

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 20312 - L2 Version 2
Chandra X-Ray Center

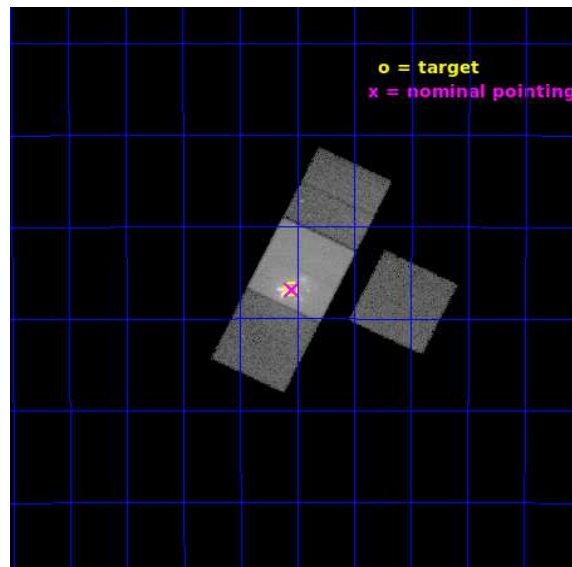
L2 Processing Date : Oct 26 2020

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1 Front

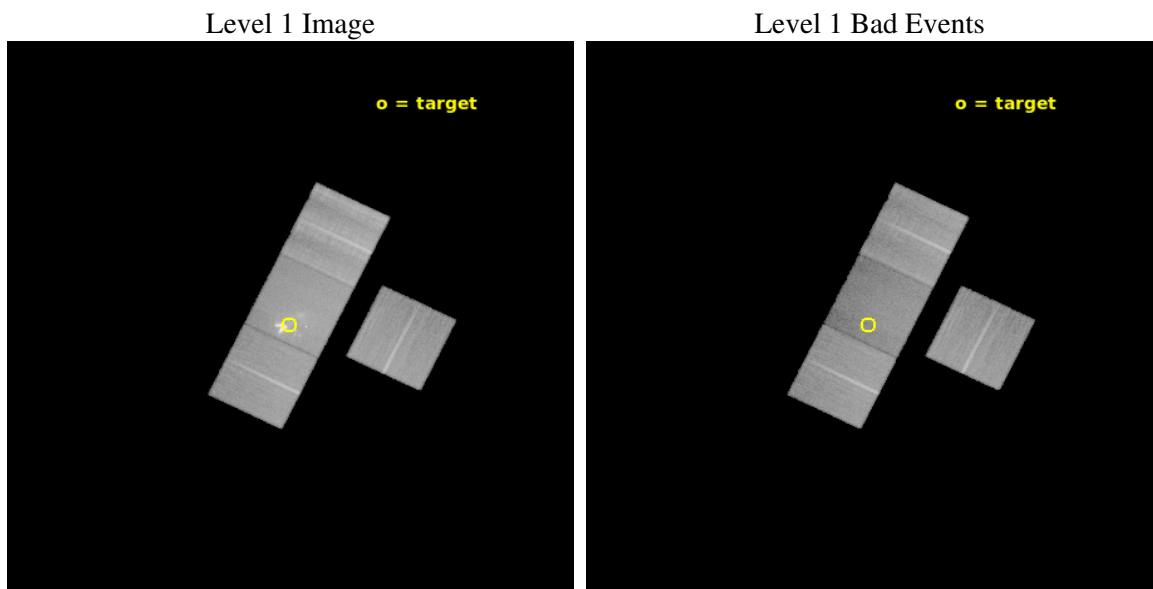
seq_num	503007	Sequence number
obs_id	20312	Observation id
title	The Peculiar, Asymmetric Core-Collapse Supernova Remnant G350.1-0.3	
observer	Stephen Reynolds	Principal investigator
object	G350.1-0.3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	260.2625	Observer's specified target RA [deg]
dec_targ	-37.447222	Observer's specified target Dec [deg]
ra_nom	260.26147790315	Nominal RA [deg]
dec_nom	-37.447644862822	Nominal Dec [deg]
roll_nom	296.15054613276	Nominal Roll [deg]
revision	2	Processing version of data
ontime	41115.300316334	Sum of GTIs [s]
livetime	40578.098649057	Livetime [s]
ontime3	41105.877185106	Sum of GTIs [s]
ontime6	41109.01817596	Sum of GTIs [s]
ontime7	41115.300316334	Sum of GTIs [s]
ontime8	41108.982992649	Sum of GTIs [s]
l2events	290340	Number of level 2 events



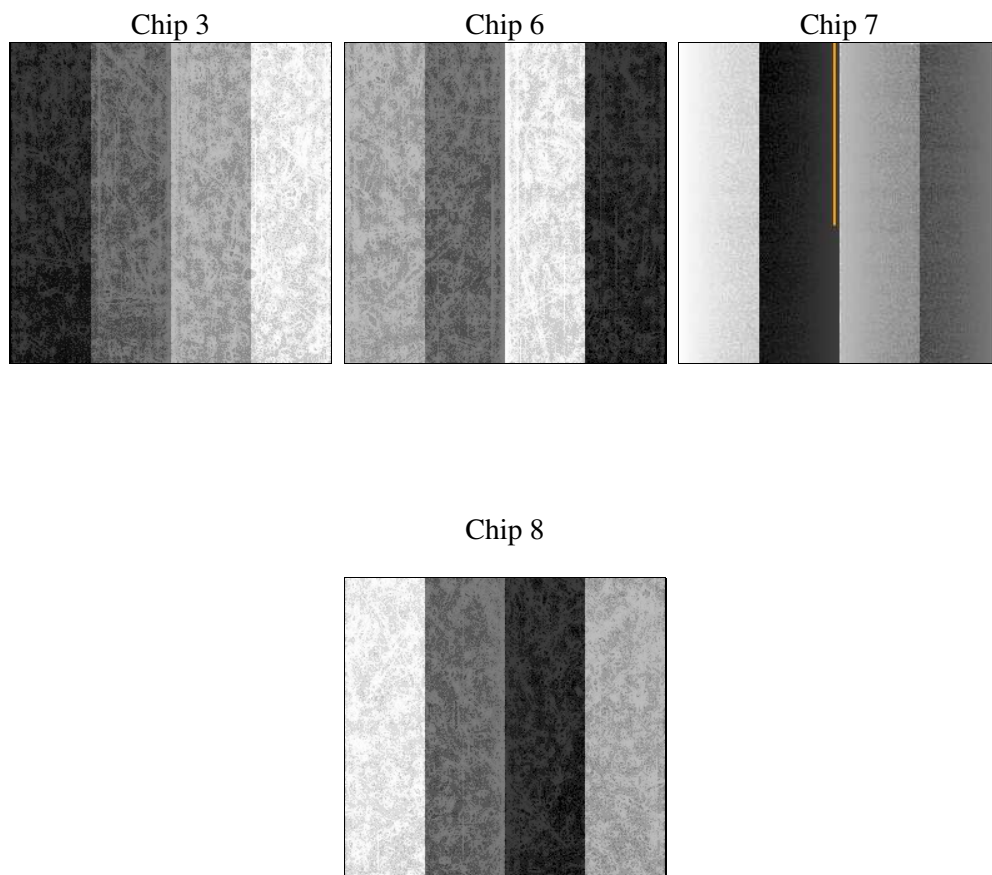
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	41000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.2	Processing system revision	ontime	41115.300316334	Sum of GTIs [s]
caldsver	4.9.3	 	ontime3	41105.877185106	Sum of GTIs [s]
date	2020-10-26T16:24:07	Date and time of file creation	ontime6	41109.01817596	Sum of GTIs [s]
revision	2	Processing version of data	ontime7	41115.300316334	Sum of GTIs [s]
			ontime8	41108.982992649	Sum of GTIs [s]
			l1events	1284900	Number of level 1 events

2.1.4 Events

	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	272422	290907	358223	363348
rejected events	242887	255698	155275	262012
rejected %	89%	87%	43%	72%

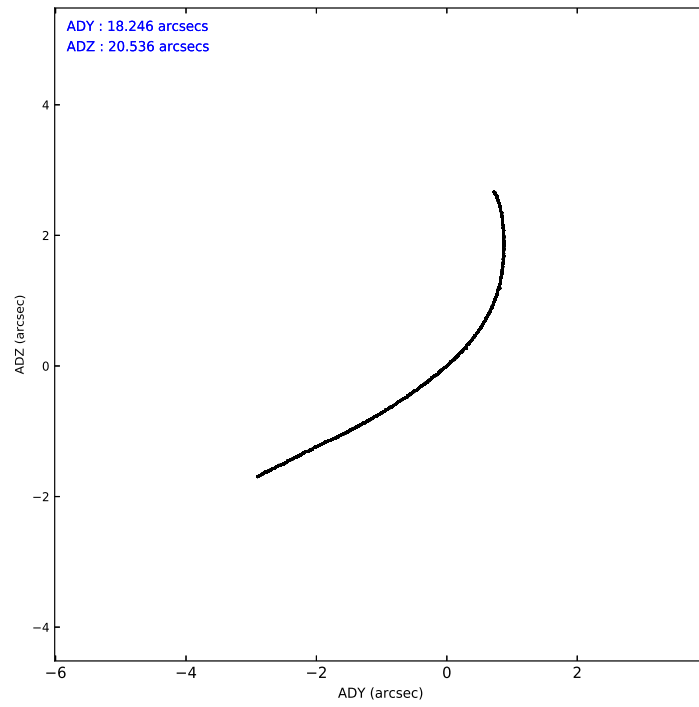
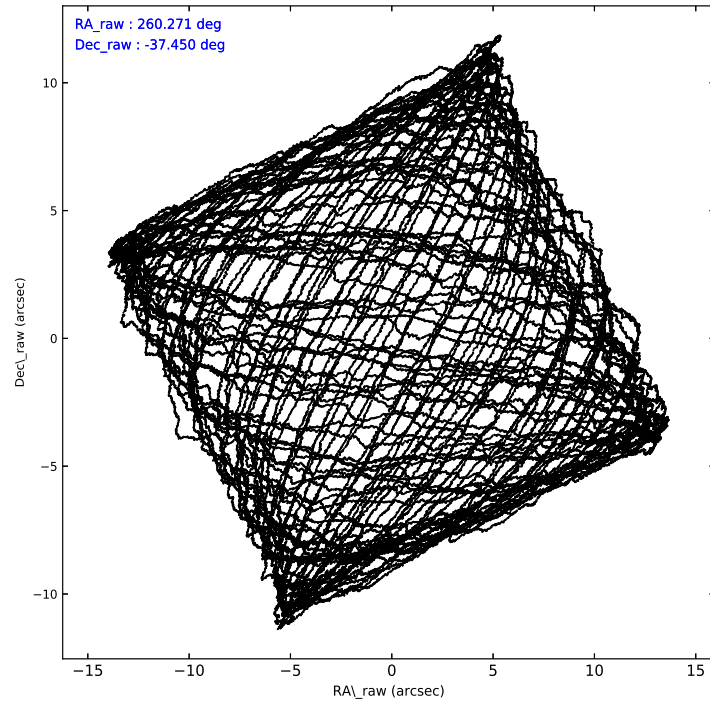
	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	11307	13894	24961	23743
	4%	4%	6%	6%
grade 1 events	149	140	378	267
	0%	0%	0%	0%
grade 2 events	6411	8094	46117	26538
	2%	2%	12%	7%
grade 3 events	3141	3087	18502	11273
	1%	1%	5%	3%
grade 4 events	3071	3151	18579	10352
	1%	1%	5%	2%
grade 5 events	10596	10740	31217	17394
	3%	3%	8%	4%
grade 6 events	5605	6985	94804	29431
	2%	2%	26%	8%
grade 7 events	232142	244816	123665	244350
	85%	84%	34%	67%

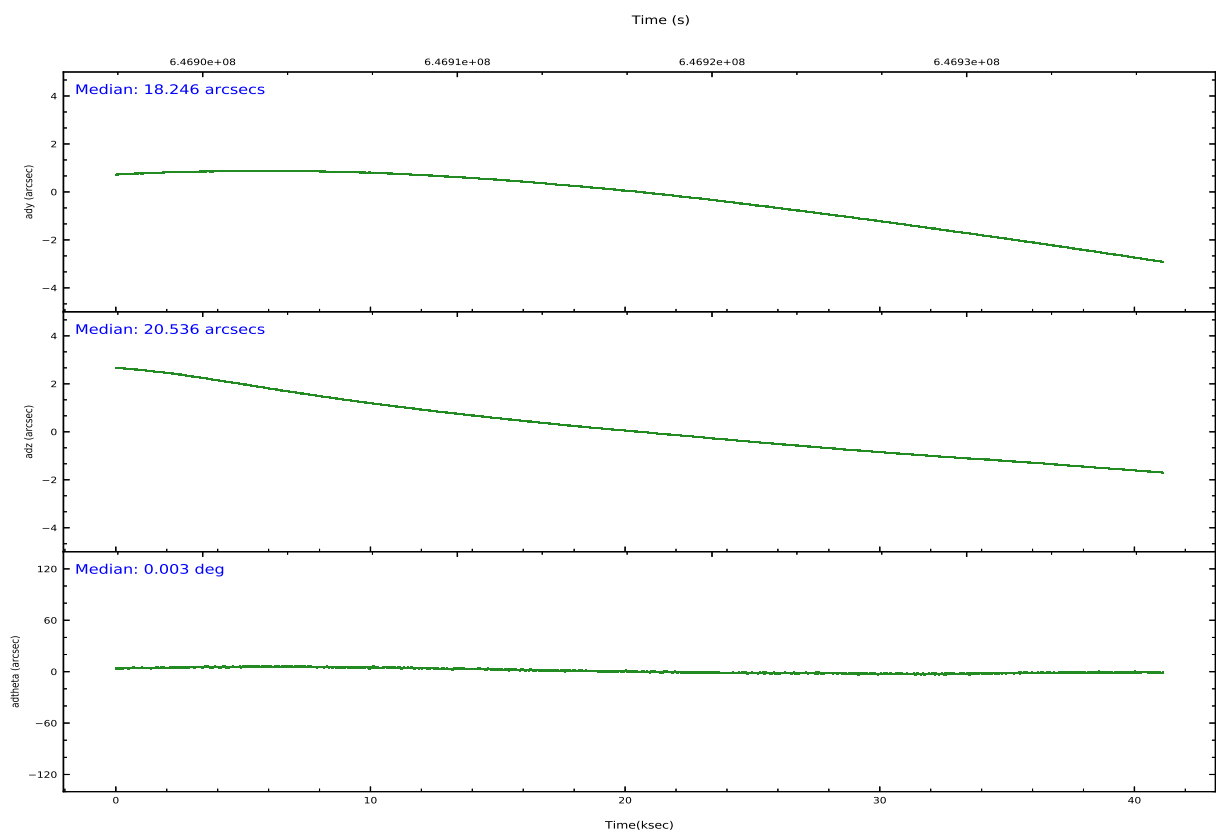
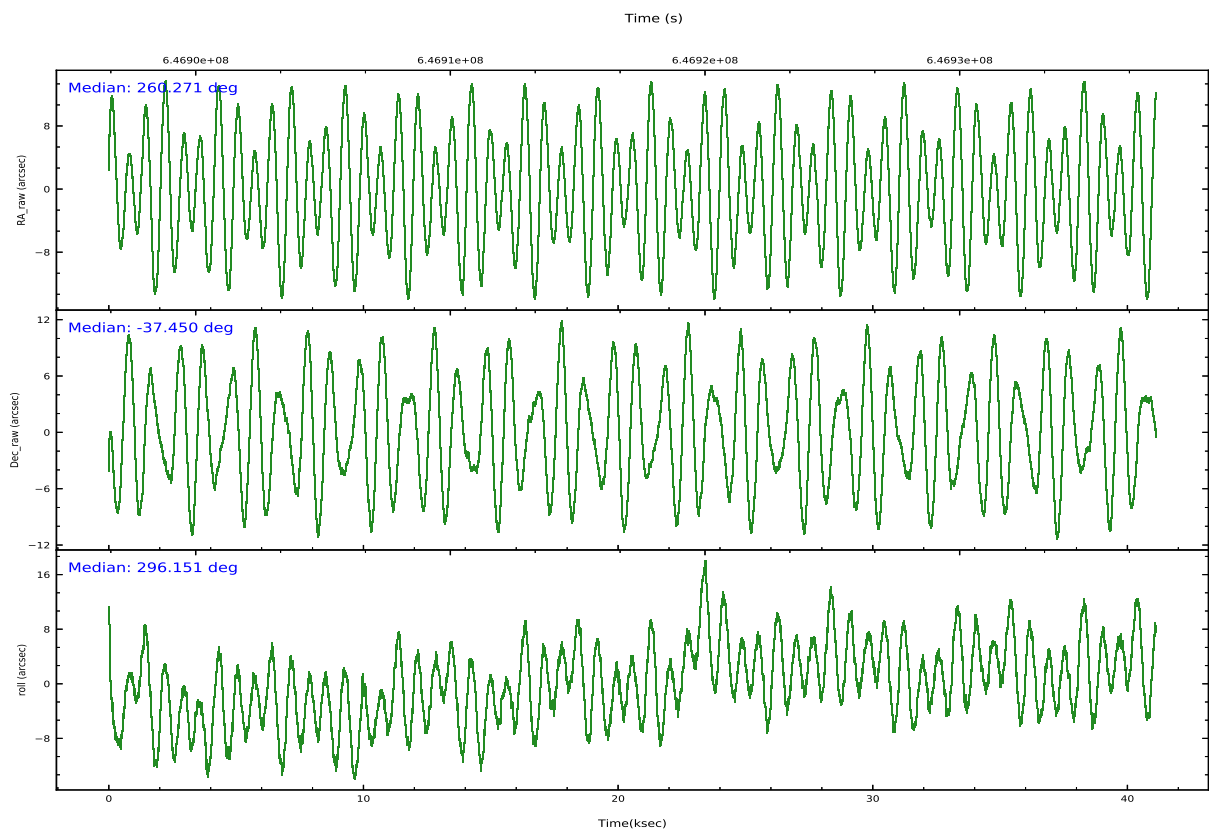
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-3678	ACIS-3678
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	260.242146	260.26147790315
[deg] Pointing Dec	-37.434692	-37.447644862822
[deg] Pointing Roll	295.987623	296.15054613276
[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)	646896717.184000	646895500.04353
Observation start date	2018-07-02T05:30:48	2018-07-02T05:11:40
[s] Observation end time (MET)	646937717.184000	646939011.8085999
Observation end date	2018-07-02T16:54:08	2018-07-02T17:16:51
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar version number	8	8
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
CCD I0 on	N	N
CCD I1 on	N	N
CCD I2 on	O1	N
CCD I3 on	Y	Y
CCD S0 on	N	N
CCD S1 on	N	N
CCD S2 on	Y	Y
CCD S3 on	Y	Y
CCD S4 on	Y	Y
CCD S5 on	N	N
Number of optional ACIS chips dropped	1	1
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.1

2.3 Aspect



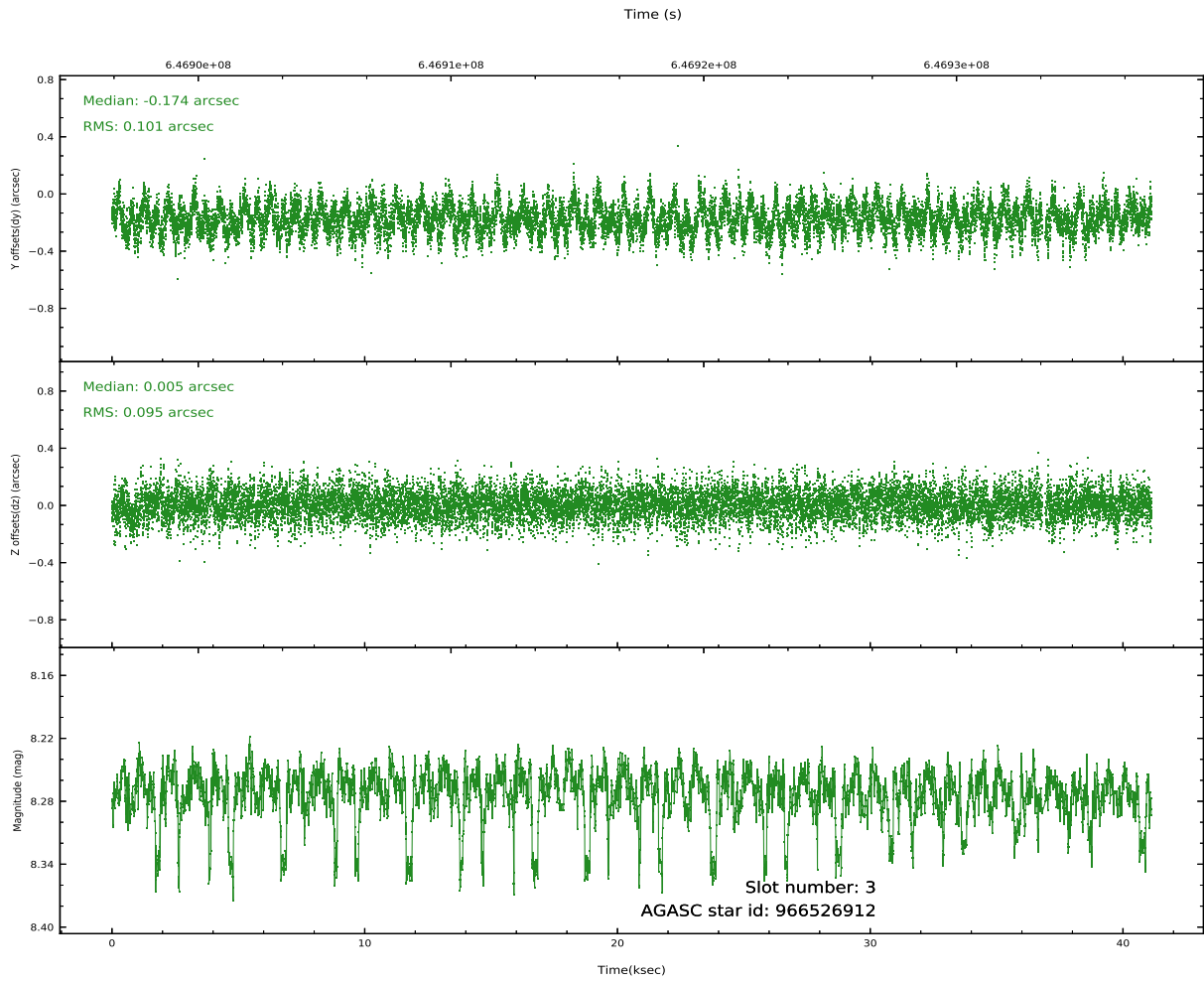
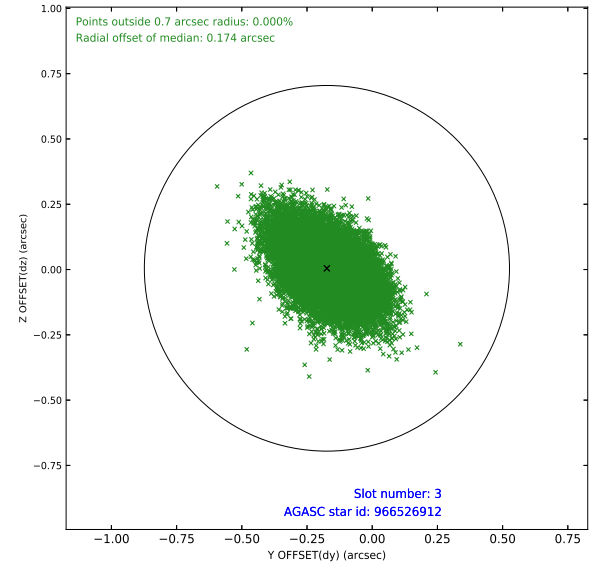
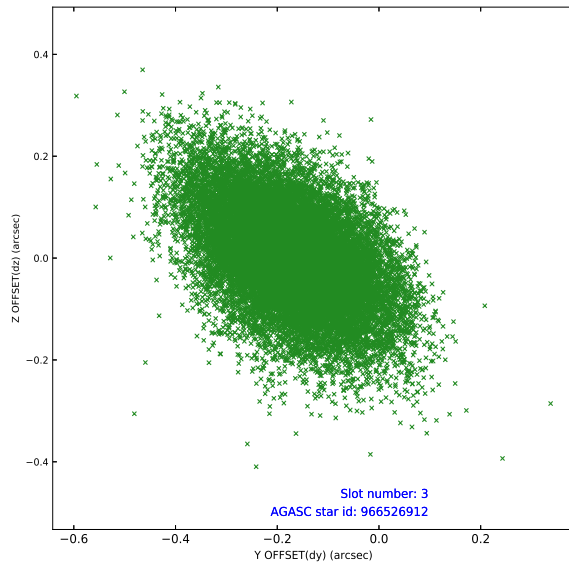


Slot Statistics

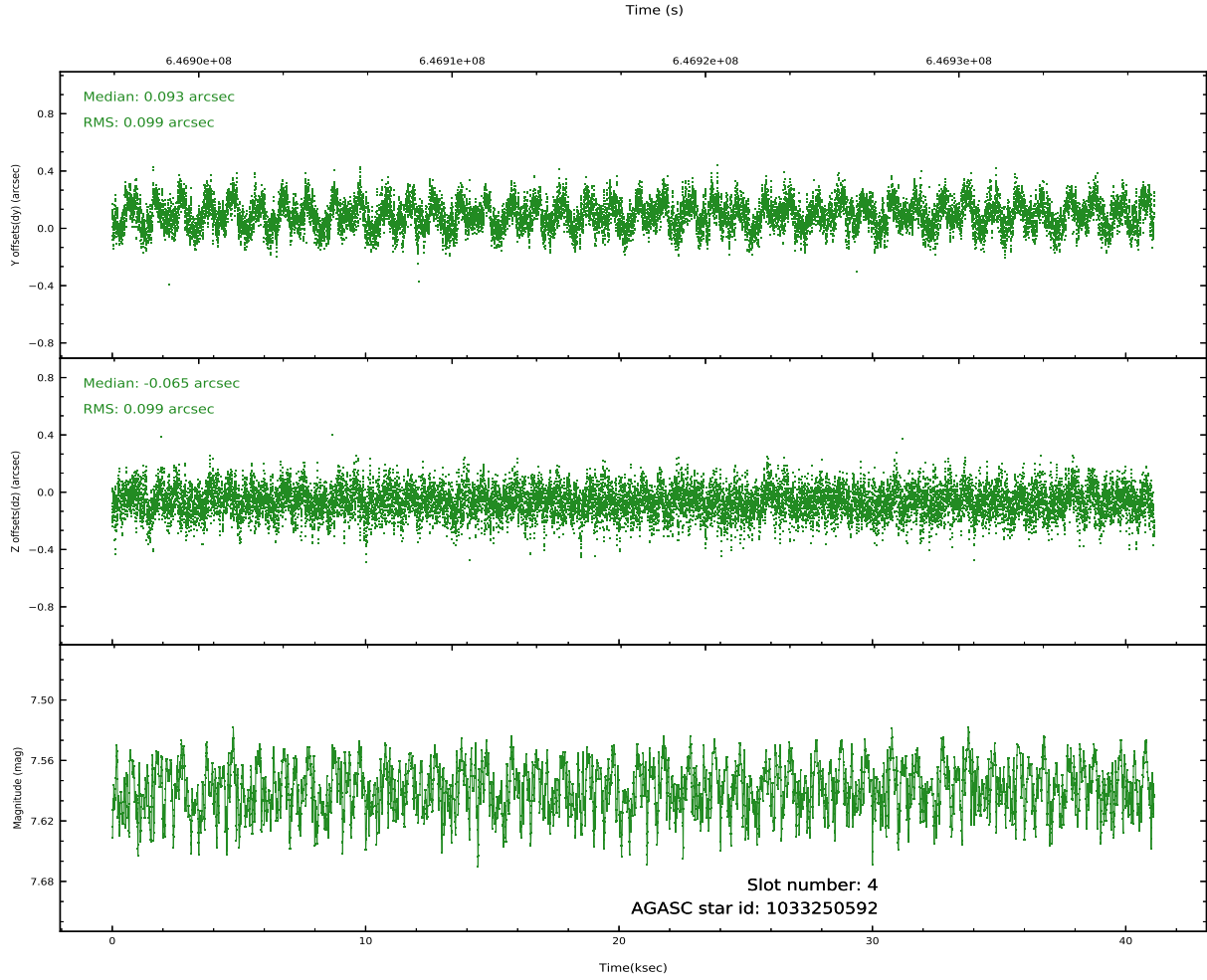
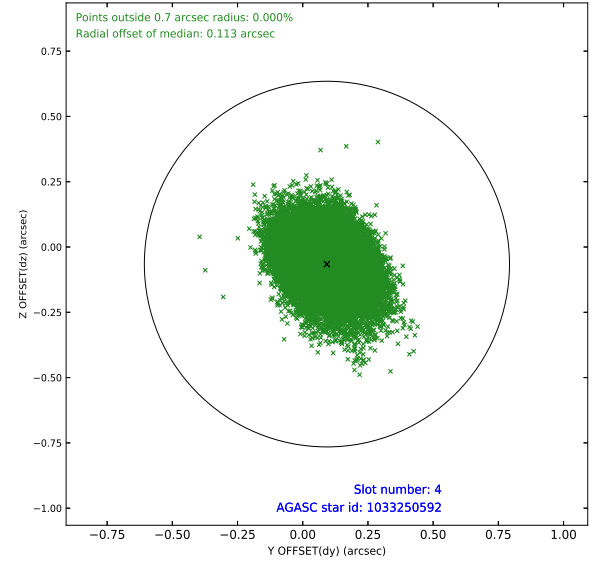
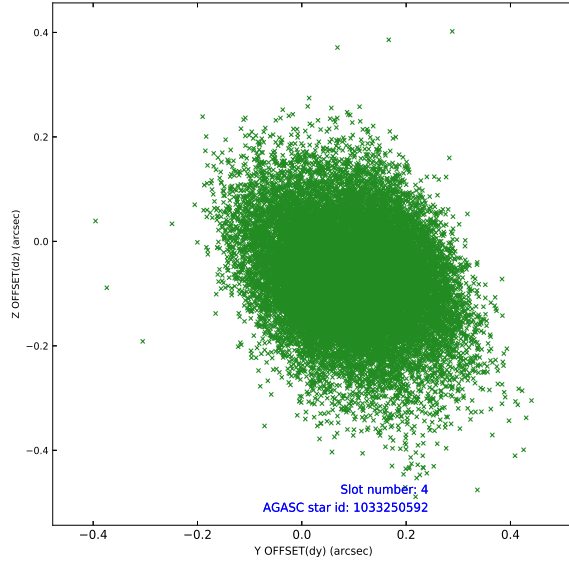
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.03	10032	1.000	0.110	-0.089	0.025	0.042	0.000000	0.000000	-771.04	-1742
1	FID		ACIS-S-4	7.13	10031	1.000	0.124	-0.026	0.013	0.026	0.000000	0.000000	2142.49	165
2	FID		ACIS-S-5	7.12	10032	1.000	-0.264	0.123	0.016	0.037	0.000000	0.000000	-1824.00	160
3	GUIDE	used	966526912	8.27	19993	1.000	-0.174	0.005	0.144	0.248	260.589606	-37.083992	-695.99	1449
4	GUIDE	used	1033250592	7.59	20060	1.000	0.093	-0.065	0.150	0.240	260.179016	-38.020595	1818.20	-1084
5	GUIDE	used	966526680	8.98	20045	1.000	0.054	0.252	0.153	0.252	259.712281	-37.092655	-1768.96	-829
6	GUIDE	used	966526152	8.61	20045	1.000	-0.043	-0.110	0.149	0.258	260.874678	-37.077581	-354.16	2193
7	GUIDE	used	1031544424	8.45	20047	1.000	0.075	-0.079	0.160	0.262	259.780458	-38.098548	1578.97	-2224

2.4 Star Slots

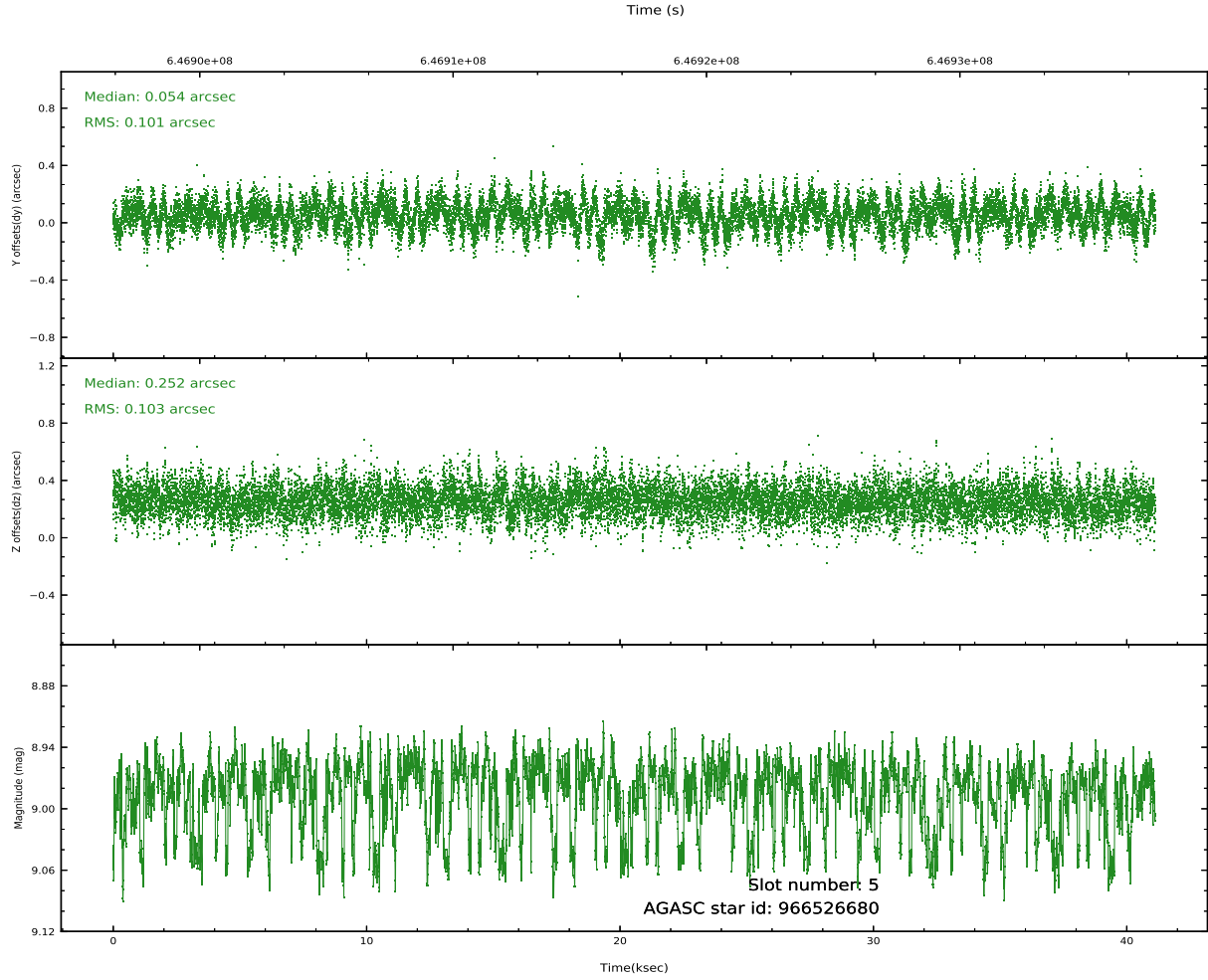
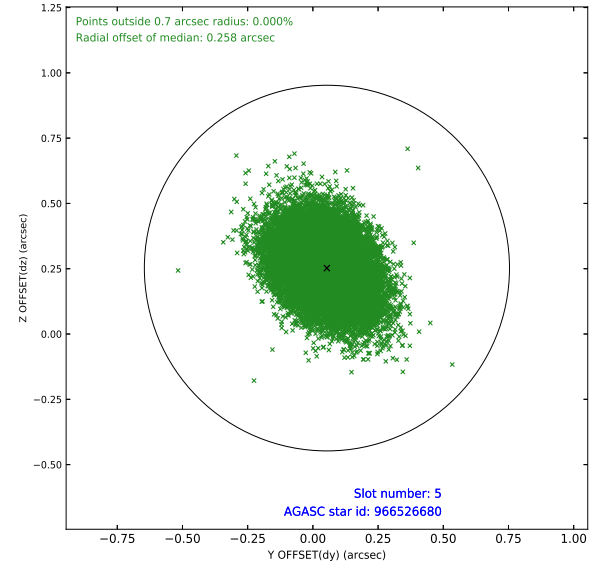
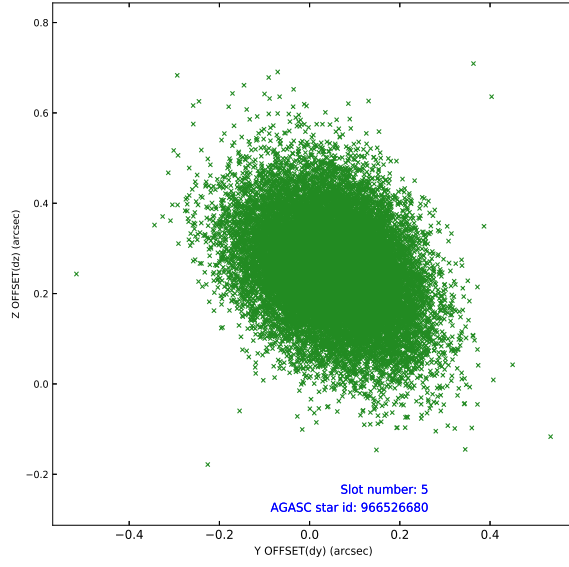
2.4.1 Slot 3



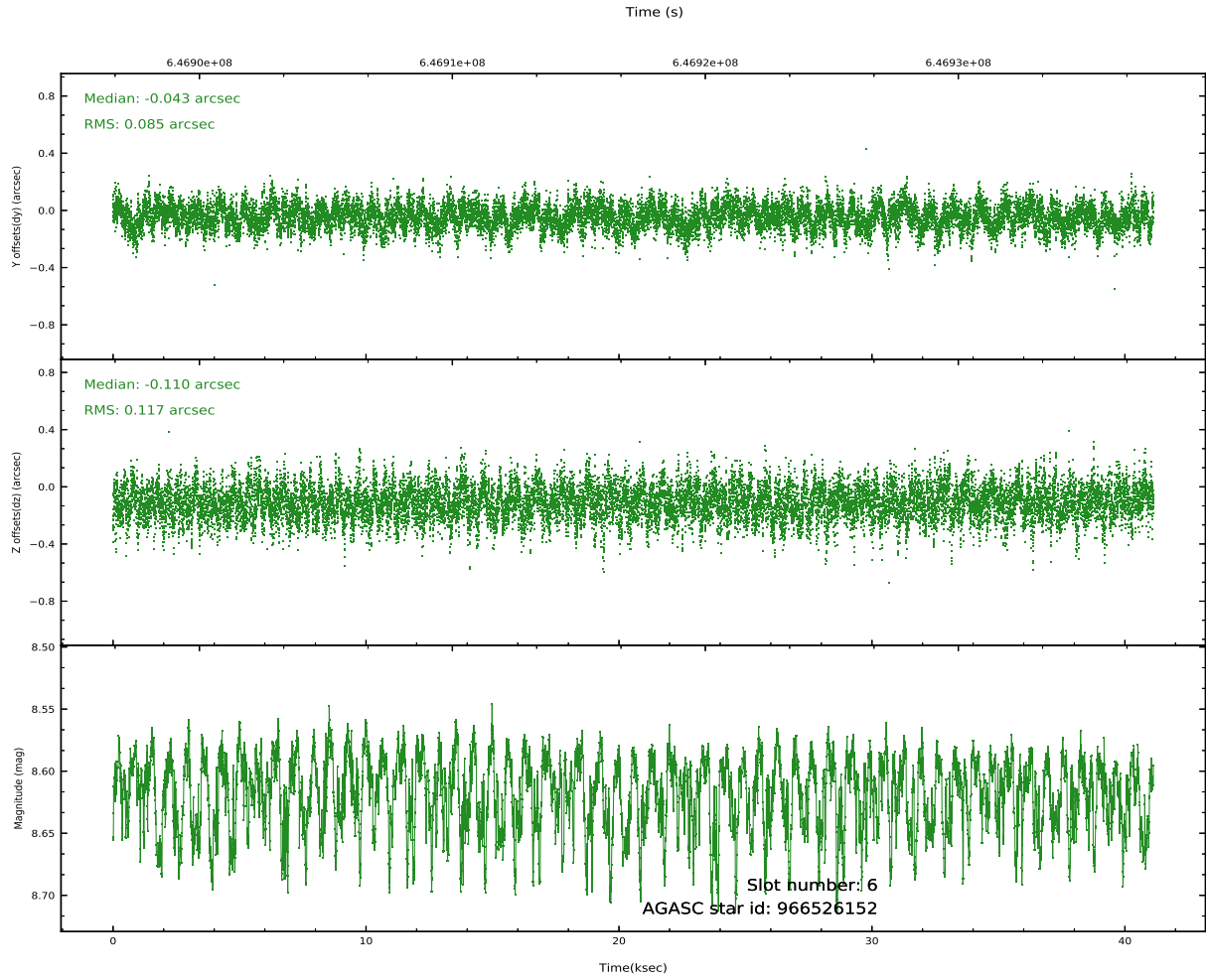
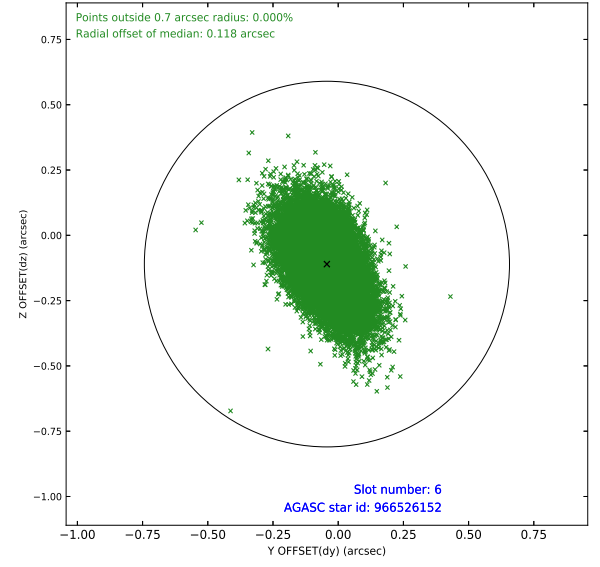
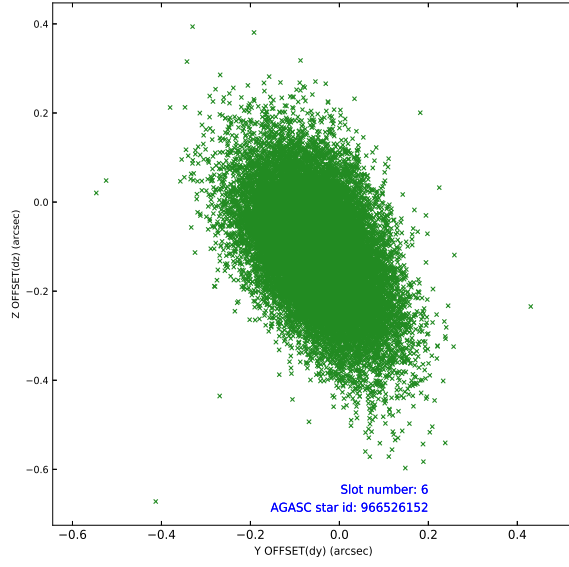
2.4.2 Slot 4



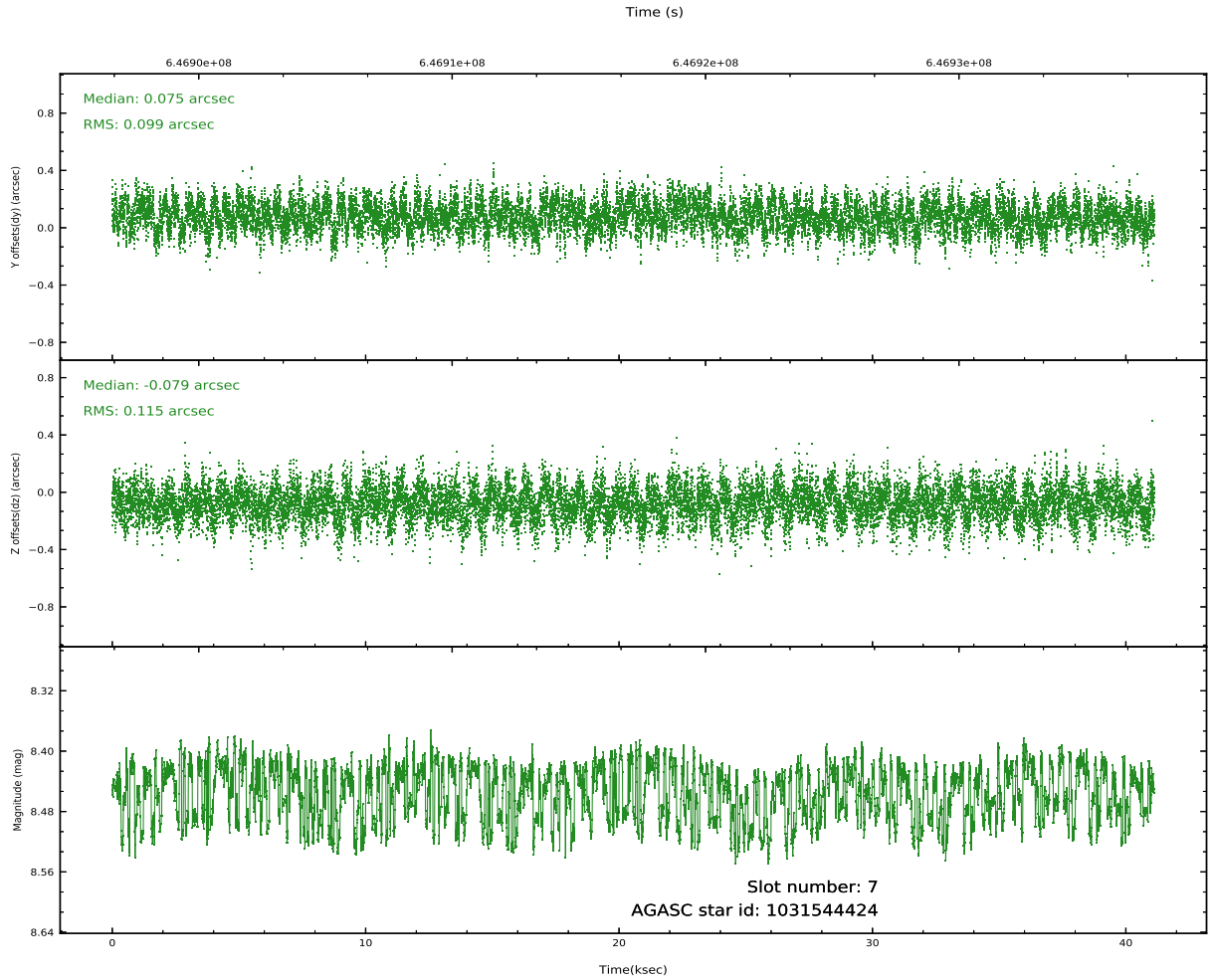
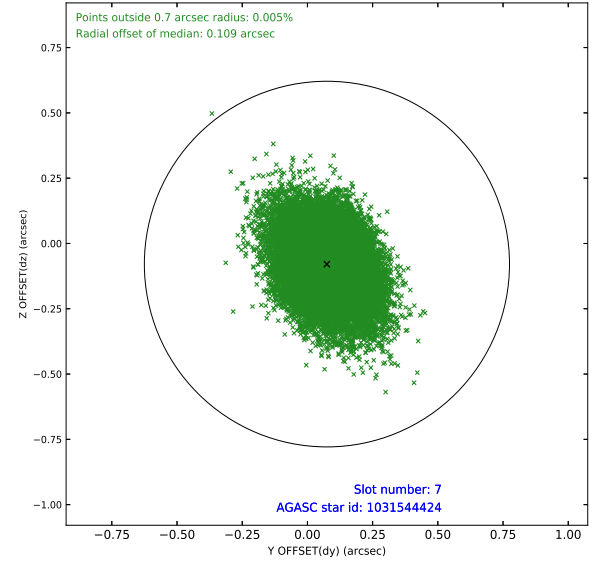
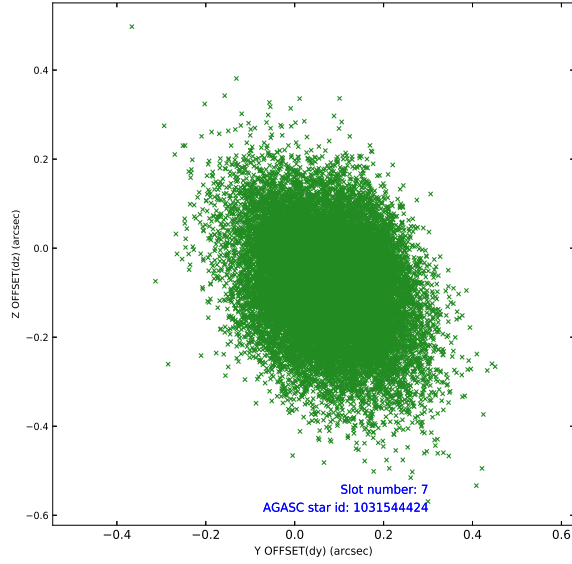
2.4.3 Slot 5



2.4.4 Slot 6

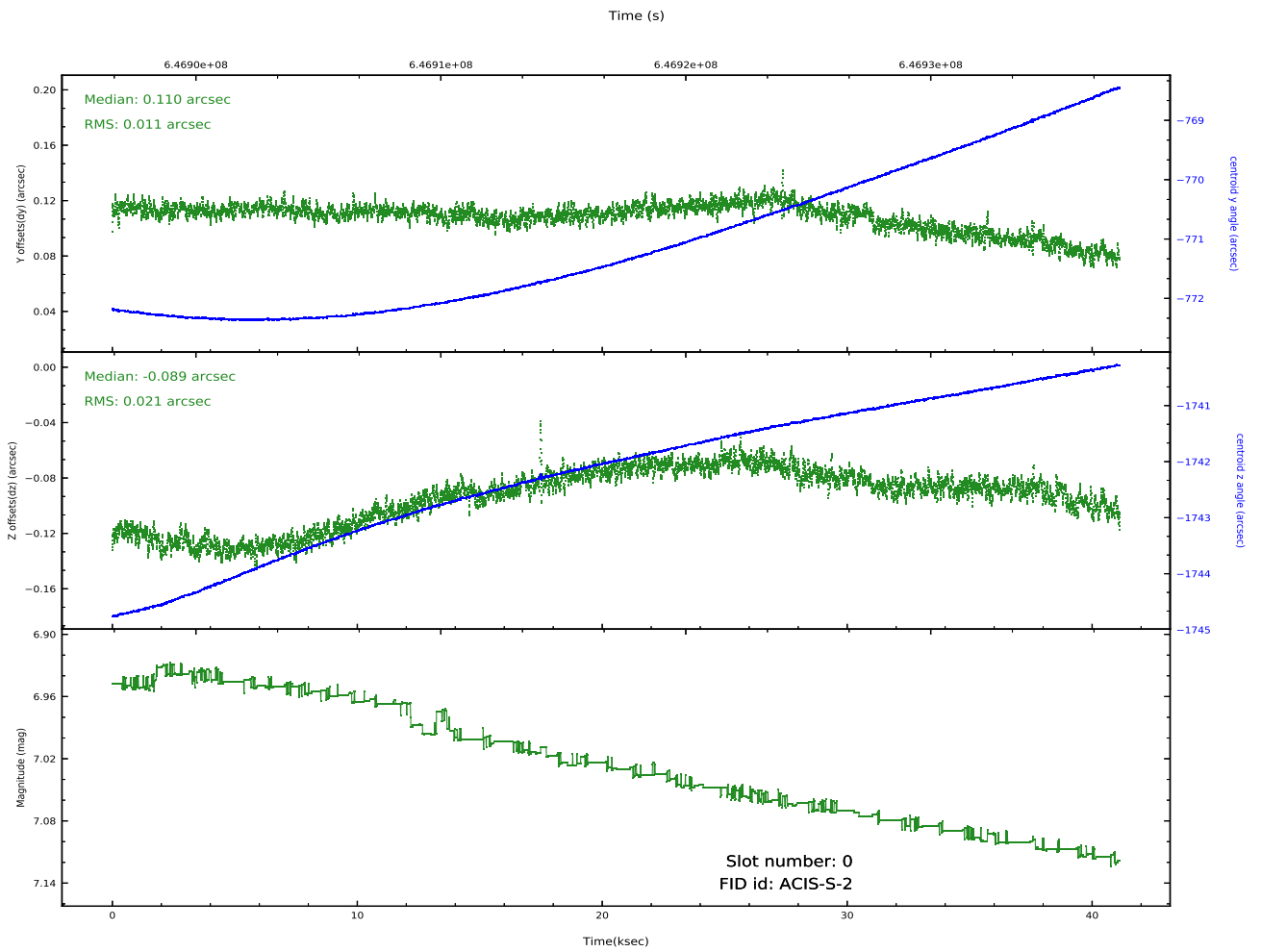
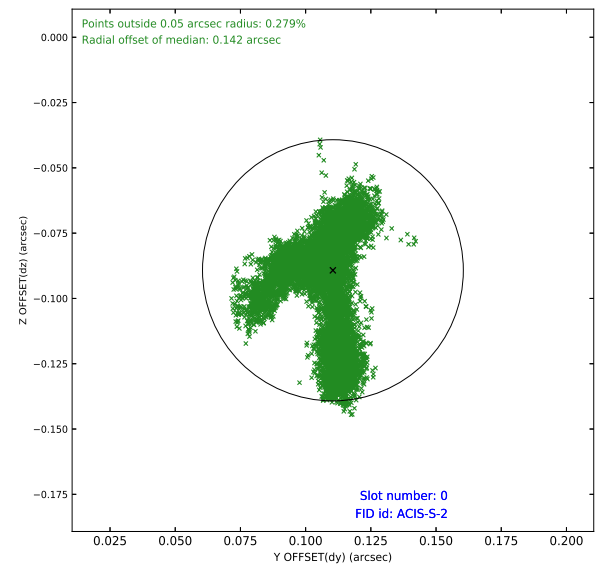
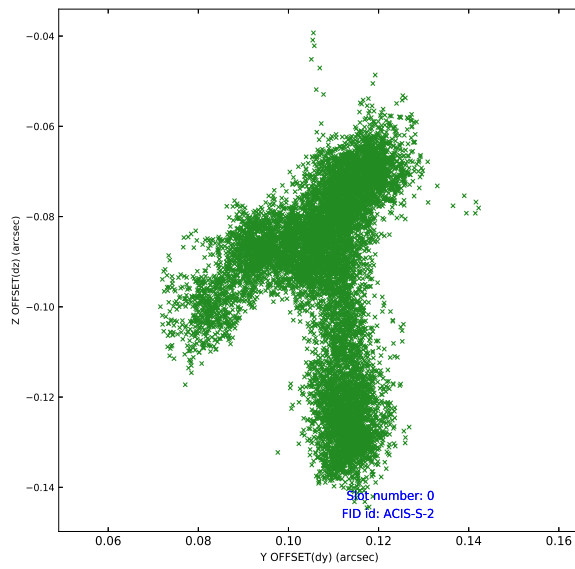


2.4.5 Slot 7

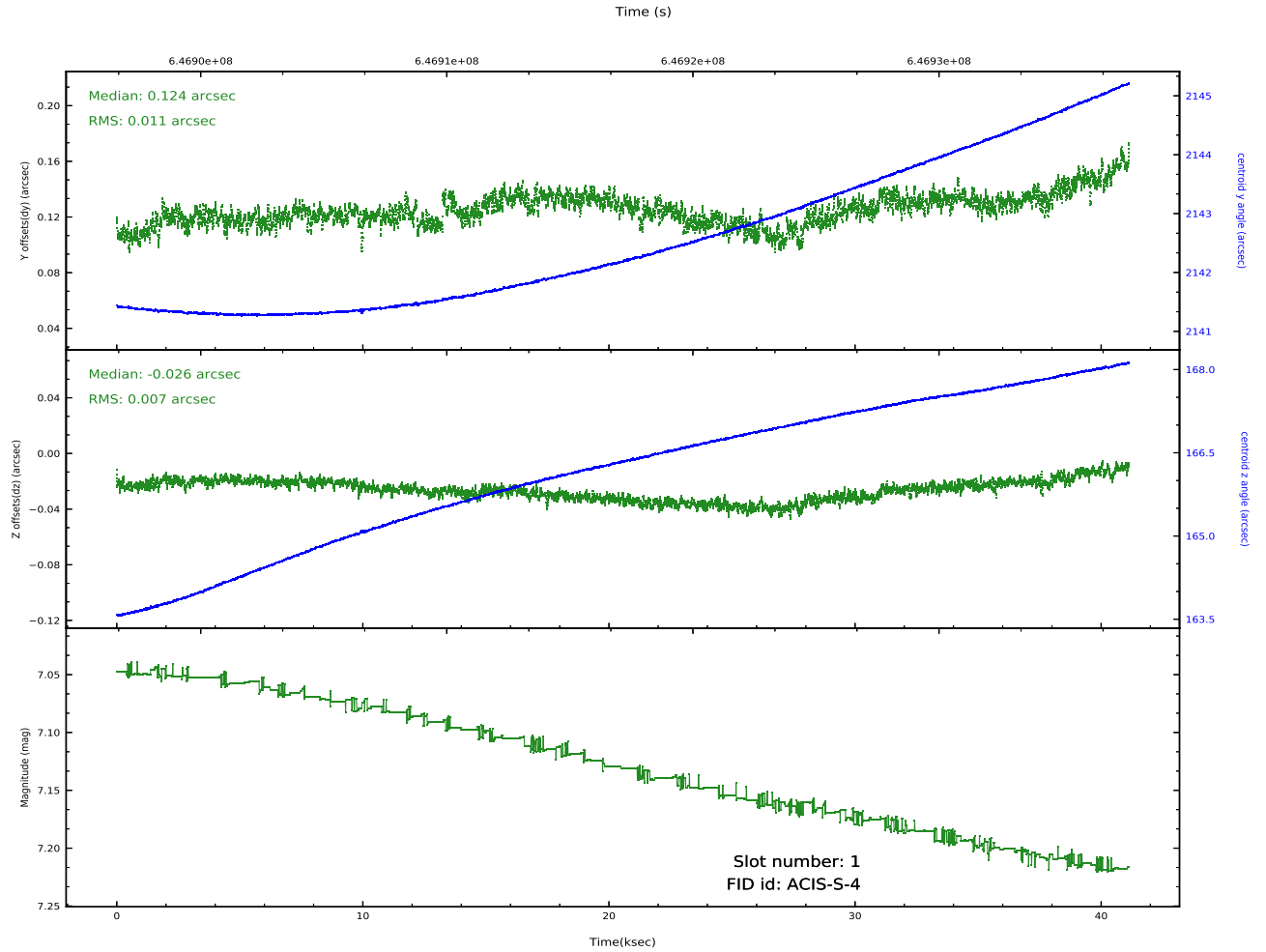
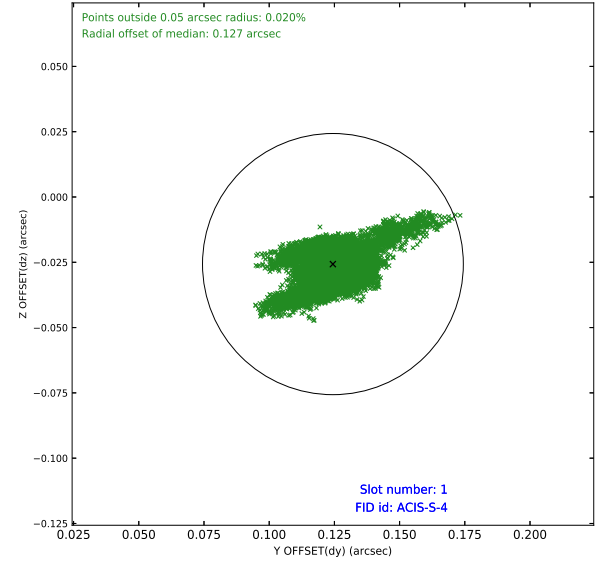
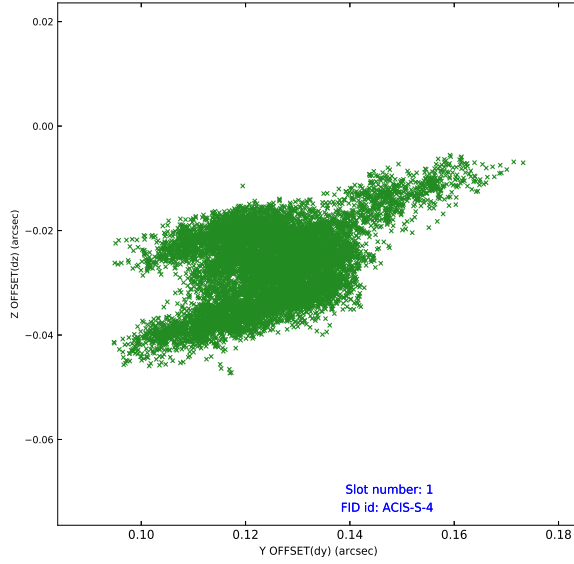


2.5 FID Slots

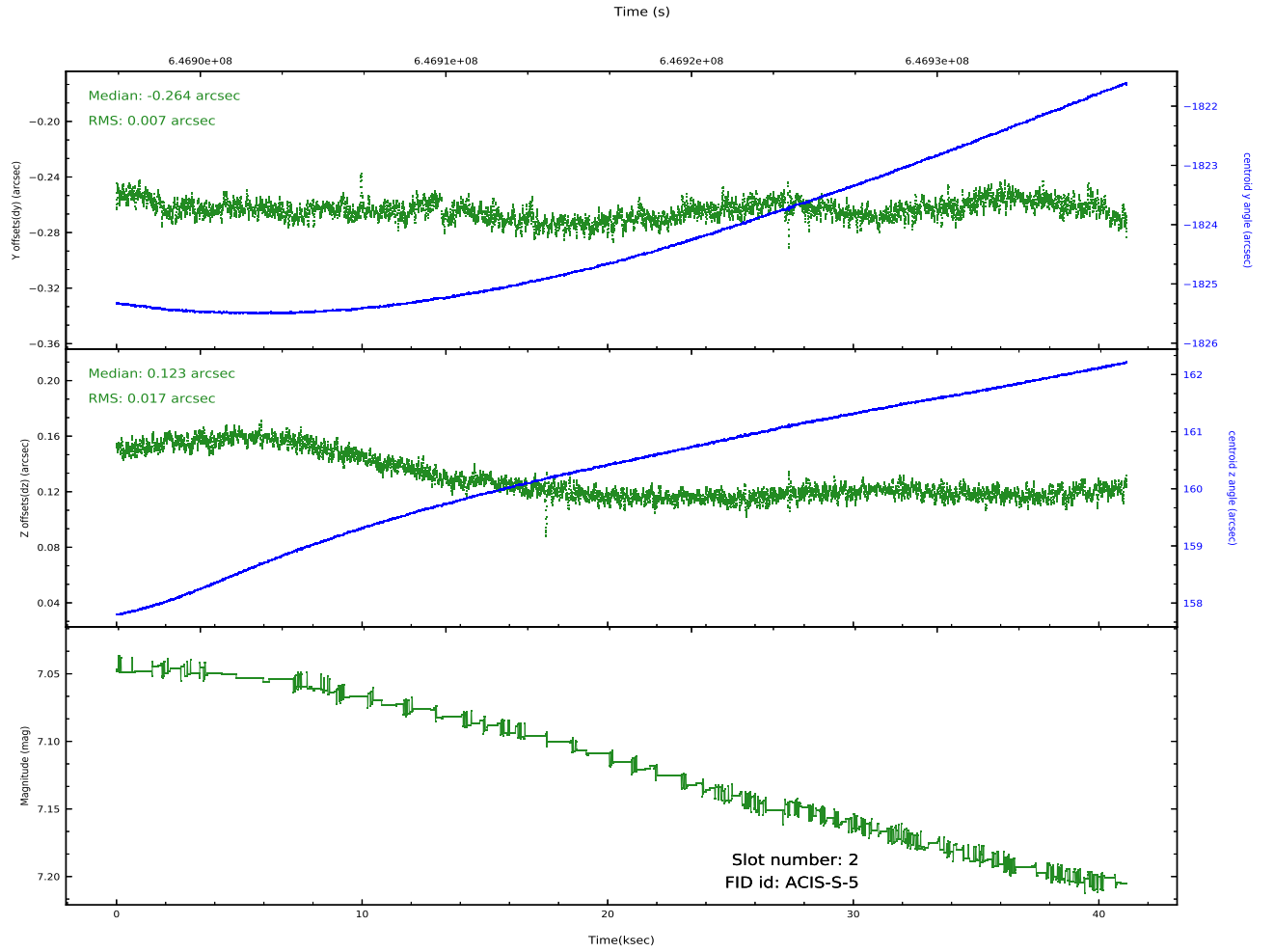
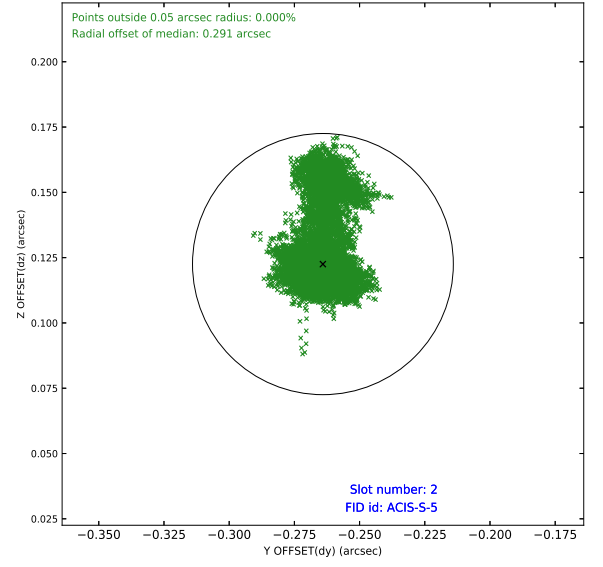
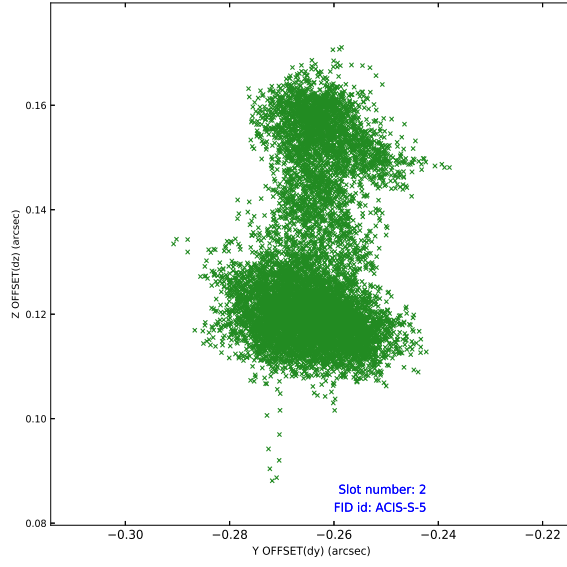
2.5.1 Slot 0



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)	2020.10.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	41.115300316334

A.2 Comments

Optional chip I2 not used.