

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5034 - L2 Version 4
Chandra X-Ray Center

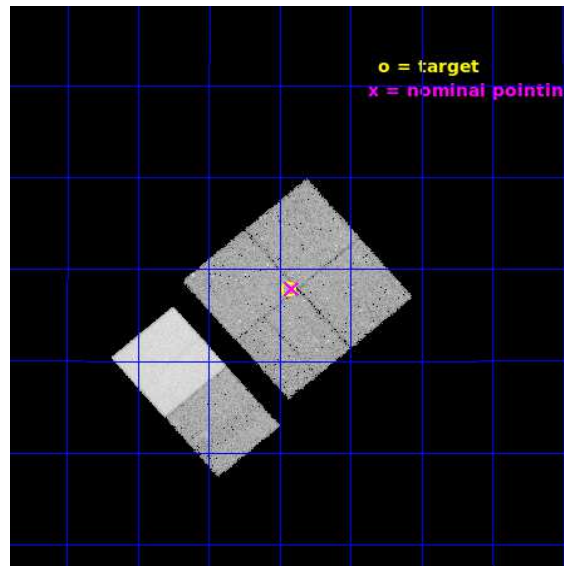
L2 Processing Date : Sep 26 2020

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1 Front

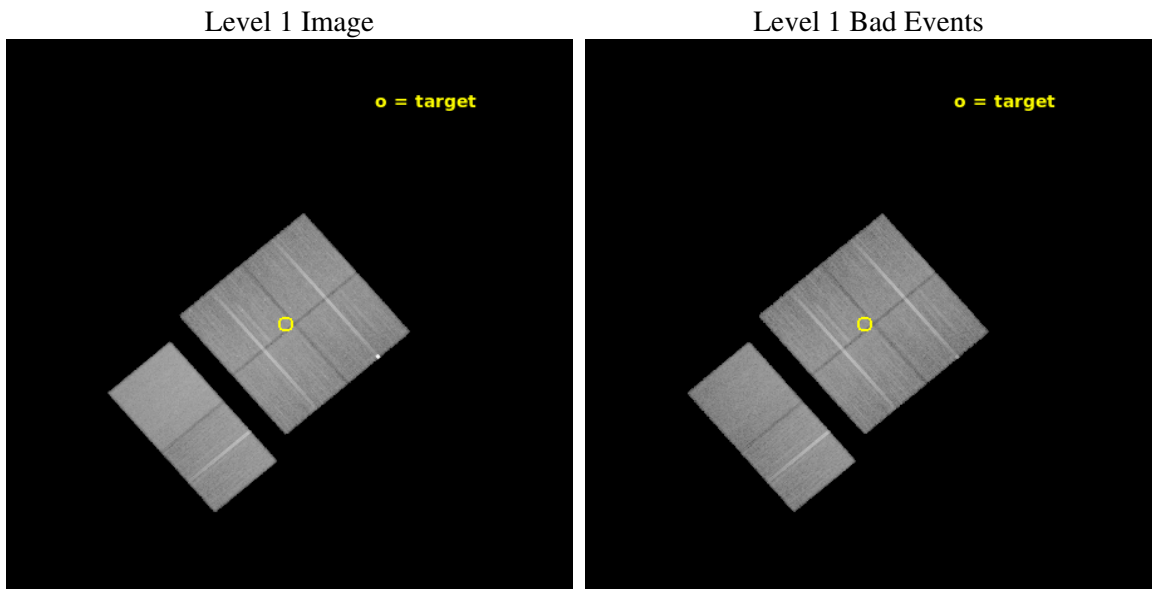
seq_num	900341	Sequence number
obs_id	5034	Observation id
title	A Chandra survey of Extremely Red Objects	Proposal title
observer	Marcella Brusa	Principal investigator
object	Daddi field - 3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	222.35875	Observer's specified target RA [deg]
dec_targ	8.9635	Observer's specified target Dec [deg]
ra_nom	222.35372238622	Nominal RA [deg]
dec_nom	8.9646735852408	Nominal Dec [deg]
roll_nom	229.30135602383	Nominal Roll [deg]
revision	4	Processing version of data
ontime	30121.599887788	Sum of GTIs [s]
livetime	29740.182052959	Livetime [s]
ontime0	30121.599887788	Sum of GTIs [s]
ontime1	30121.599887788	Sum of GTIs [s]
ontime2	30121.599887788	Sum of GTIs [s]
ontime3	30121.599887788	Sum of GTIs [s]
ontime6	30121.599887788	Sum of GTIs [s]
ontime7	30121.599887788	Sum of GTIs [s]
l2events	231079	Number of level 2 events



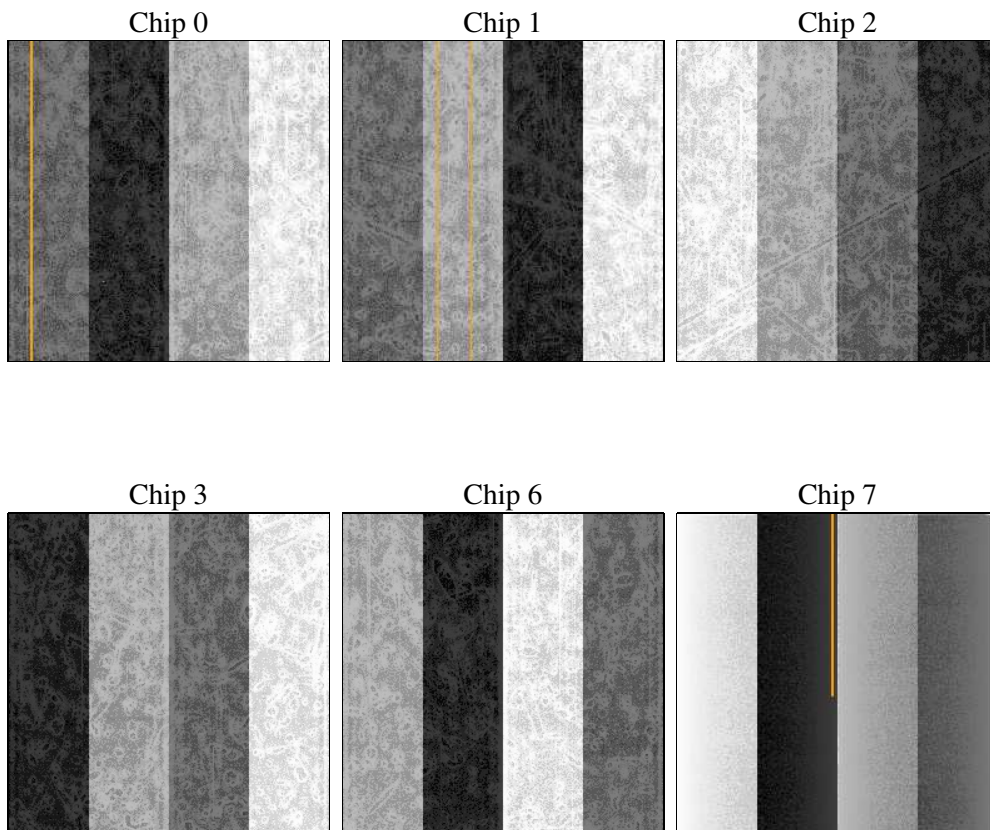
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	30000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	30121.599887788	Sum of GTIs [s]
caldbver	4.9.2	 	ontime0	30121.599887788	Sum of GTIs [s]
date	2020-09-26T12:11:43	Date and time of file creation	ontime1	30121.599887788	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	30121.599887788	Sum of GTIs [s]
			ontime3	30121.599887788	Sum of GTIs [s]
			ontime6	30121.599887788	Sum of GTIs [s]
			ontime7	30121.599887788	Sum of GTIs [s]
			l1events	1437234	Number of level 1 events

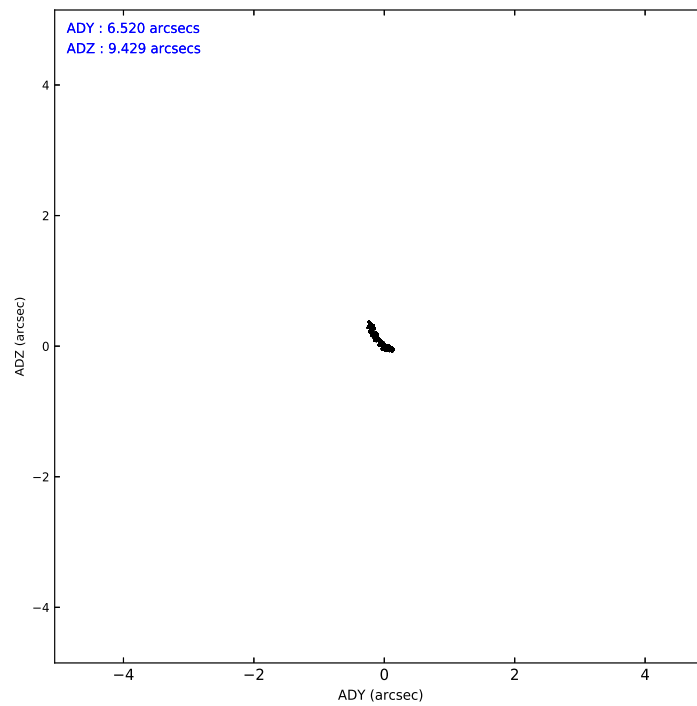
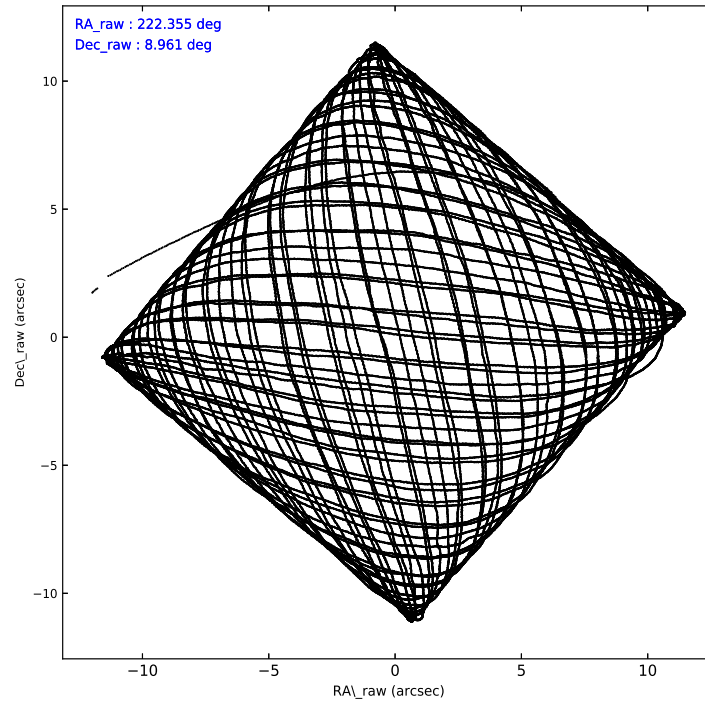
2.1.4 Events

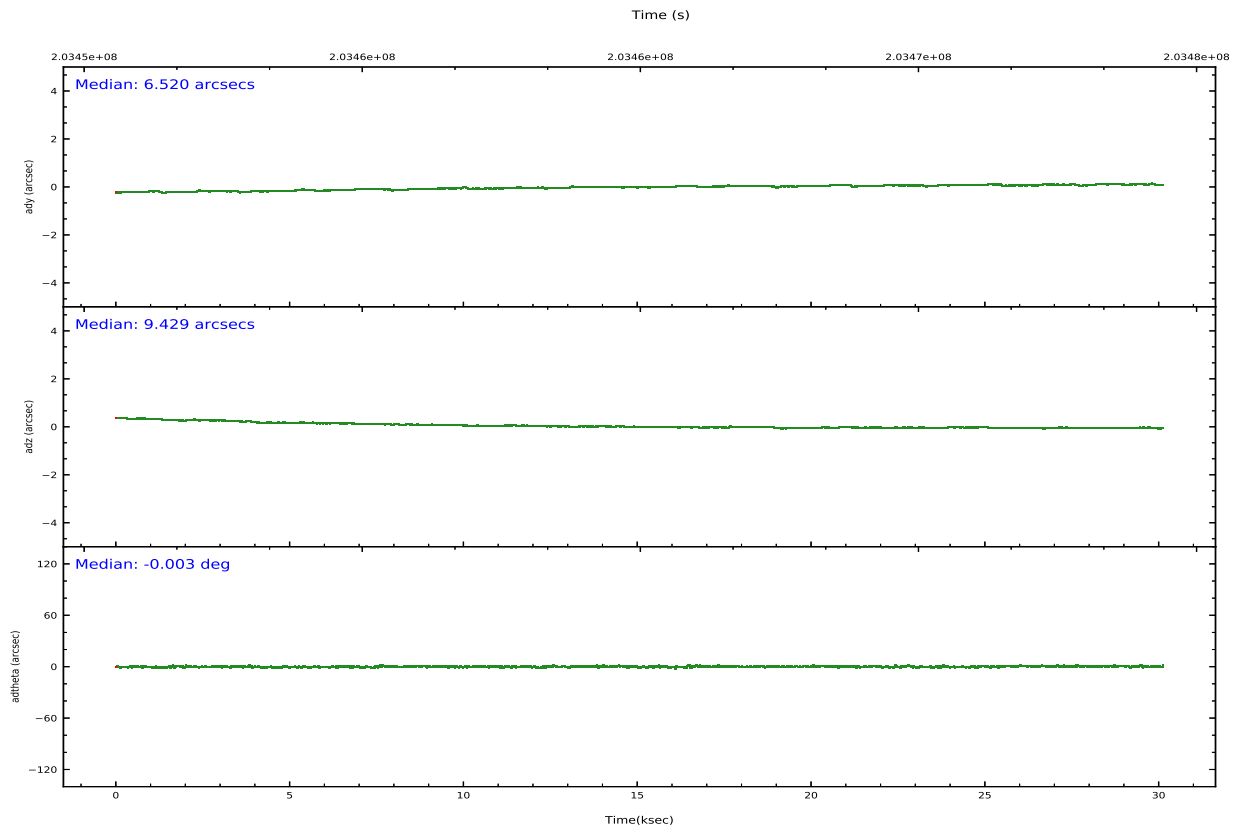
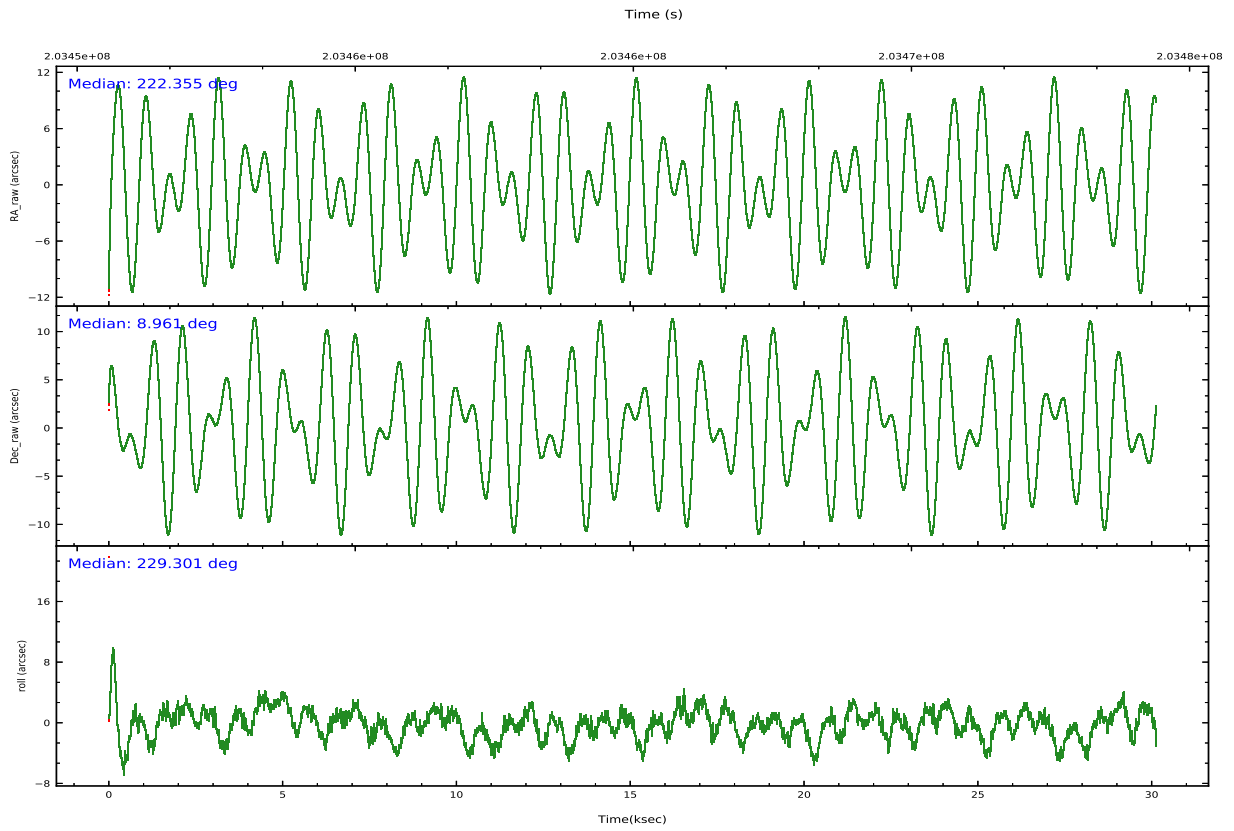
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	220095	213713	232339	226016	236179	308892	grade 0 events	21388	11553	12120	12107	10996	11507
rejected events	179277	185998	206564	199972	210160	187708		9%	5%	5%	5%	4%	3%
rejected %	81%	87%	88%	88%	88%	60%	grade 1 events	166	103	132	153	112	325
								0%	0%	0%	0%	0%	0%
							grade 2 events	11373	6293	5391	5190	5548	25282
								5%	2%	2%	2%	2%	8%
							grade 3 events	2788	2680	2597	2647	2574	11196
								1%	1%	1%	1%	1%	3%
							grade 4 events	2448	2941	2519	2611	2605	11144
								1%	1%	1%	1%	1%	3%
							grade 5 events	9104	9661	8745	10174	10729	29660
								4%	4%	3%	4%	4%	9%
							grade 6 events	4774	5565	4373	4699	5537	67784
								2%	2%	1%	2%	2%	21%
							grade 7 events	168054	174917	196462	188435	198078	151994
								76%	81%	84%	83%	83%	49%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-012367	ACIS-012367	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	222.359579	222.35372238622	Subarray requested	NONE	NONE
[deg] Pointing Dec	8.988372	8.964673585240799	Alternating exposures requested	N	N
[deg] Pointing Roll	229.094609	229.30135602383	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	203449038.184000	203447296.25648			
Observation start date	2004-06-12T17:36:14	2004-06-12T17:08:16			
[s] Observation end time (MET)	203479038.184000	203479548.3954			
Observation end date	2004-06-13T01:56:14	2004-06-13T02:05:48			
Read mode	TIMED	TIMED			

2.3 Aspect



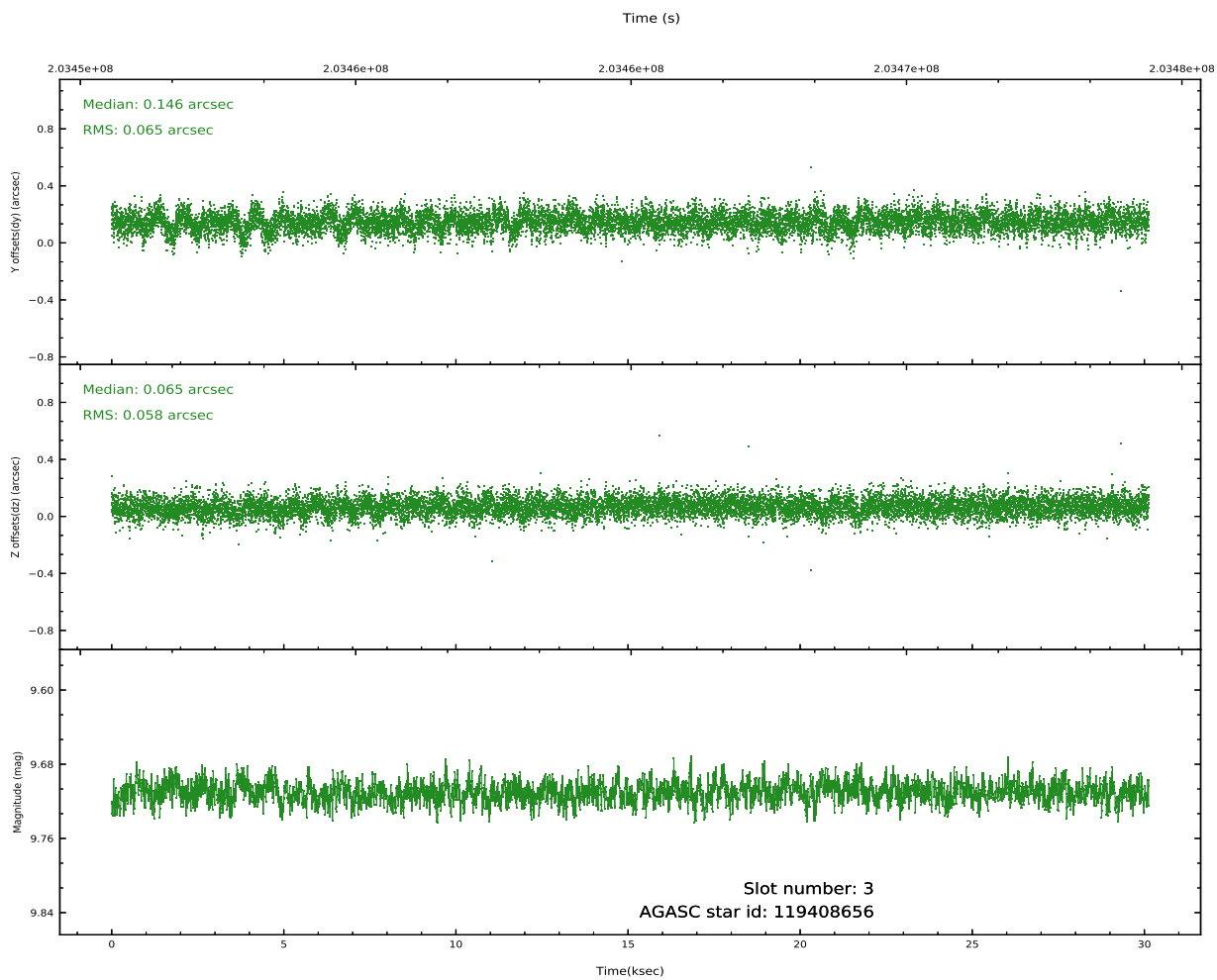
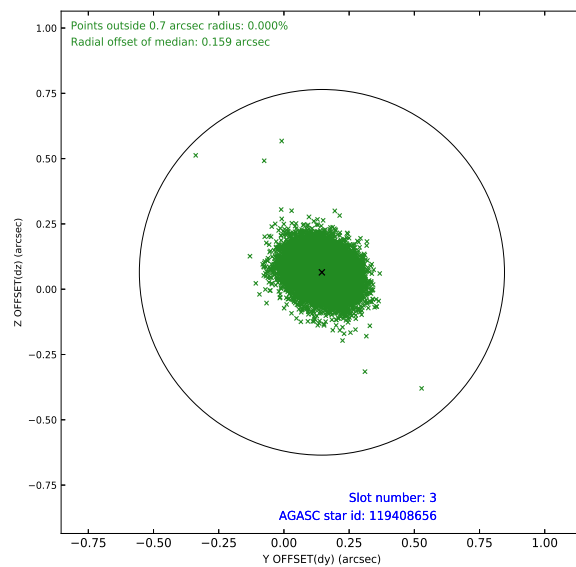
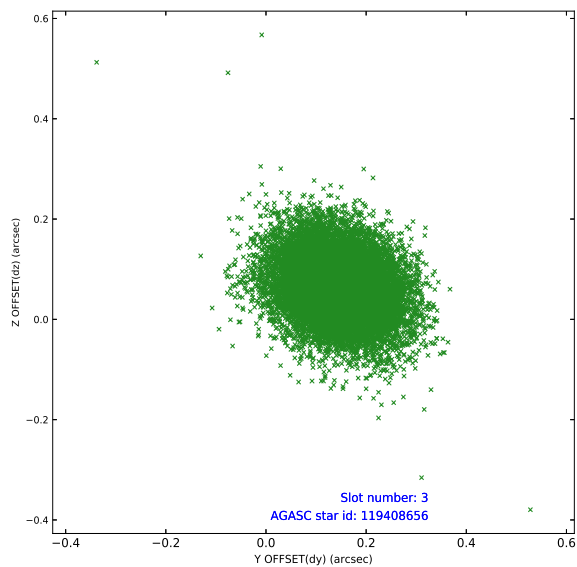


Slot Statistics

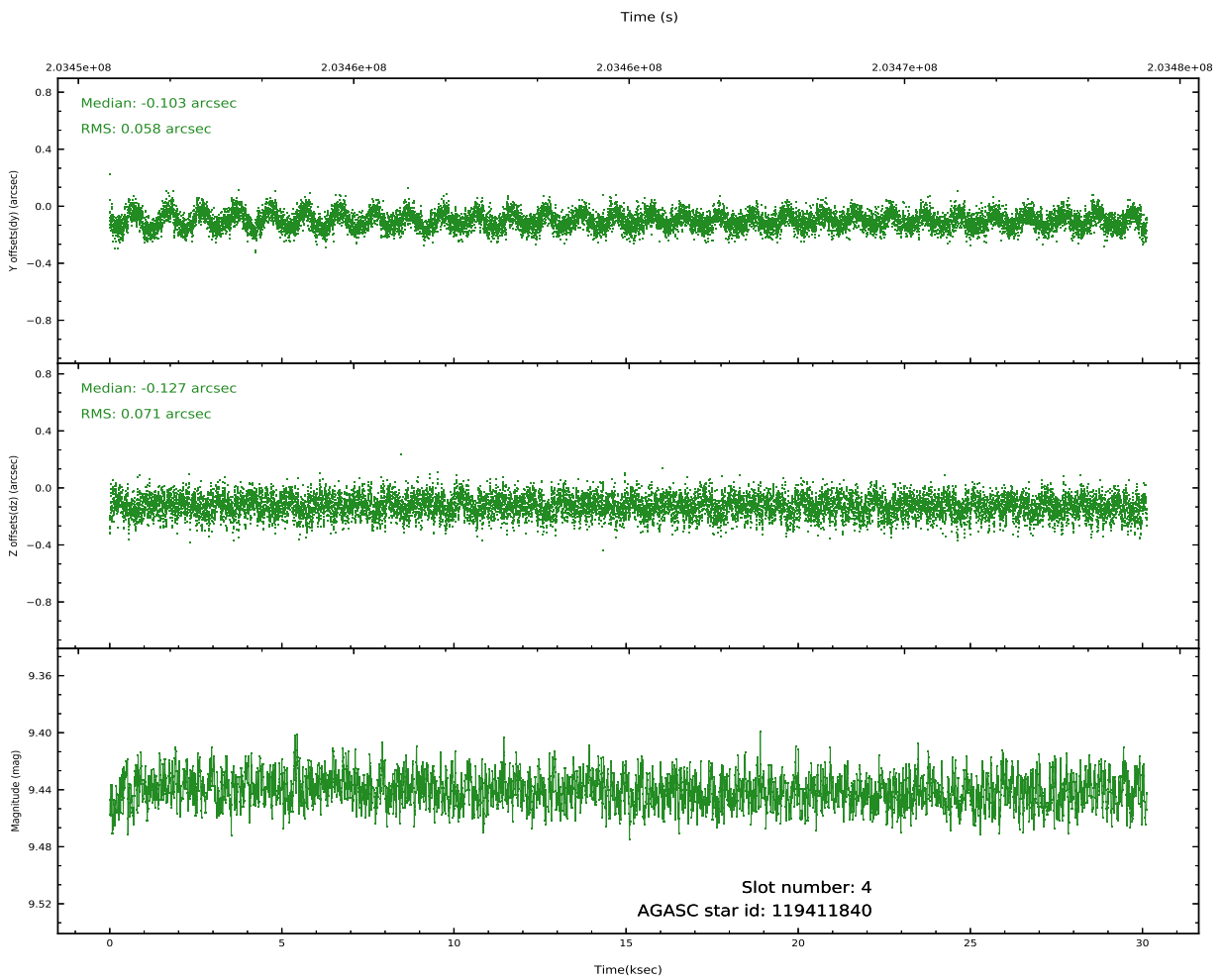
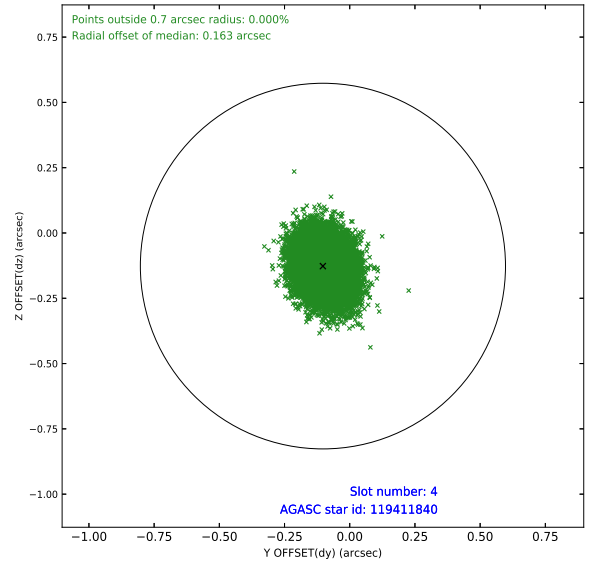
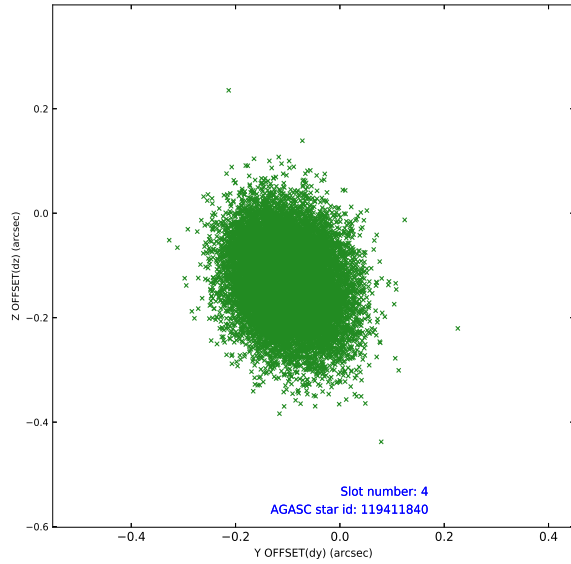
slot	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_x
0	FID		ACIS-I-2	7.14	7347	1.000	-0.084	-0.092	0.009	0.016	0.000000	0.000000	-761.04	-839
1	FID		ACIS-I-4	7.19	7349	1.000	0.173	0.076	0.010	0.018	0.000000	0.000000	2153.22	1066
2	FID		ACIS-I-5	7.23	7349	1.000	-0.189	0.084	0.011	0.017	0.000000	0.000000	-1814.90	1064
3	GUIDE	used	119408656	9.71	14682	1.000	0.146	0.065	0.092	0.153	222.086631	8.778551	1207.07	-239
4	GUIDE	used	119411840	9.44	14690	1.000	-0.103	-0.127	0.098	0.157	222.041386	9.490009	-624.95	-2037
5	GUIDE	used	120325072	9.27	14679	1.000	-0.102	0.030	0.076	0.124	222.613060	9.408510	-1732.70	-310
6	GUIDE	used	120327320	9.66	14690	1.000	0.148	0.046	0.100	0.166	222.306742	8.399268	1726.33	1246
7	GUIDE	used	120333112	7.49	14696	1.000	-0.093	-0.013	0.044	0.072	222.982560	8.825335	-1008.45	2057

2.4 Star Slots

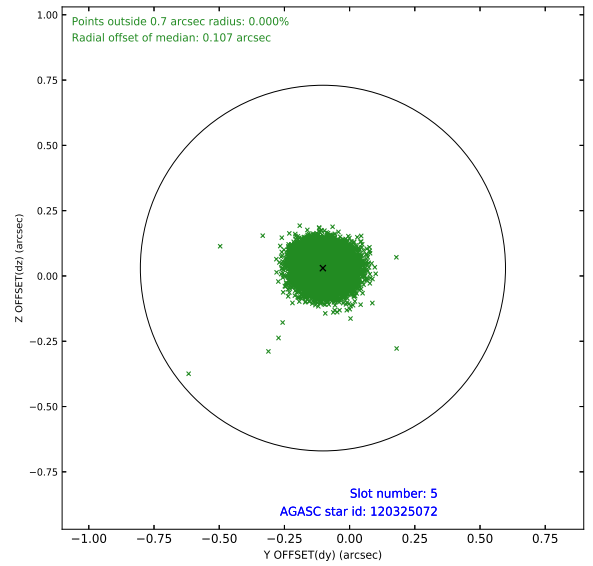
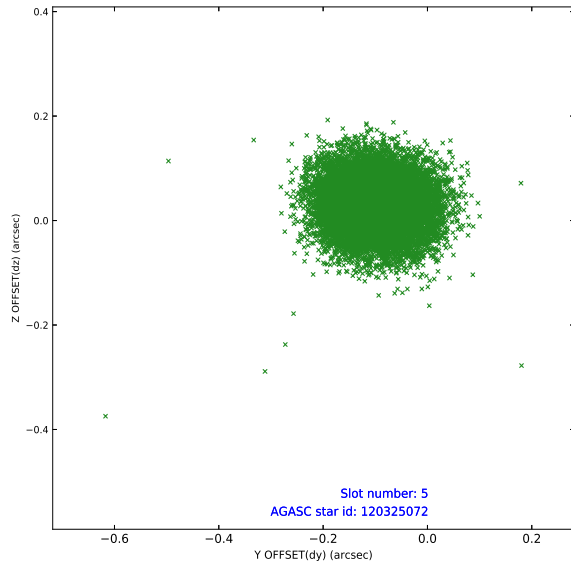
2.4.1 Slot 3



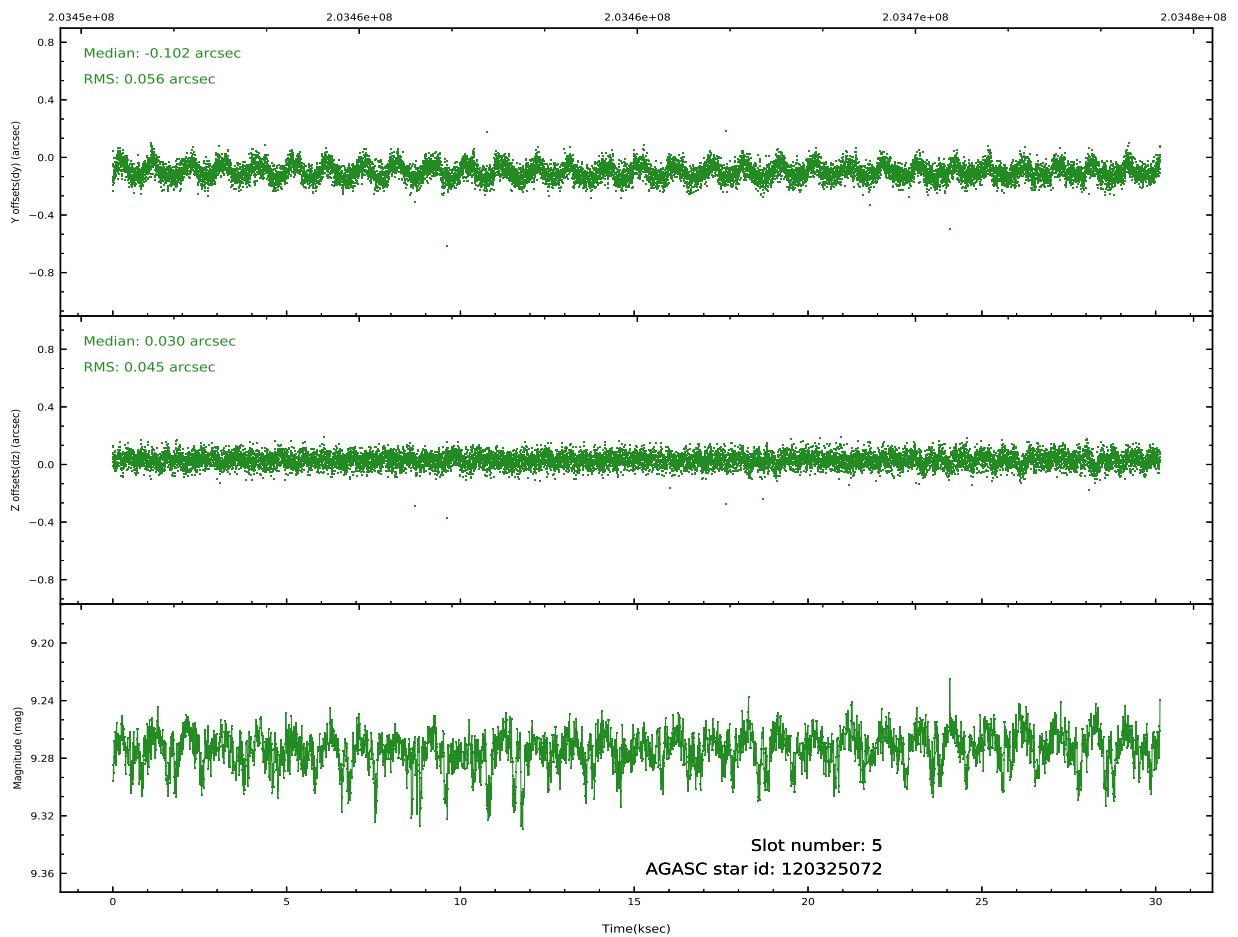
2.4.2 Slot 4



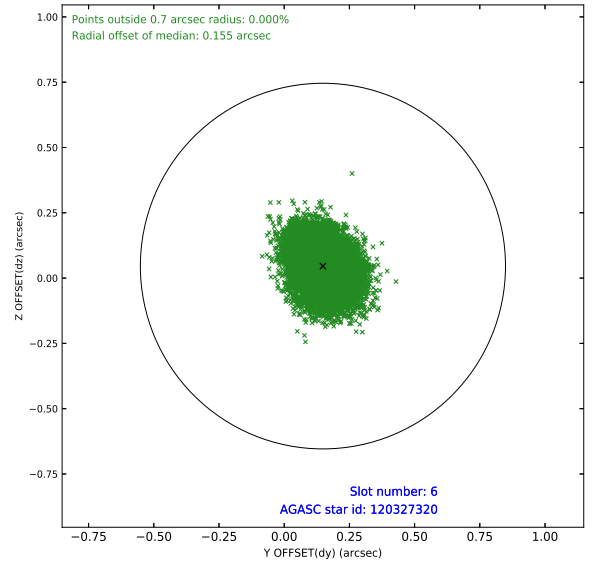
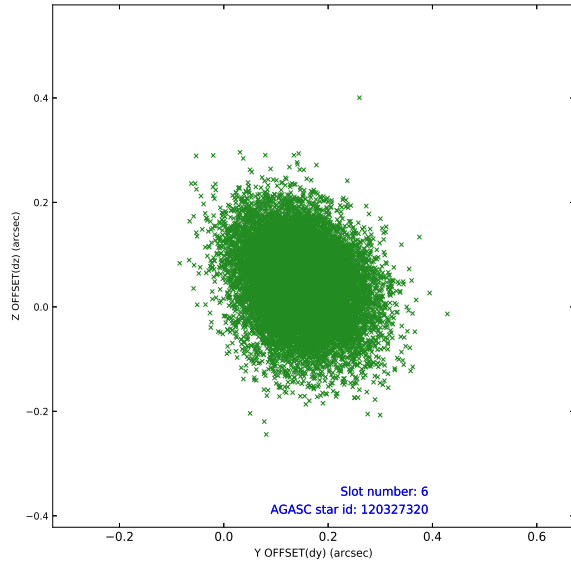
2.4.3 Slot 5



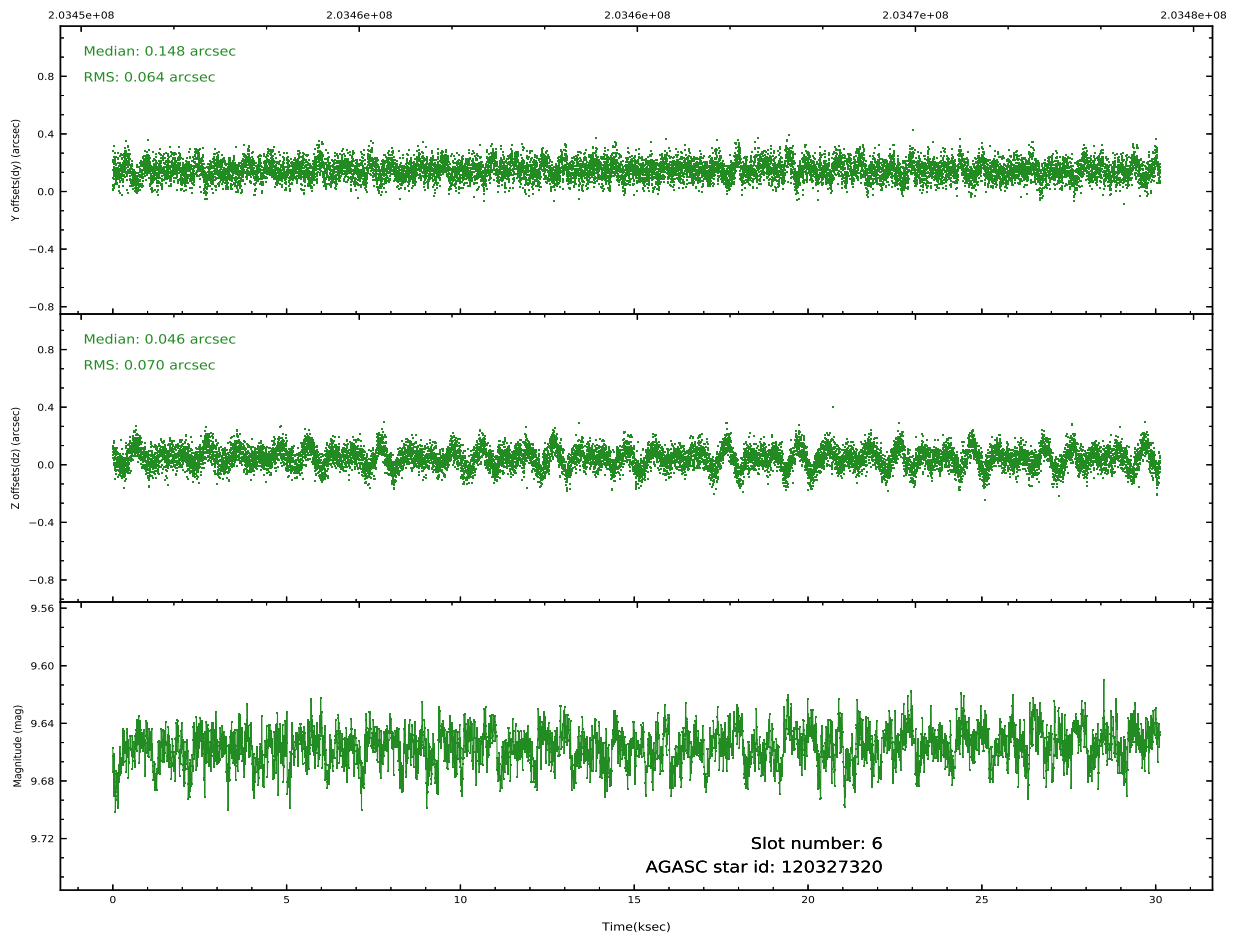
Time (s)



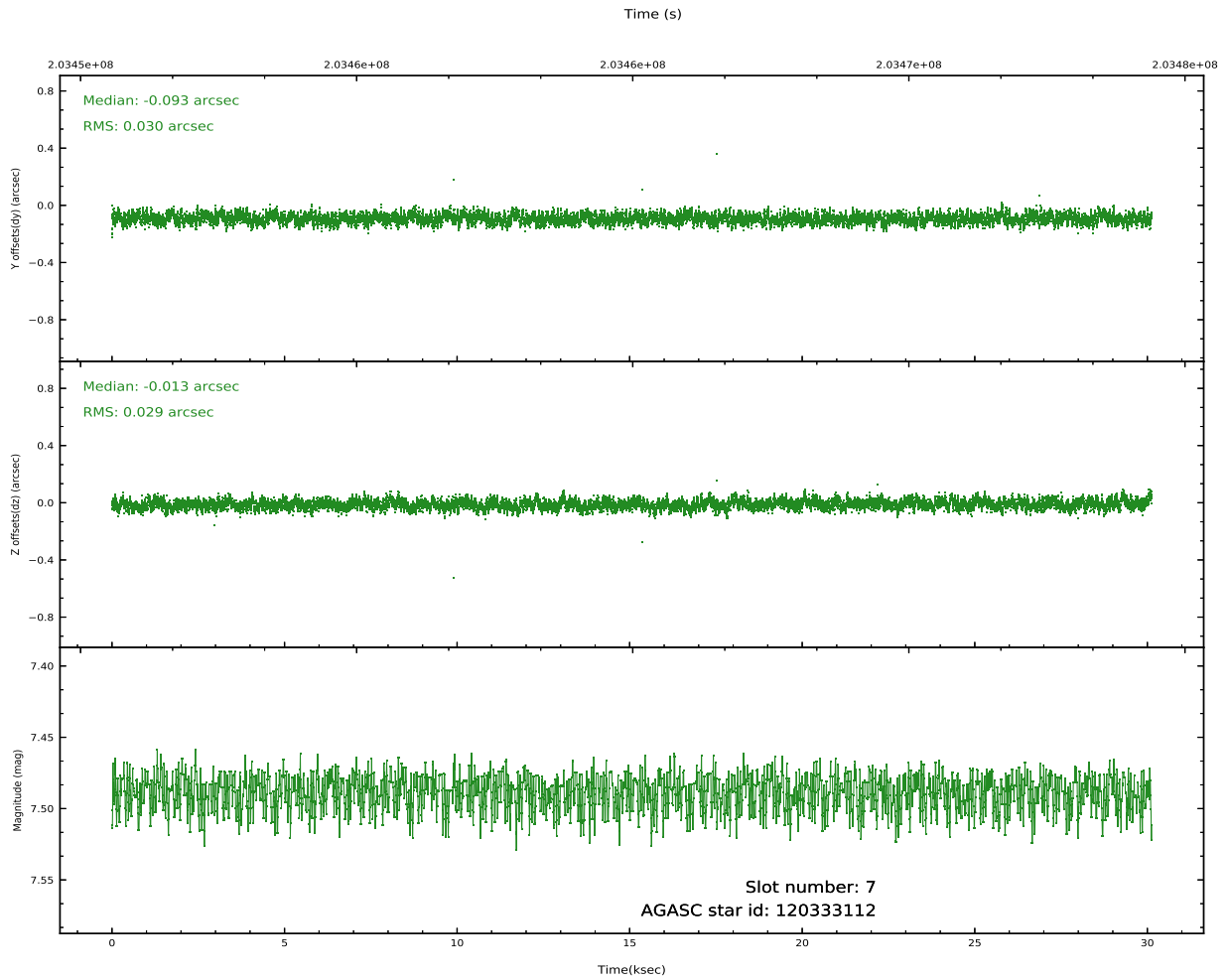
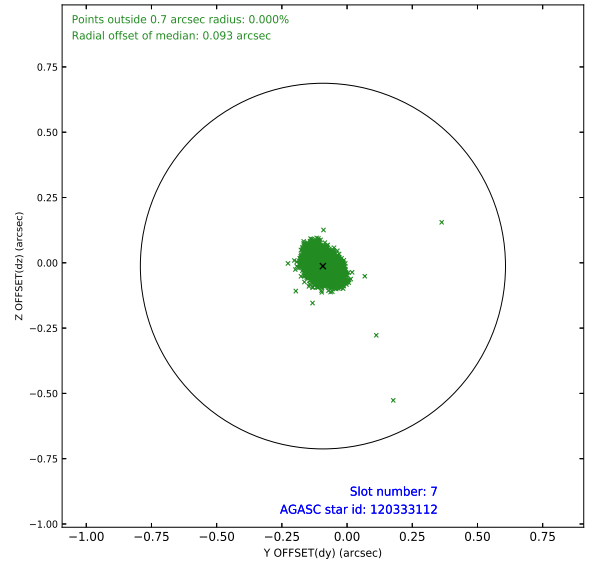
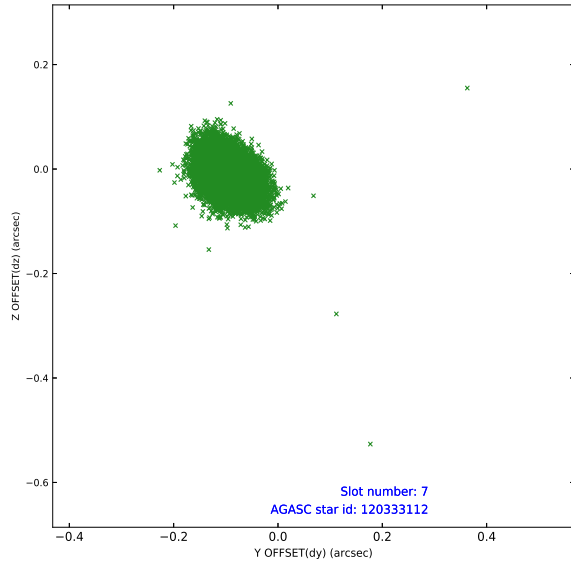
2.4.4 Slot 6



Time (s)

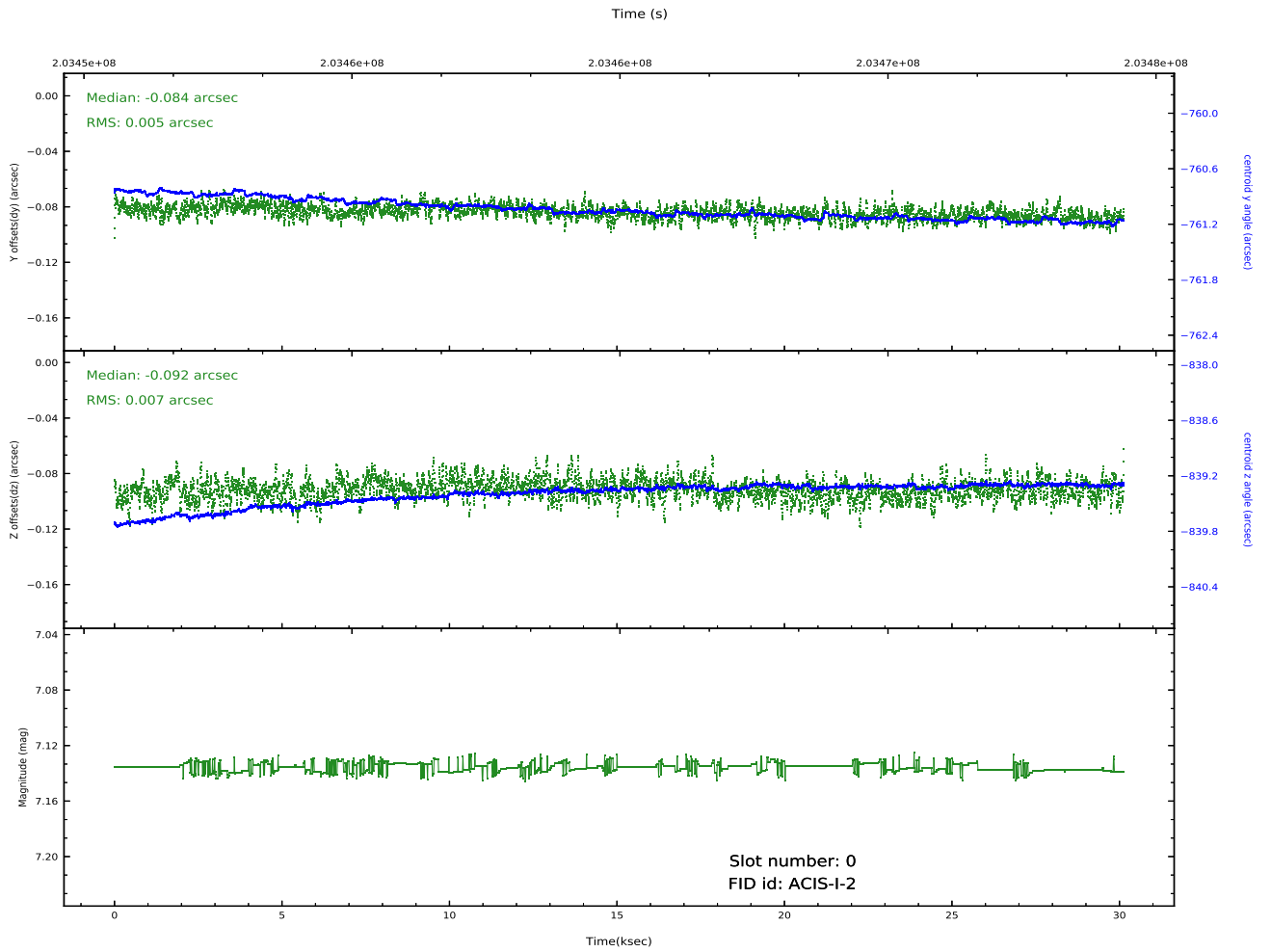
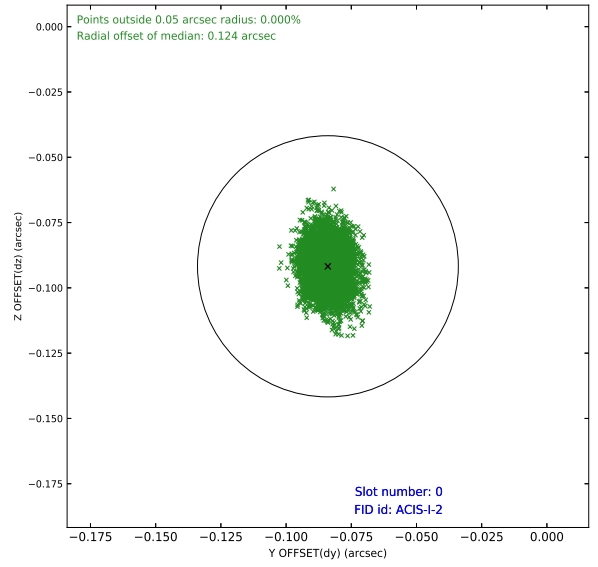
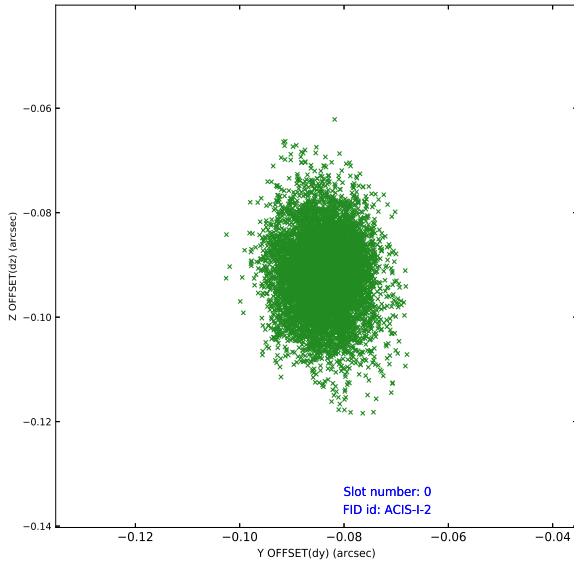


2.4.5 Slot 7

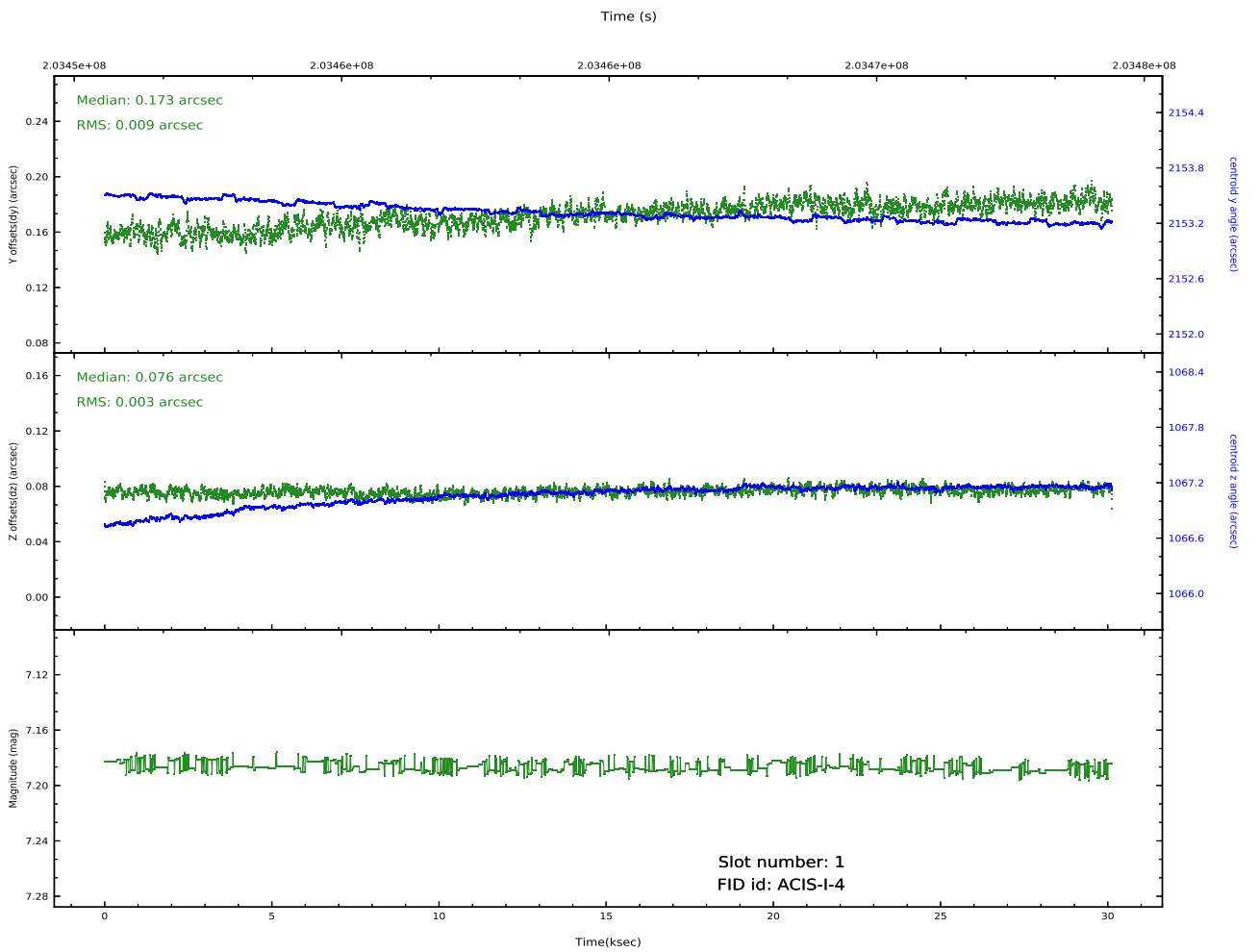
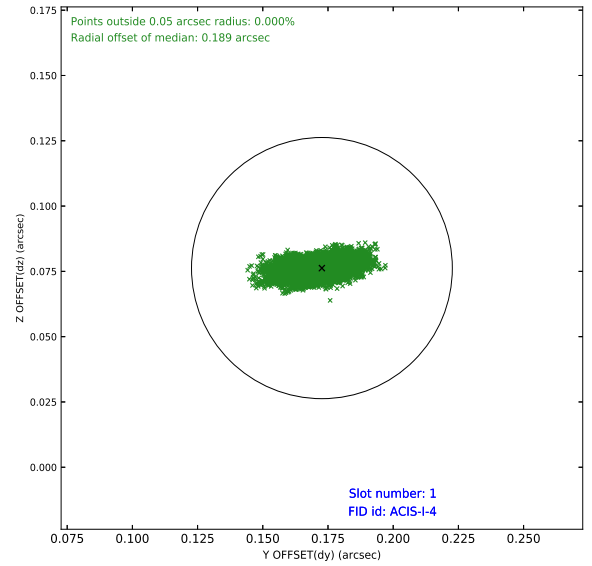
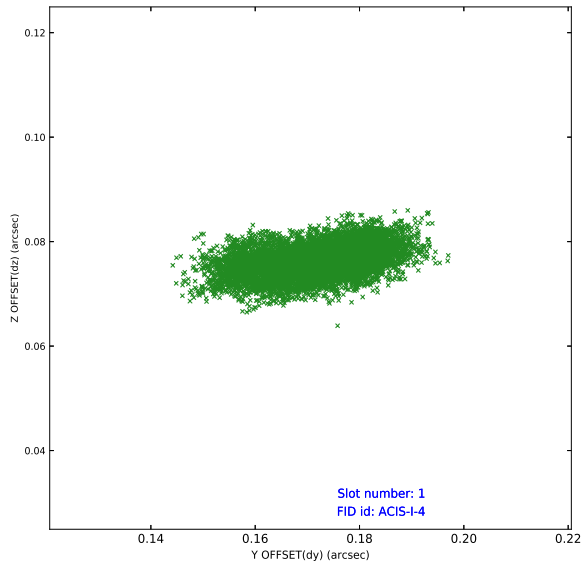


2.5 FID Slots

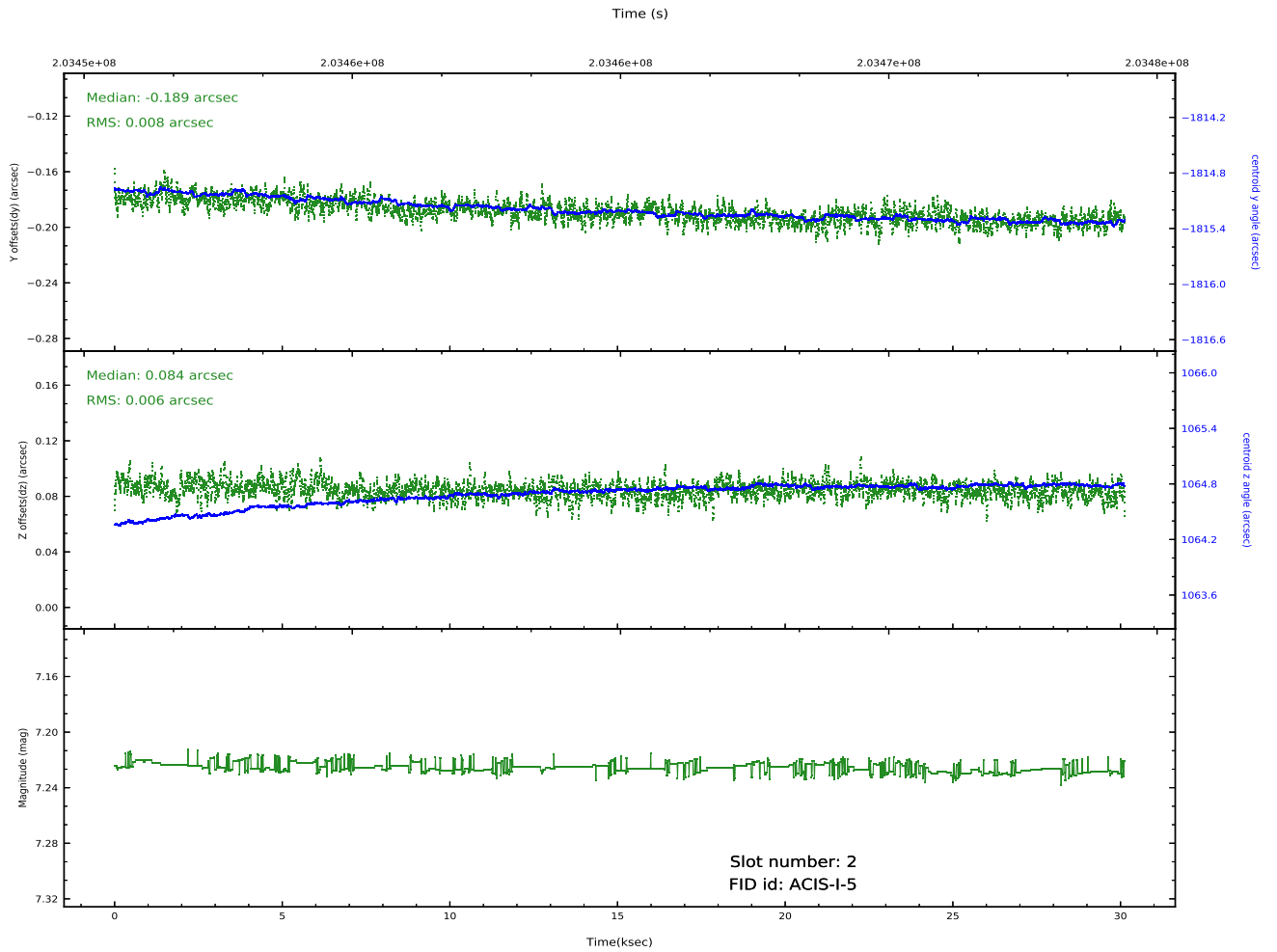
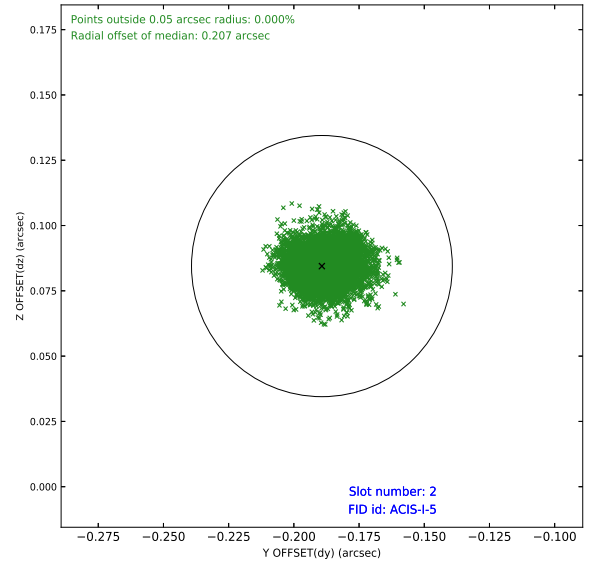
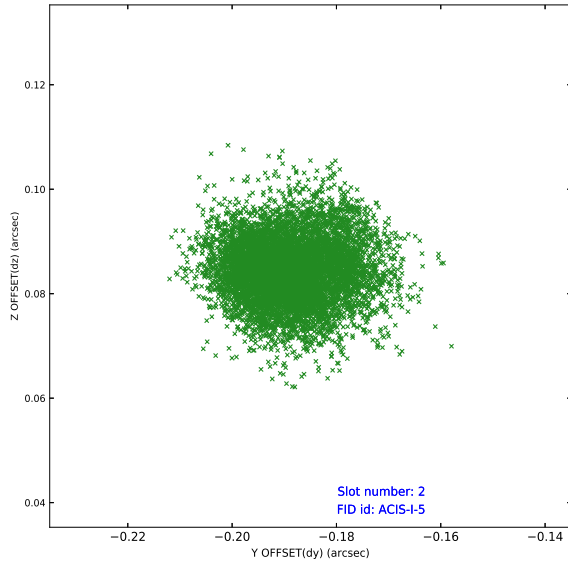
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2020.09.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.121

A.2 Comments