

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 7131 - L2 Version 3
Chandra X-Ray Center

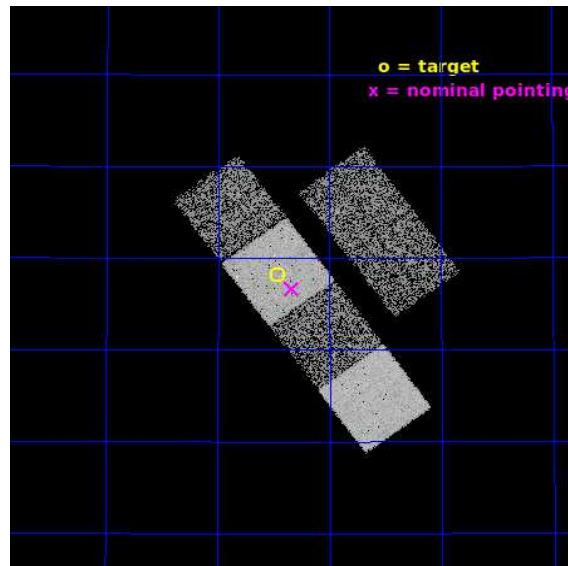
L2 Processing Date : Oct 11 2020

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1 Front

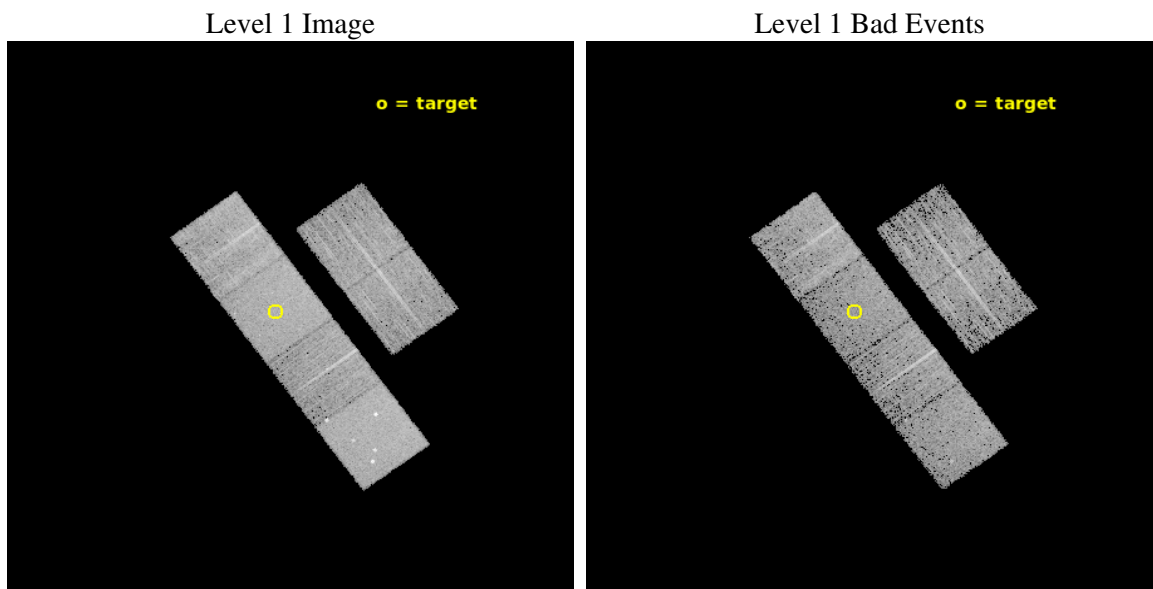
seq_num	600569	Sequence number
obs_id	7131	Observation id
title	A Complete Sample of ULX Host Galaxies	Proposal title
observer	Douglas Swartz	Principal investigator
object	IC 0239	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	39.11625	Observer's specified target RA [deg]
dec_targ	38.97	Observer's specified target Dec [deg]
ra_nom	39.084202330697	Nominal RA [deg]
dec_nom	38.944532541823	Nominal Dec [deg]
roll_nom	233.7431331202	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4591.9999828935	Sum of GTIs [s]
livetime	4533.8533141396	Livetime [s]
ontime2	4591.9999828935	Sum of GTIs [s]
ontime3	4591.9999828935	Sum of GTIs [s]
ontime5	4591.9999828935	Sum of GTIs [s]
ontime6	4591.9999828935	Sum of GTIs [s]
ontime7	4591.9999828935	Sum of GTIs [s]
ontime8	4588.7590225041	Sum of GTIs [s]
l2events	60289	Number of level 2 events



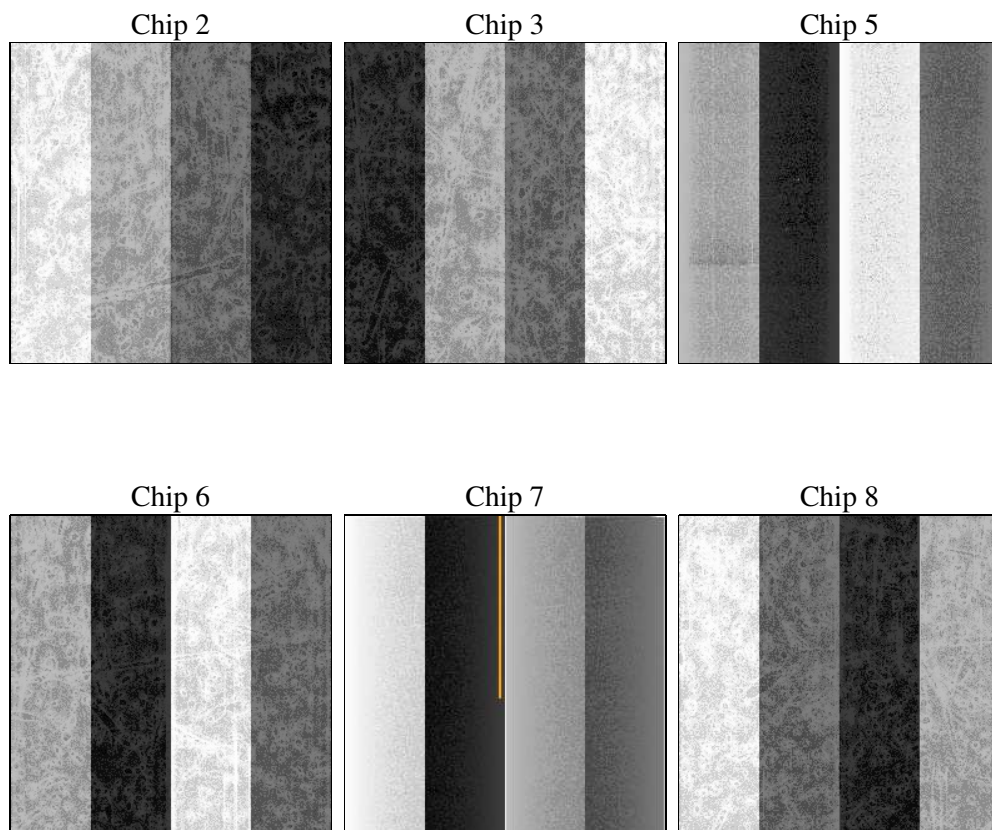
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4840.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	4591.9999828935	Sum of GTIs [s]
caldsver	4.9.2	 	ontime2	4591.9999828935	Sum of GTIs [s]
date	2020-10-11T16:29:02	Date and time of file creation	ontime3	4591.9999828935	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	4591.9999828935	Sum of GTIs [s]
			ontime6	4591.9999828935	Sum of GTIs [s]
			ontime7	4591.9999828935	Sum of GTIs [s]
			ontime8	4588.7590225041	Sum of GTIs [s]
			l1events	269740	Number of level 1 events

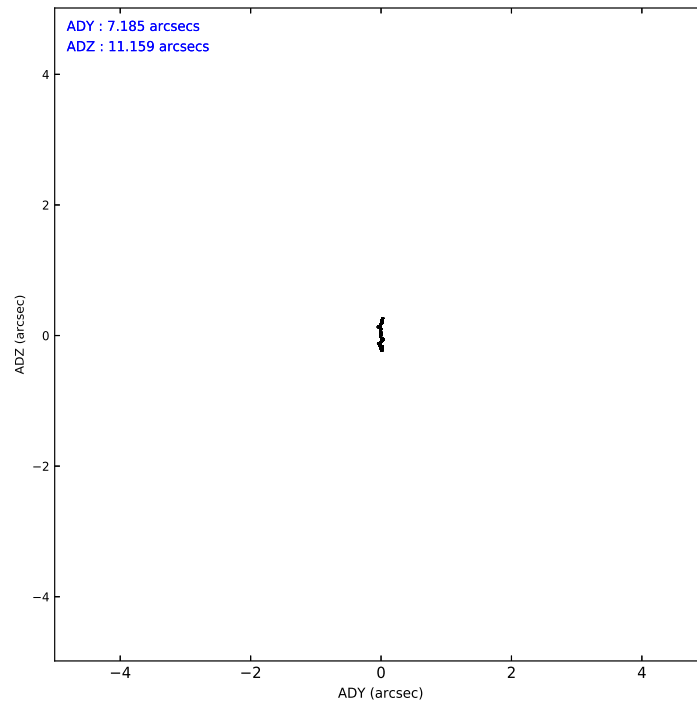
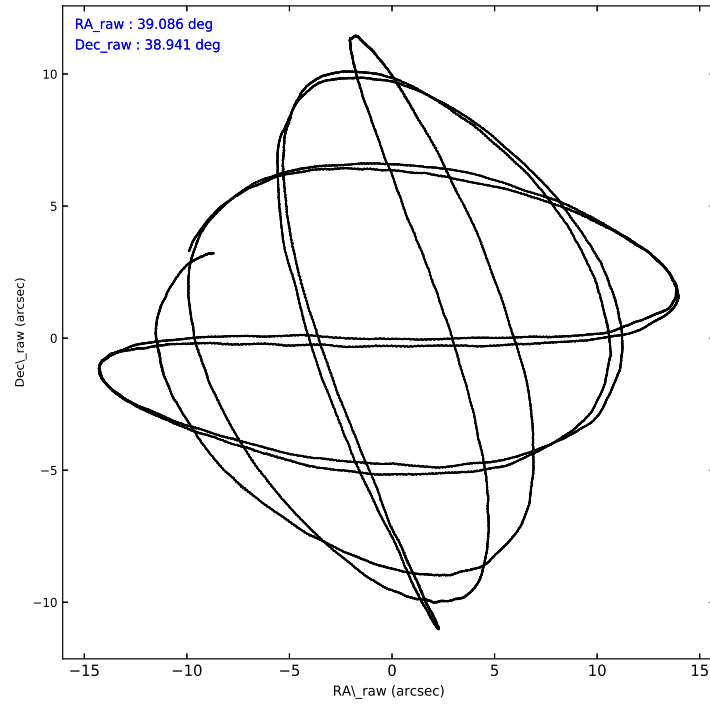
2.1.4 Events

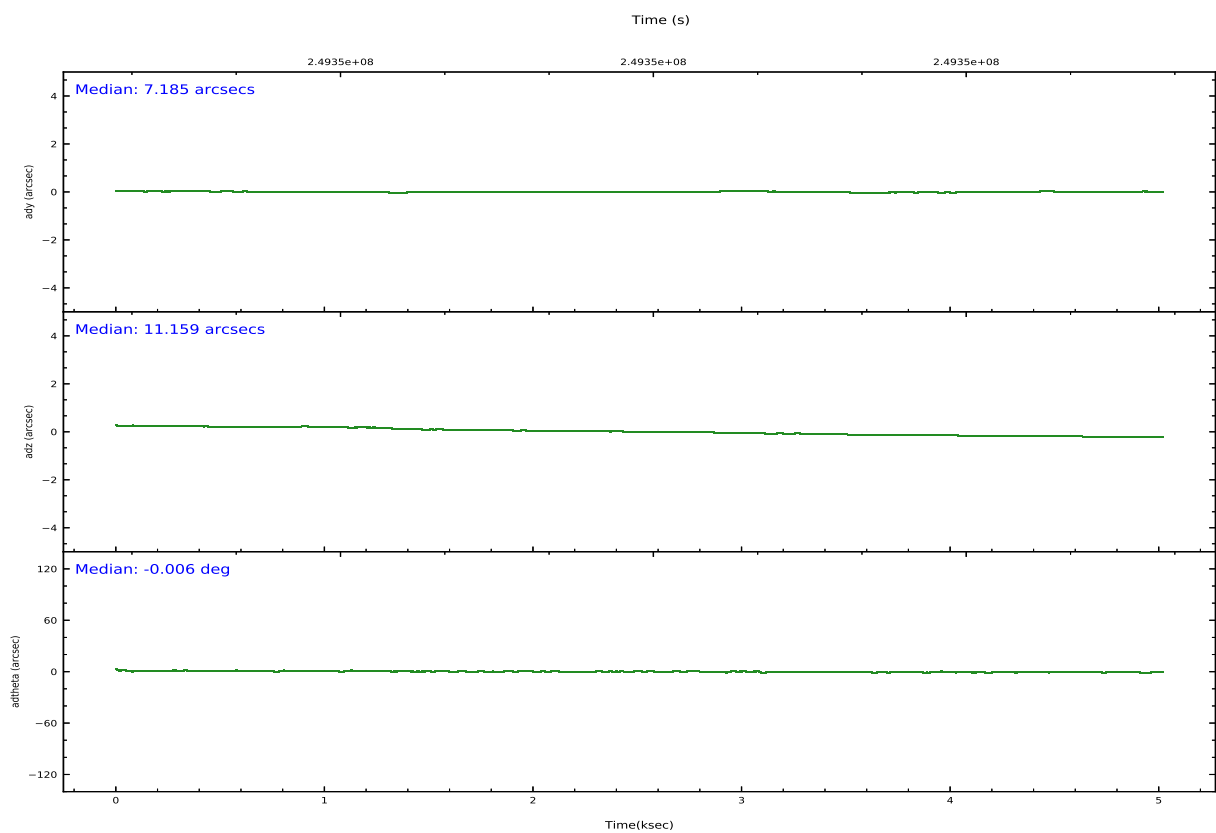
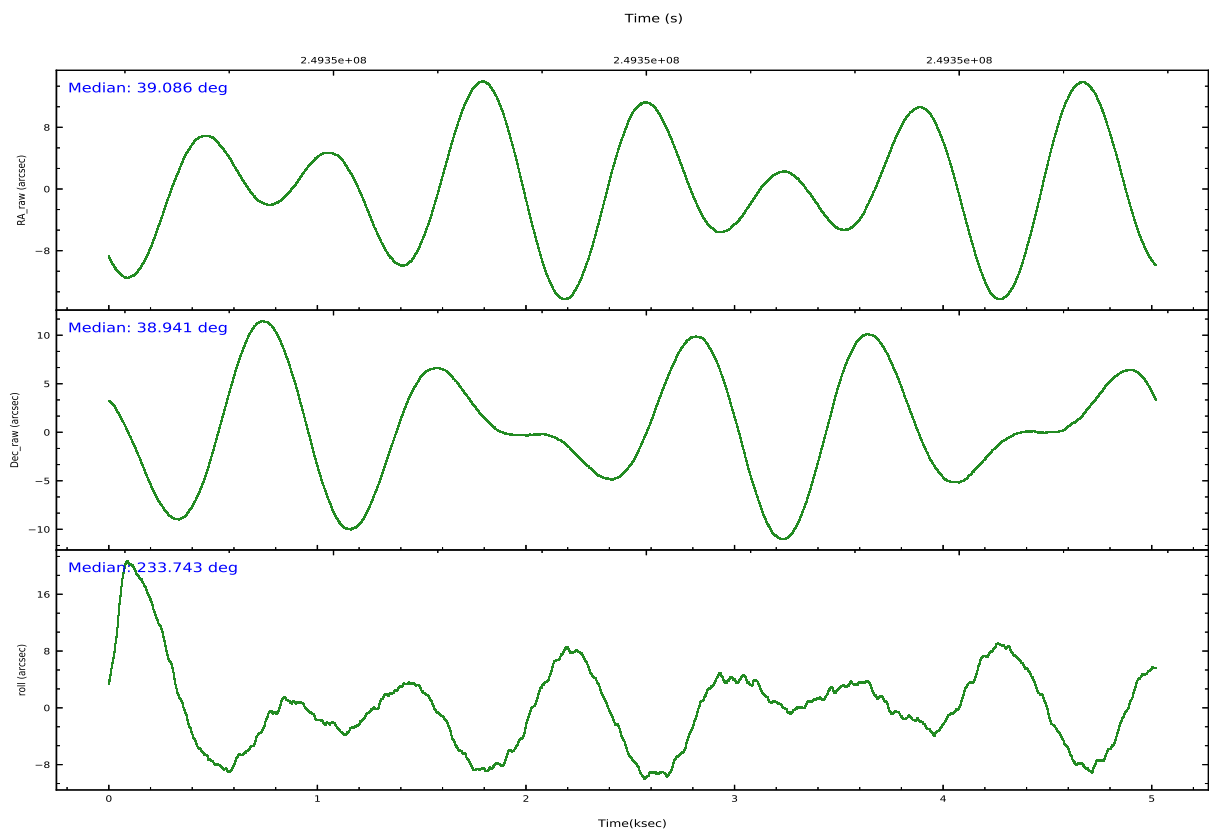
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	37209	36562	58367	37415	50330	49857	grade 0 events	2004	2002	3484	1871	1926	3174
rejected events	32761	32180	30884	32875	29282	40223		5%	5%	5%	5%	3%	6%
rejected %	88%	88%	52%	87%	58%	80%	grade 1 events	21	19	122	22	46	37
								0%	0%	0%	0%	0%	0%
							grade 2 events	911	851	8222	960	4276	2091
								2%	2%	14%	2%	8%	4%
							grade 3 events	455	400	999	427	1809	954
								1%	1%	1%	1%	3%	1%
							grade 4 events	418	393	985	422	1838	931
								1%	1%	1%	1%	3%	1%
							grade 5 events	1455	1689	4322	1741	4850	2215
								3%	4%	7%	4%	9%	4%
							grade 6 events	669	741	13839	865	11229	2491
								1%	2%	23%	2%	22%	4%
							grade 7 events	31276	30467	26394	31107	24356	37964
								84%	83%	45%	83%	48%	76%

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	39.089348	39.084202330697	Subarray requested	NONE	NONE
[deg] Pointing Dec	38.968043	38.944532541823	Alternating exposures requested	N	N
[deg] Pointing Roll	233.585400	233.7431331202	[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)	249345104.184000	249344428.02178			
Observation start date	2005-11-25T22:30:40	2005-11-25T22:20:28			
[s] Observation end time (MET)	249349944.184000	249350973.15958			
Observation end date	2005-11-25T23:51:20	2005-11-26T00:09:33			
Read mode	TIMED	TIMED			

2.3 Aspect



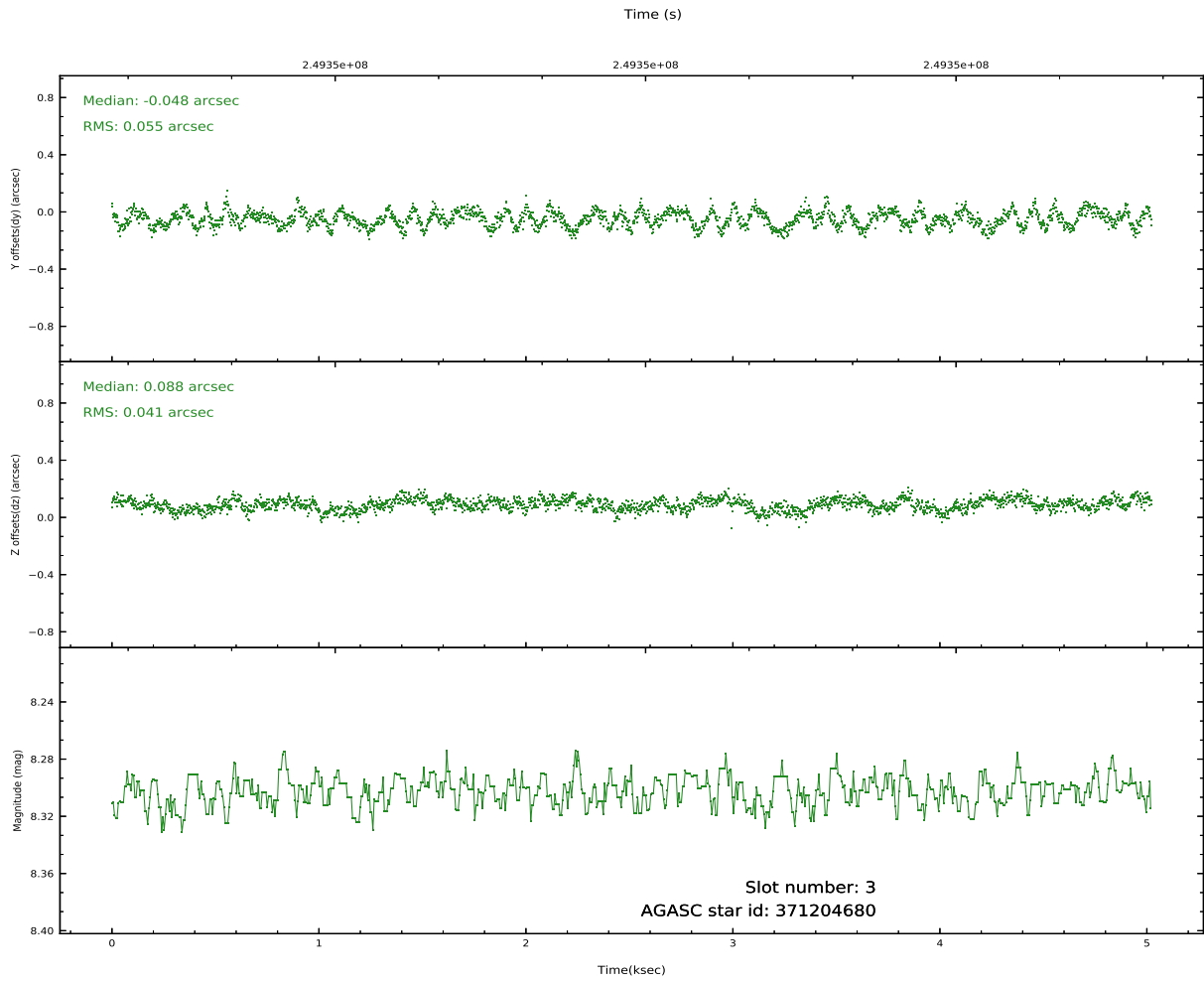
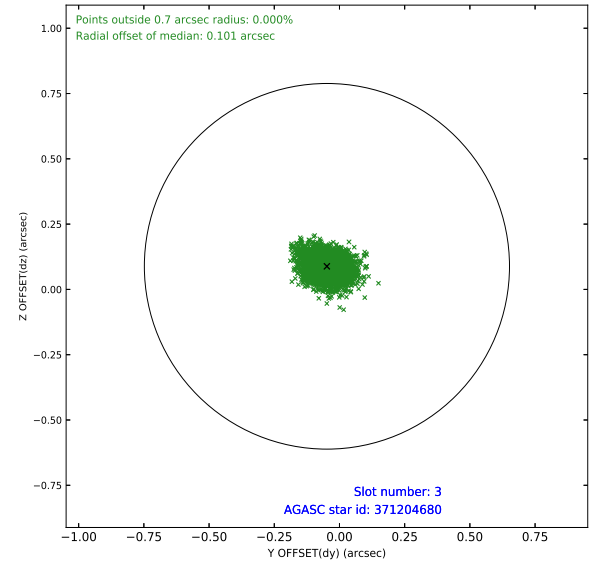
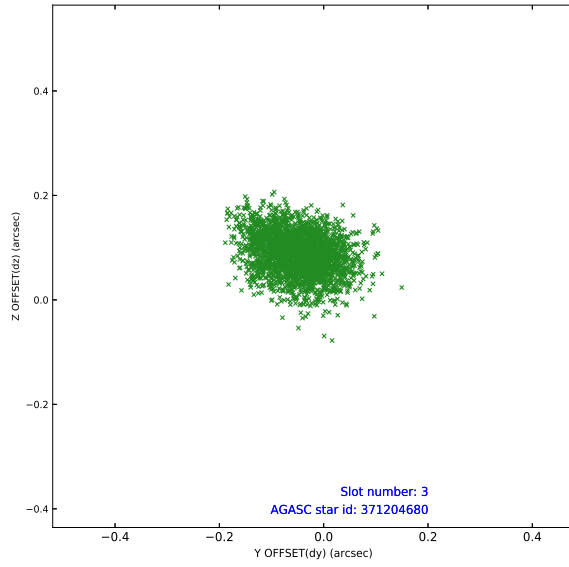


Slot Statistics

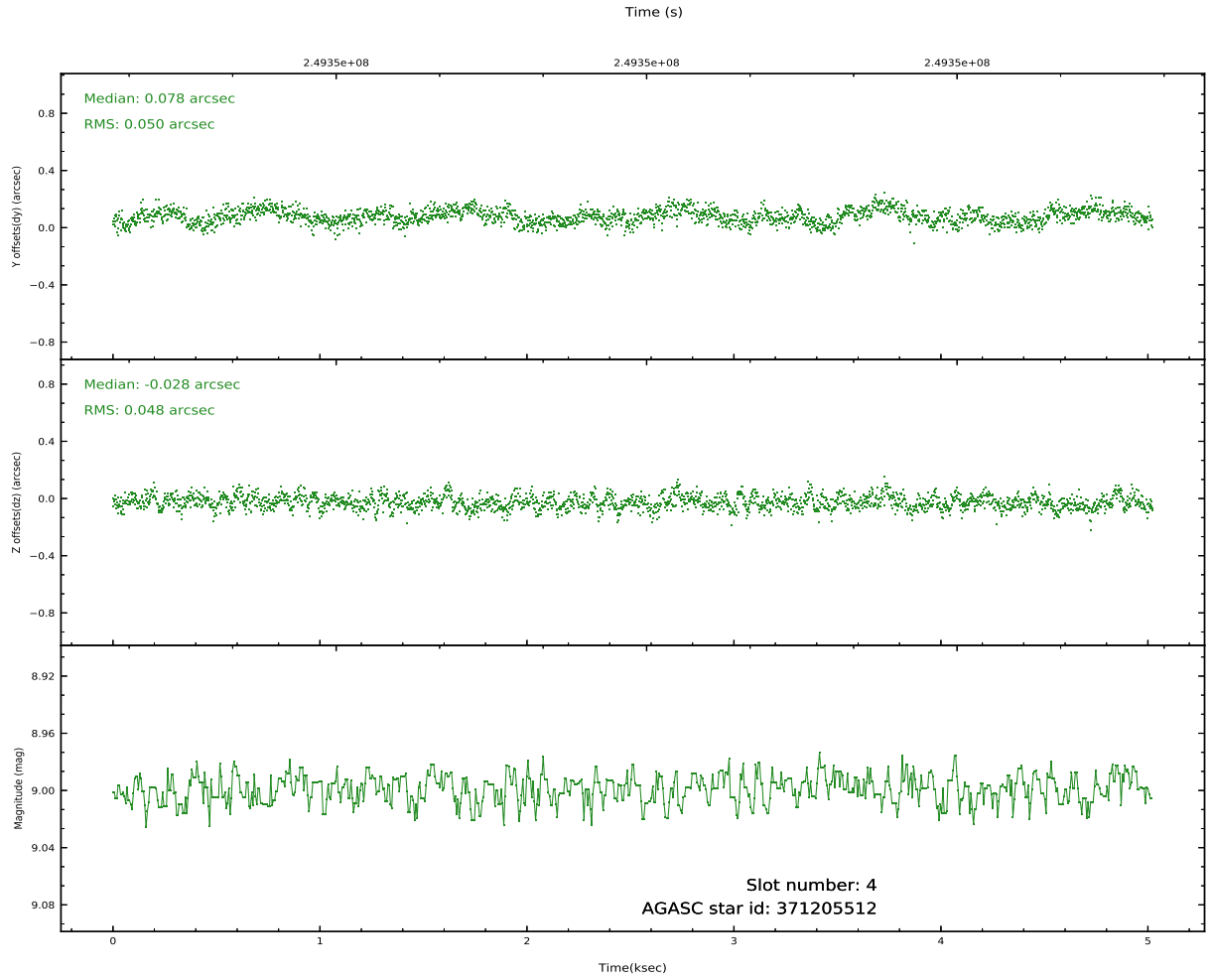
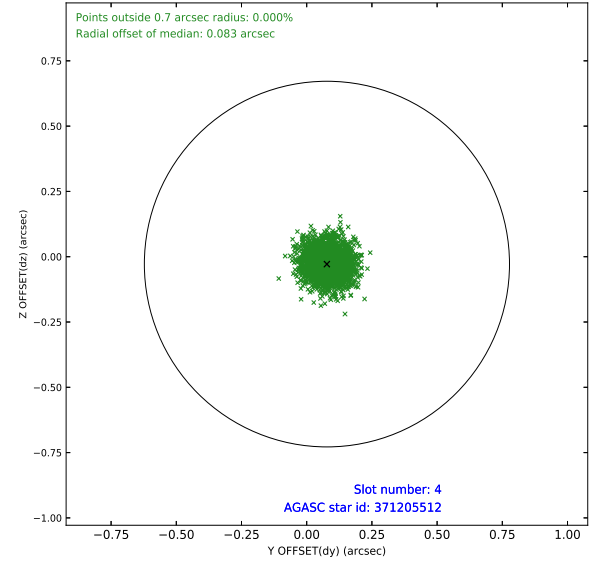
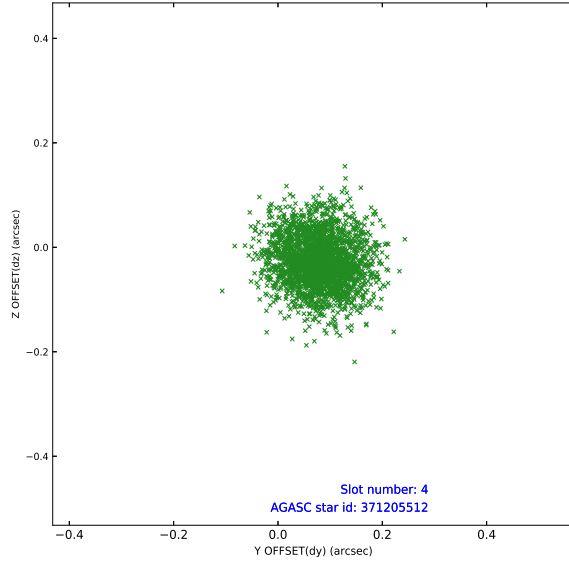
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	1225	1.000	-0.076	-0.059	0.009	0.014	0.000000	0.000000	-759.96	-1732
1	FID		ACIS-S-4	7.21	1225	1.000	0.156	0.053	0.007	0.012	0.000000	0.000000	2152.94	174
2	FID		ACIS-S-5	7.23	1226	1.000	-0.111	0.015	0.007	0.013	0.000000	0.000000	-1811.34	169
3	GUIDE	used	371204680	8.30	2450	1.000	-0.048	0.088	0.074	0.116	39.715200	39.150194	-1569.76	1013
4	GUIDE	used	371205512	9.00	2451	1.000	0.078	-0.028	0.074	0.119	38.822292	39.172532	-150.98	-1036
5	GUIDE	used	371206192	9.30	2450	1.000	0.048	-0.014	0.099	0.160	39.265479	38.799854	193.56	756
6	GUIDE	used	372905712	9.14	2448	1.000	0.001	0.035	0.100	0.160	40.054227	39.014398	-1748.00	2065
7	GUIDE	used	371215520	8.20	2450	1.000	-0.077	-0.088	0.073	0.114	39.565116	38.388424	878.49	2318

2.4 Star Slots

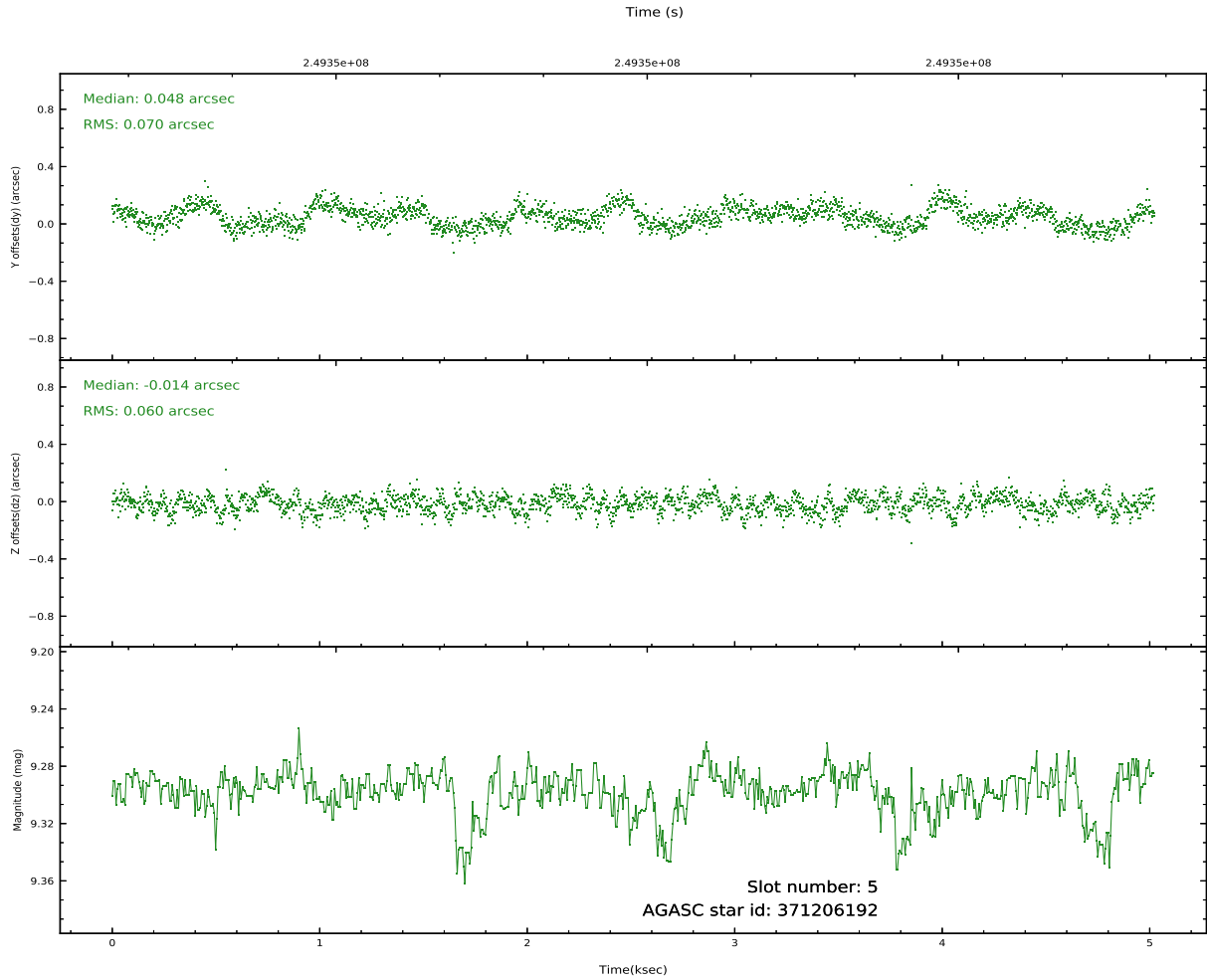
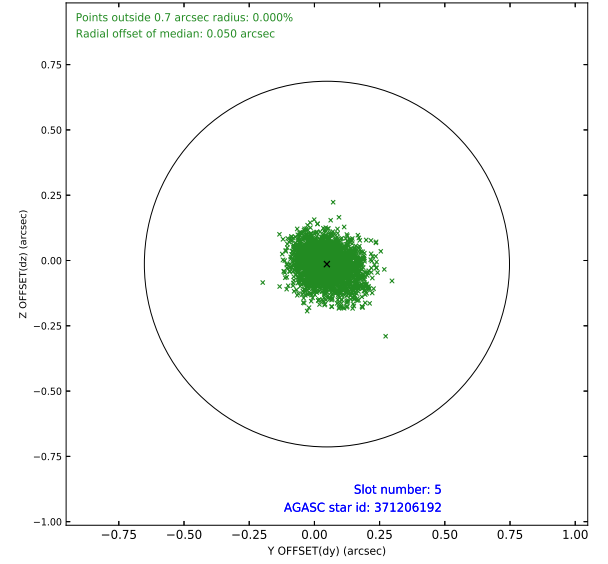
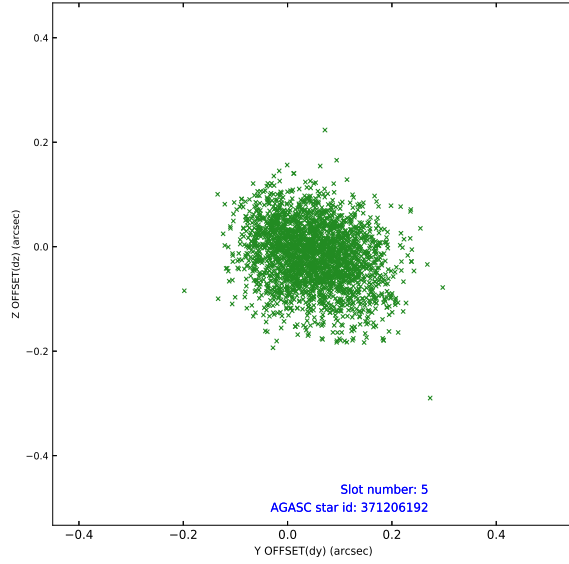
2.4.1 Slot 3



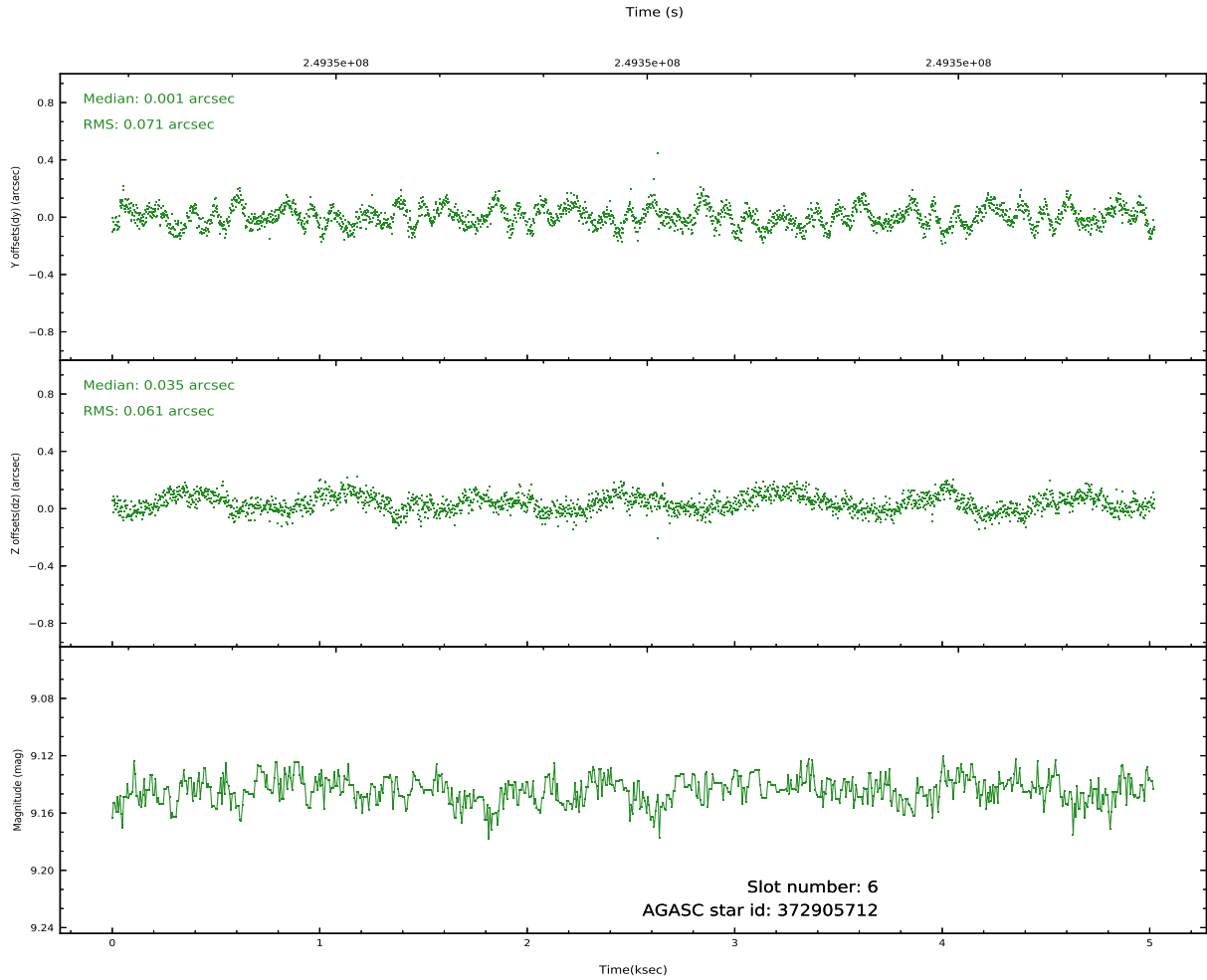
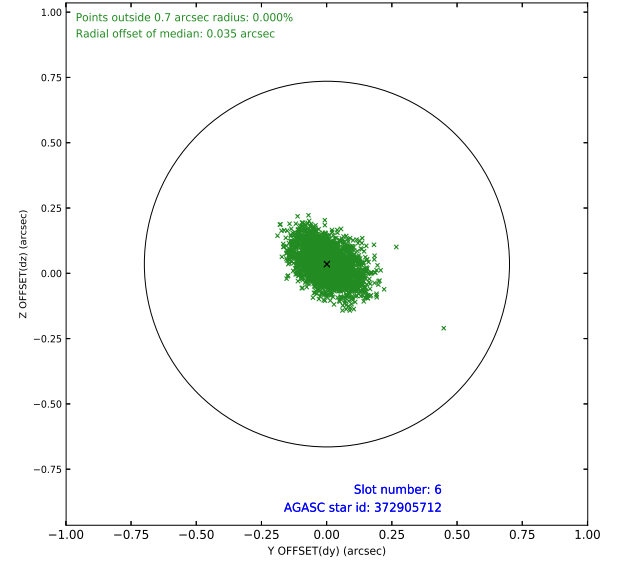
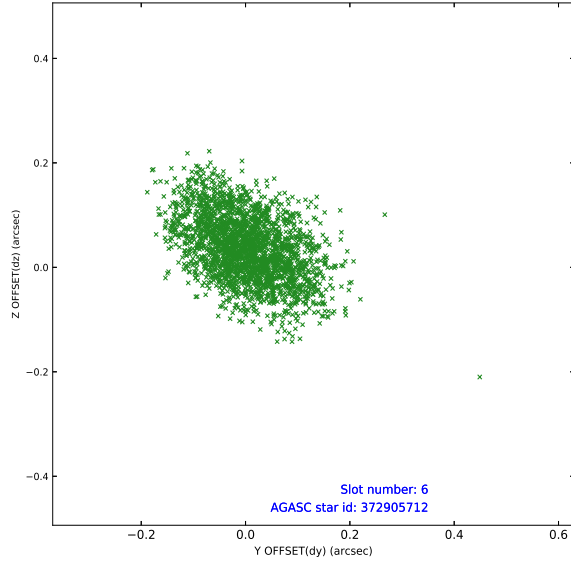
2.4.2 Slot 4



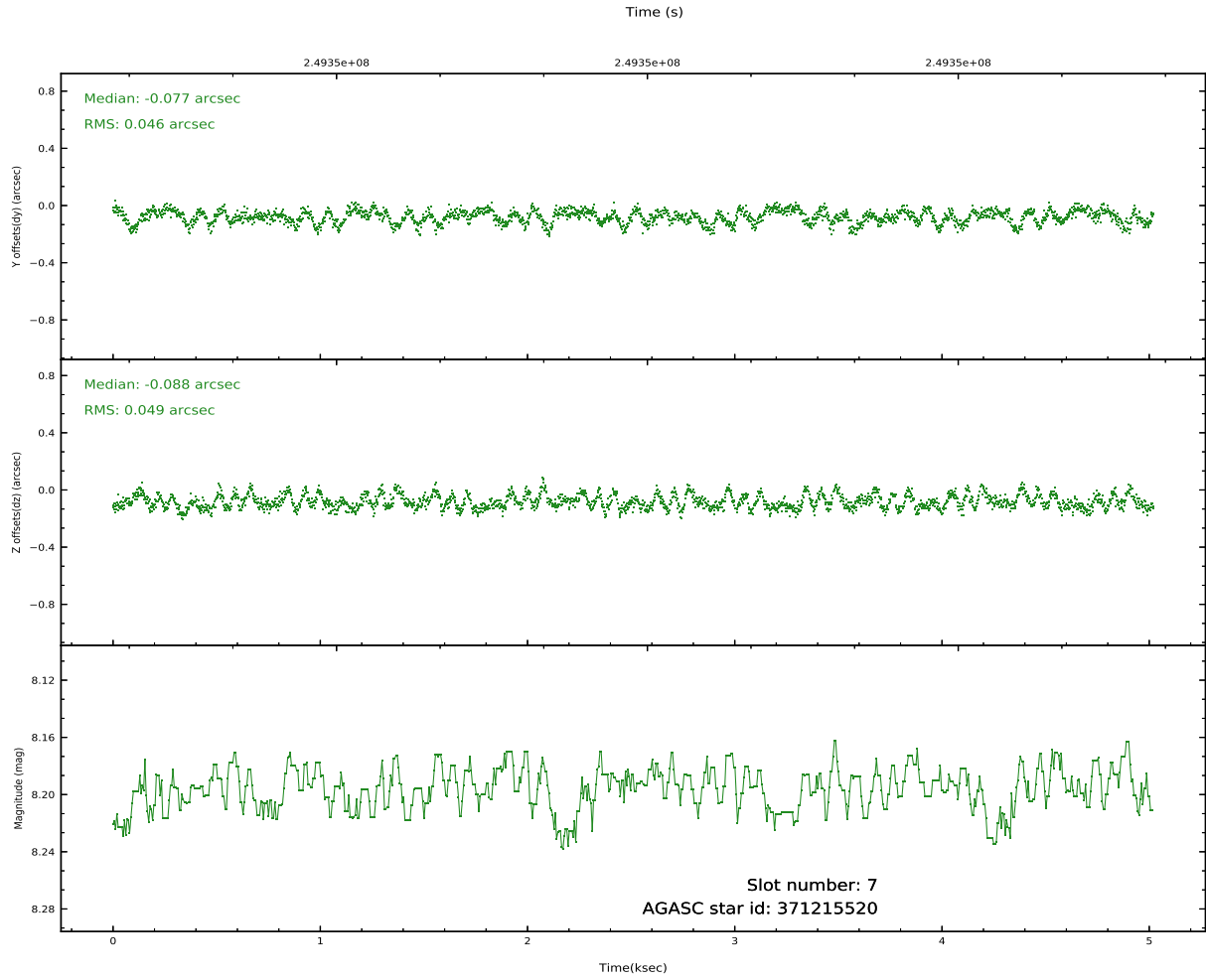
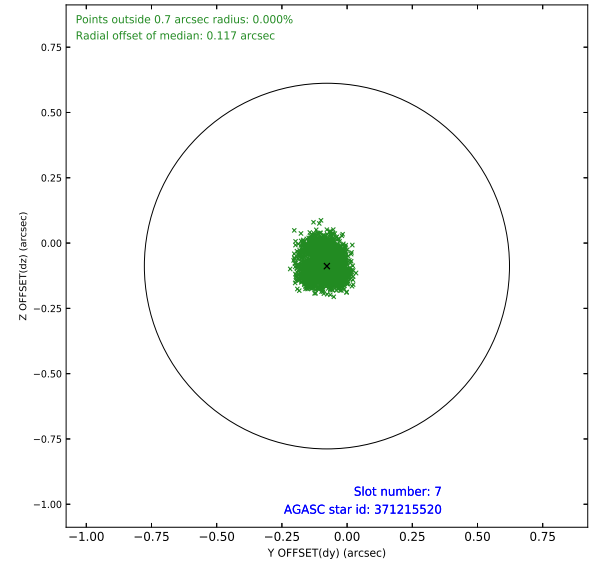
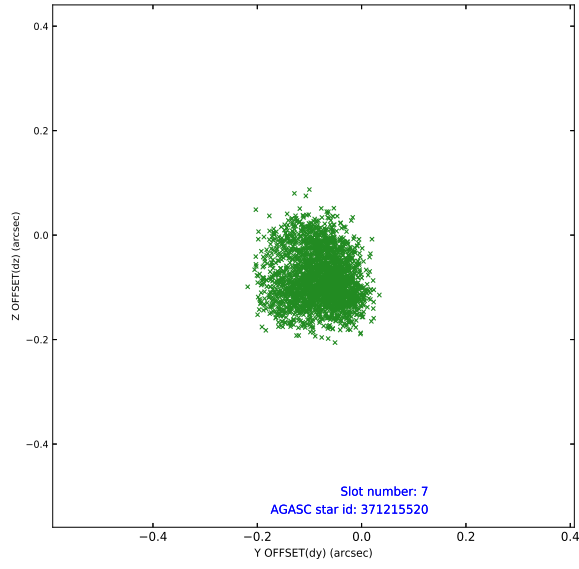
2.4.3 Slot 5



2.4.4 Slot 6

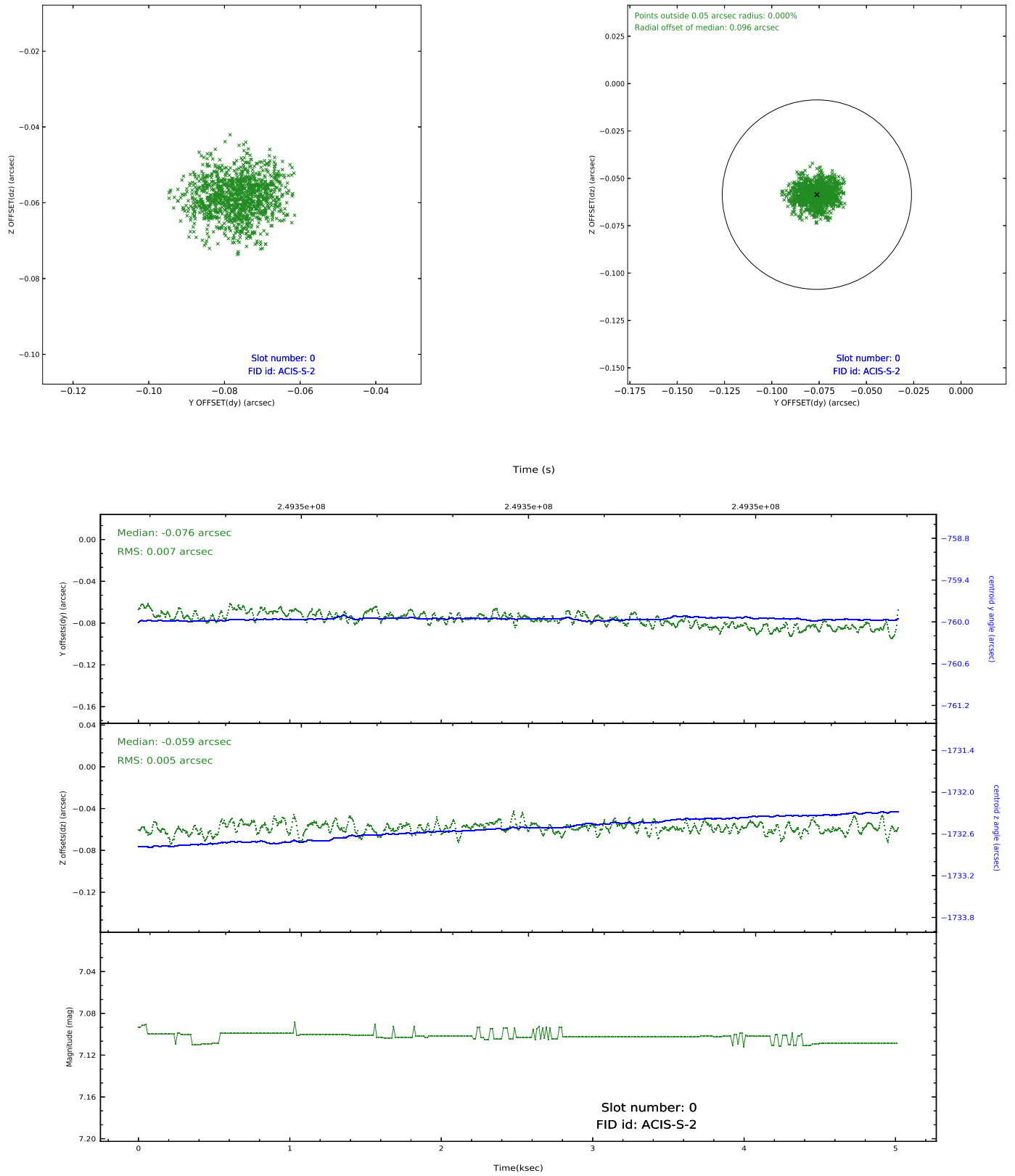


2.4.5 Slot 7

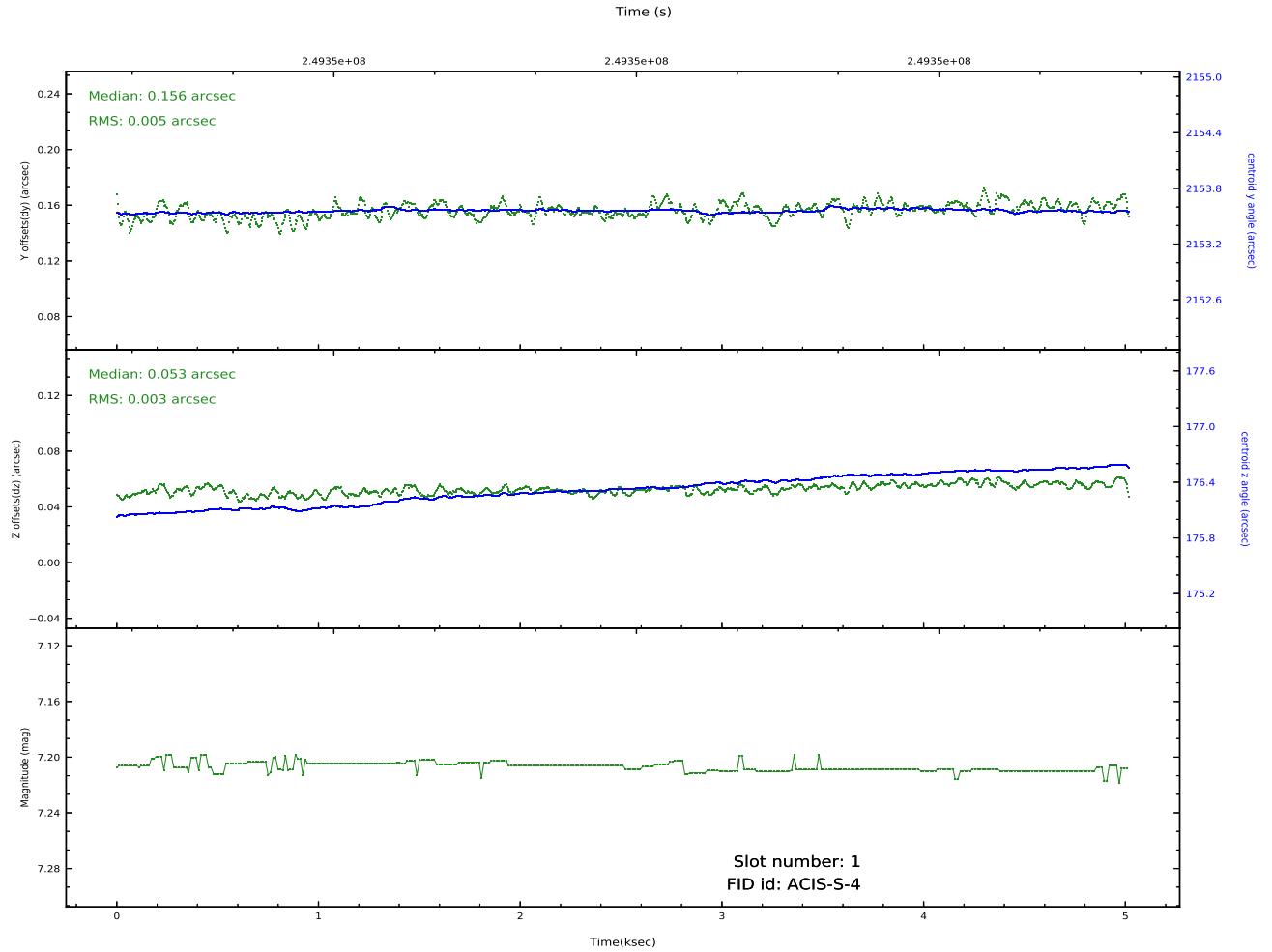
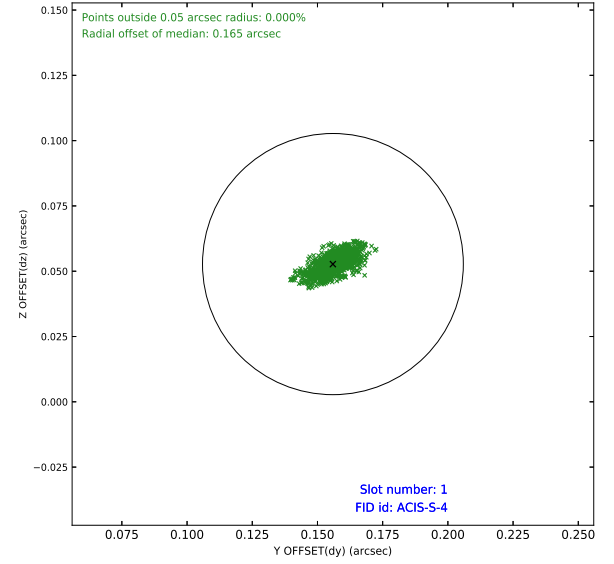
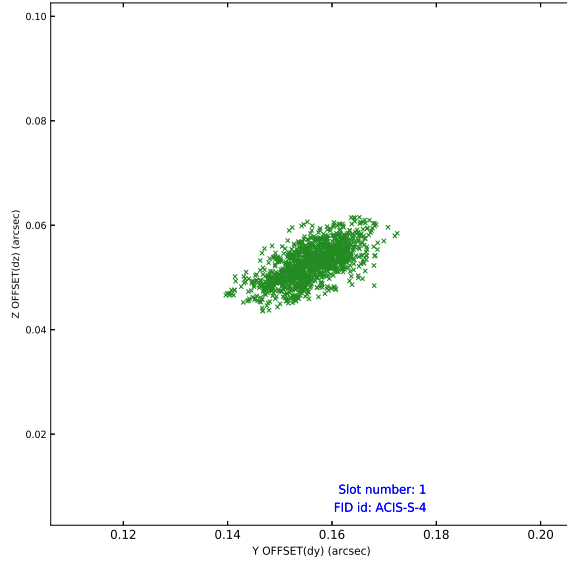


2.5 FID Slots

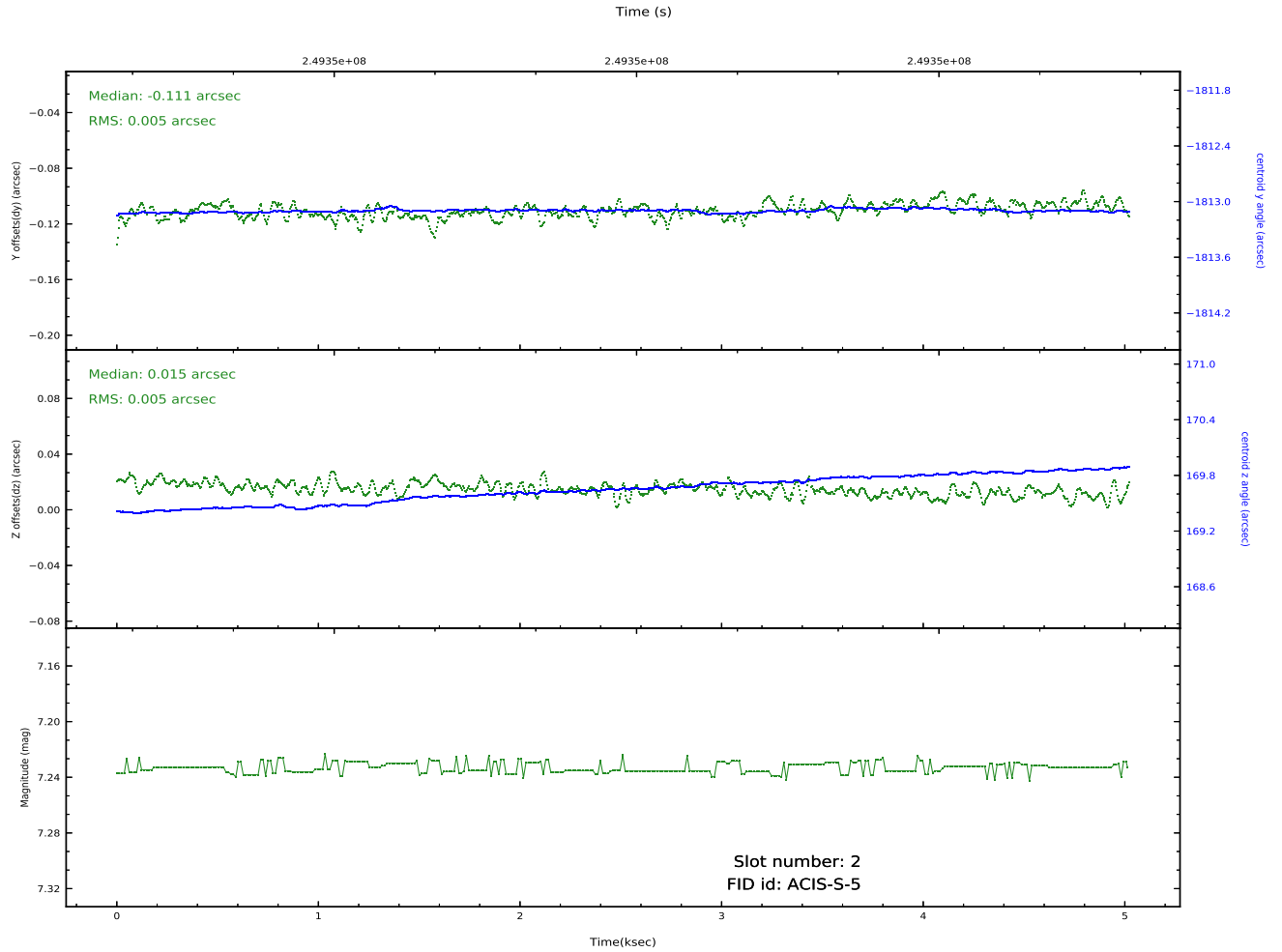
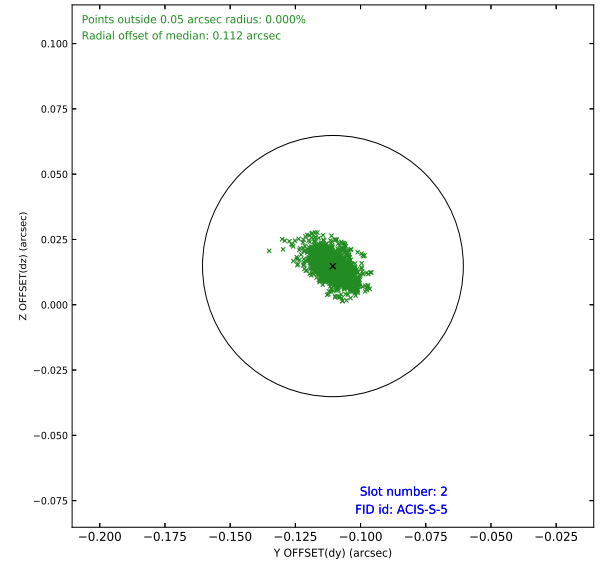
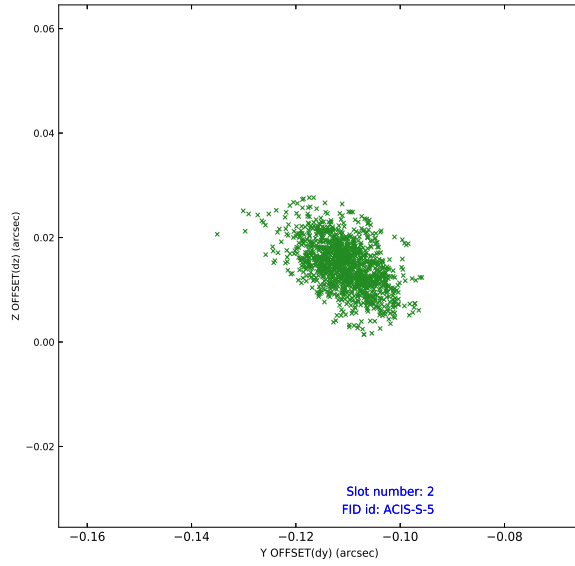
2.5.1 Slot 0



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)	2020.10.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.591999

A.2 Comments