

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 4857 - L2 Version 4
Chandra X-Ray Center

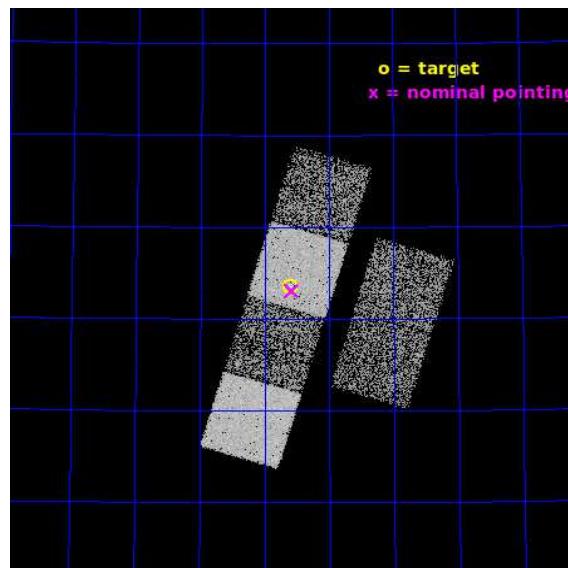
L2 Processing Date : Oct 2 2020

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1 Front

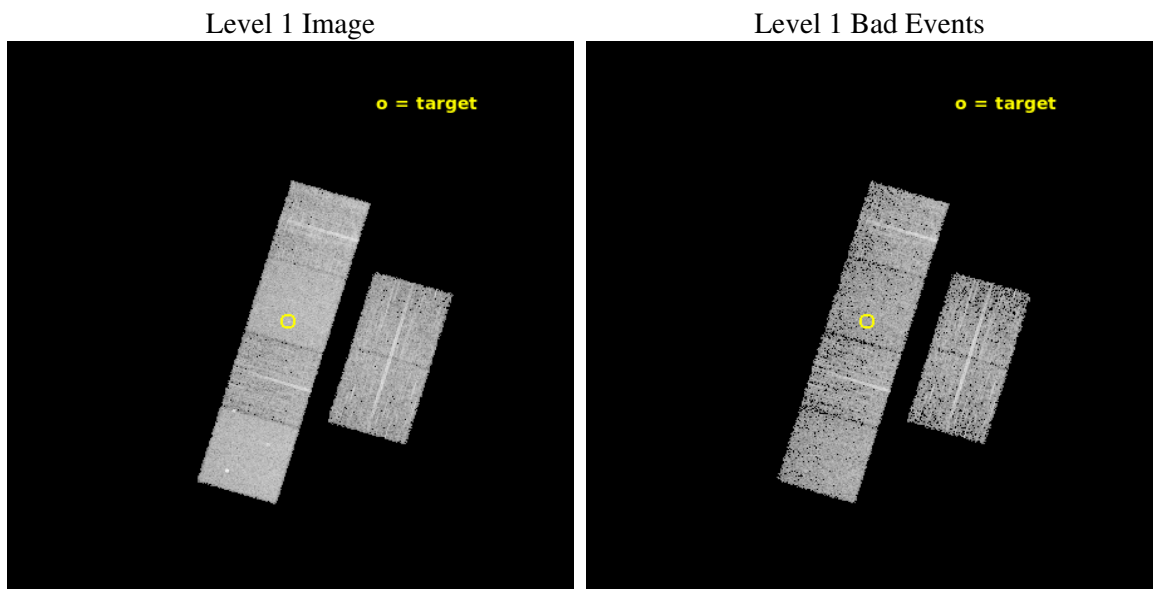
seq_num	700939	Sequence number
obs_id	4857	Observation id
title	X-ray Properties of Dust Reddened Quasars from the Sloan Digital Sky Survey	Proposal title
observer	Gordon Richards	Principal investigator
object	SDSS J171535.96+632336.0	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	258.9	Observer's specified target RA [deg]
dec_targ	63.393333	Observer's specified target Dec [deg]
ra_nom	258.89471335704	Nominal RA [deg]
dec_nom	63.384806883608	Nominal Dec [deg]
roll_nom	286.74561013292	Nominal Roll [deg]
revision	4	Processing version of data
ontime	4307.1999839544	Sum of GTIs [s]
livetime	4252.6596242731	Livetime [s]
ontime2	4307.1999839544	Sum of GTIs [s]
ontime3	4307.1999839544	Sum of GTIs [s]
ontime5	4307.1999839544	Sum of GTIs [s]
ontime6	4307.1999839544	Sum of GTIs [s]
ontime7	4307.1999839544	Sum of GTIs [s]
ontime8	4307.1999839544	Sum of GTIs [s]
l2events	52102	Number of level 2 events



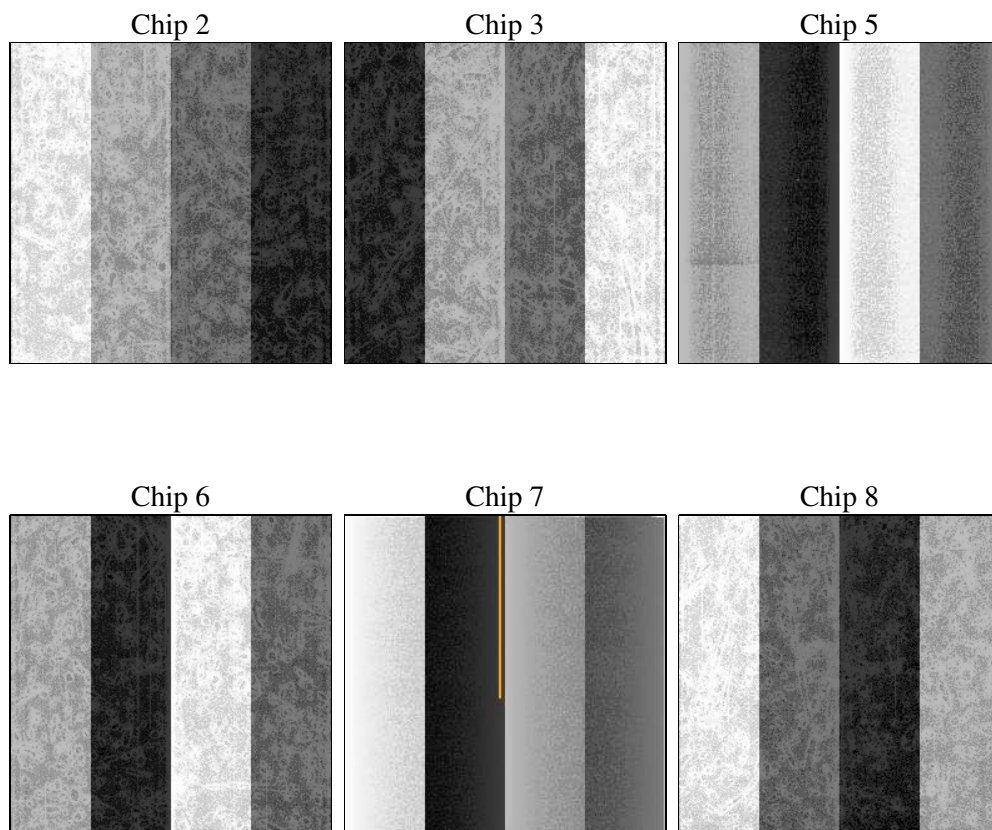
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	4350.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	4307.1999839544	Sum of GTIs [s]
caldsver	4.9.2	 	ontime2	4307.1999839544	Sum of GTIs [s]
date	2020-10-02T11:23:55	Date and time of file creation	ontime3	4307.1999839544	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	4307.1999839544	Sum of GTIs [s]
			ontime6	4307.1999839544	Sum of GTIs [s]
			ontime7	4307.1999839544	Sum of GTIs [s]
			ontime8	4307.1999839544	Sum of GTIs [s]
			l1events	231930	Number of level 1 events

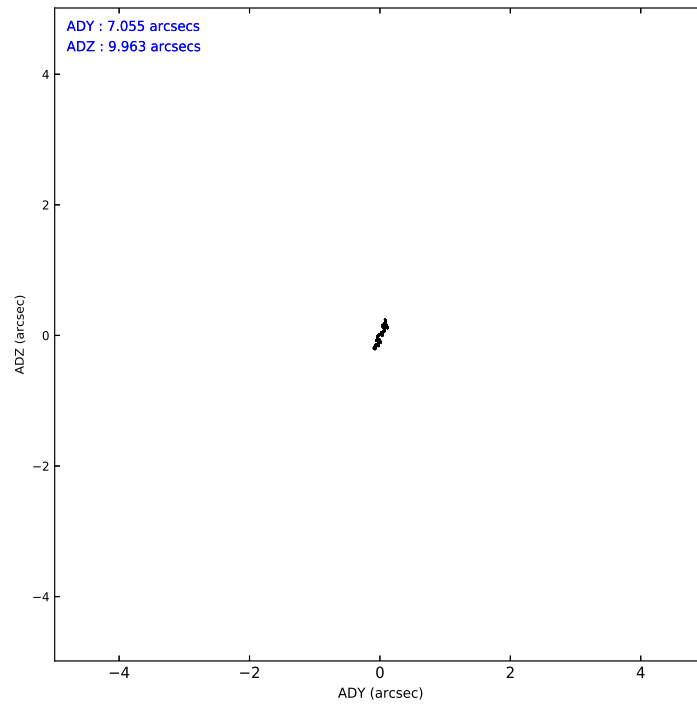
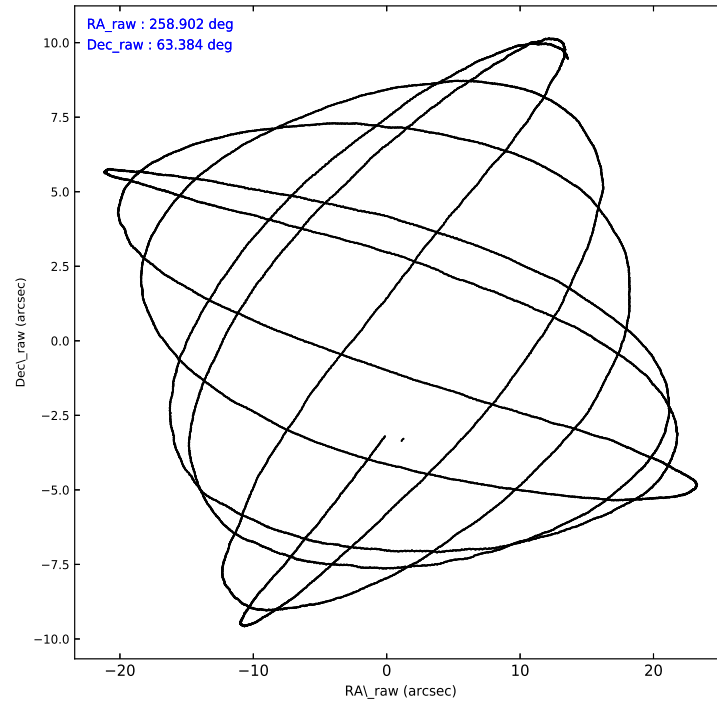
2.1.4 Events

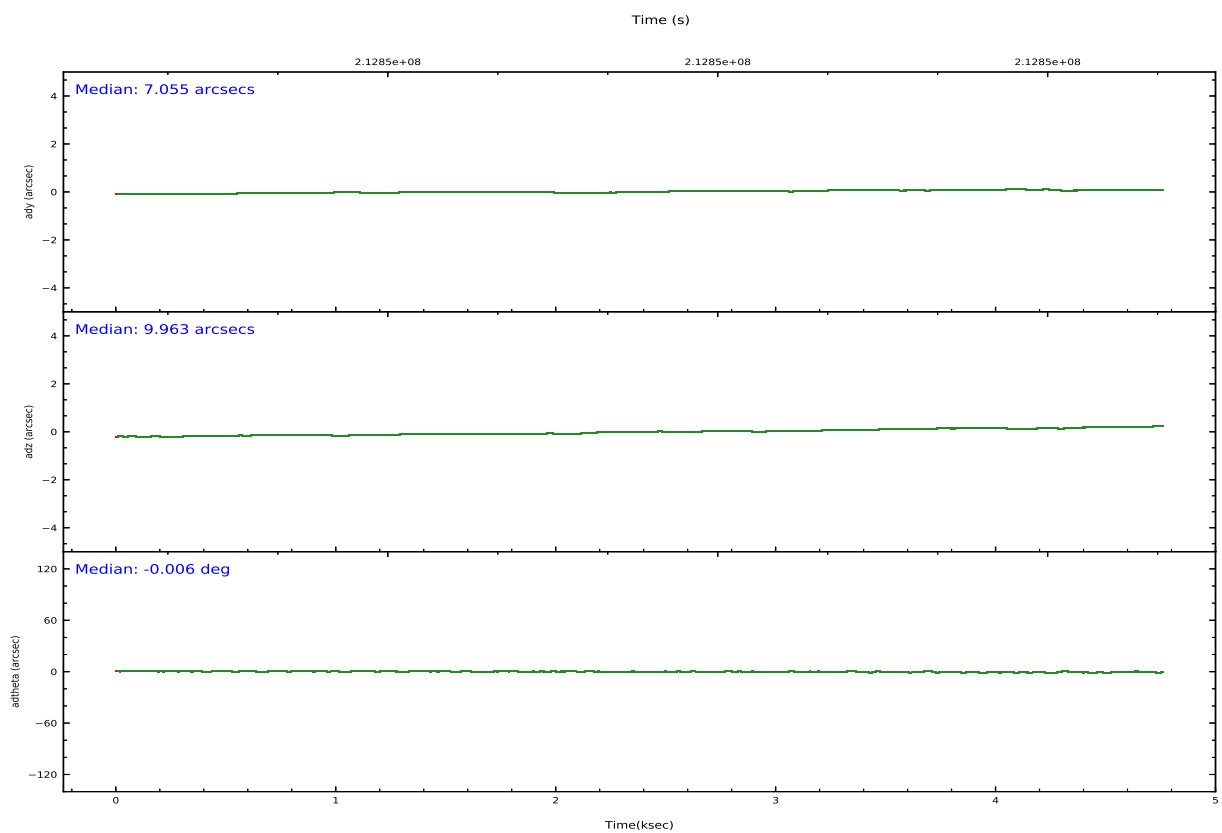
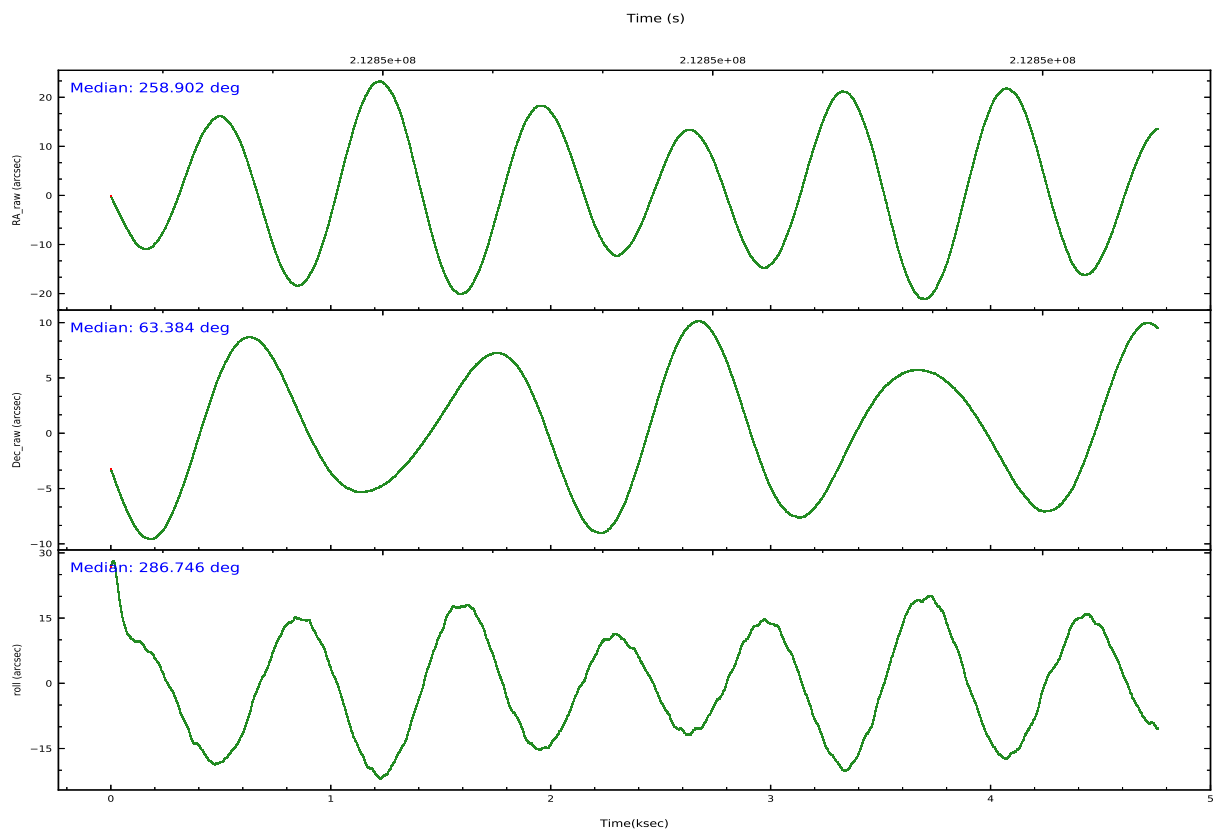
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	32782	31395	49031	32980	44325	41417	grade 0 events	1665	1671	2094	1521	1621	2843
rejected events	29047	27598	26805	29134	25964	32515		5%	5%	4%	4%	3%	6%
rejected %	88%	87%	54%	88%	58%	78%	grade 1 events	28	15	123	12	45	20
								0%	0%	0%	0%	0%	0%
							grade 2 events	753	738	6601	754	3680	1970
								2%	2%	13%	2%	8%	4%
							grade 3 events	354	389	841	379	1623	888
								1%	1%	1%	1%	3%	2%
							grade 4 events	345	357	788	389	1637	837
								1%	1%	1%	1%	3%	2%
							grade 5 events	1286	1478	3606	1587	4174	1909
								3%	4%	7%	4%	9%	4%
							grade 6 events	622	649	11928	811	9826	2381
								1%	2%	24%	2%	22%	5%
							grade 7 events	27729	26098	23050	27527	21719	30569
								84%	83%	47%	83%	48%	73%

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	258.857654	258.89471335704	Subarray requested	NONE	NONE
[deg] Pointing Dec	63.402110	63.384806883608	Alternating exposures requested	N	N
[deg] Pointing Roll	286.634005	286.74561013292	[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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	212850174.184000	212849103.02461			
Observation start date	2004-09-29T13:01:50	2004-09-29T12:45:03			
[s] Observation end time (MET)	212854524.184000	212855011.63738			
Observation end date	2004-09-29T14:14:20	2004-09-29T14:23:31			
Read mode	TIMED	TIMED			

2.3 Aspect



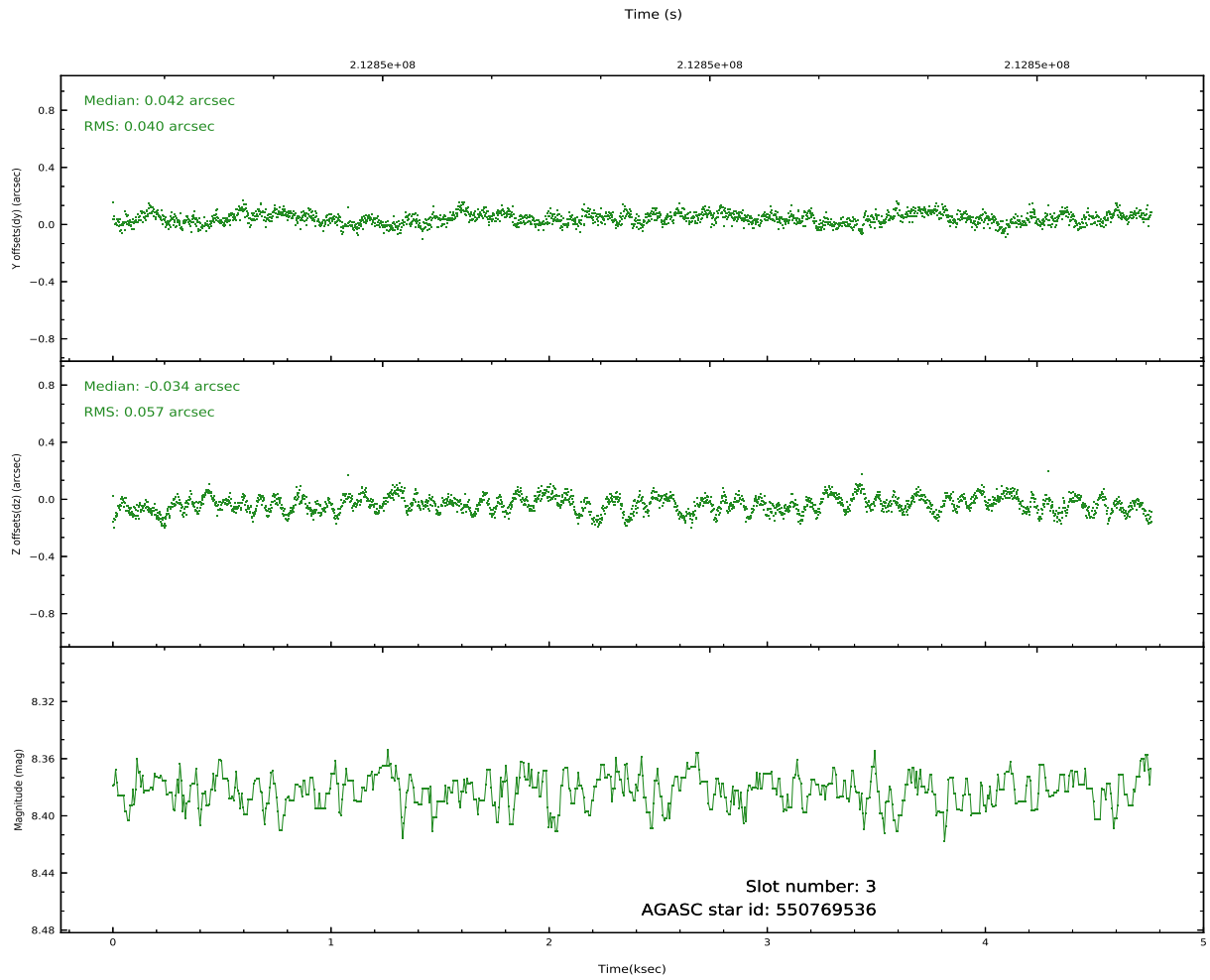
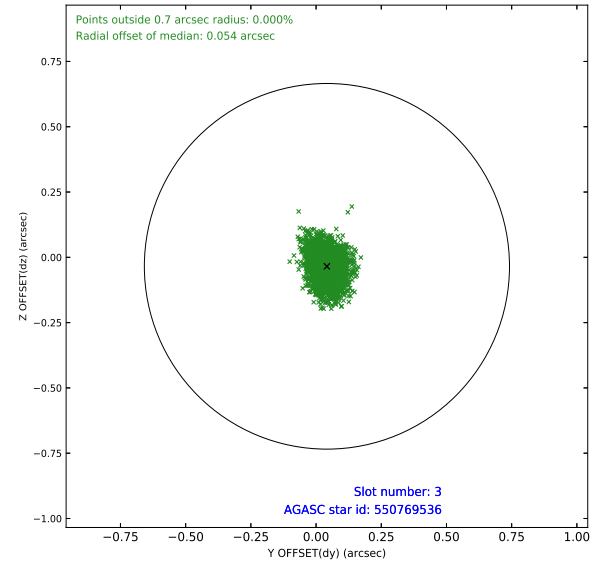
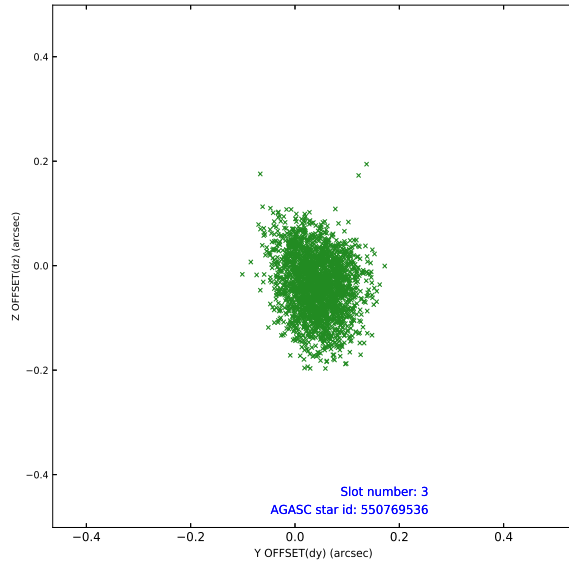


Slot Statistics

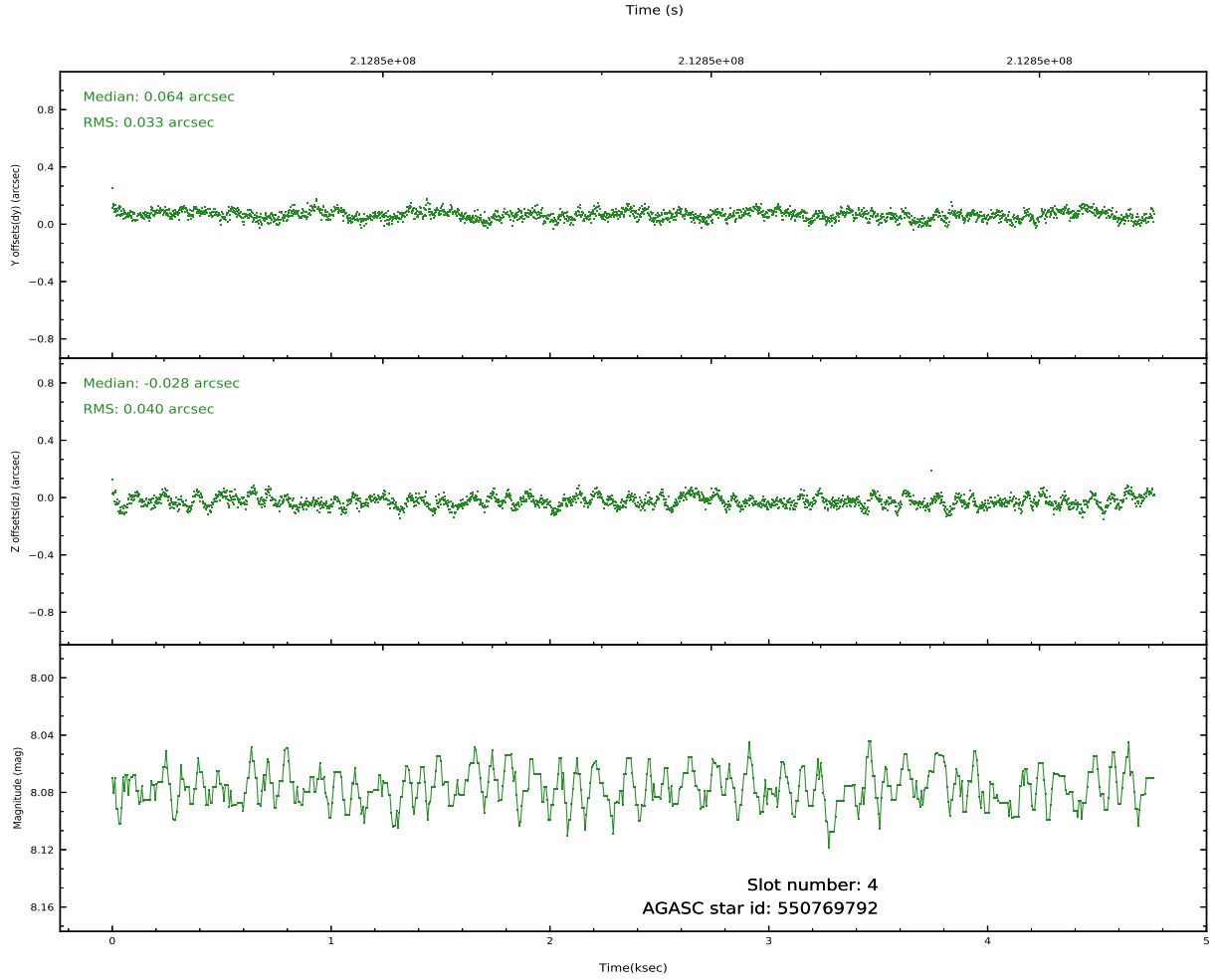
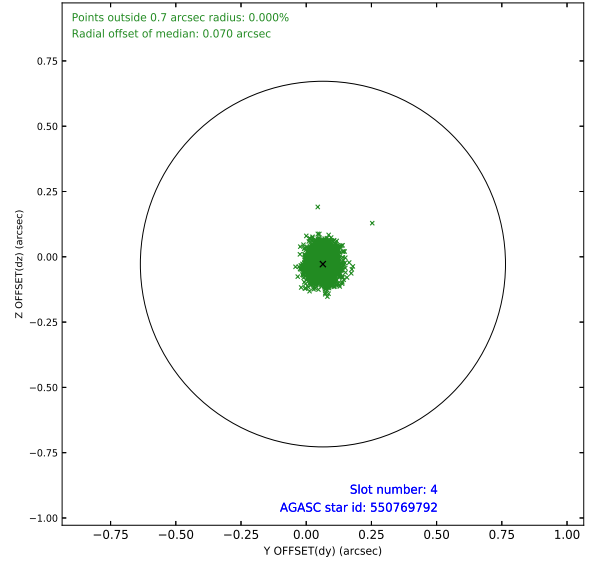
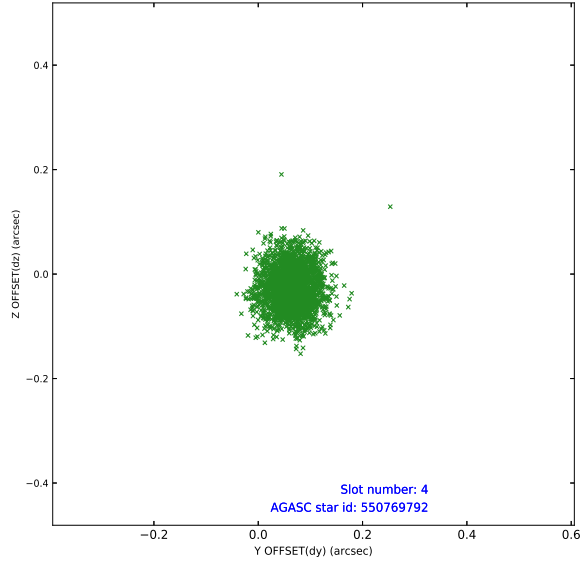
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-1	7.18	1162	1.000	0.001	-0.058	0.008	0.014	0.000000	0.000000	936.25	-1726
1	FID		ACIS-S-4	7.20	1162	1.000	0.114	0.044	0.008	0.012	0.000000	0.000000	2154.44	176
2	FID		ACIS-S-5	7.23	1162	1.000	-0.141	0.026	0.006	0.010	0.000000	0.000000	-1811.15	171
3	GUIDE	used	550769536	8.38	2324	1.000	0.042	-0.034	0.075	0.120	257.982354	63.126720	533.37	-1644
4	GUIDE	used	550769792	8.08	2323	1.000	0.064	-0.028	0.055	0.088	258.096675	63.352089	-186.20	-1226
5	GUIDE	used	550769896	8.63	2324	1.000	-0.055	0.004	0.063	0.103	257.787710	63.467361	-730.97	-1577
6	GUIDE	used	551288960	7.61	2323	1.000	-0.037	0.044	0.059	0.100	259.407558	64.033161	-1932.91	1481
7	GUIDE	used	551298432	8.47	2321	1.000	-0.012	0.015	0.061	0.095	259.325450	64.084337	-2146.09	1410

2.4 Star Slots

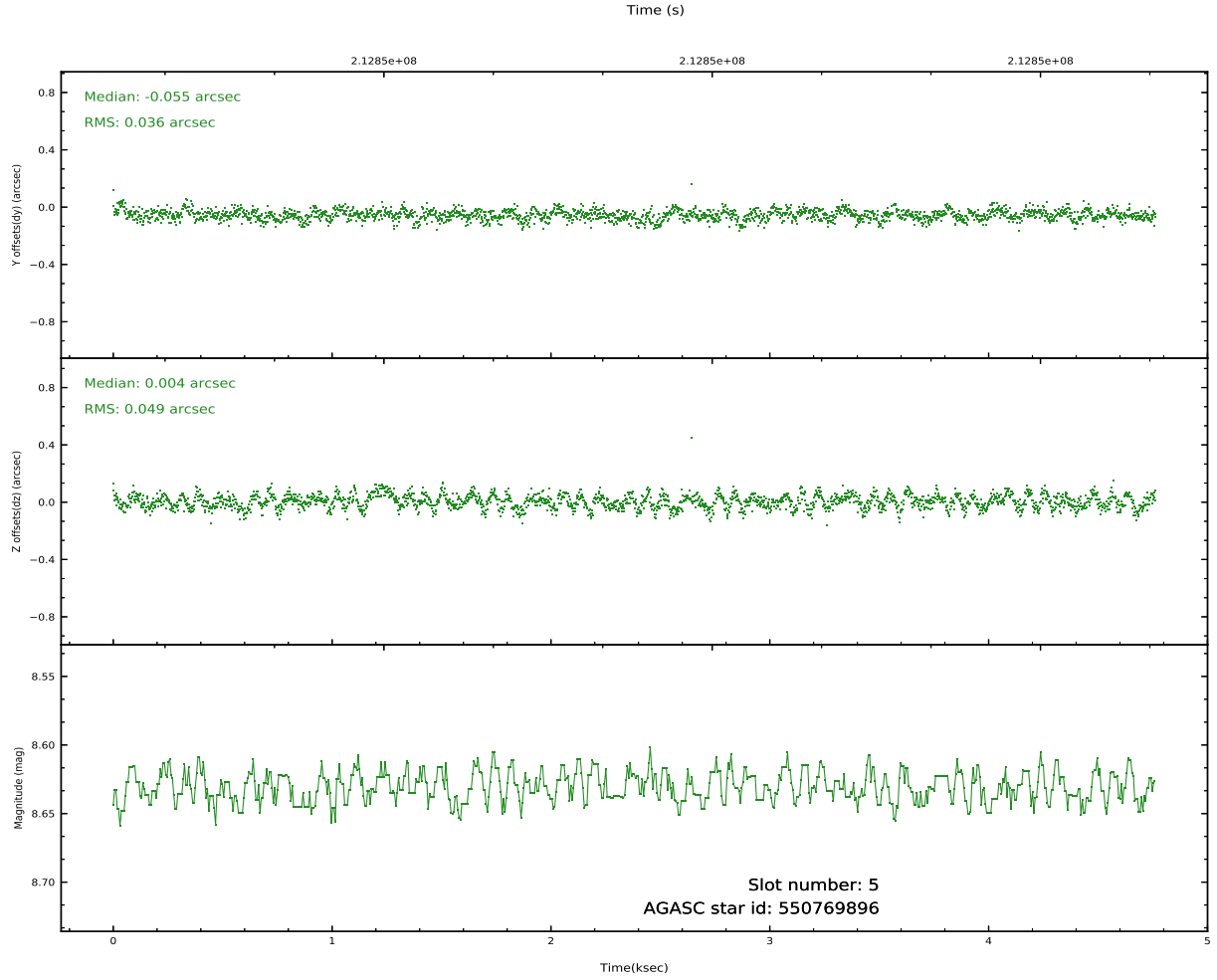
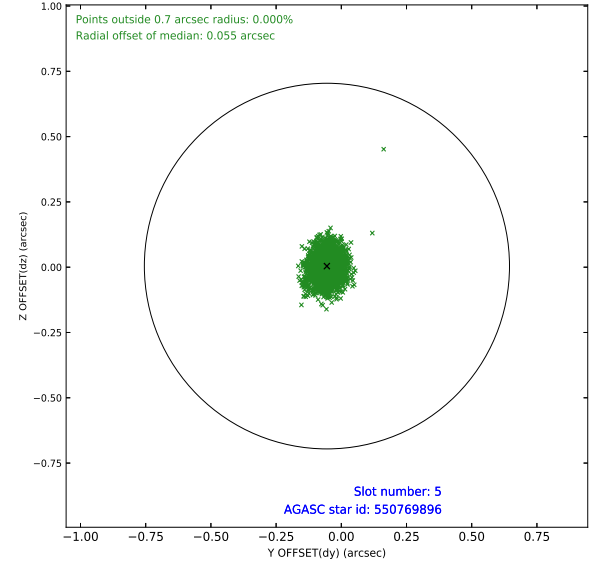
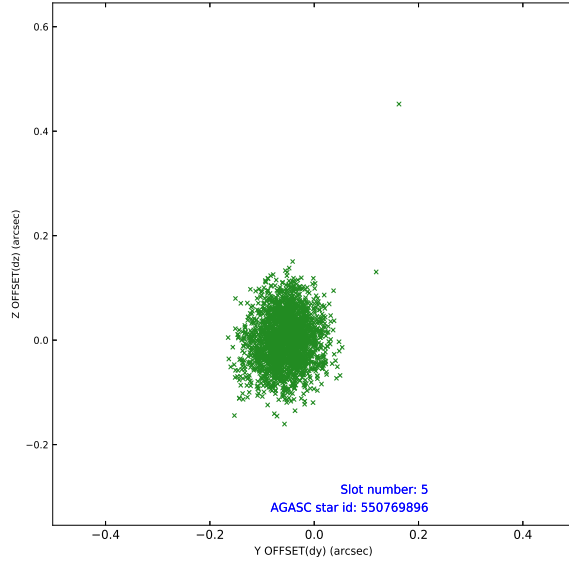
2.4.1 Slot 3



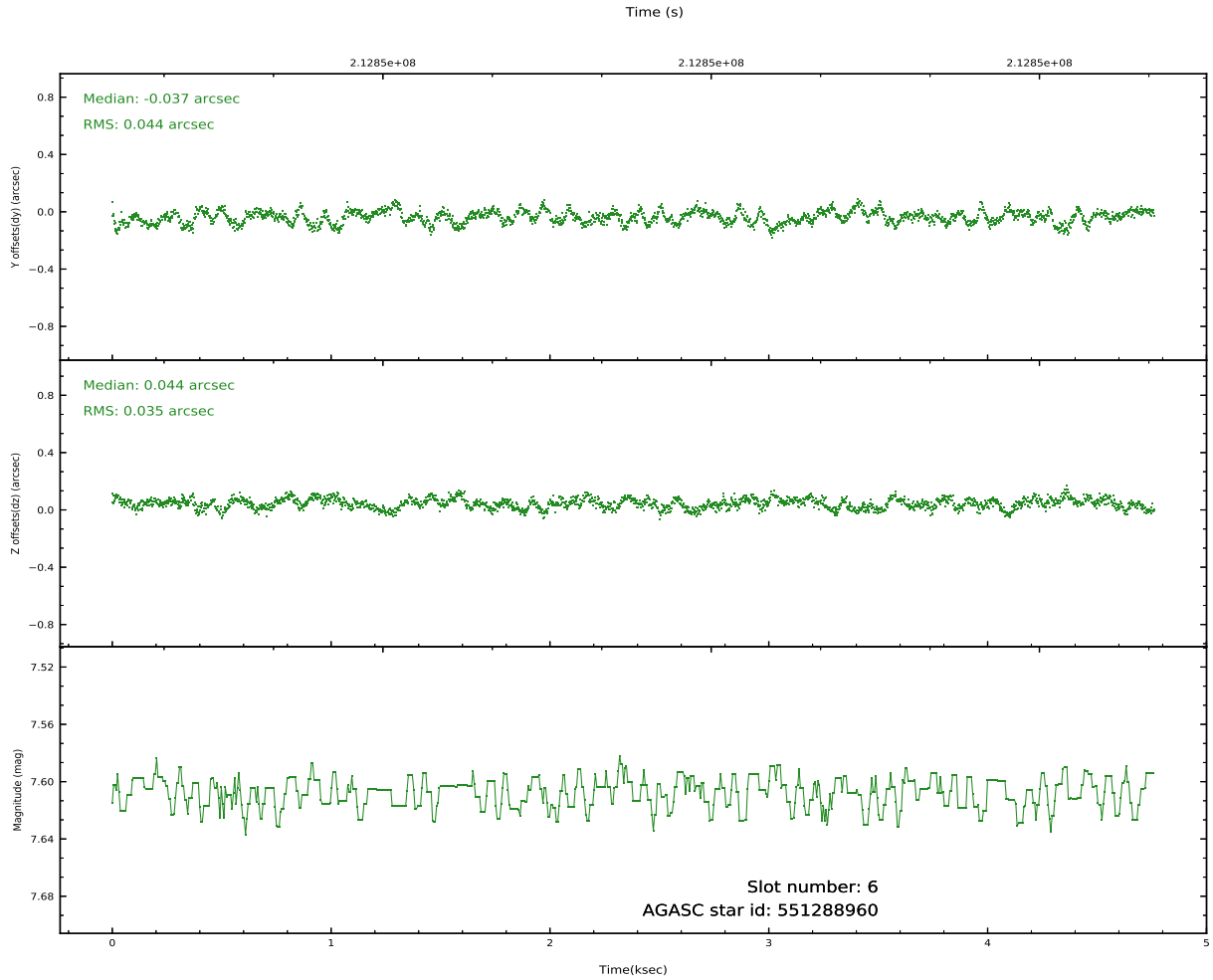
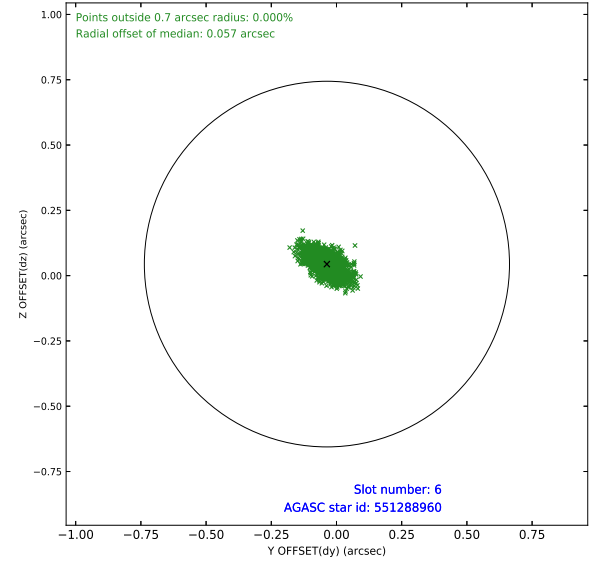
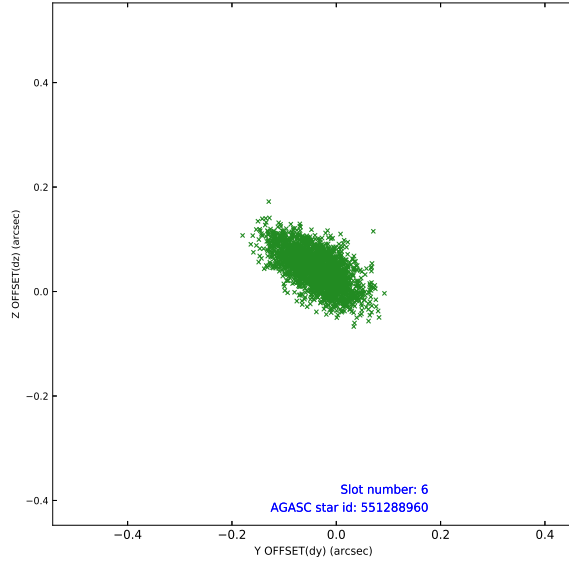
2.4.2 Slot 4



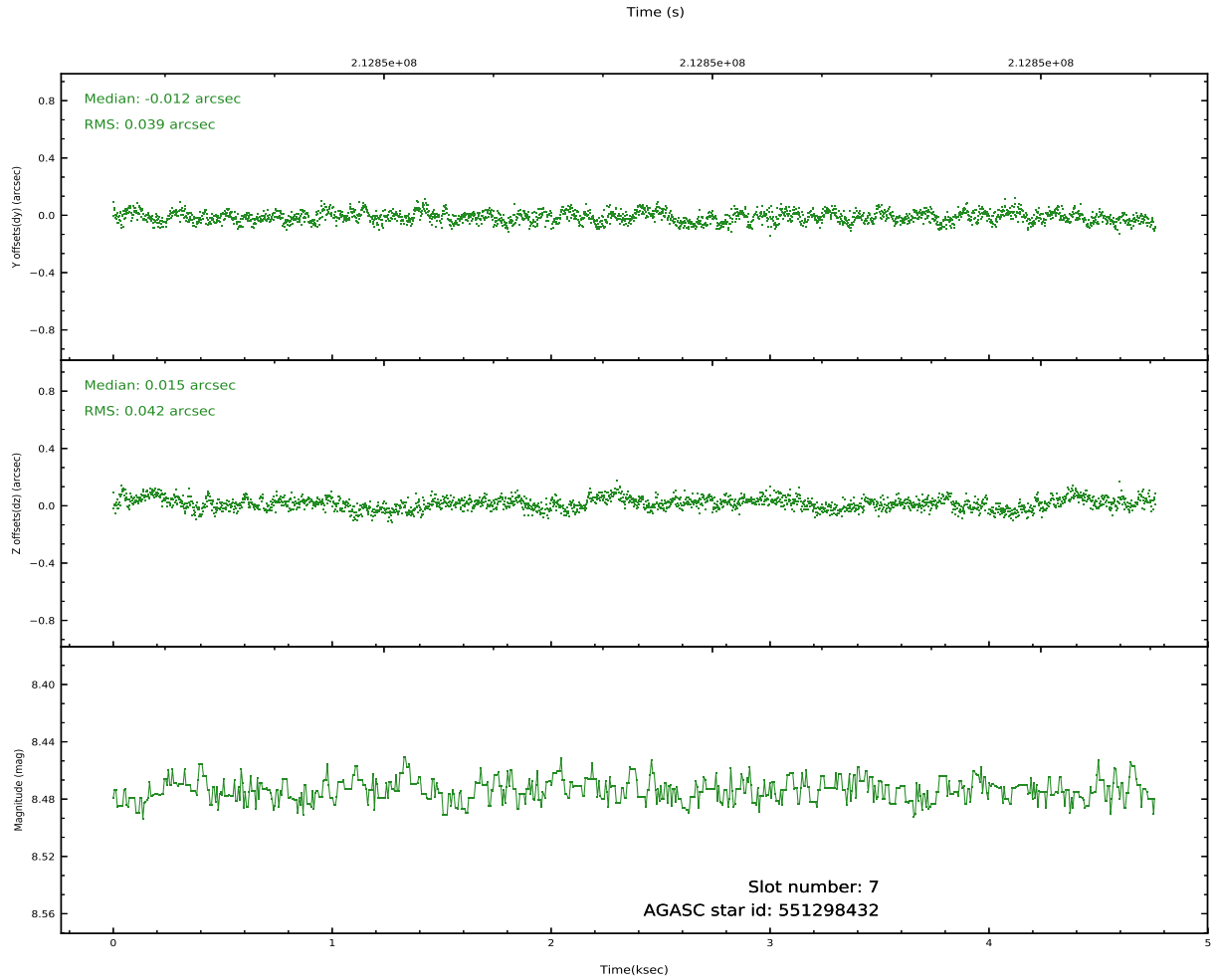
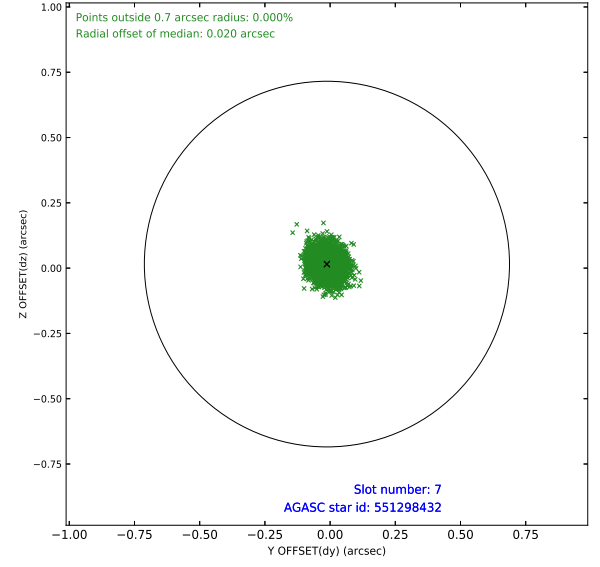
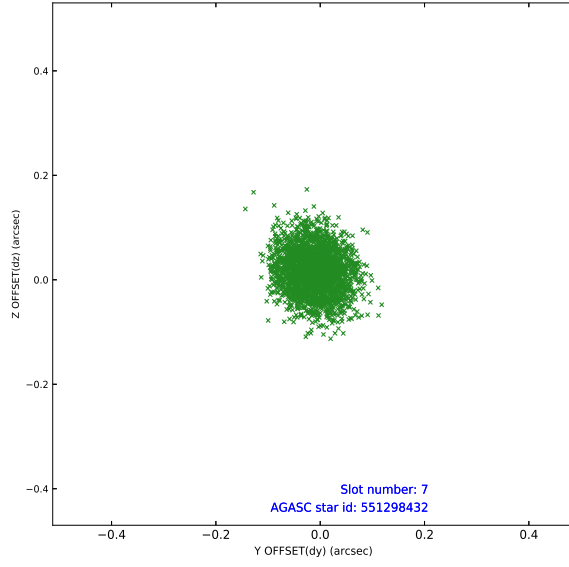
2.4.3 Slot 5



2.4.4 Slot 6

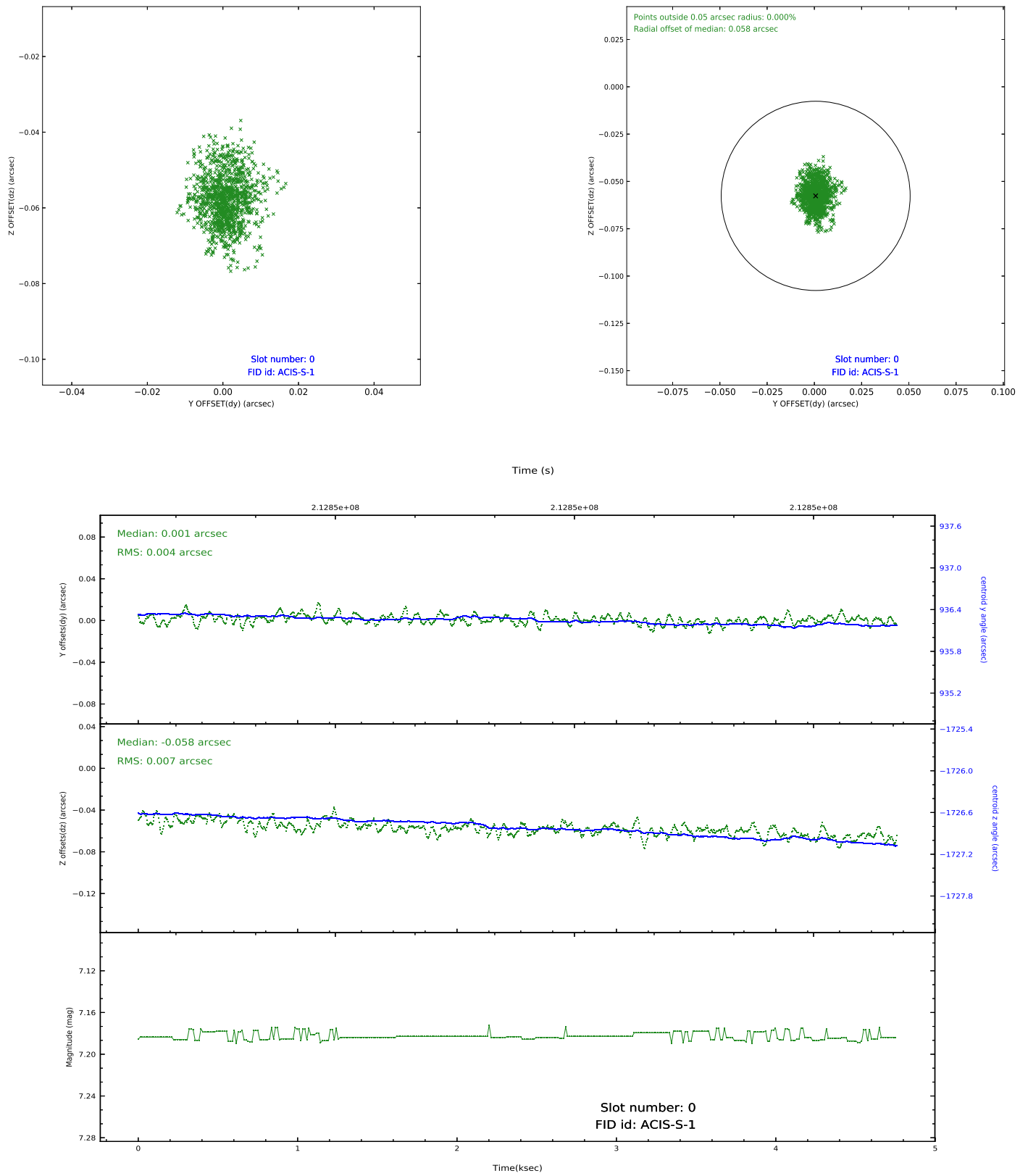


2.4.5 Slot 7

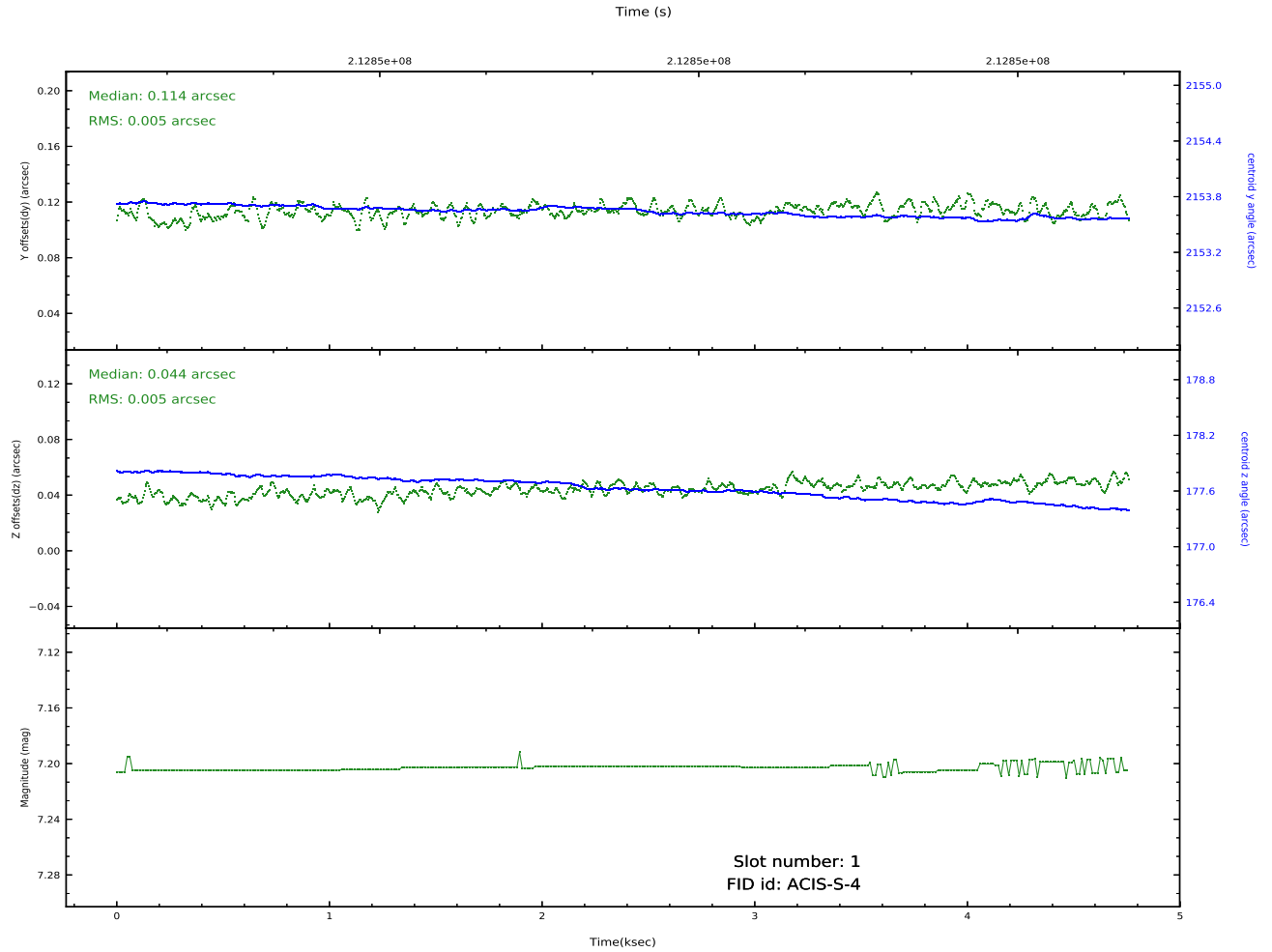
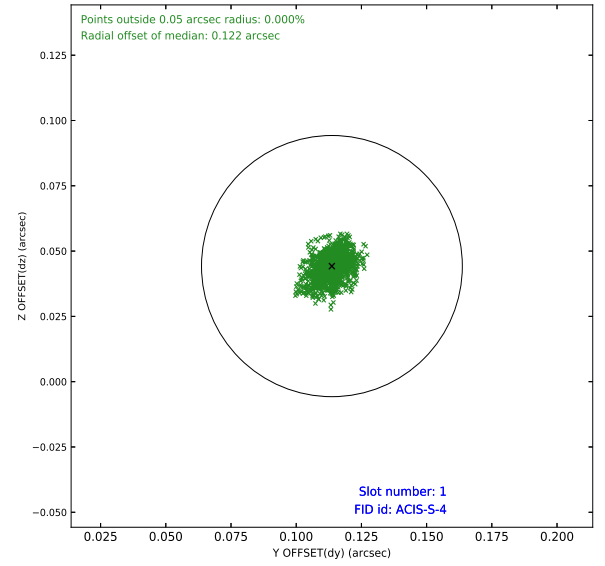
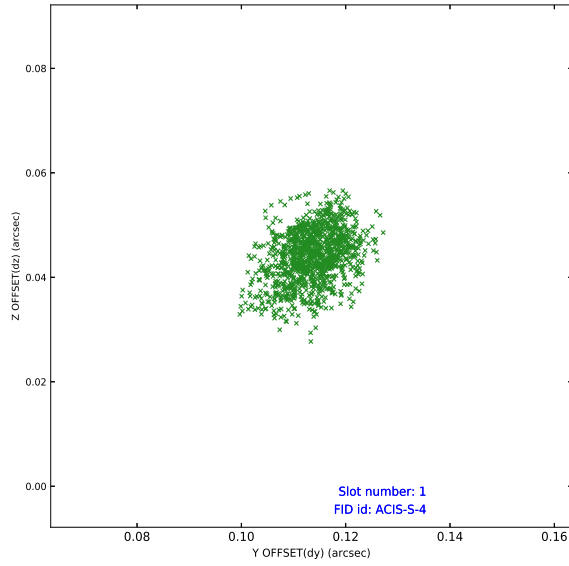


2.5 FID Slots

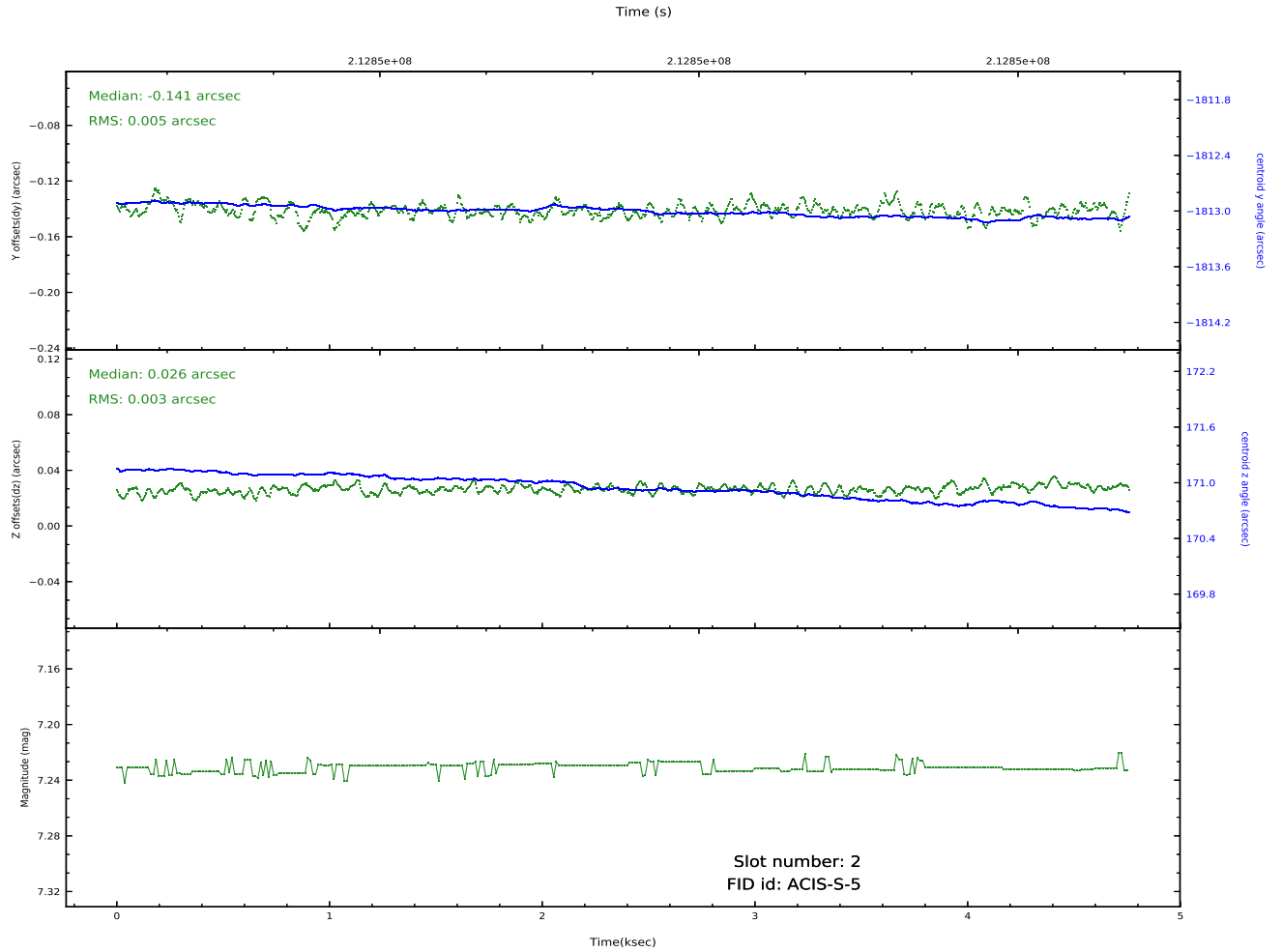
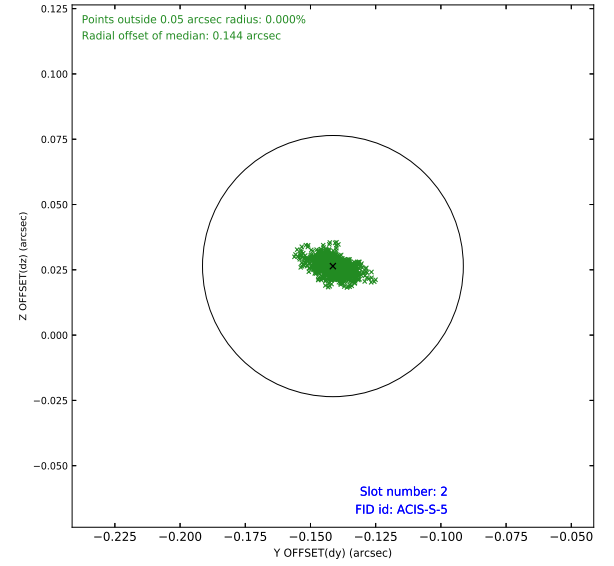
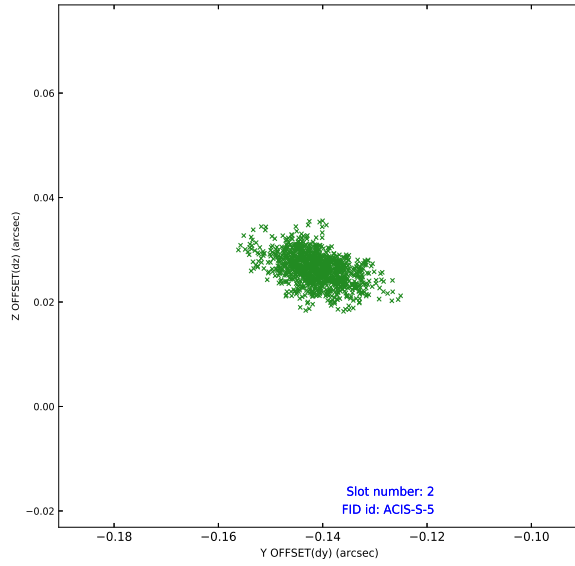
2.5.1 Slot 0



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)	2020.10.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.307

A.2 Comments