

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5574 - L2 Version 4
Chandra X-Ray Center

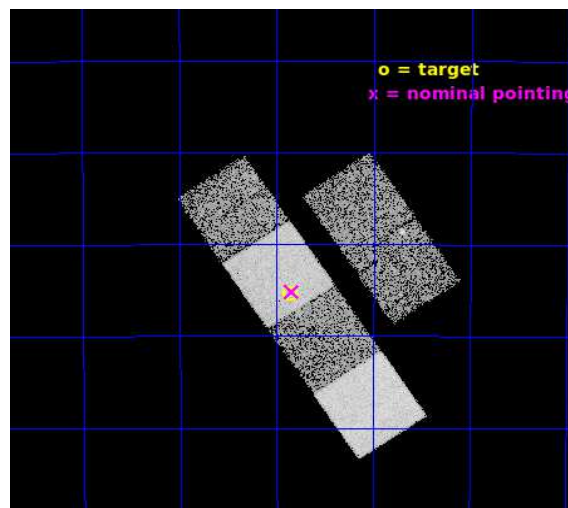
L2 Processing Date : Oct 11 2020

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1 Front

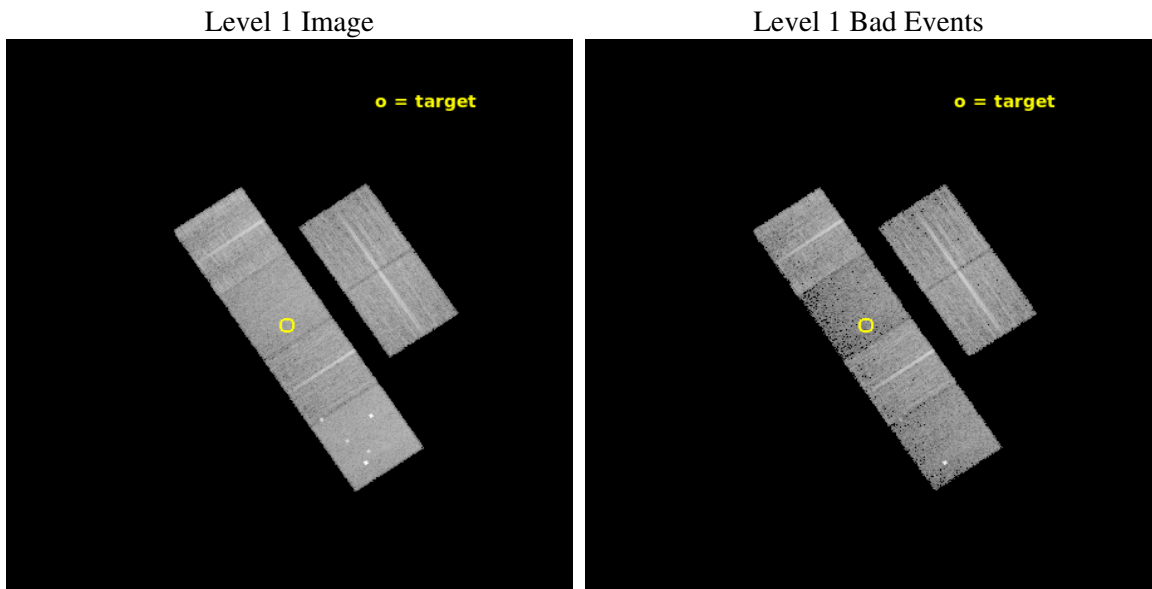
seq_num	500563	Sequence number
obs_id	5574	Observation id
title	IS SGR 1627-41 A DIM ISOLATED NEUTRON STAR?	Proposal title
observer	Chryssa Kouveliotou	Principal investigator
object	SGR 1627-41	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	248.965833	Observer's specified target RA [deg]
dec_targ	-47.589806	Observer's specified target Dec [deg]
ra_nom	248.96077002505	Nominal RA [deg]
dec_nom	-47.586190629088	Nominal Dec [deg]
roll_nom	236.07954787373	Nominal Roll [deg]
revision	4	Processing version of data
ontime	10143.999962211	Sum of GTIs [s]
livetime	10015.550526706	Livetime [s]
ontime2	10143.999962211	Sum of GTIs [s]
ontime3	10140.758972019	Sum of GTIs [s]
ontime5	10143.999962211	Sum of GTIs [s]
ontime6	10143.999962211	Sum of GTIs [s]
ontime7	10143.999962211	Sum of GTIs [s]
ontime8	10143.999962211	Sum of GTIs [s]
l2events	89640	Number of level 2 events



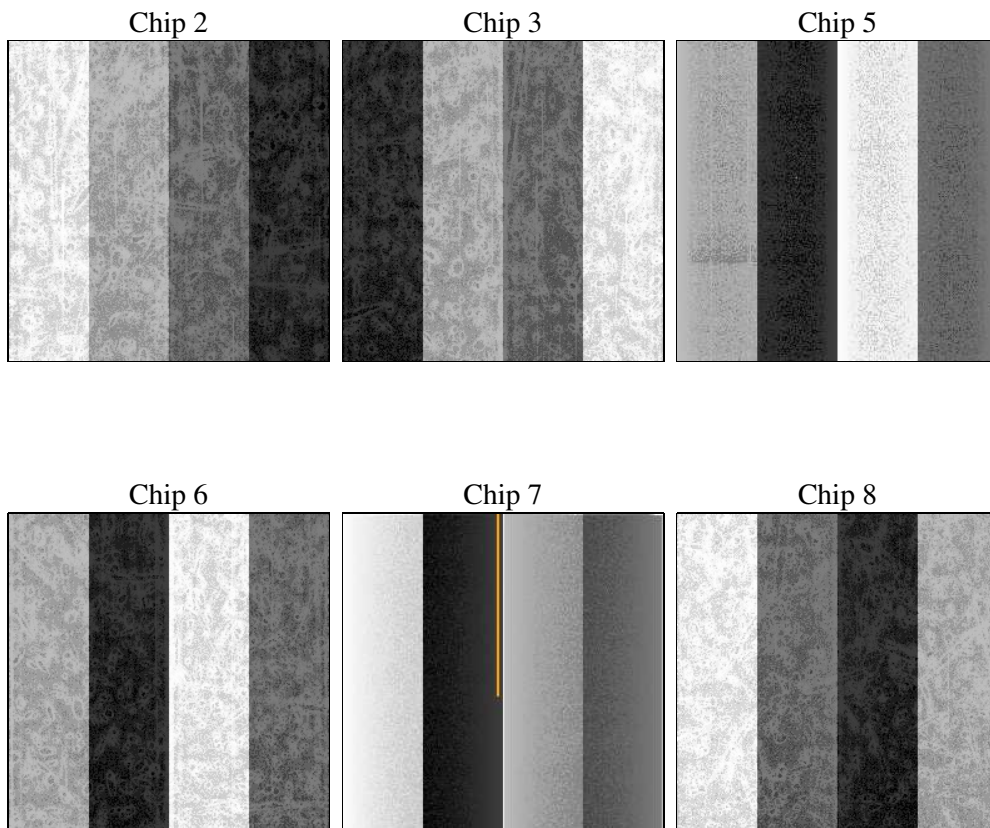
2 OBI

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	10.9.1	Processing system revision	ontime	10143.999962211	Sum of GTIs [s]
caldsver	4.9.2	 	ontime2	10143.999962211	Sum of GTIs [s]
date	2020-10-11T04:03:29	Date and time of file creation	ontime3	10140.758972019	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	10143.999962211	Sum of GTIs [s]
			ontime6	10143.999962211	Sum of GTIs [s]
			ontime7	10143.999962211	Sum of GTIs [s]
			ontime8	10143.999962211	Sum of GTIs [s]
			l1events	441685	Number of level 1 events

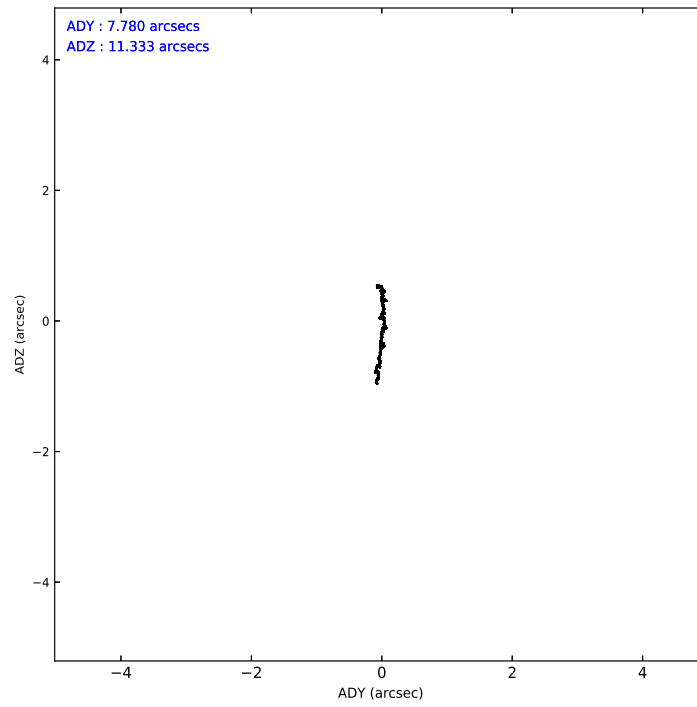
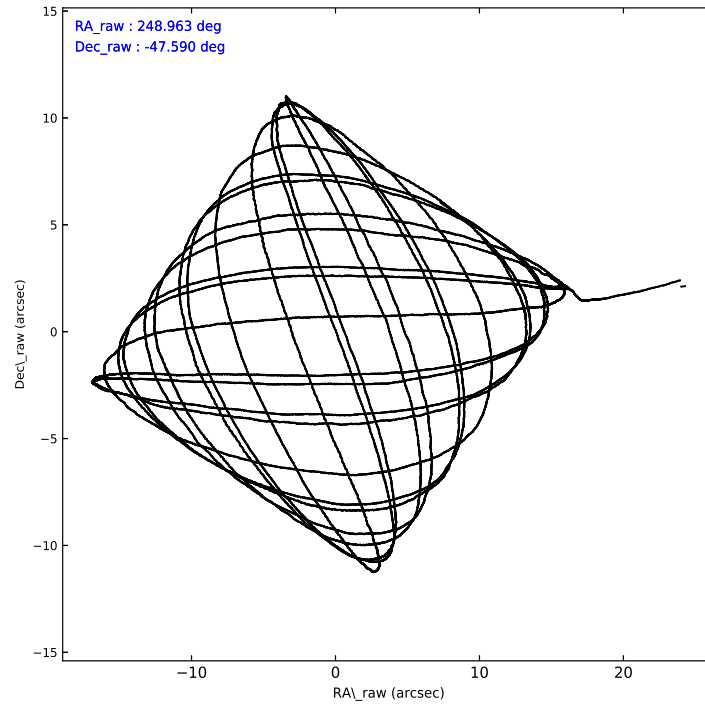
2.1.4 Events

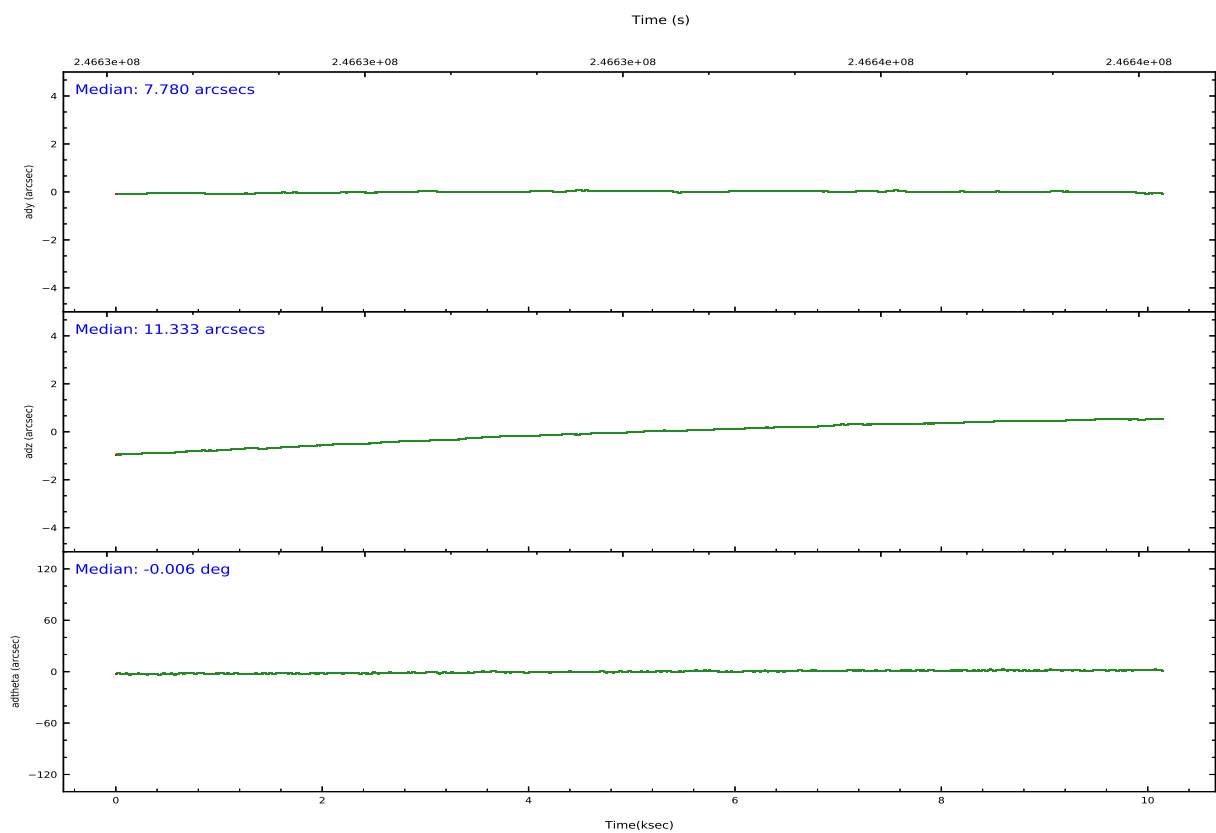
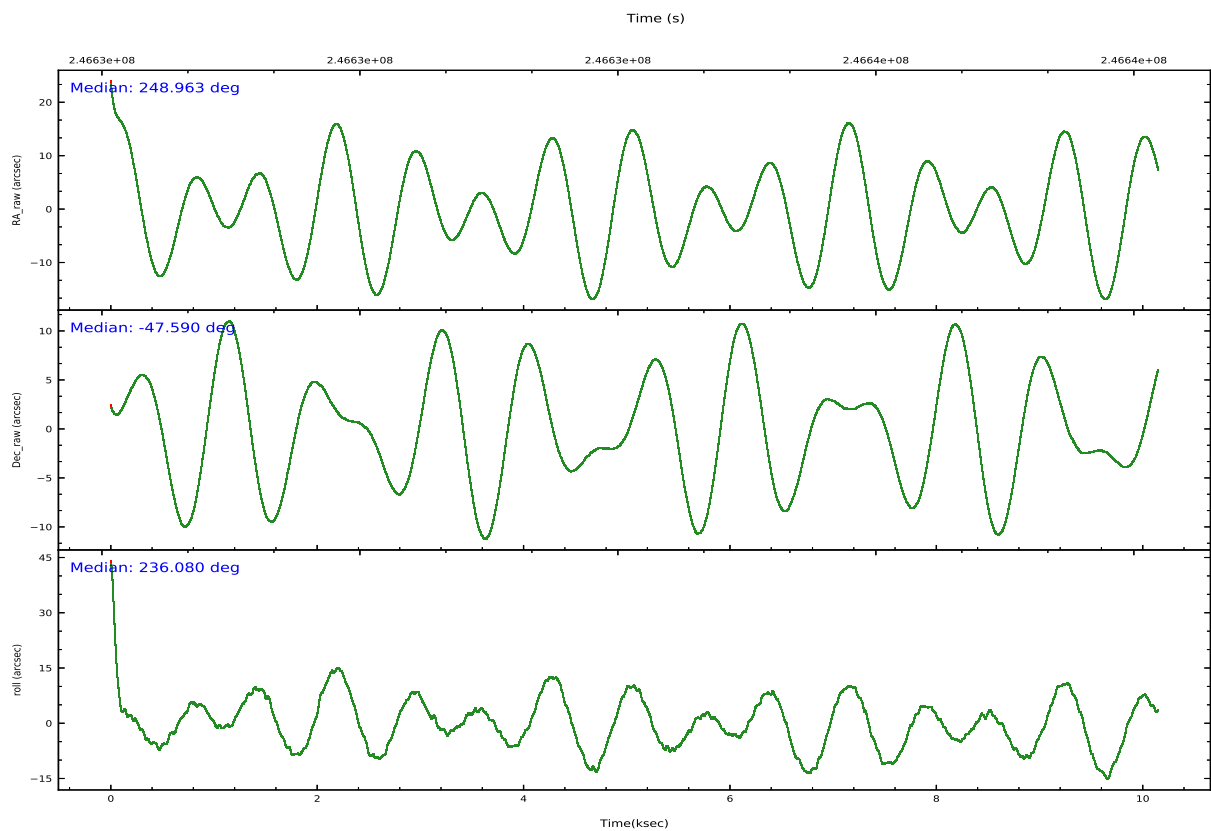
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	71728	64788	88532	67528	65309	83800	grade 0 events	3122	2815	7014	3156	3242	5870
rejected events	65096	58581	44802	60483	35442	65983		4%	4%	7%	4%	4%	7%
rejected %	90%	90%	50%	89%	54%	78%	grade 1 events	36	27	232	27	74	57
								0%	0%	0%	0%	0%	0%
							grade 2 events	1578	1321	14208	1560	6878	4373
								2%	2%	16%	2%	10%	5%
							grade 3 events	712	767	2035	767	3174	2060
								0%	1%	2%	1%	4%	2%
							grade 4 events	735	754	1999	760	3158	1985
								1%	1%	2%	1%	4%	2%
							grade 5 events	1836	2196	7019	2330	6913	3538
								2%	3%	7%	3%	10%	4%
							grade 6 events	1181	1215	22283	1399	16027	5298
								1%	1%	25%	2%	24%	6%
							grade 7 events	62528	55693	33742	57529	25843	60619
								87%	85%	38%	85%	39%	72%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	248.964960	248.96077002505	Subarray requested	NONE	NONE
[deg] Pointing Dec	-47.562717	-47.586190629088	Alternating exposures requested	N	N
[deg] Pointing Roll	235.923690	236.07954787373	[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)	246627736.184000	246626186.83385			
Observation start date	2005-10-25T11:41:12	2005-10-25T11:16:26			
[s] Observation end time (MET)	246637736.184000	246638260.8219			
Observation end date	2005-10-25T14:27:52	2005-10-25T14:37:40			
Read mode	TIMED	TIMED			

2.3 Aspect



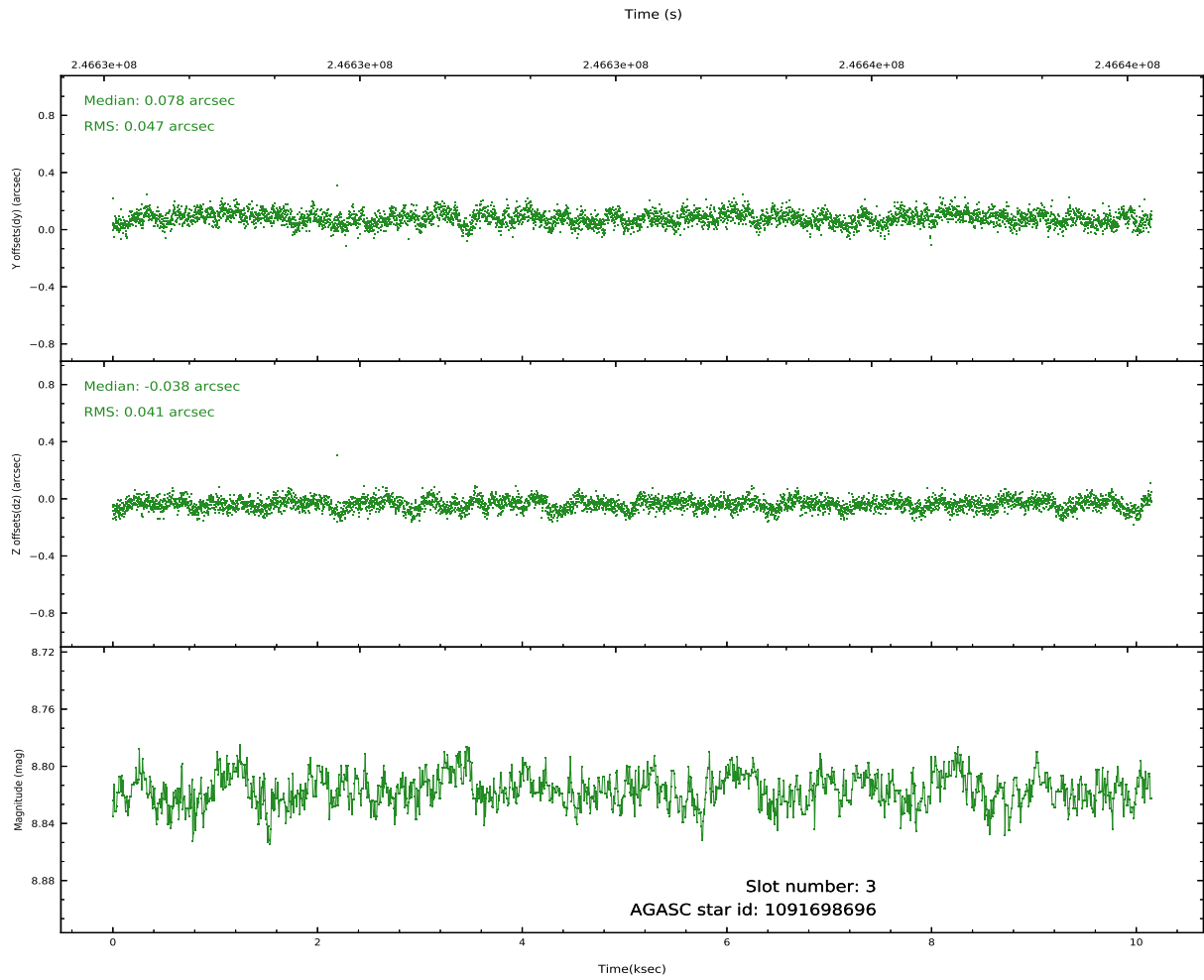
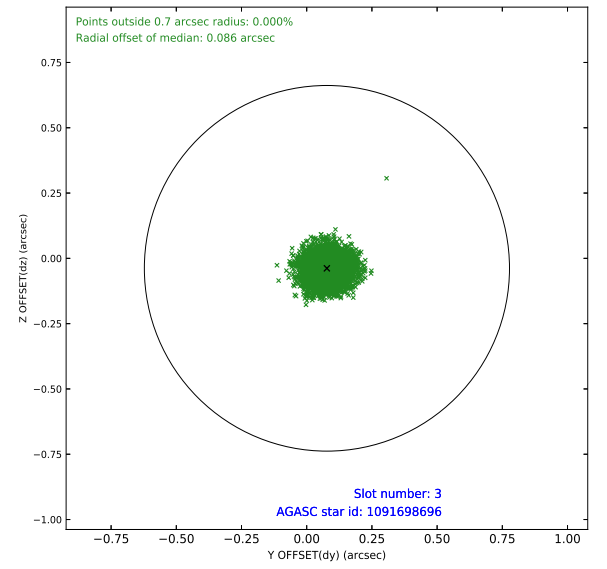
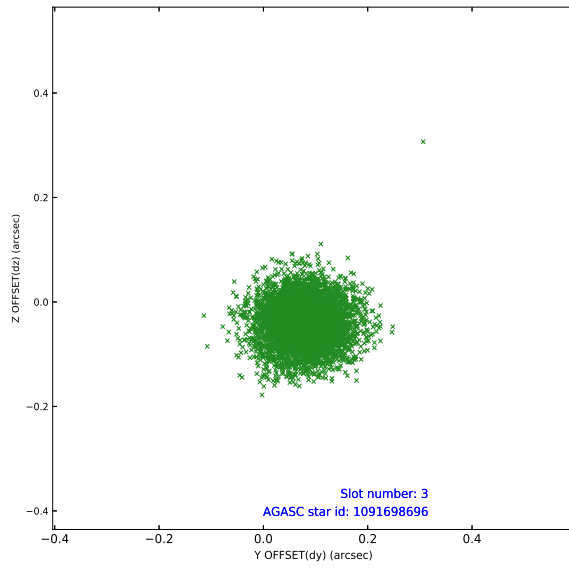


Slot Statistics

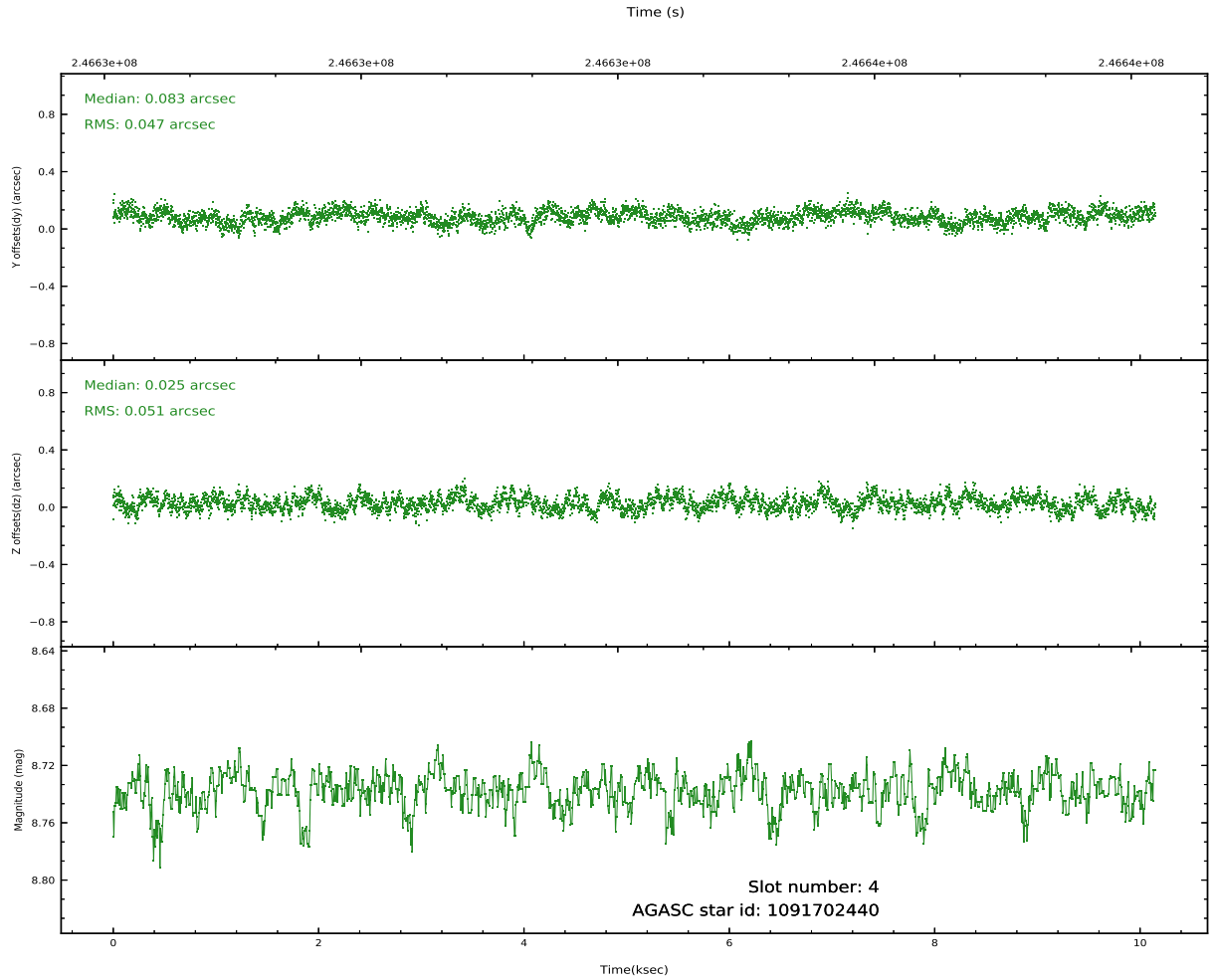
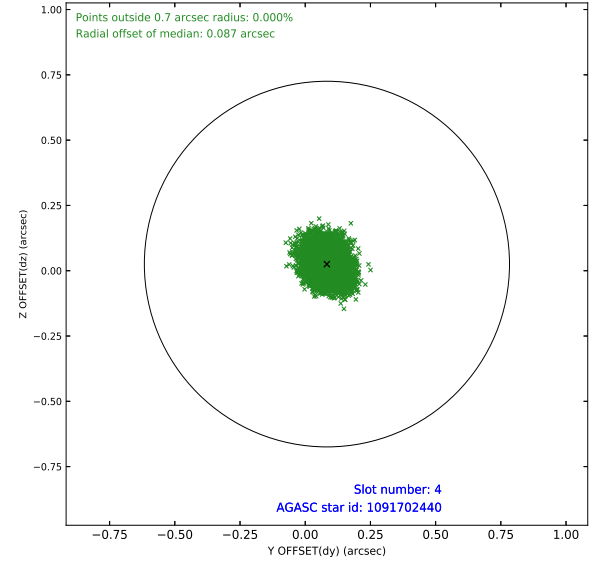
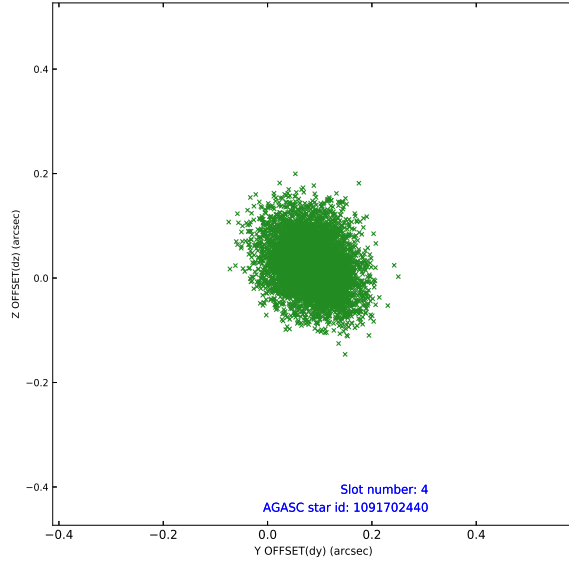
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-1	7.18	2476	1.000	0.078	-0.123	0.016	0.039	0.000000	0.000000	935.57	-1728
1	FID		ACIS-S-5	7.23	2476	1.000	-0.126	0.035	0.012	0.018	0.000000	0.000000	-1813.34	168
2	FID		ACIS-S-6	7.35	2476	1.000	0.029	0.097	0.014	0.025	0.000000	0.000000	400.51	813
3	GUIDE	used	1091698696	8.82	4951	1.000	0.078	-0.038	0.067	0.110	248.529134	-48.079711	2132.08	176
4	GUIDE	used	1091702440	8.74	4948	1.000	0.083	0.025	0.075	0.119	248.295809	-47.683380	1275.50	-1095
5	GUIDE	used	1091709768	7.71	4951	1.000	-0.118	0.074	0.053	0.087	249.435228	-47.706899	-204.88	1236
6	GUIDE	used	1091699360	7.44	4952	1.000	-0.111	-0.139	0.045	0.073	248.660725	-47.004364	-1244.76	-1744
7	GUIDE	used	1091699976	9.24	4946	1.000	0.066	0.081	0.082	0.135	249.617486	-47.776281	-242.03	1741

2.4 Star Slots

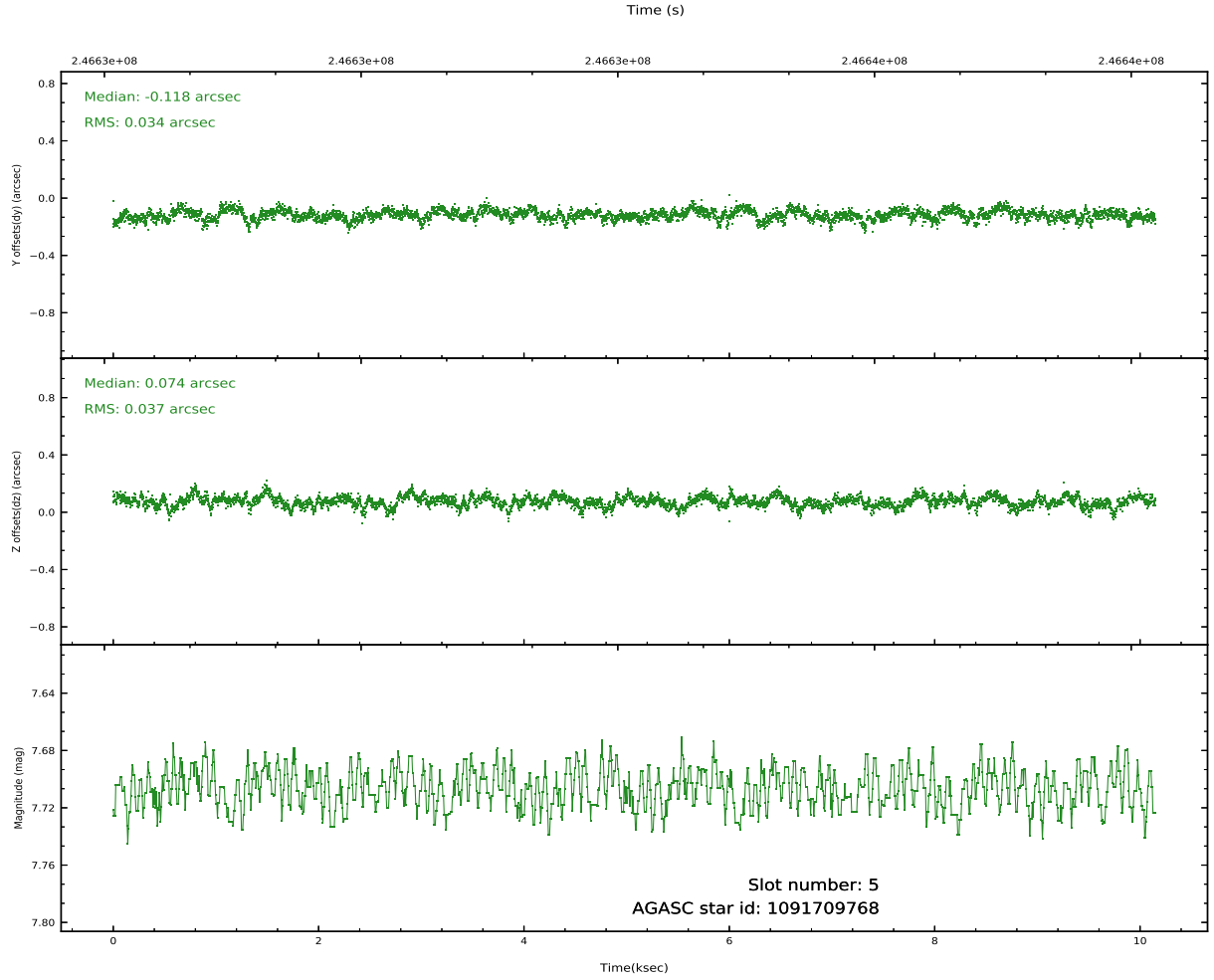
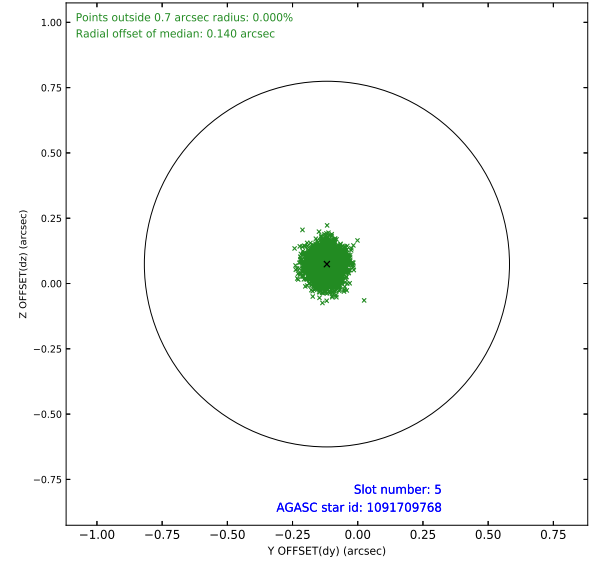
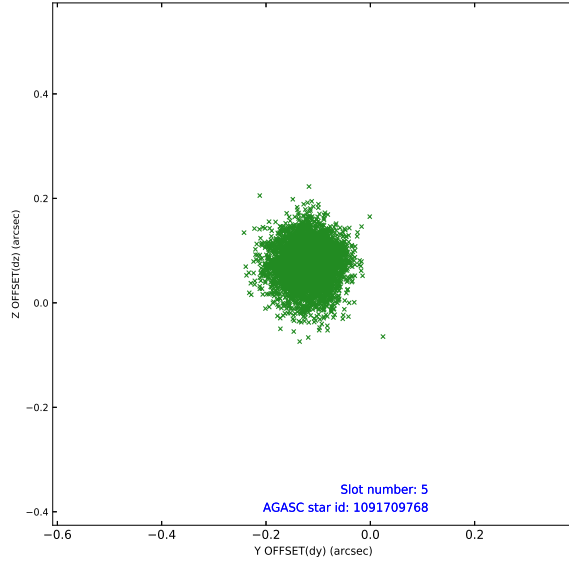
2.4.1 Slot 3



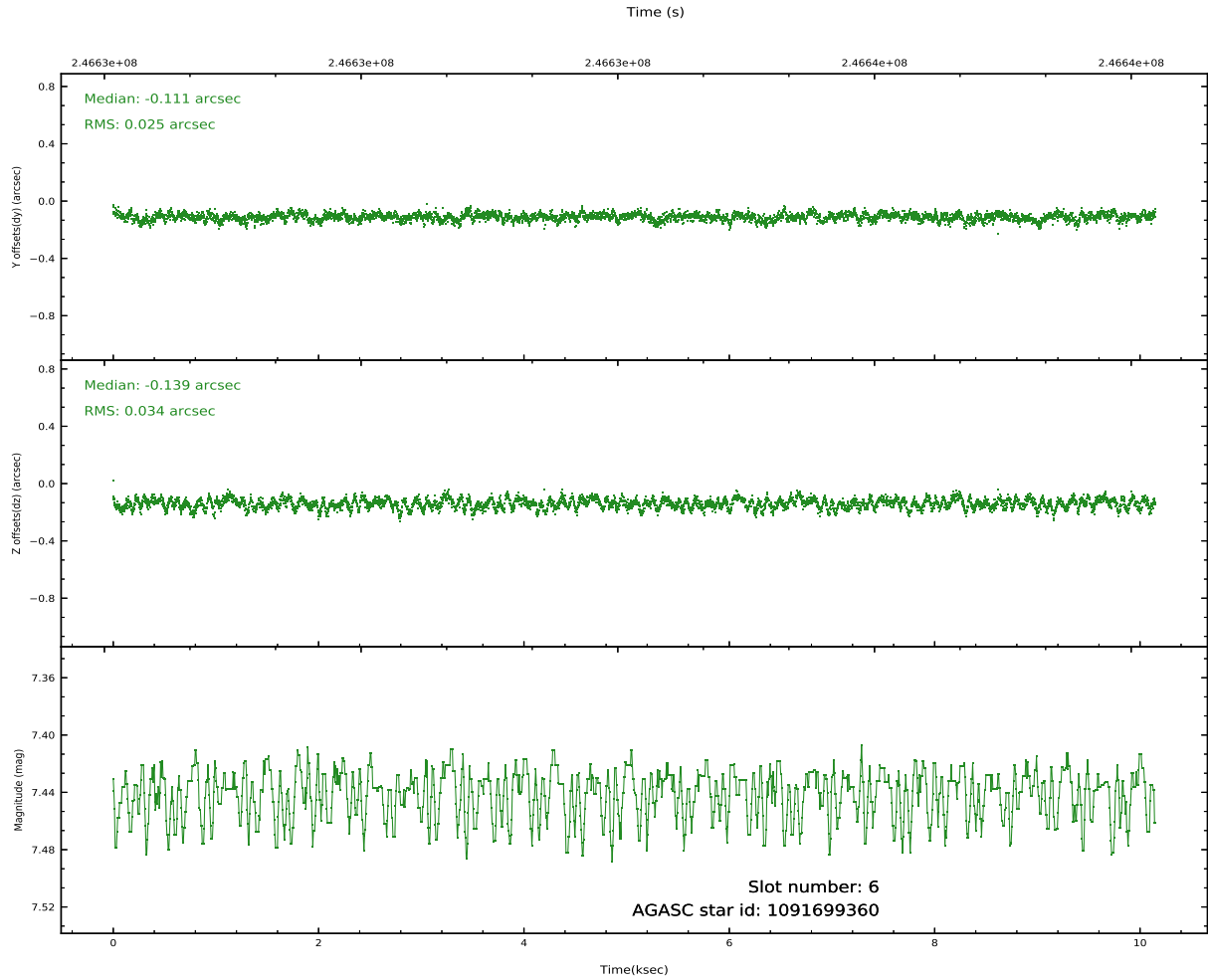
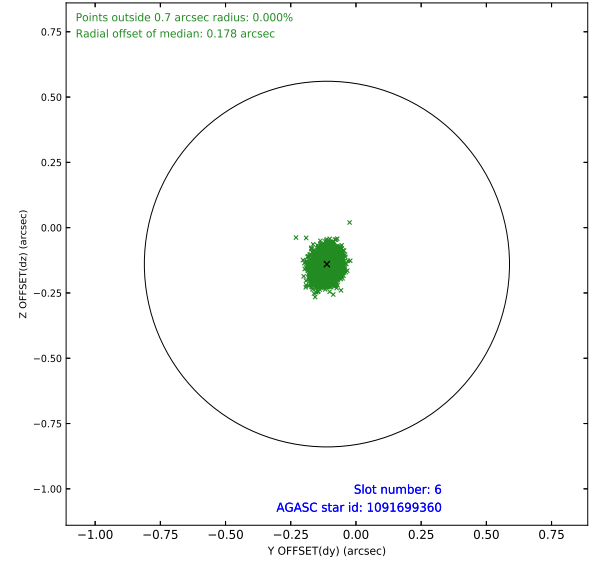
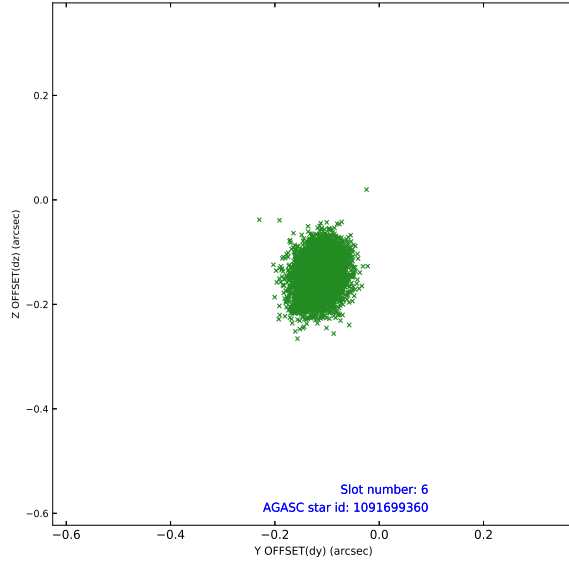
2.4.2 Slot 4



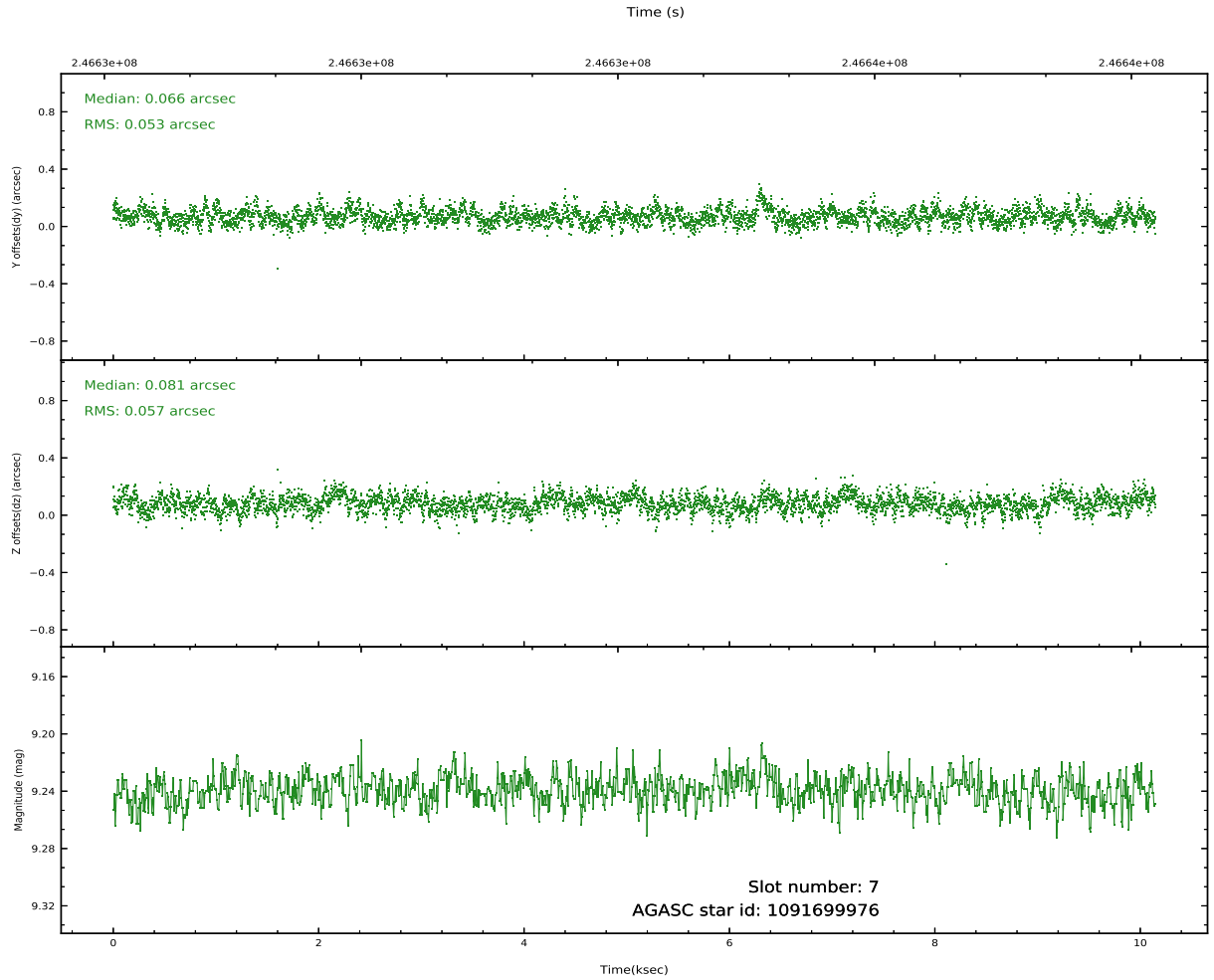
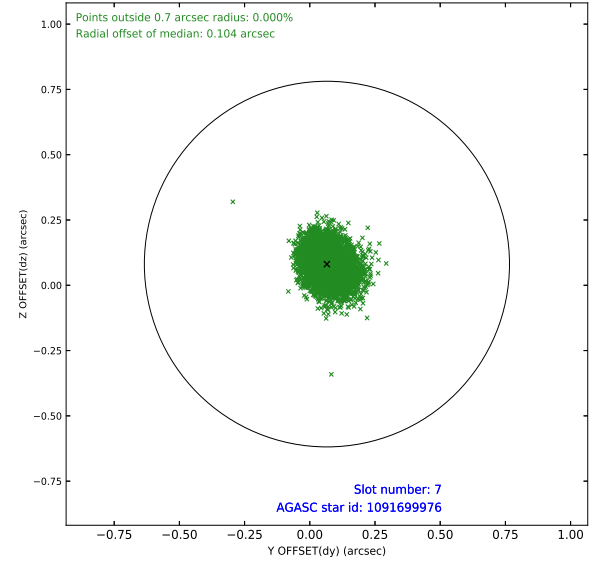
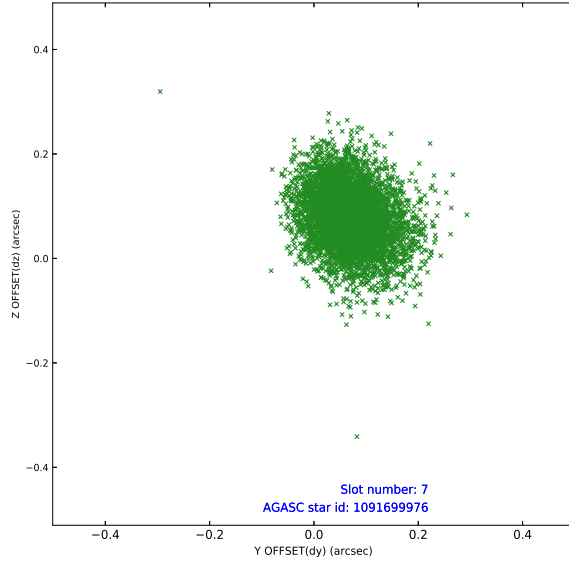
2.4.3 Slot 5



2.4.4 Slot 6

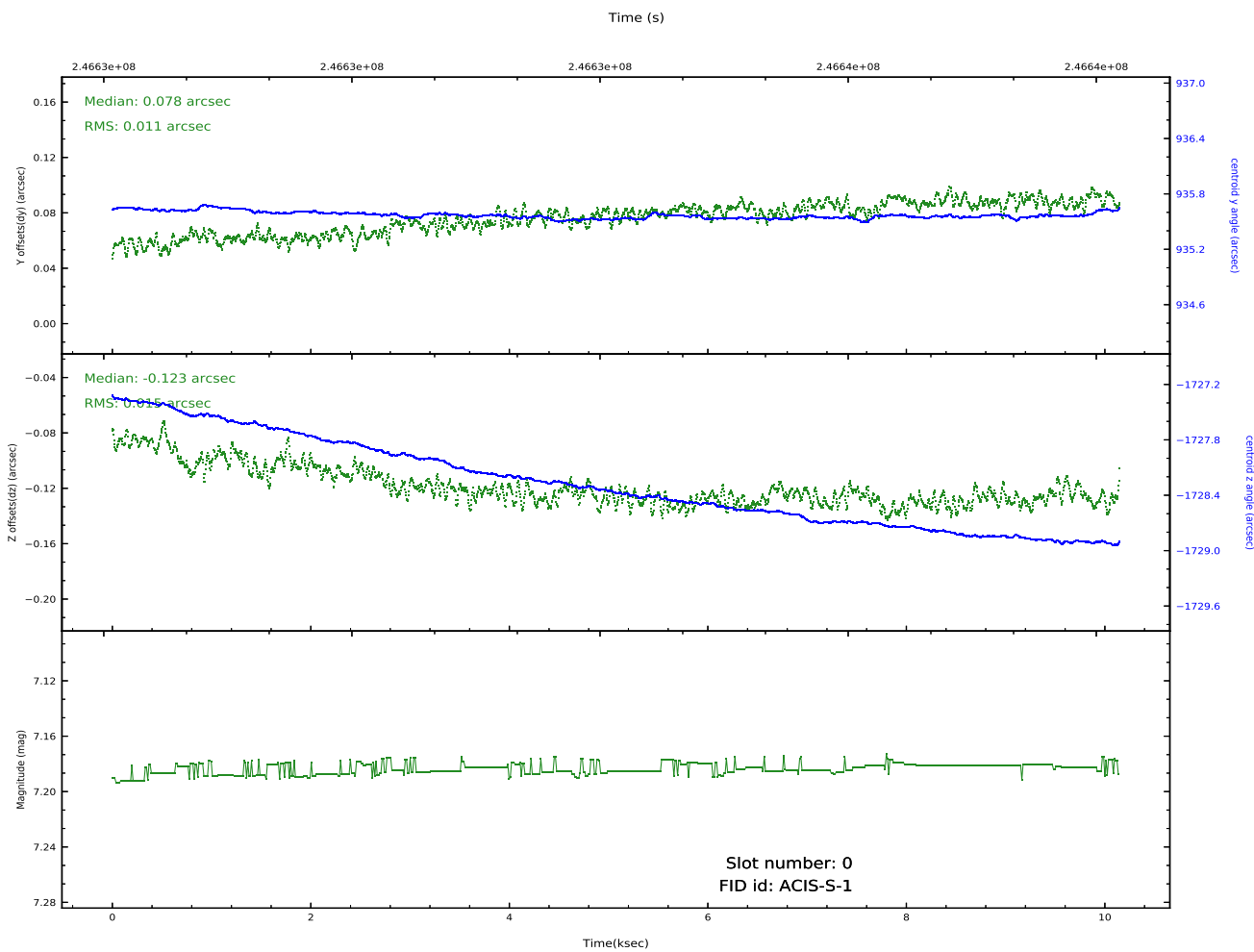
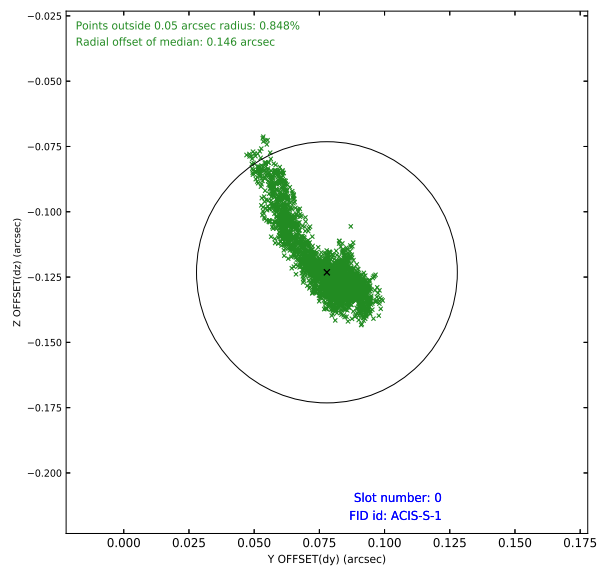
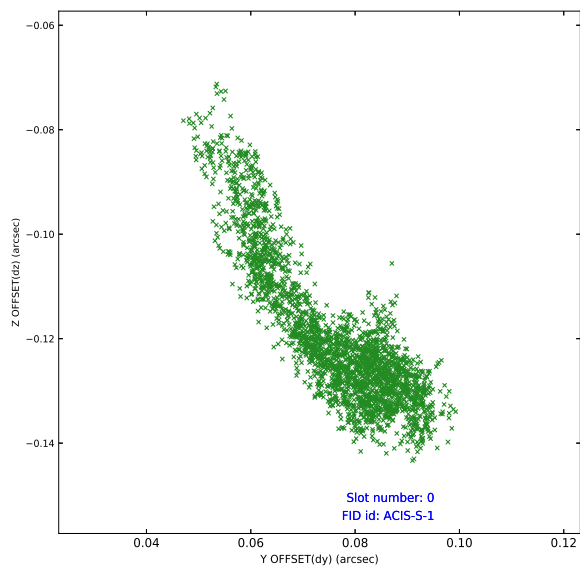


2.4.5 Slot 7

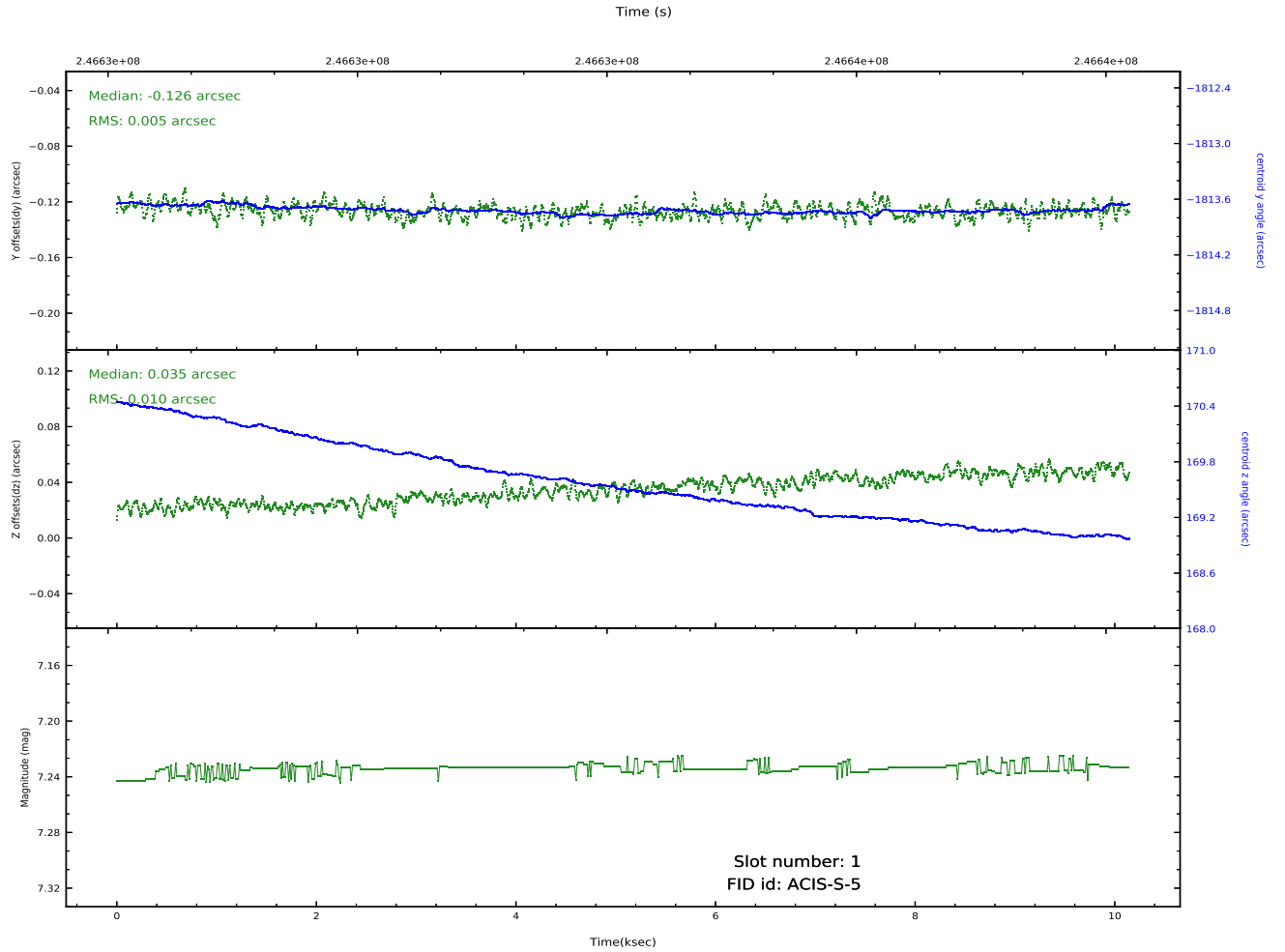
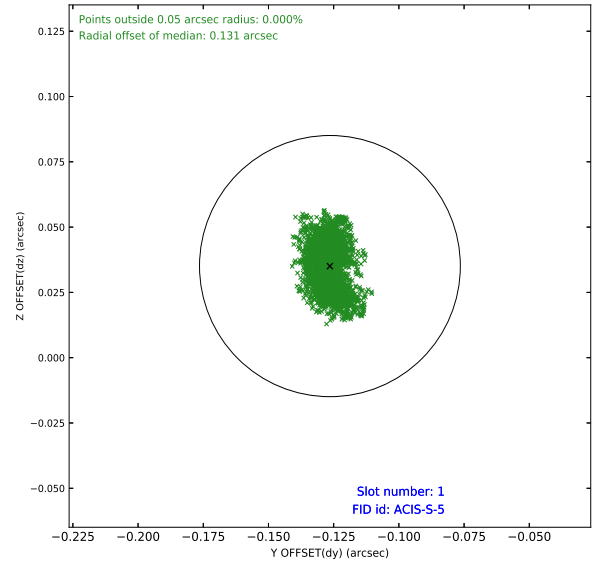
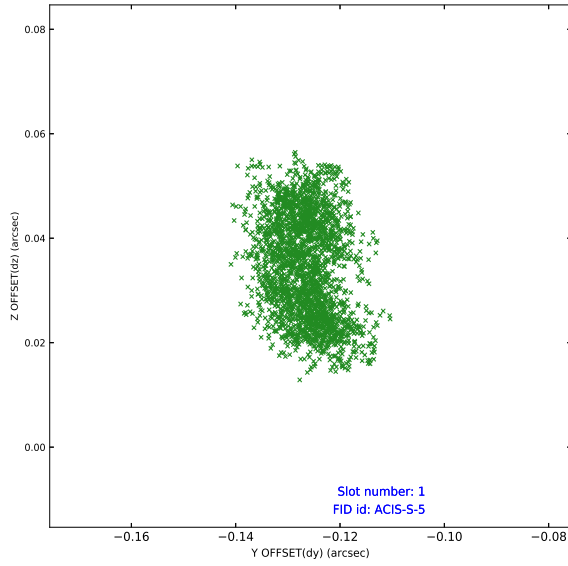


2.5 FID Slots

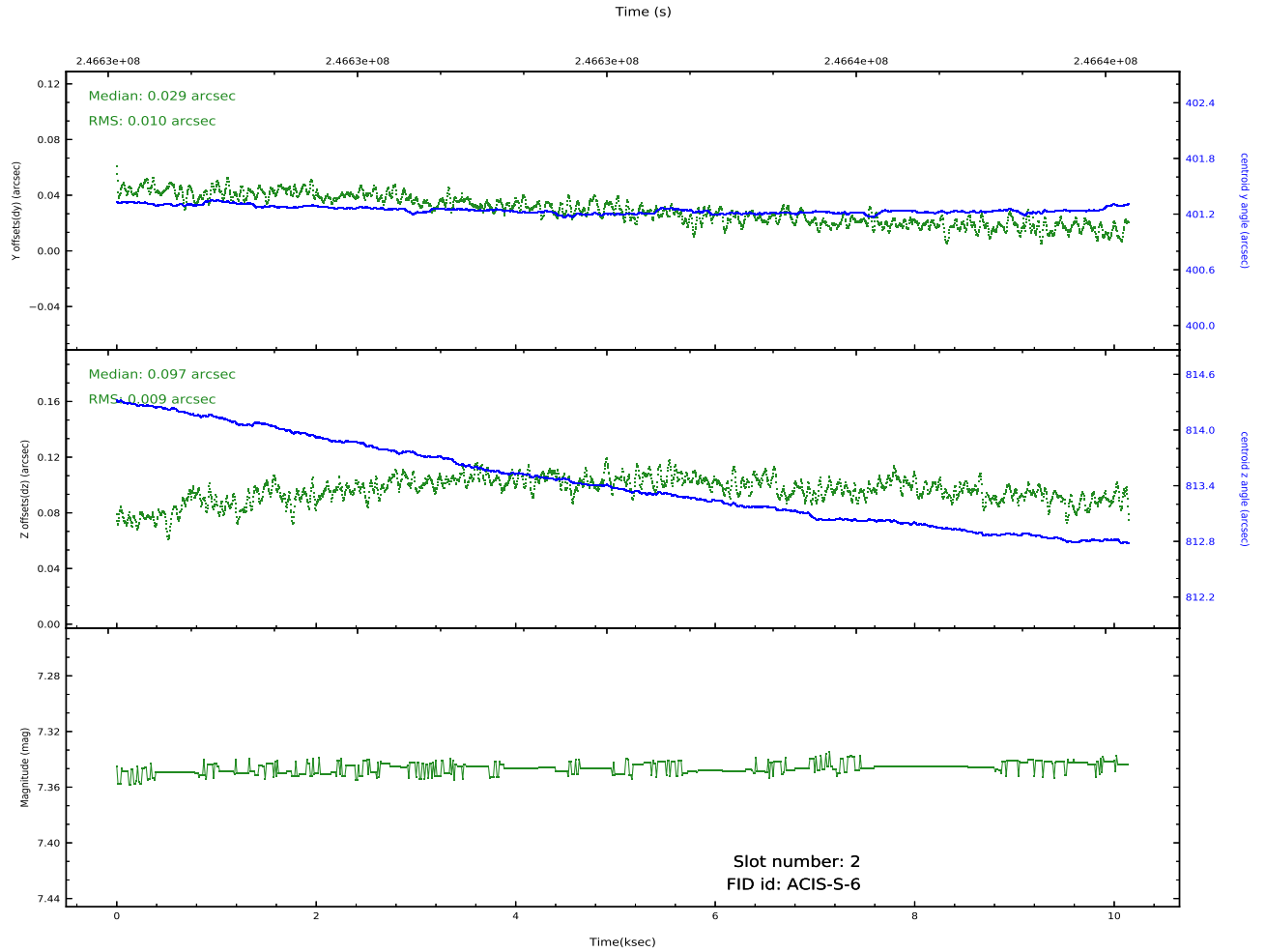
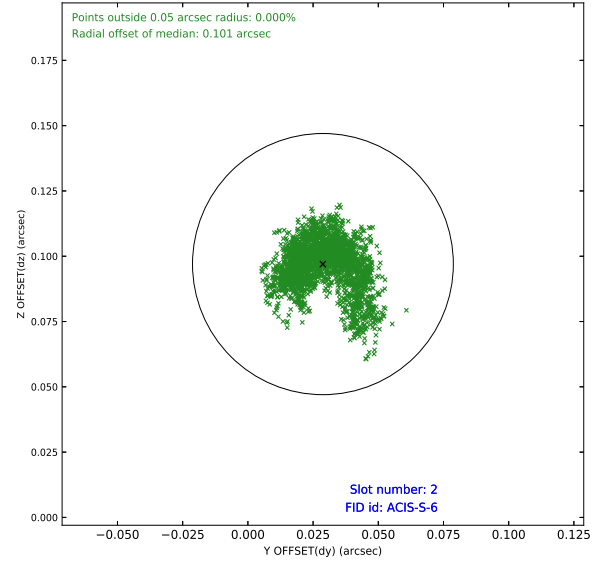
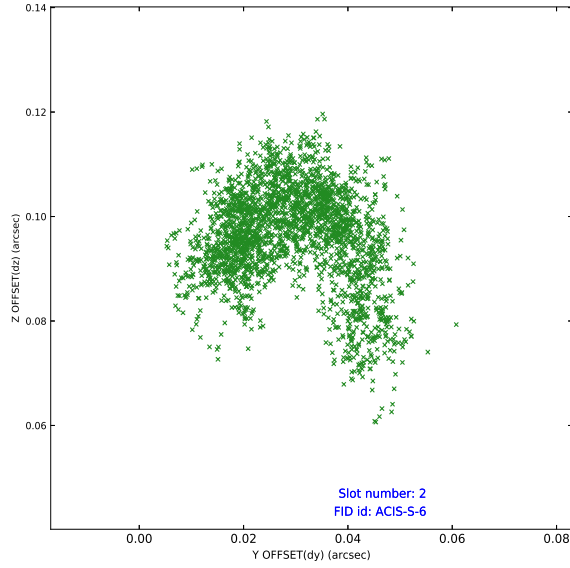
2.5.1 Slot 0



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)	2020.10.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.14399

A.2 Comments