

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 19481 - L2 Version 2
Chandra X-Ray Center

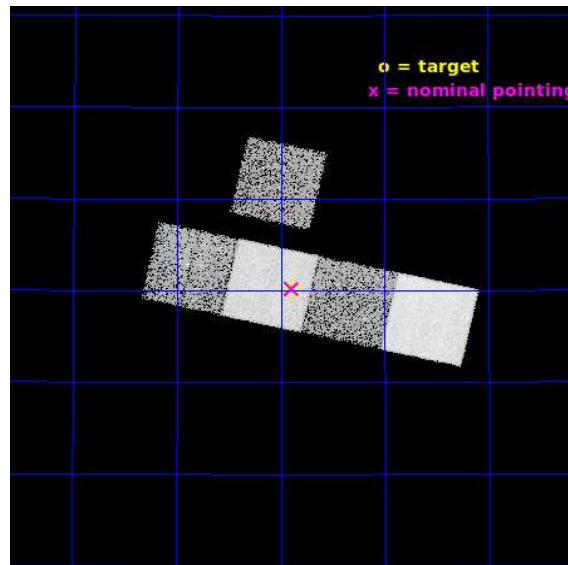
L2 Processing Date : Oct 24 2020

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1 Front

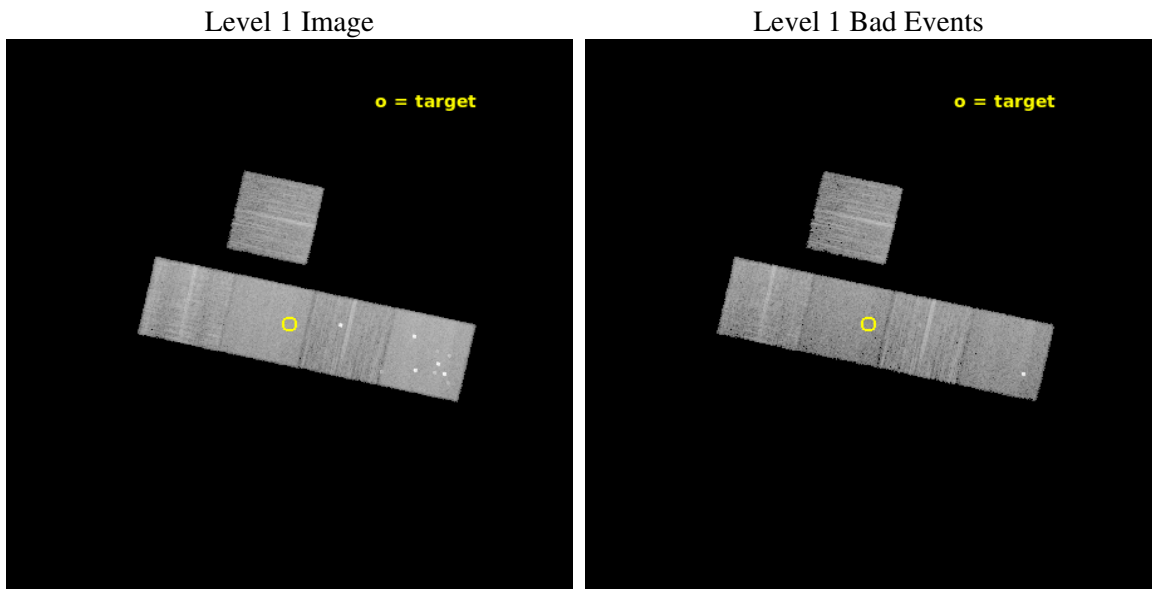
seq_num	703329	Sequence number
obs_id	19481	Observation id
title	UNDERSTANDING THE ROLE OF AGN IN TRANSITIONING GALAXI	Proposal tit
observer	Lauranne Lanz	Principal investigator
object	spog1558	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	156.7225	Observer's specified target RA [deg]
dec_targ	43.669	Observer's specified target Dec [deg]
ra_nom	156.72324701821	Nominal RA [deg]
dec_nom	43.670421992796	Nominal Dec [deg]
roll_nom	192.47359183919	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10050.200077415	Sum of GTIs [s]
livetime	9918.8868145534	Livetime [s]
ontime3	10050.200077415	Sum of GTIs [s]
ontime5	10050.200077415	Sum of GTIs [s]
ontime6	10050.200077415	Sum of GTIs [s]
ontime7	10050.200077415	Sum of GTIs [s]
ontime8	10050.200077415	Sum of GTIs [s]
l2events	116637	Number of level 2 events



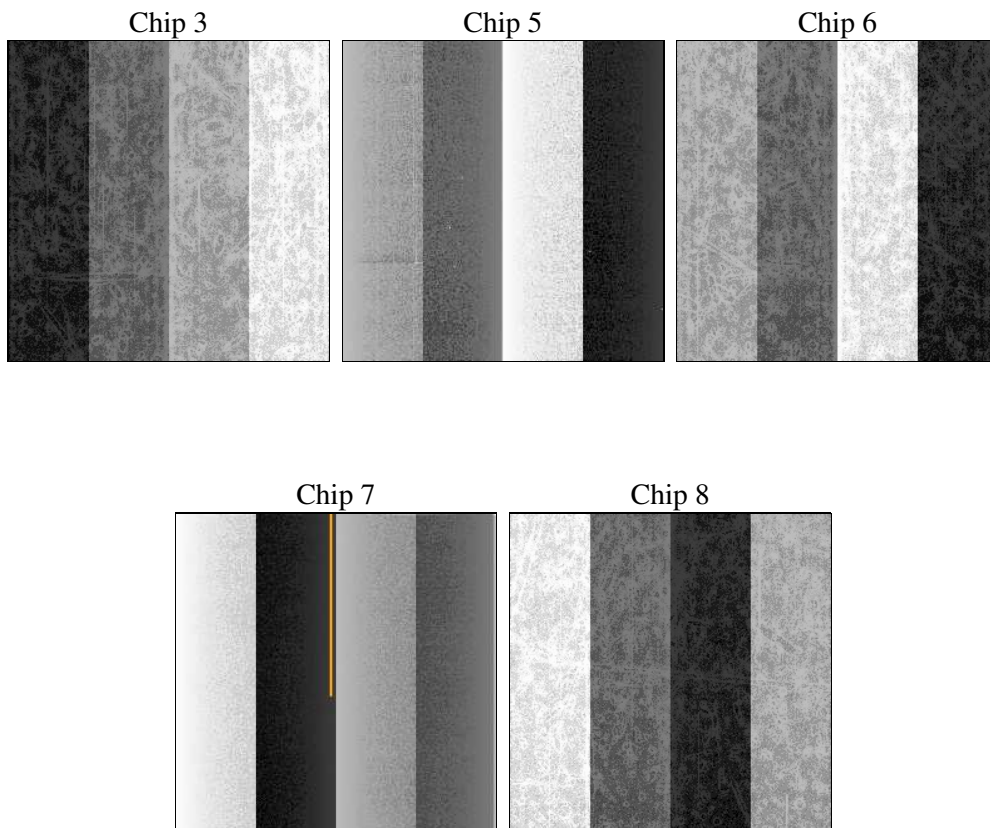
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.2	Processing system revision	ontime	10050.200077415	Sum of GTIs [s]
caldsver	4.9.3	 	ontime3	10050.200077415	Sum of GTIs [s]
date	2020-10-25T00:26:22	Date and time of file creation	ontime5	10050.200077415	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	10050.200077415	Sum of GTIs [s]
			ontime7	10050.200077415	Sum of GTIs [s]
			ontime8	10050.200077415	Sum of GTIs [s]
			l1events	478638	Number of level 1 events

2.1.4 Events

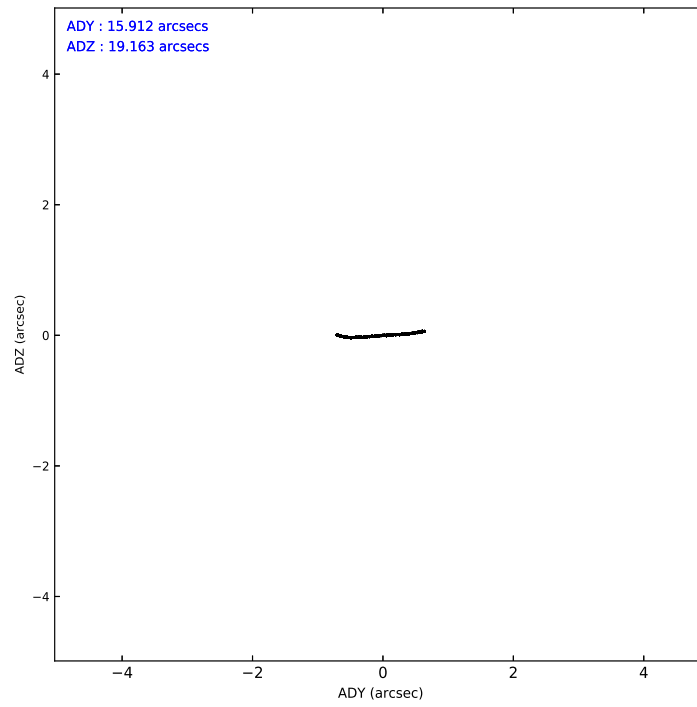
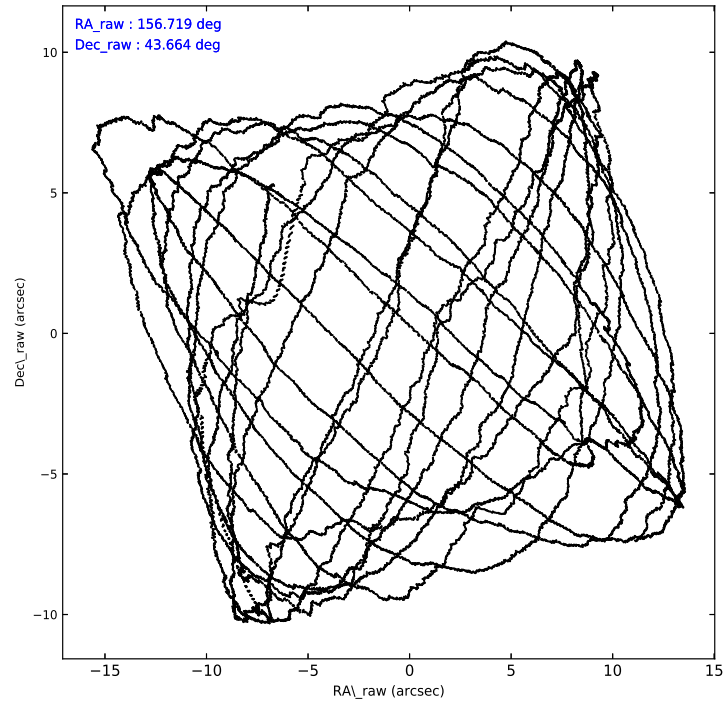
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	70752	131694	81277	97418	97497
rejected events	63380	65330	69858	55592	72485
rejected %	89%	49%	85%	57%	74%

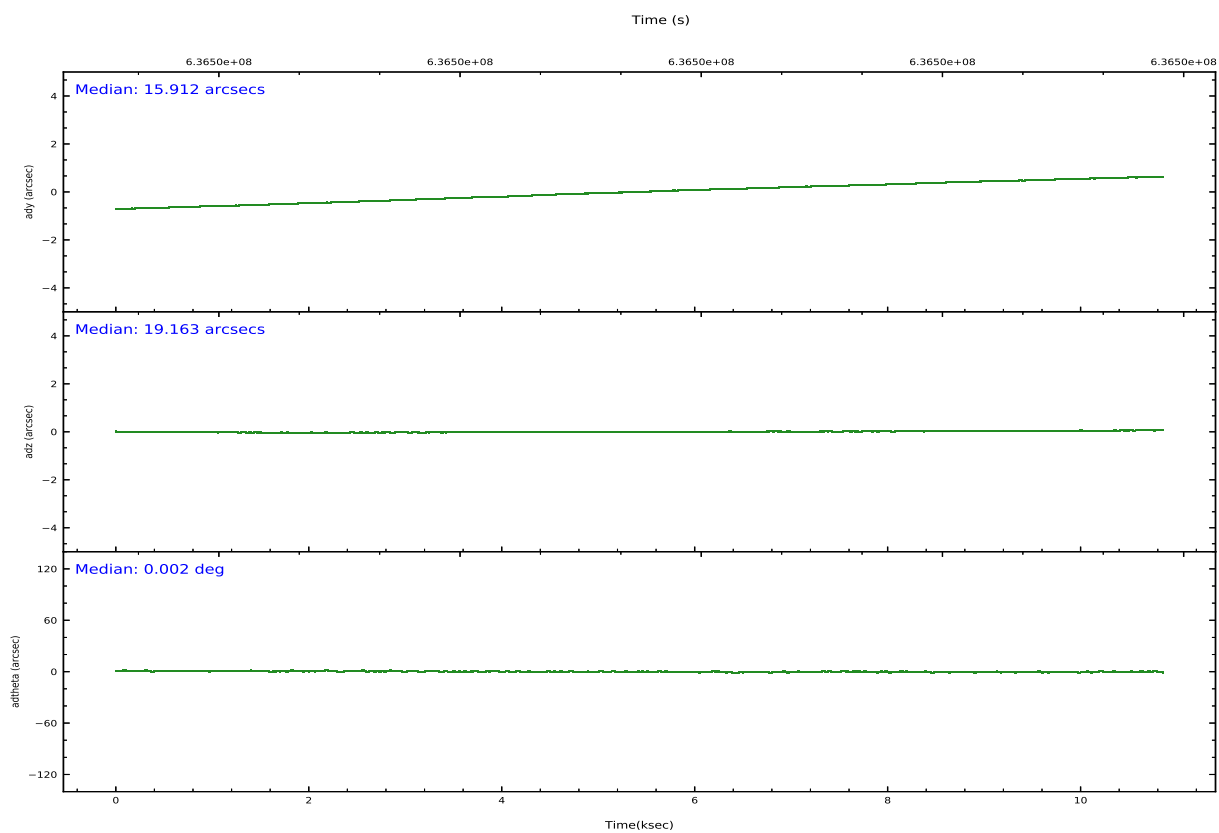
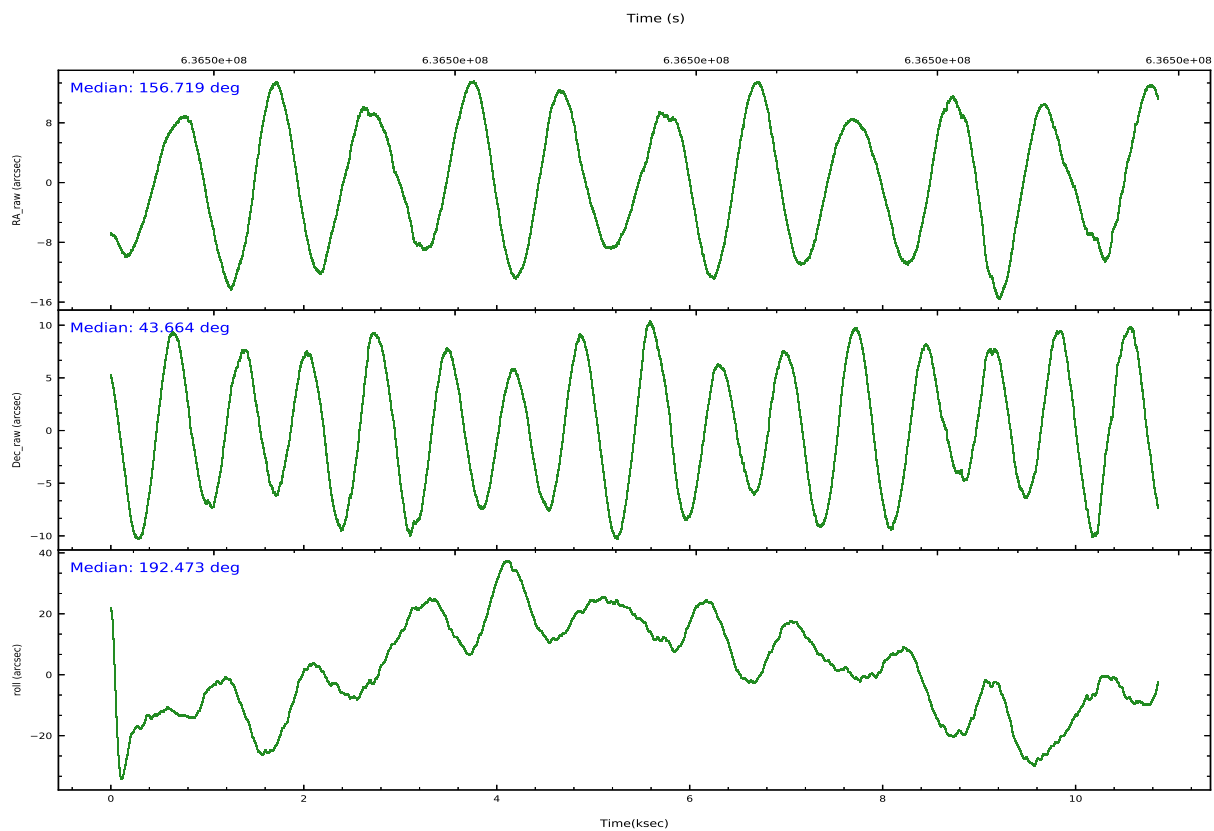
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	2530	12870	4778	3543	6955
	3%	9%	5%	3%	7%
grade 1 events	39	315	56	118	78
	0%	0%	0%	0%	0%
grade 2 events	1672	18663	2892	8804	6108
	2%	14%	3%	9%	6%
grade 3 events	816	1786	810	3294	2665
	1%	1%	0%	3%	2%
grade 4 events	766	1625	792	3296	2399
	1%	1%	0%	3%	2%
grade 5 events	3456	8031	3492	9539	5245
	4%	6%	4%	9%	5%
grade 6 events	1590	31447	2150	22898	6893
	2%	23%	2%	23%	7%
grade 7 events	59883	56957	66307	45926	67154
	84%	43%	81%	47%	68%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-35678	ACIS-35678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	156.746422	156.72324701821	CCD I2 on	O1	N
[deg] Pointing Dec	43.682806	43.670421992796	CCD I3 on	O2	Y
[deg] Pointing Roll	192.310294	192.47359183919	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	Y	Y
[s] Observation start time (MET)	636494788.184000	636493511.91655	CCD S5 on	N	N
Observation start date	2018-03-03T20:05:19	2018-03-03T19:45:11	Number of optional ACIS chips dropped	1	1
[s] Observation end time (MET)	636504788.184000	636505204.60474	On-chip summing requested	N	N
Observation end date	2018-03-03T22:51:59	2018-03-03T23:00:04	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



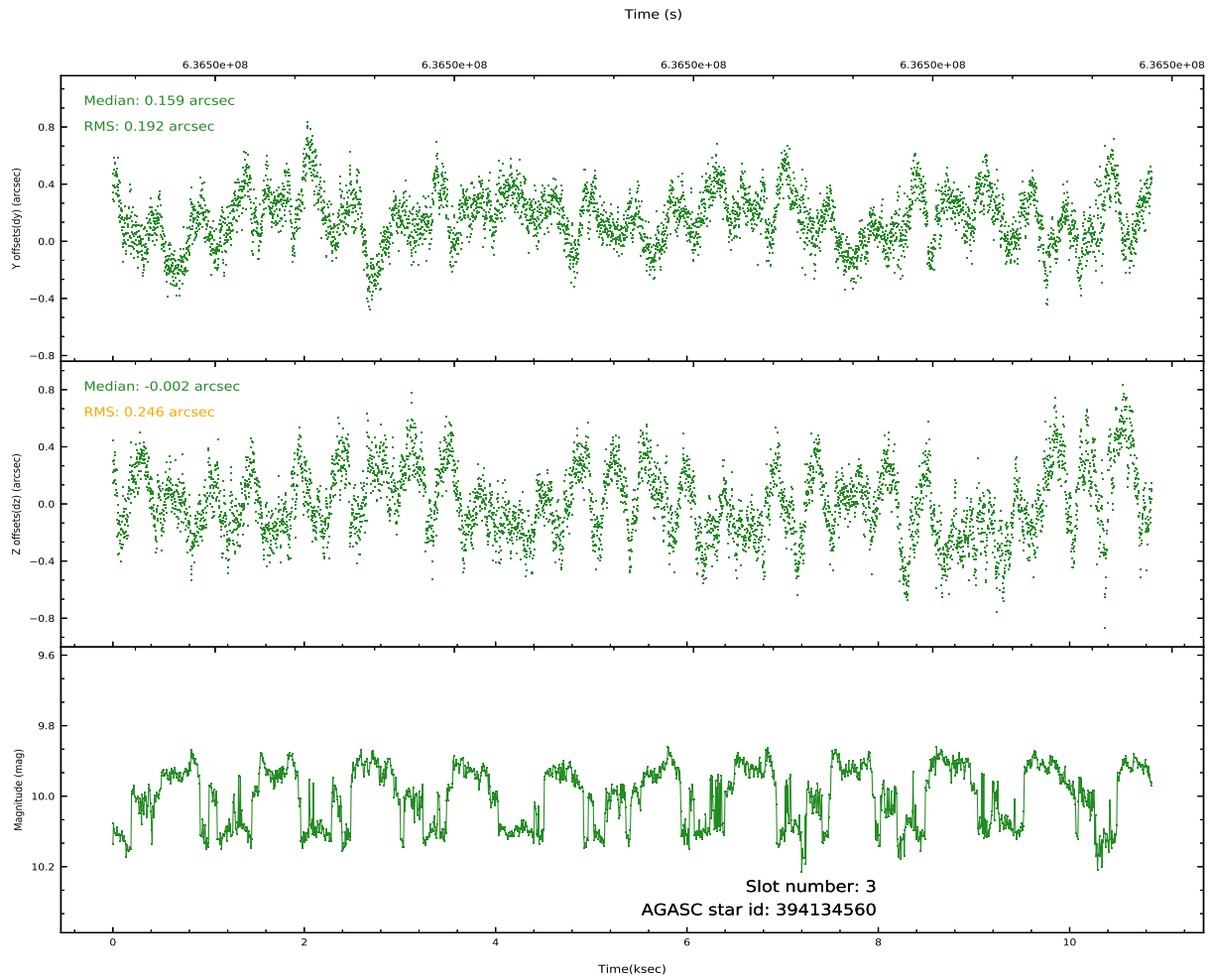
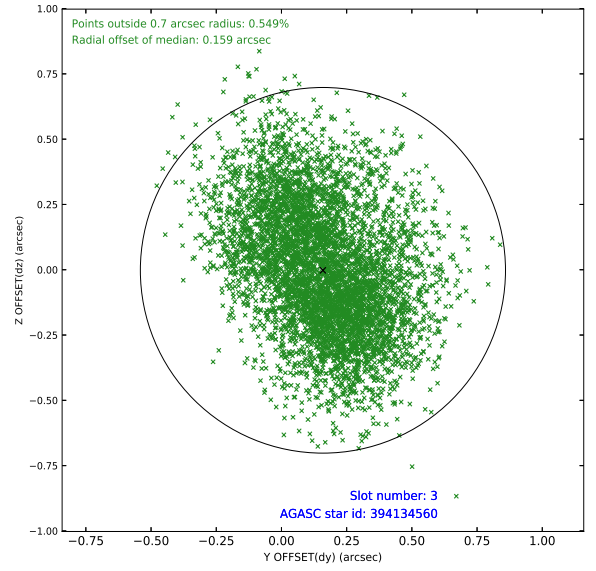
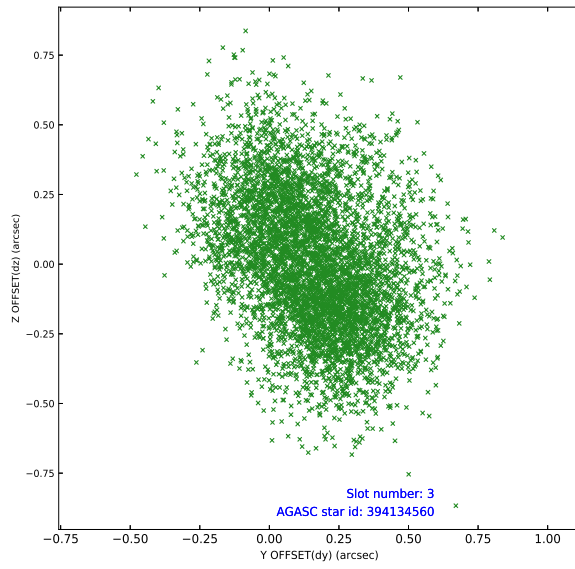


Slot Statistics

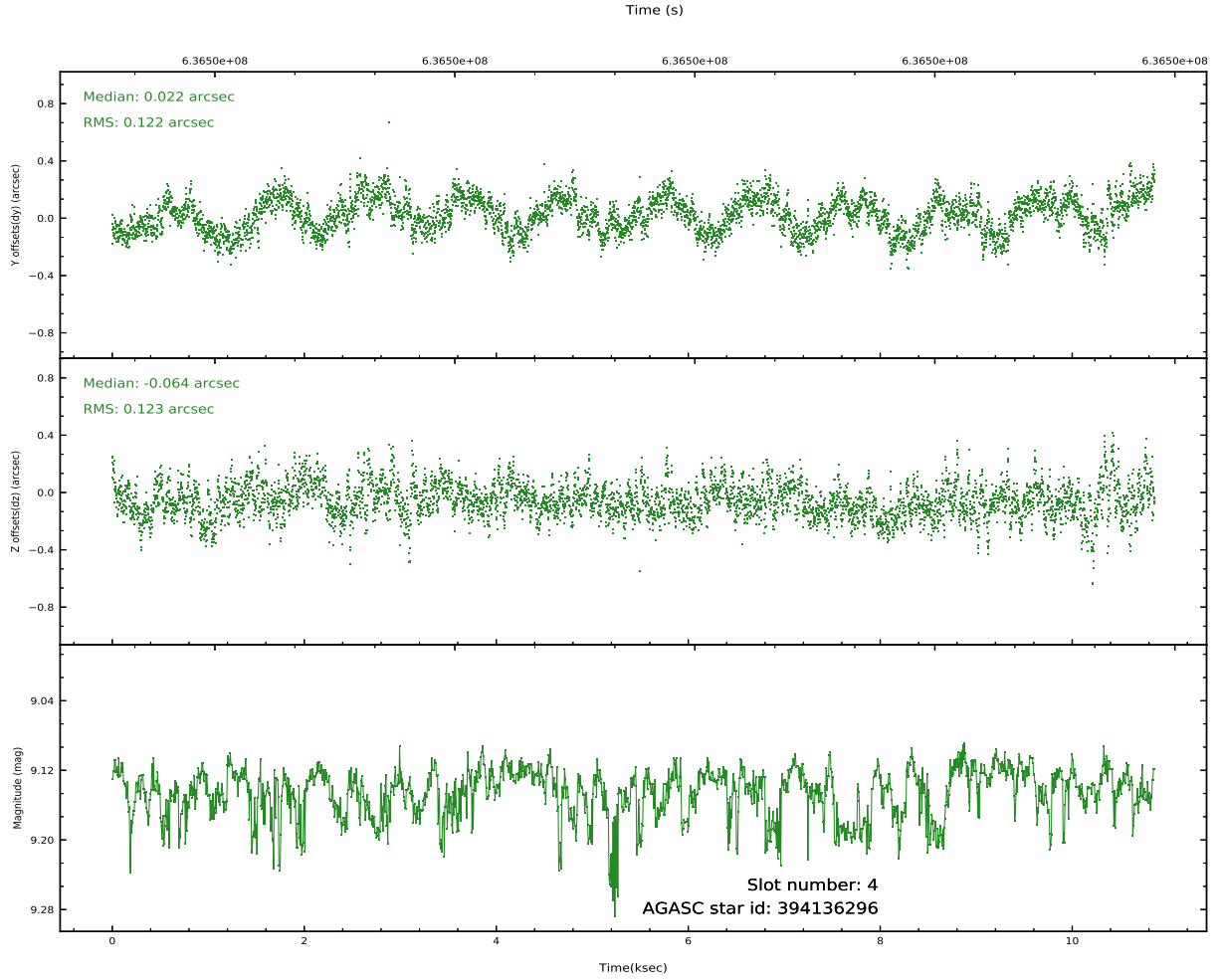
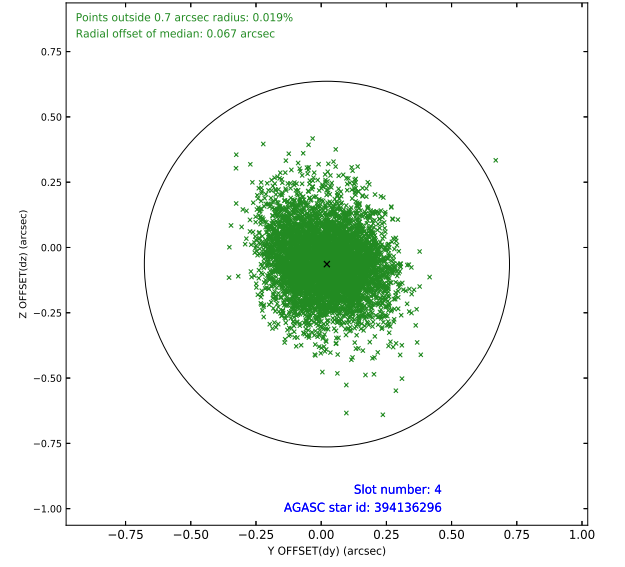
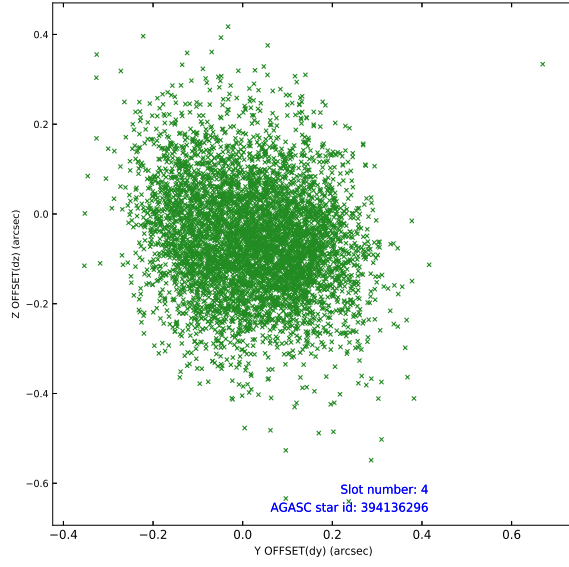
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.07	2648	1.000	0.083	-0.100	0.014	0.026	0.000000	0.000000	-768.99	-1740
1	FID		ACIS-S-4	7.19	2648	1.000	0.148	-0.013	0.014	0.029	0.000000	0.000000	2144.33	167
2	FID		ACIS-S-5	7.17	2648	1.000	-0.263	0.124	0.009	0.015	0.000000	0.000000	-1821.37	161
3	GUIDE	used	394134560	9.98	5281	1.000	0.159	-0.002	0.335	0.530	156.105378	44.021488	1360.12	-1550
4	GUIDE	used	394136296	9.14	5292	1.000	0.022	-0.064	0.183	0.295	156.333977	44.115430	709.46	-1751
5	GUIDE	used	394264872	9.72	5284	1.000	-0.048	0.023	0.312	0.485	157.418154	43.339813	-1455.16	1576
6	GUIDE	used	394269432	9.84	5277	1.000	0.032	0.206	0.206	0.342	157.301069	44.012223	-1656.16	-856
7	GUIDE	used	394271592	9.39	5289	1.000	-0.153	-0.170	0.202	0.354	156.703046	43.600088	173.33	266

2.4 Star Slots

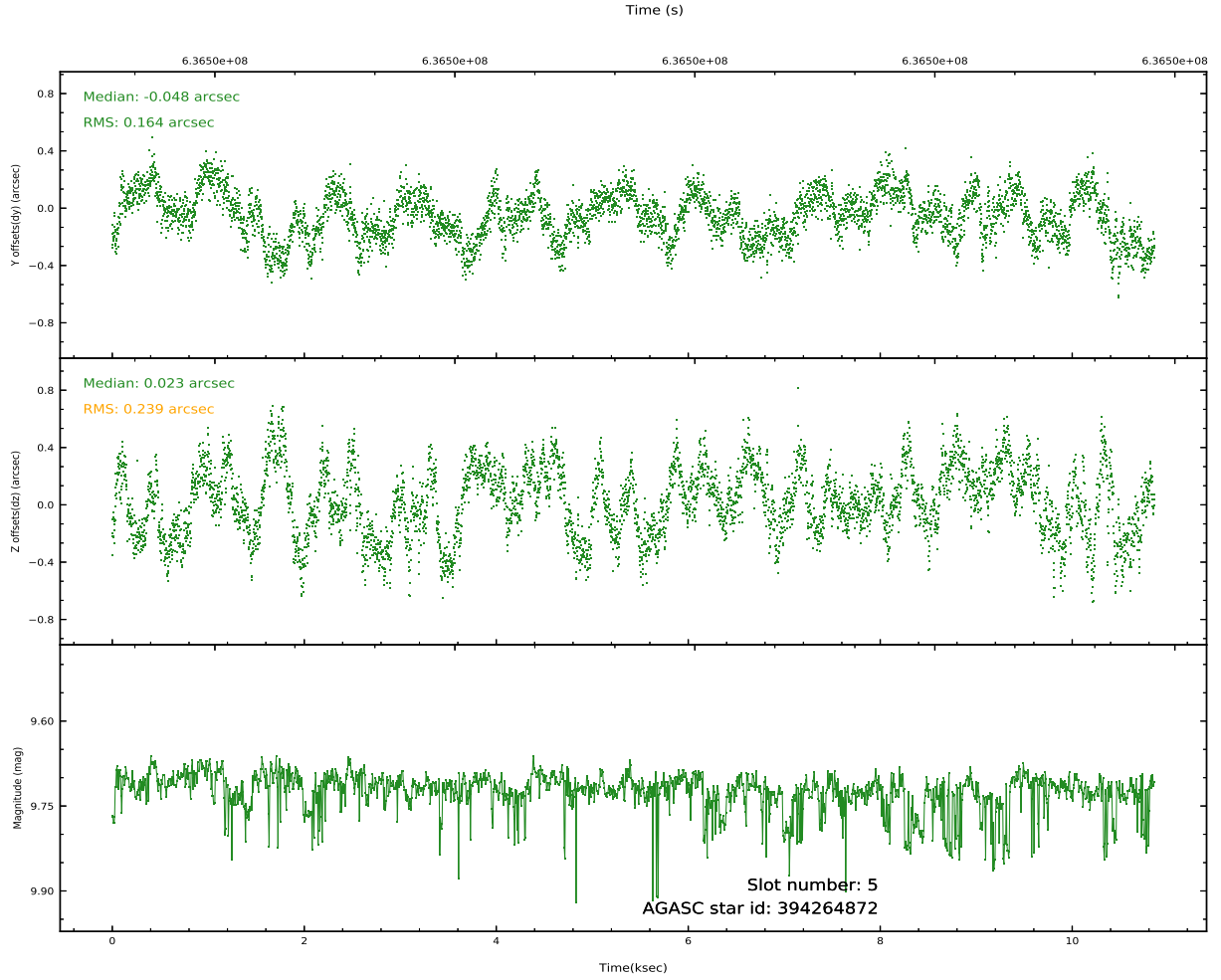
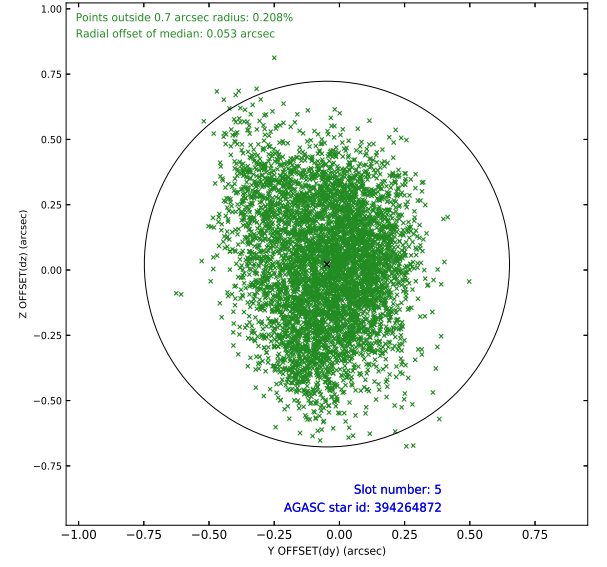
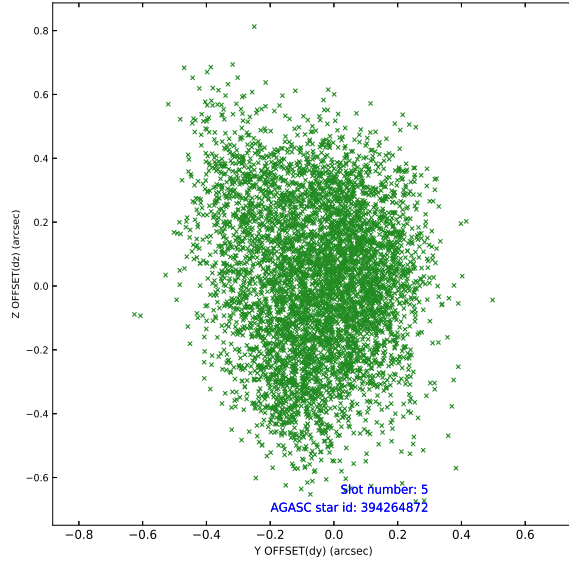
2.4.1 Slot 3



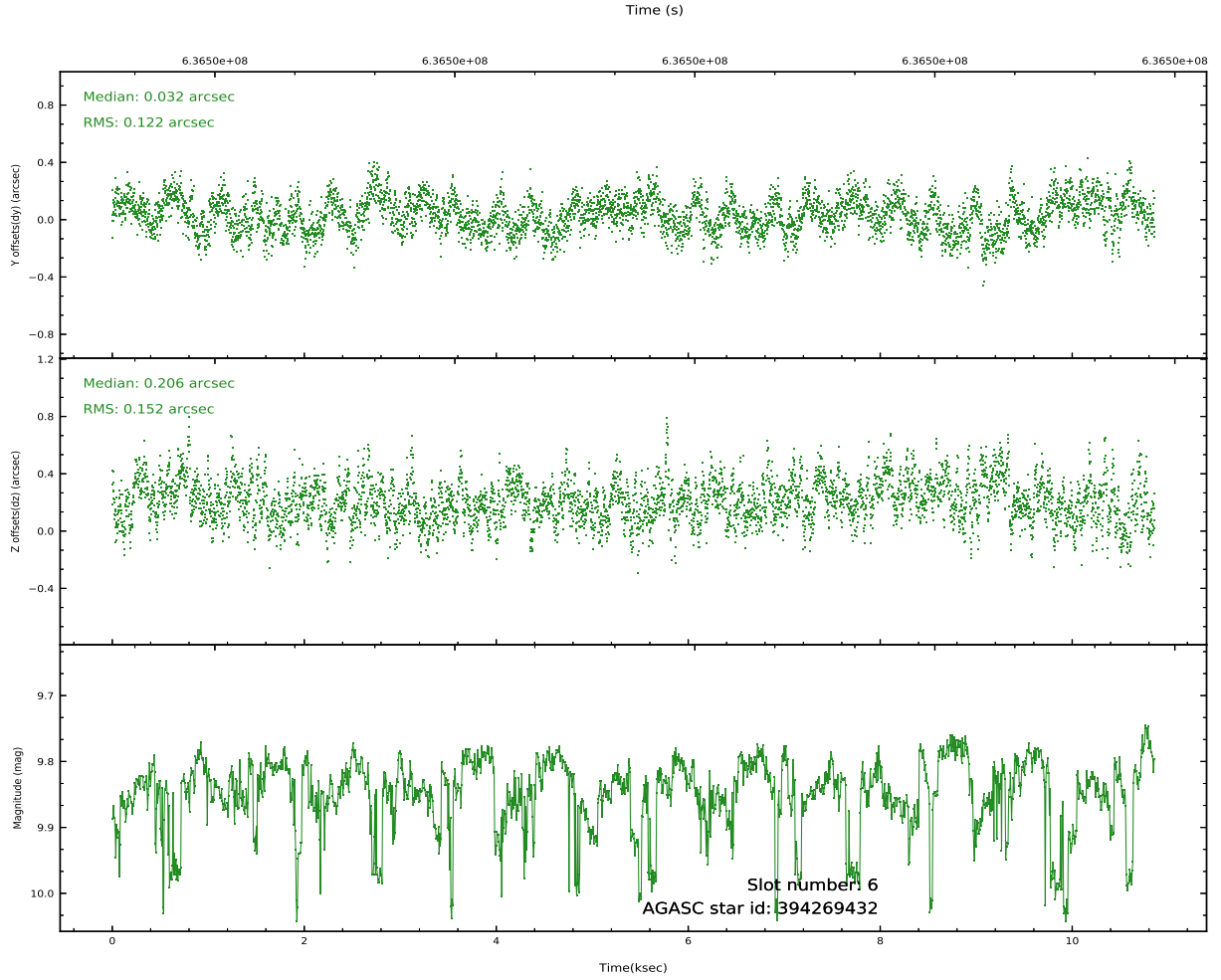
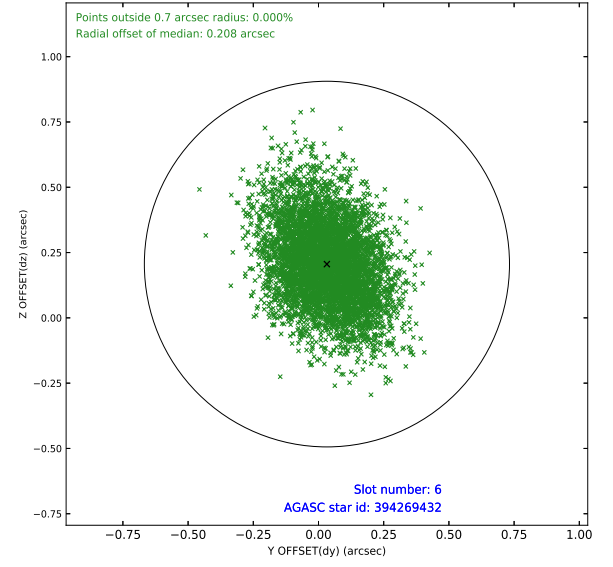
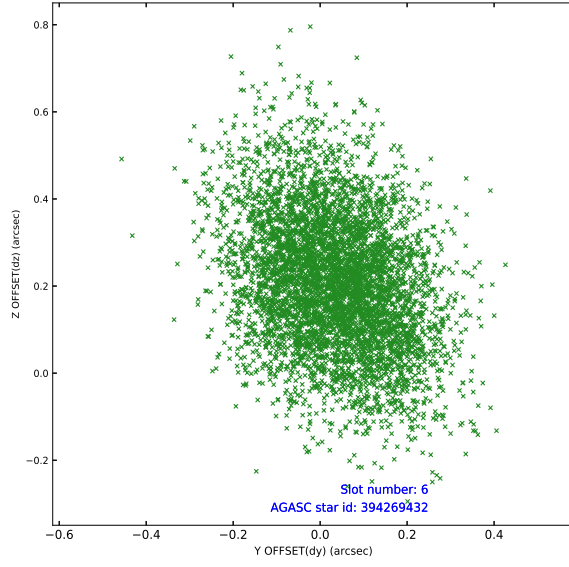
2.4.2 Slot 4



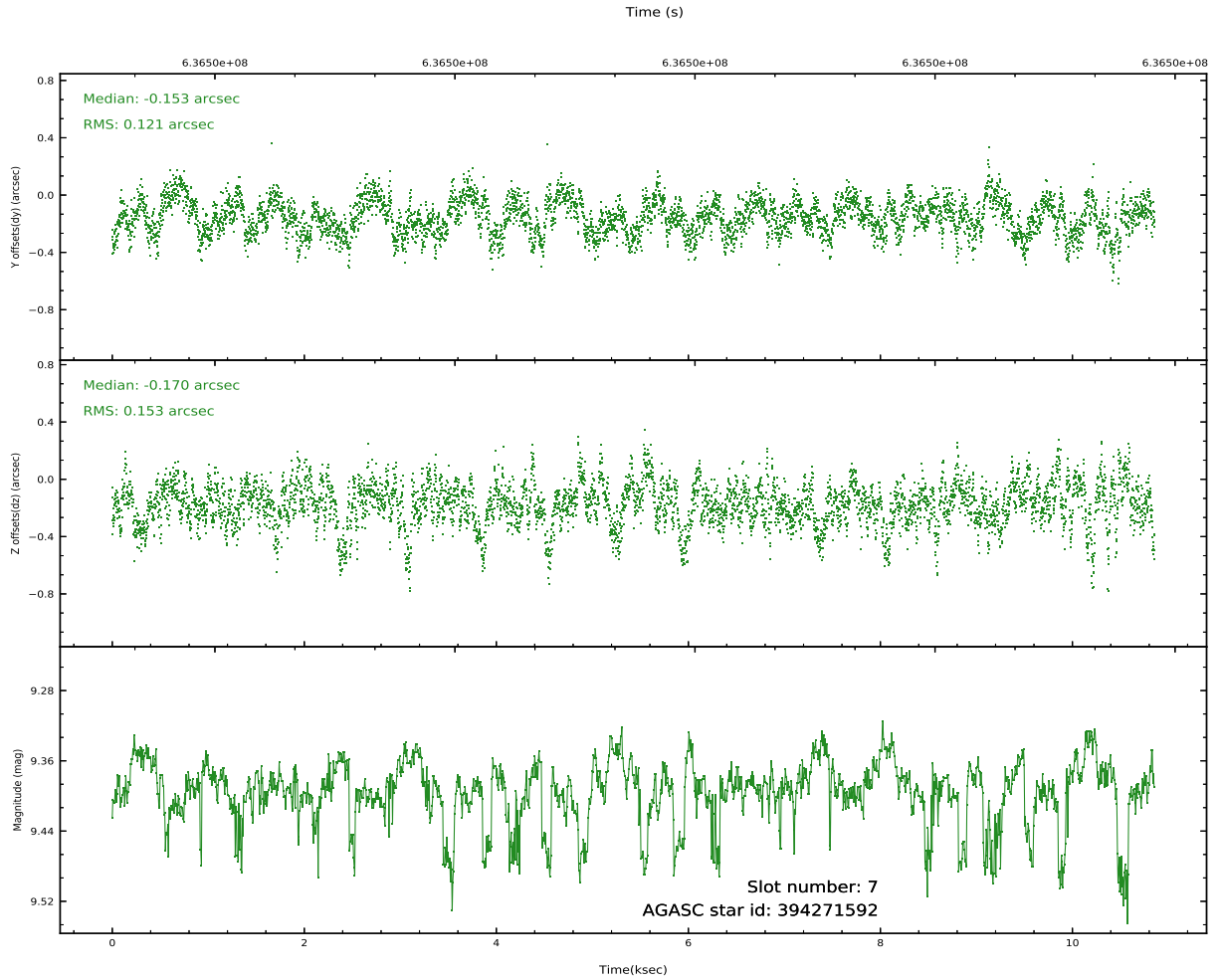
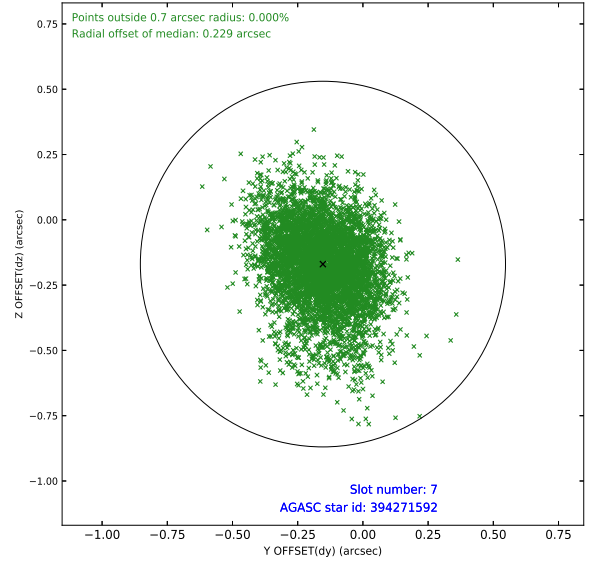
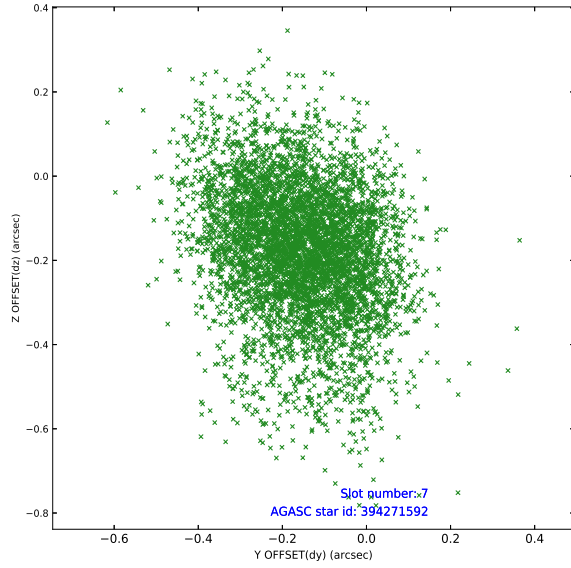
2.4.3 Slot 5



2.4.4 Slot 6

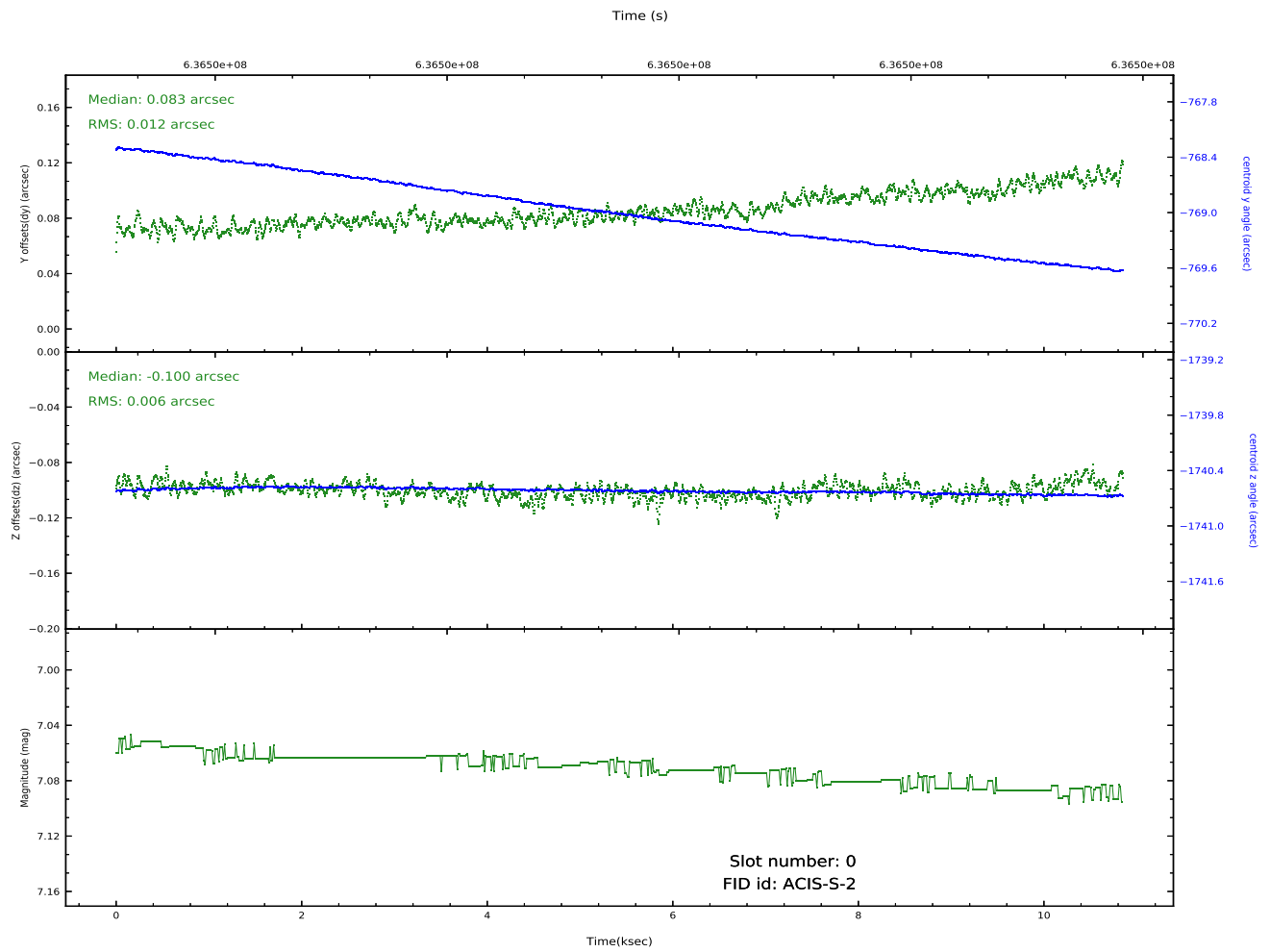
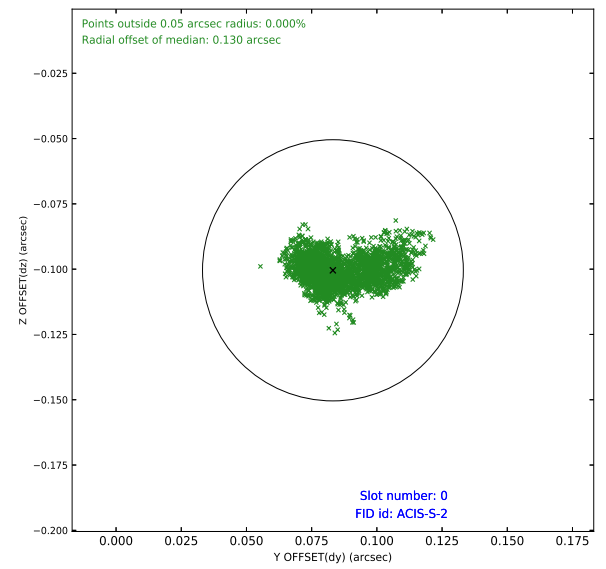
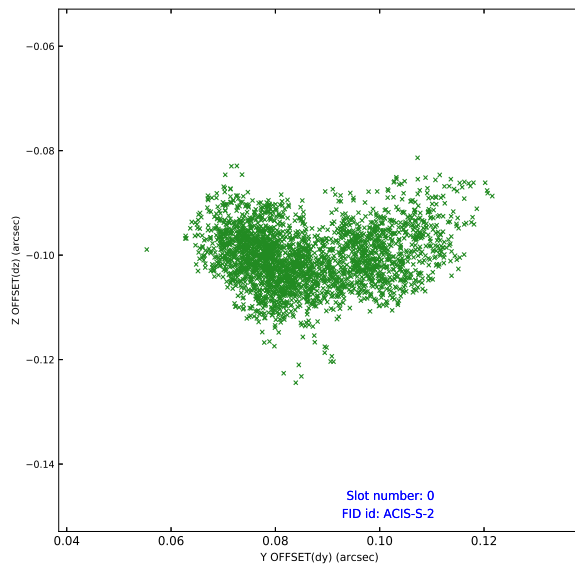


2.4.5 Slot 7

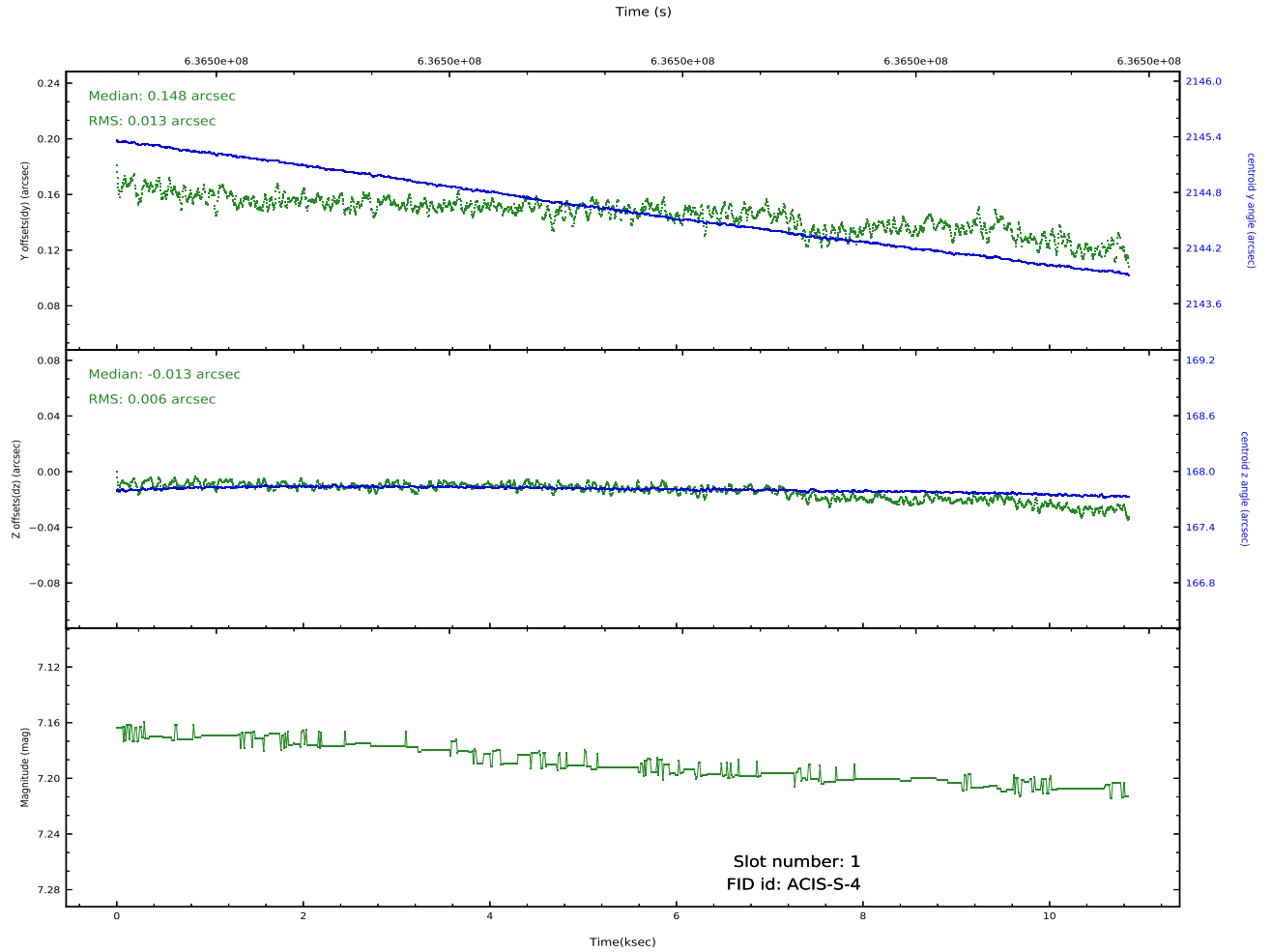
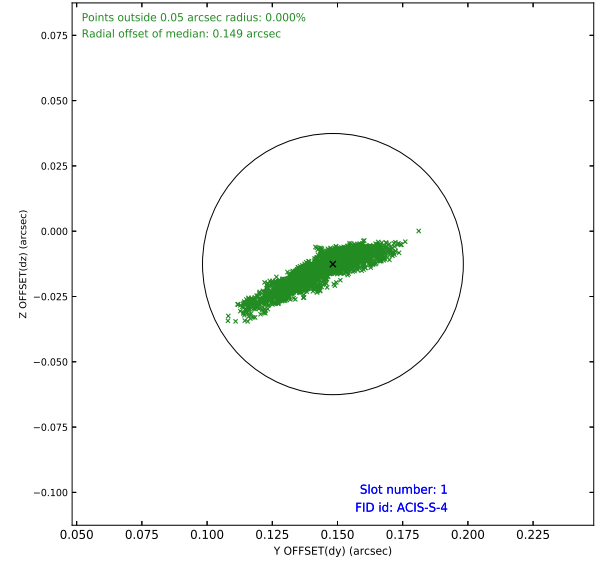
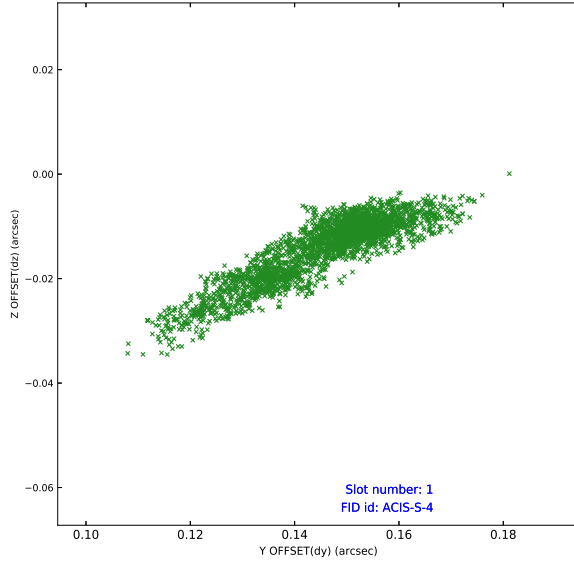


2.5 FID Slots

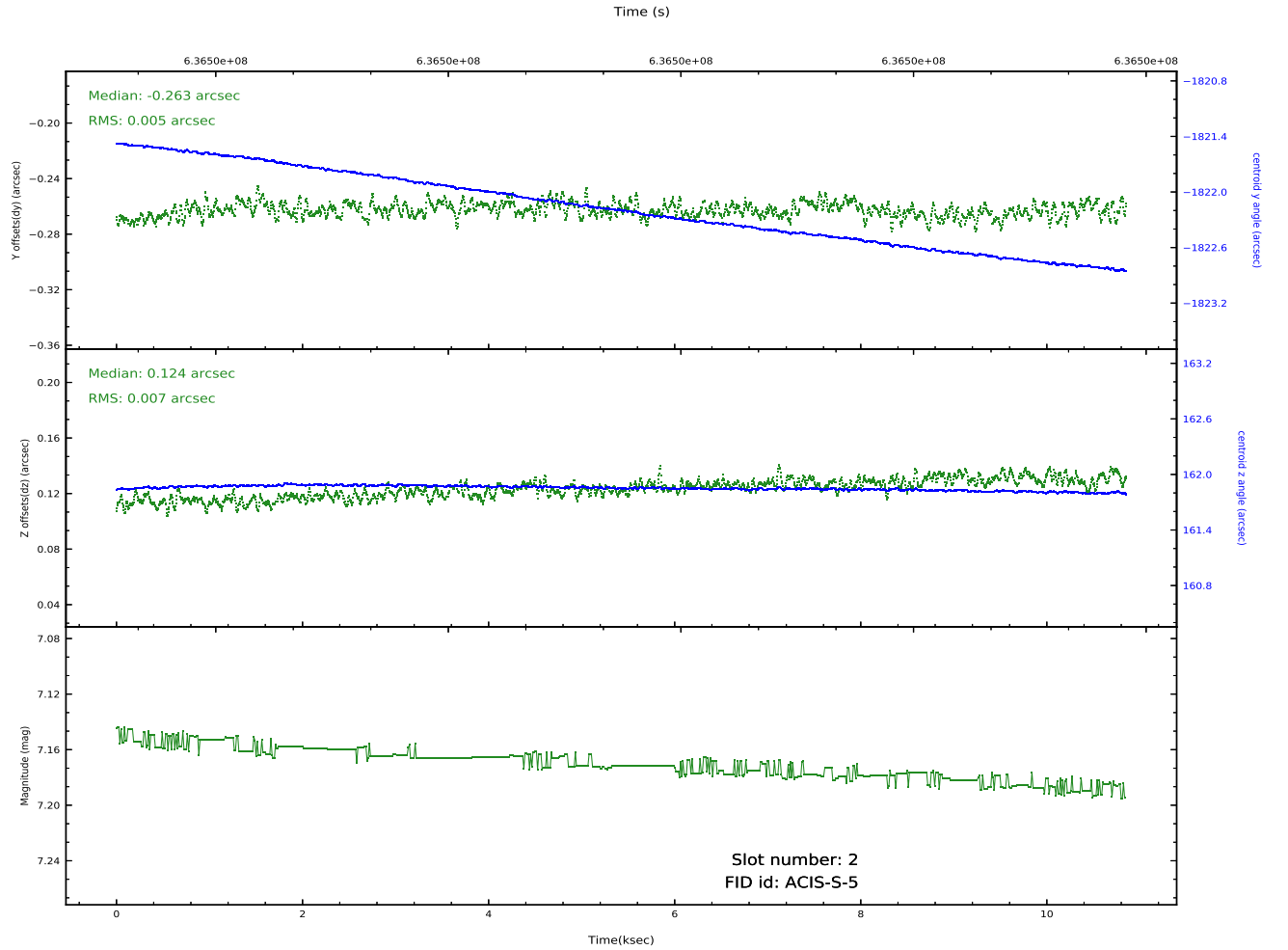
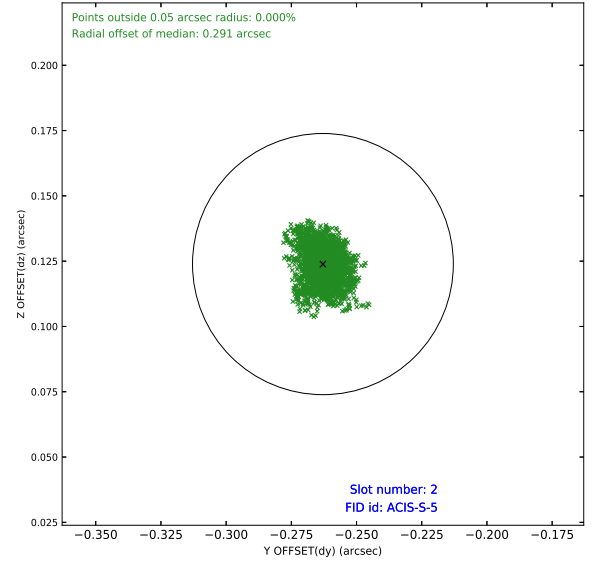
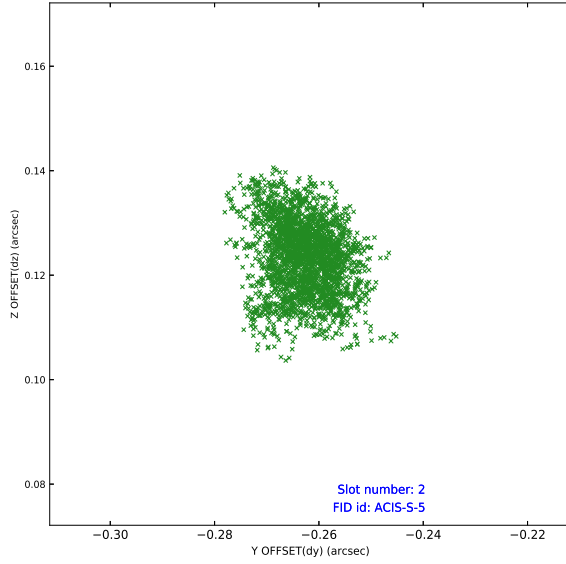
2.5.1 Slot 0



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)	2020.10.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.050200077415

A.2 Comments

One optional chip was dropped.