

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 6698 - L2 Version 3
Chandra X-Ray Center

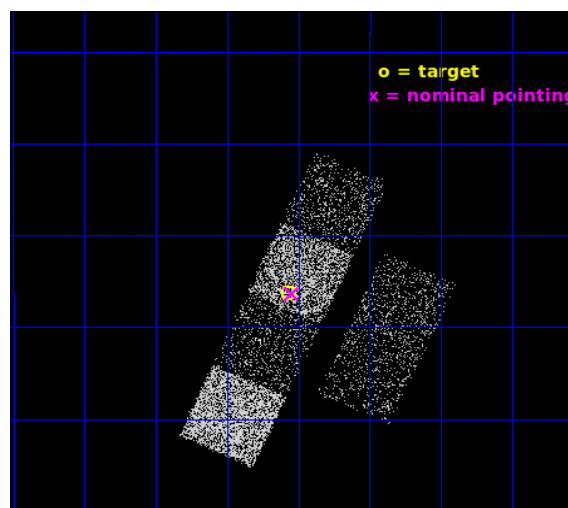
L2 Processing Date : Oct 12 2020

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1 Front

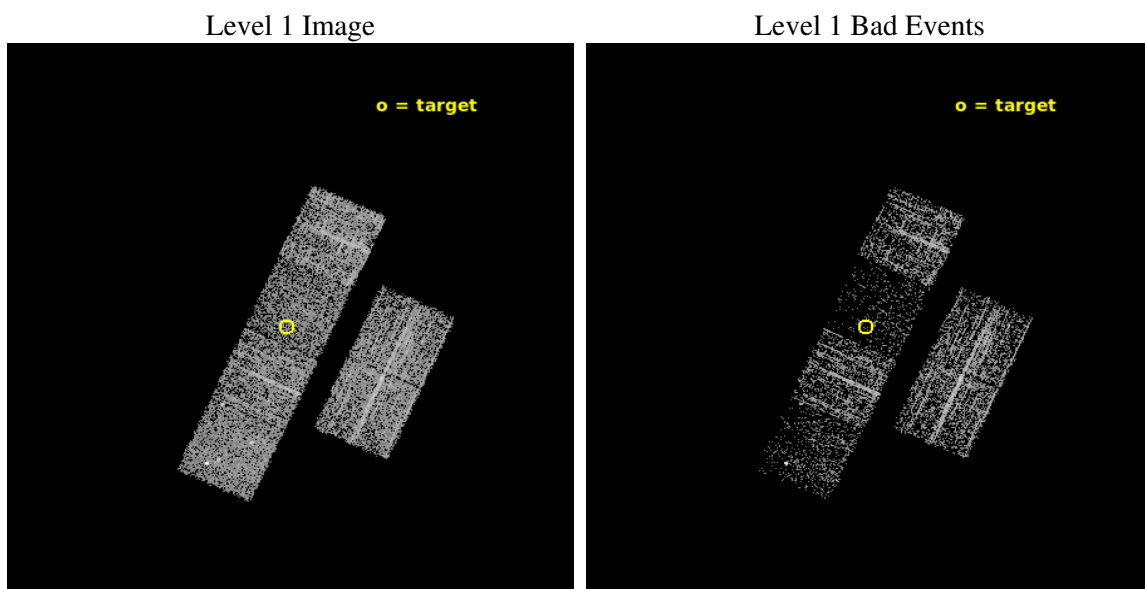
seq_num	500649	Sequence number
obs_id	6698	Observation id
title	A High Purity Discovery Program for Isolated Neutron Stars	Proposa
observer	Dr. Scott Anderson	Principal investigator
object	1RXS J205334.0-063617	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	313.391667	Observer's specified target RA [deg]
dec_targ	-6.604722	Observer's specified target Dec [deg]
ra_nom	313.3863345745	Nominal RA [deg]
dec_nom	-6.6058230086673	Nominal Dec [deg]
roll_nom	294.60161589778	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1673.5999937654	Sum of GTIs [s]
livetime	1652.4078629234	Livetime [s]
ontime2	1673.5999937654	Sum of GTIs [s]
ontime3	1673.5999937654	Sum of GTIs [s]
ontime5	1673.5999937654	Sum of GTIs [s]
ontime6	1673.5999937654	Sum of GTIs [s]
ontime7	1673.5999937654	Sum of GTIs [s]
ontime8	1673.5999937654	Sum of GTIs [s]
l2events	10416	Number of level 2 events



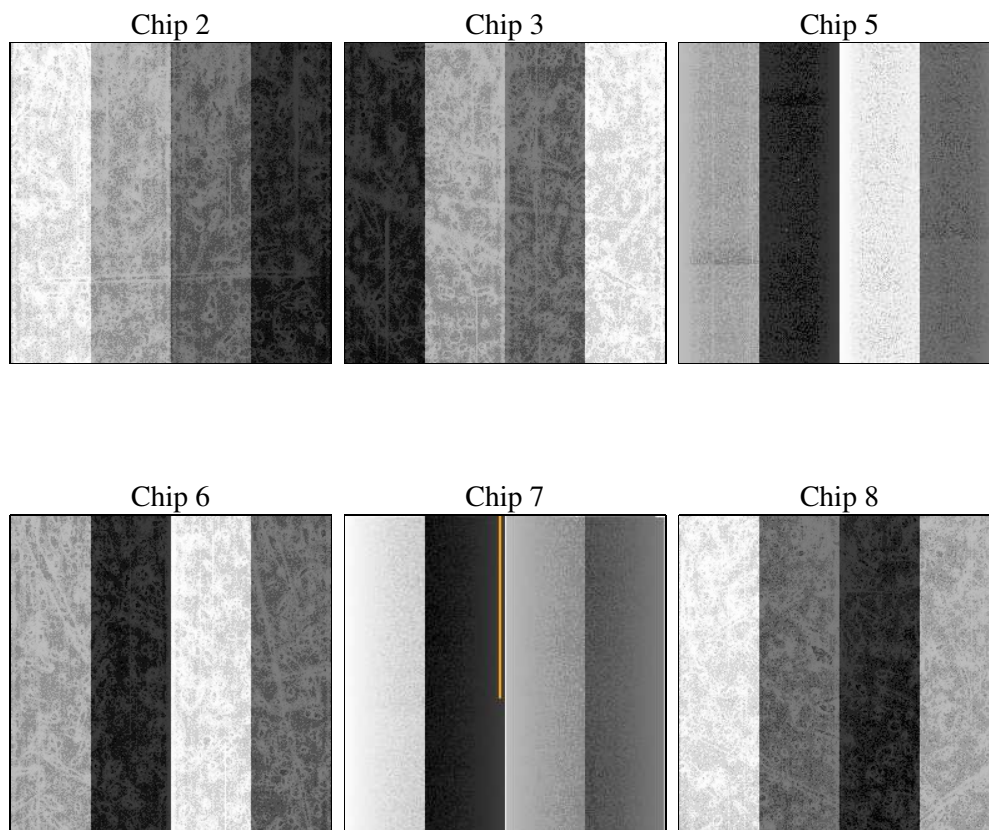
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1500.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	1673.5999937654	Sum of GTIs [s]
caldsver	4.9.2	 	ontime2	1673.5999937654	Sum of GTIs [s]
date	2020-10-12T04:40:54	Date and time of file creation	ontime3	1673.5999937654	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	1673.5999937654	Sum of GTIs [s]
			ontime6	1673.5999937654	Sum of GTIs [s]
			ontime7	1673.5999937654	Sum of GTIs [s]
			ontime8	1673.5999937654	Sum of GTIs [s]
			l1events	95481	Number of level 1 events

2.1.4 Events

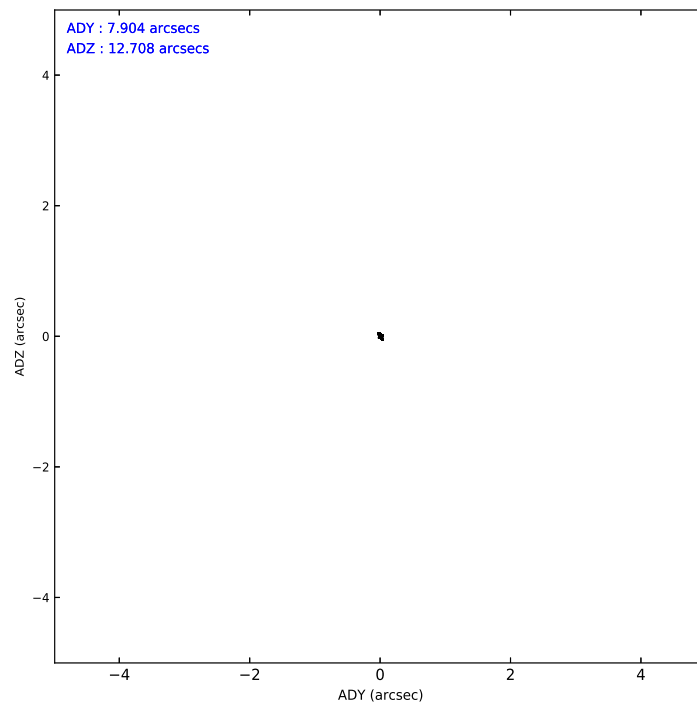
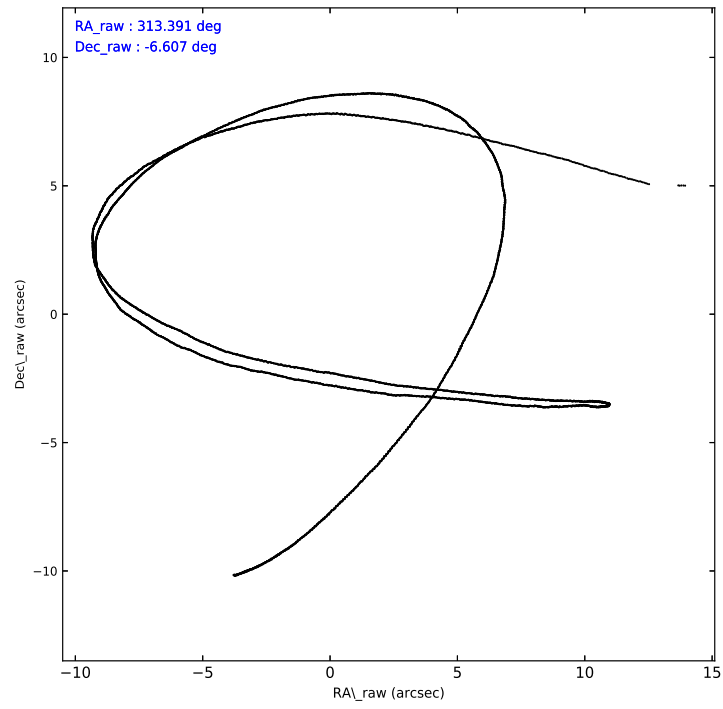
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	18132	16586	15541	15667	9430	20125
rejected events	17321	15775	10224	14801	6187	17337
rejected %	95%	95%	65%	94%	65%	86%

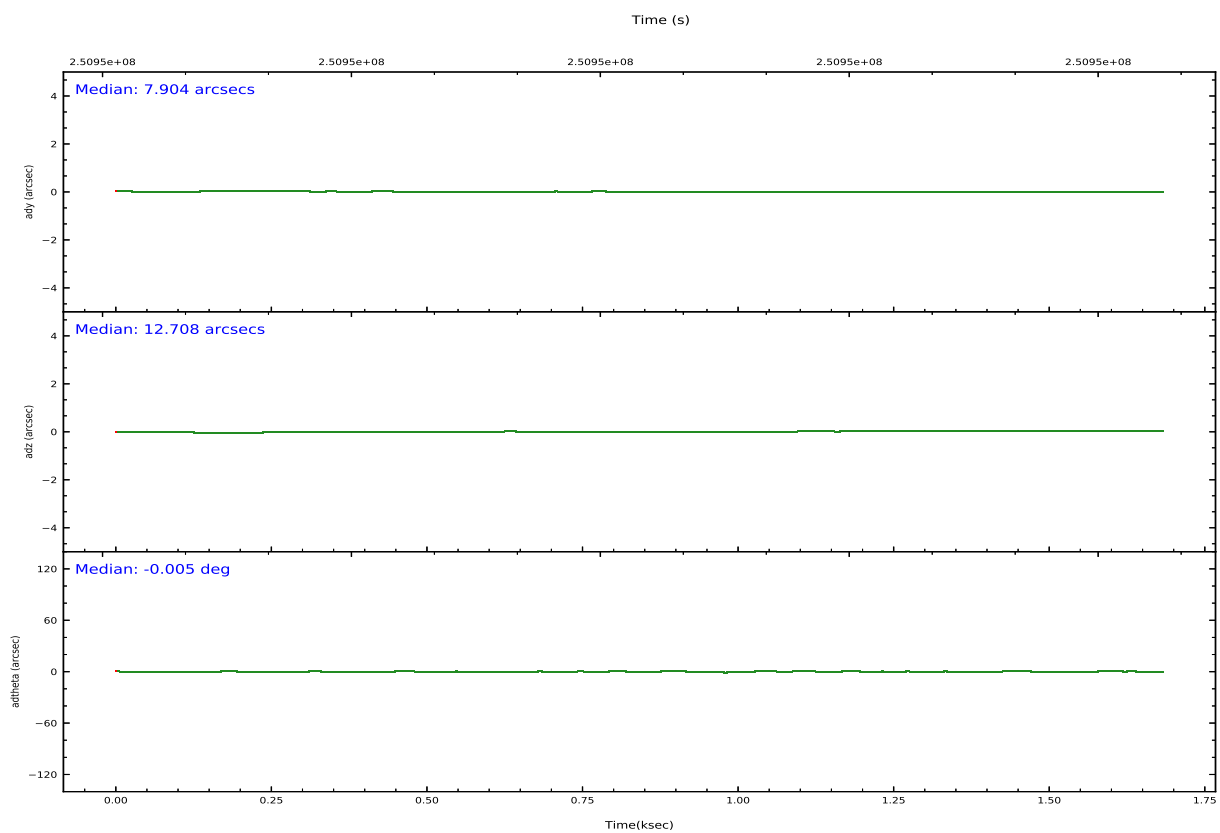
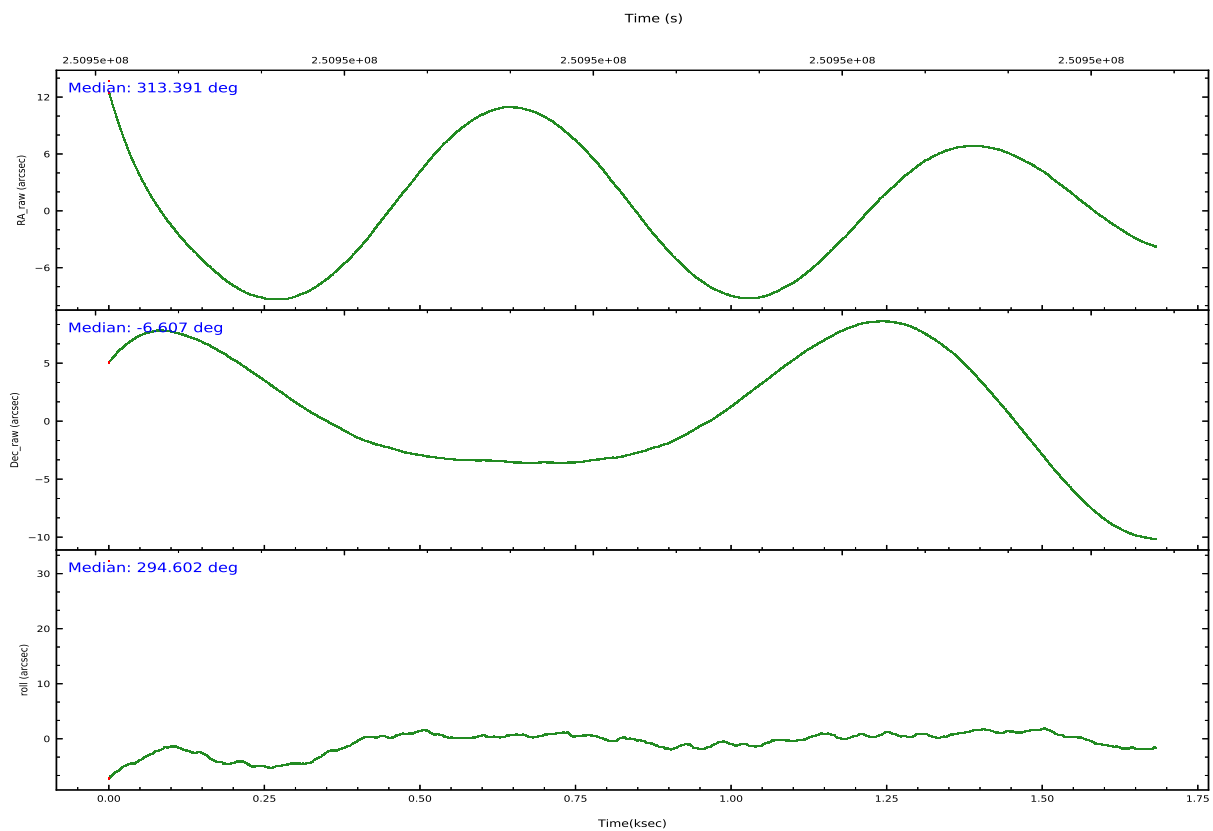
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	546	584	1562	610	735	1415
	3%	3%	10%	3%	7%	7%
grade 1 events	5	7	118	9	17	10
	0%	0%	0%	0%	0%	0%
grade 2 events	344	313	2970	324	1399	1174
	1%	1%	19%	2%	14%	5%
grade 3 events	123	162	512	174	604	581
	0%	0%	3%	1%	6%	2%
grade 4 events	158	152	475	164	550	512
	0%	0%	3%	1%	5%	2%
grade 5 events	252	307	1203	340	942	542
	1%	1%	7%	2%	9%	2%
grade 6 events	226	215	3750	234	2309	1413
	1%	1%	24%	1%	24%	7%
grade 7 events	16478	14846	4951	13812	2874	14478
	90%	89%	31%	88%	30%	71%

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	313.368097	313.3863345745	Subarray requested	NONE	NONE
[deg] Pointing Dec	-6.591076	-6.6058230086673	Alternating exposures requested	N	N
[deg] Pointing Roll	294.447348	294.60161589778	[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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	250953404.184000	250951717.27109			
Observation start date	2005-12-14T13:15:40	2005-12-14T12:48:37			
[s] Observation end time (MET)	250954904.184000	250955564.09627			
Observation end date	2005-12-14T13:40:40	2005-12-14T13:52:44			
Read mode	TIMED	TIMED			

2.3 Aspect



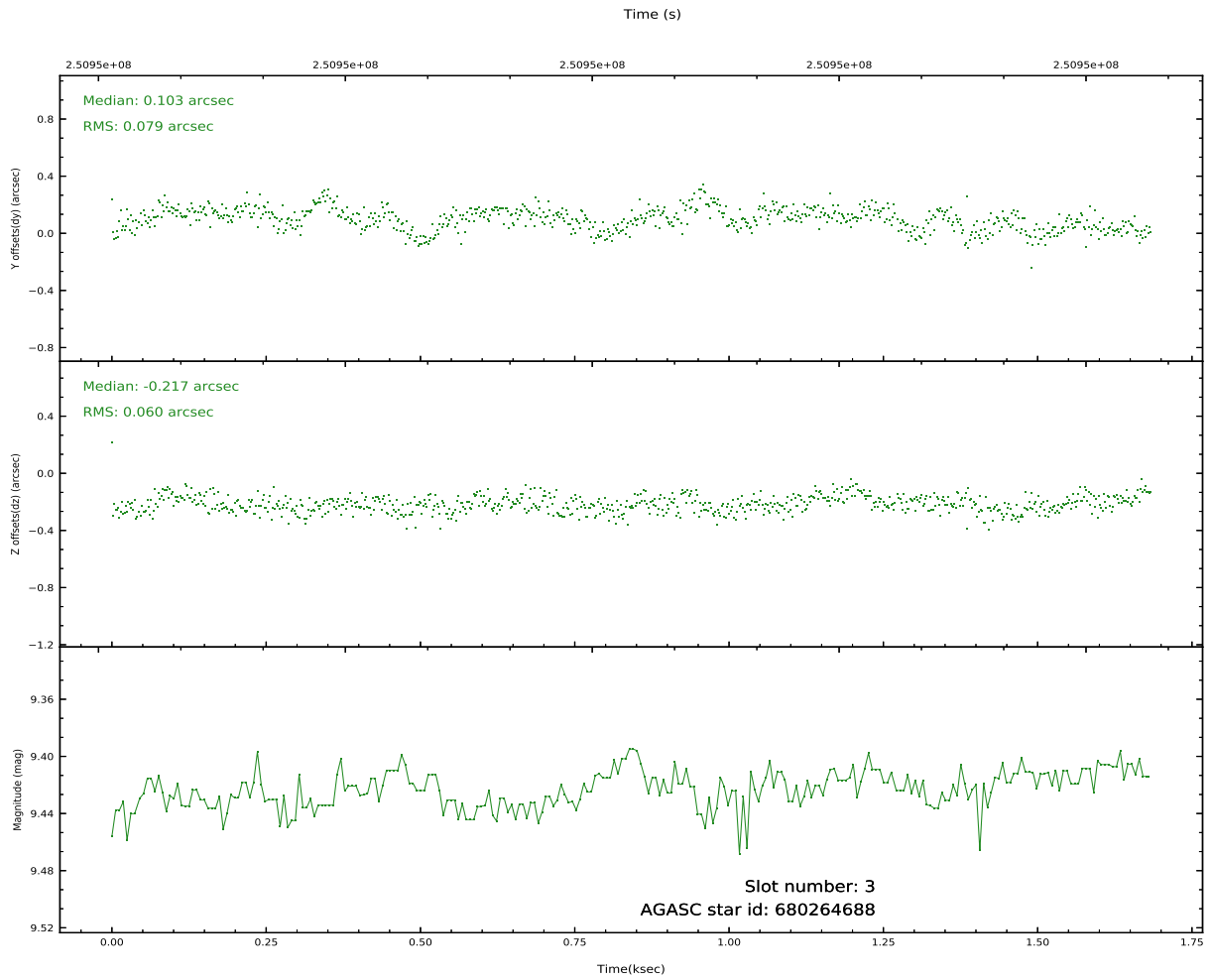
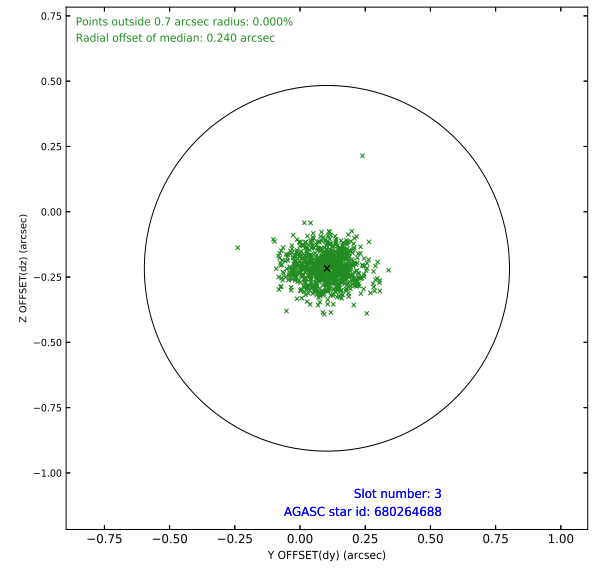
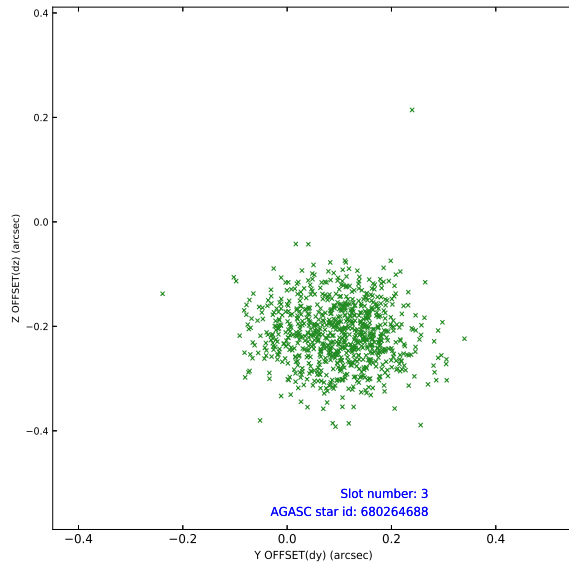


Slot Statistics

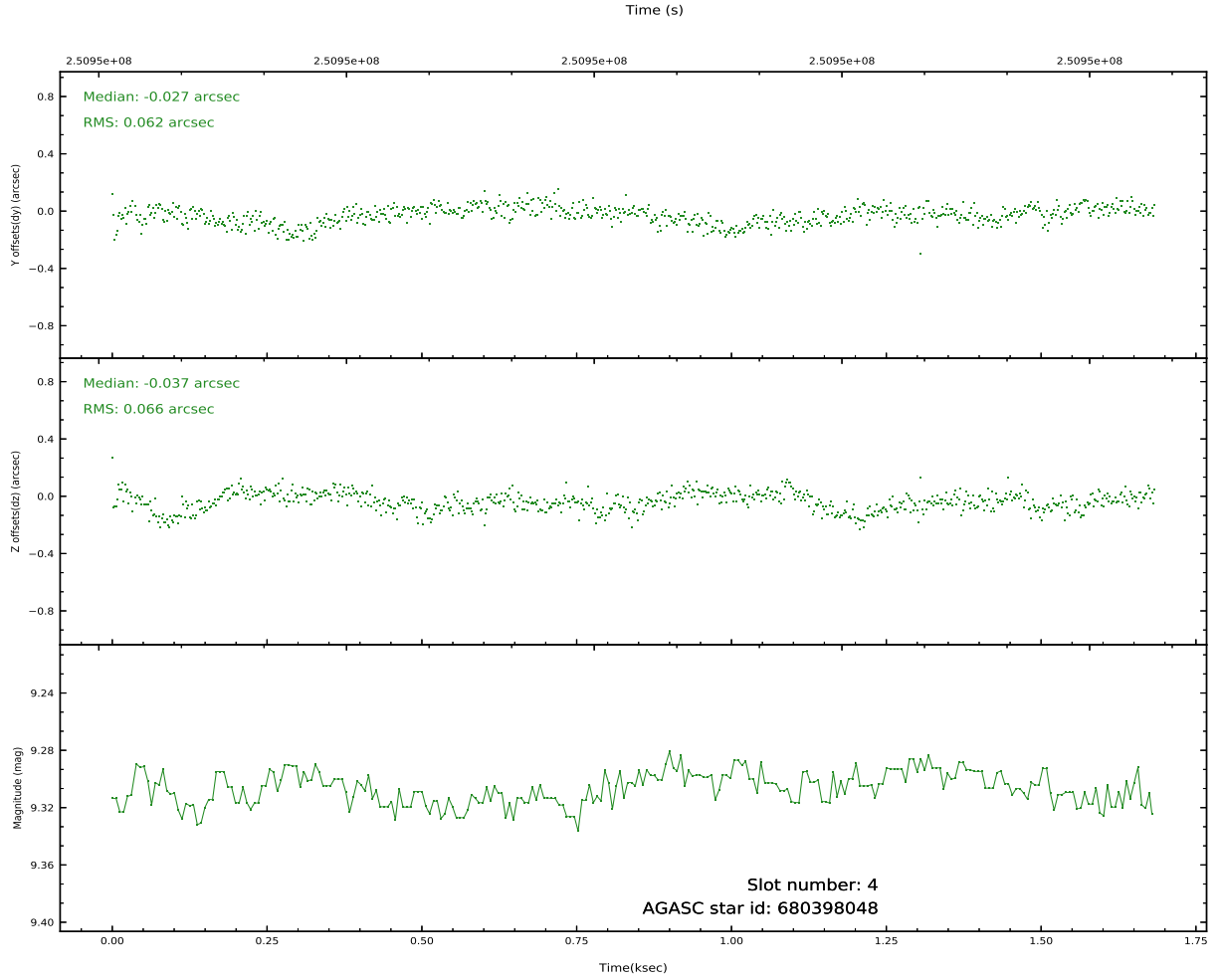
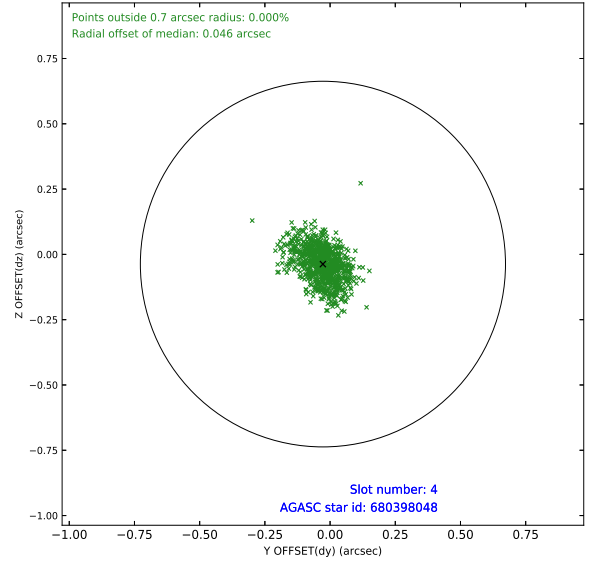
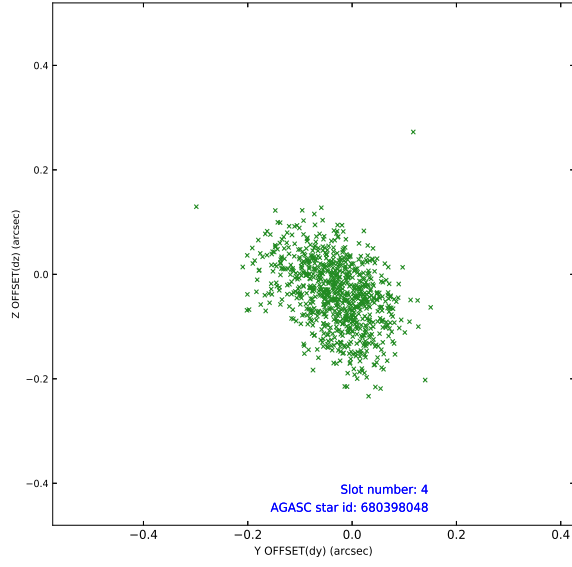
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	411	1.000	-0.033	-0.075	0.006	0.010	0.000000	0.000000	-760.70	-1734
1	FID		ACIS-S-4	7.19	411	1.000	0.140	0.036	0.005	0.009	0.000000	0.000000	2150.95	170
2	FID		ACIS-S-5	7.23	411	1.000	-0.139	0.048	0.006	0.010	0.000000	0.000000	-1808.63	168
3	GUIDE	used	680264688	9.42	820	1.000	0.103	-0.217	0.104	0.174	313.039263	-7.372857	2077.85	-2233
4	GUIDE	used	680398048	9.31	821	1.000	-0.027	-0.037	0.096	0.157	313.210261	-7.080261	1373.79	-1245
5	GUIDE	used	680399904	8.90	822	1.000	-0.122	-0.055	0.069	0.110	313.171121	-6.805090	412.61	-961
6	GUIDE	used	680403080	9.26	822	1.000	-0.127	-0.004	0.073	0.116	313.391450	-6.240703	-1112.29	596
7	GUIDE	used	680404648	8.37	821	1.000	0.181	0.313	0.058	0.101	314.162602	-6.956999	2376.02	2039

2.4 Star Slots

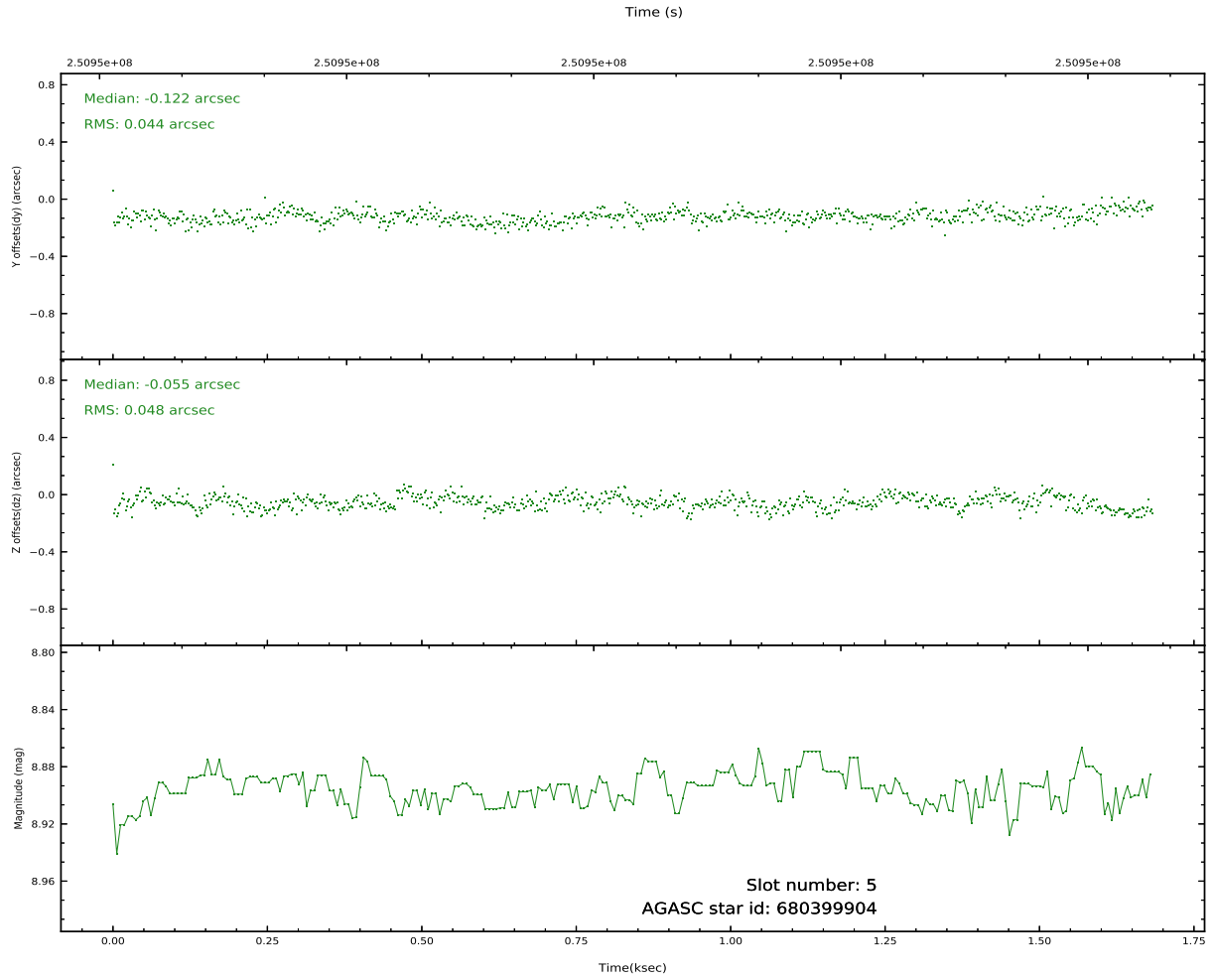
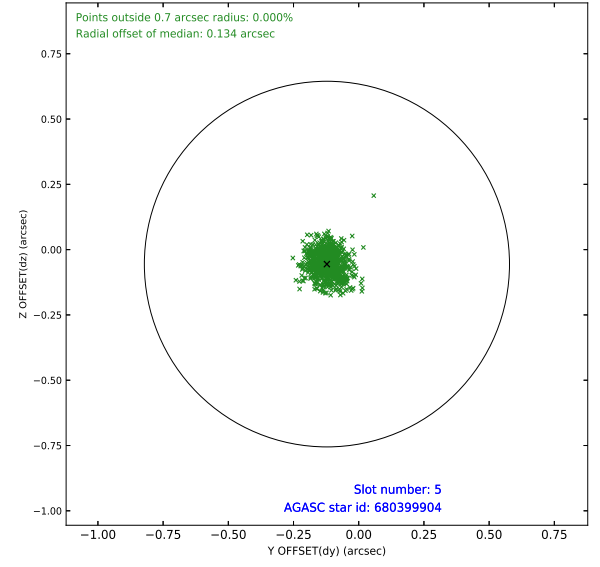
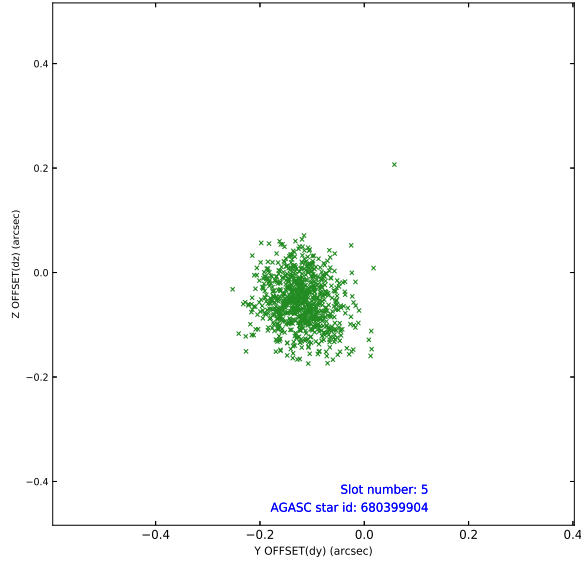
2.4.1 Slot 3



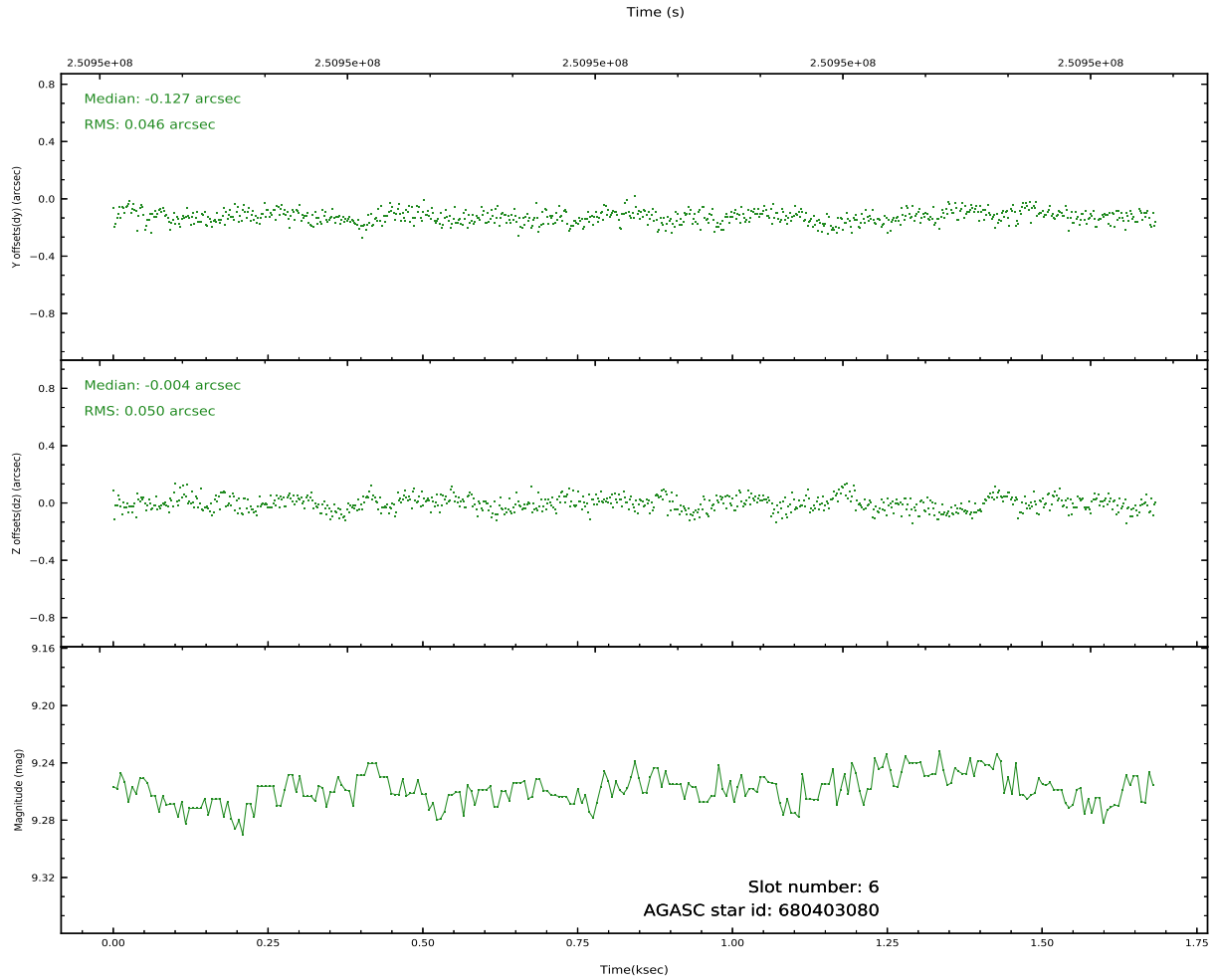
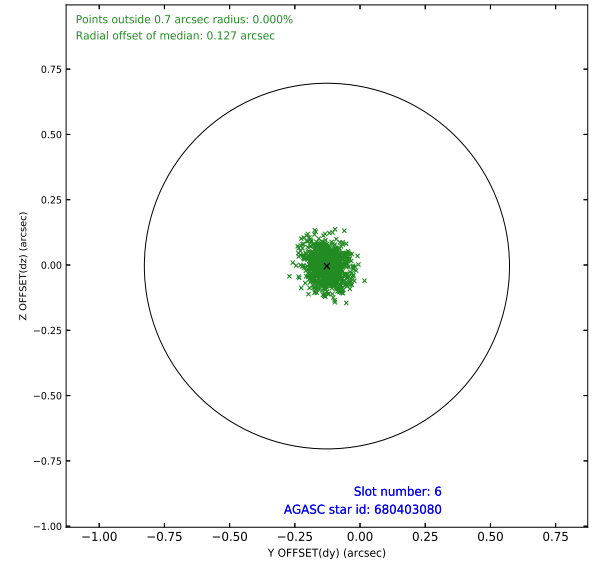
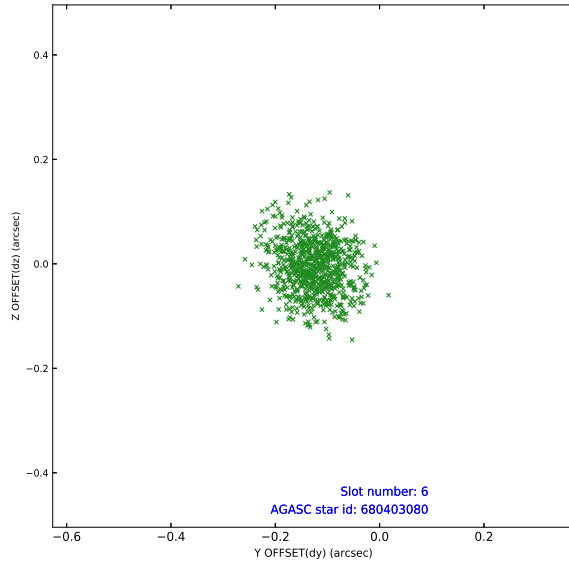
2.4.2 Slot 4



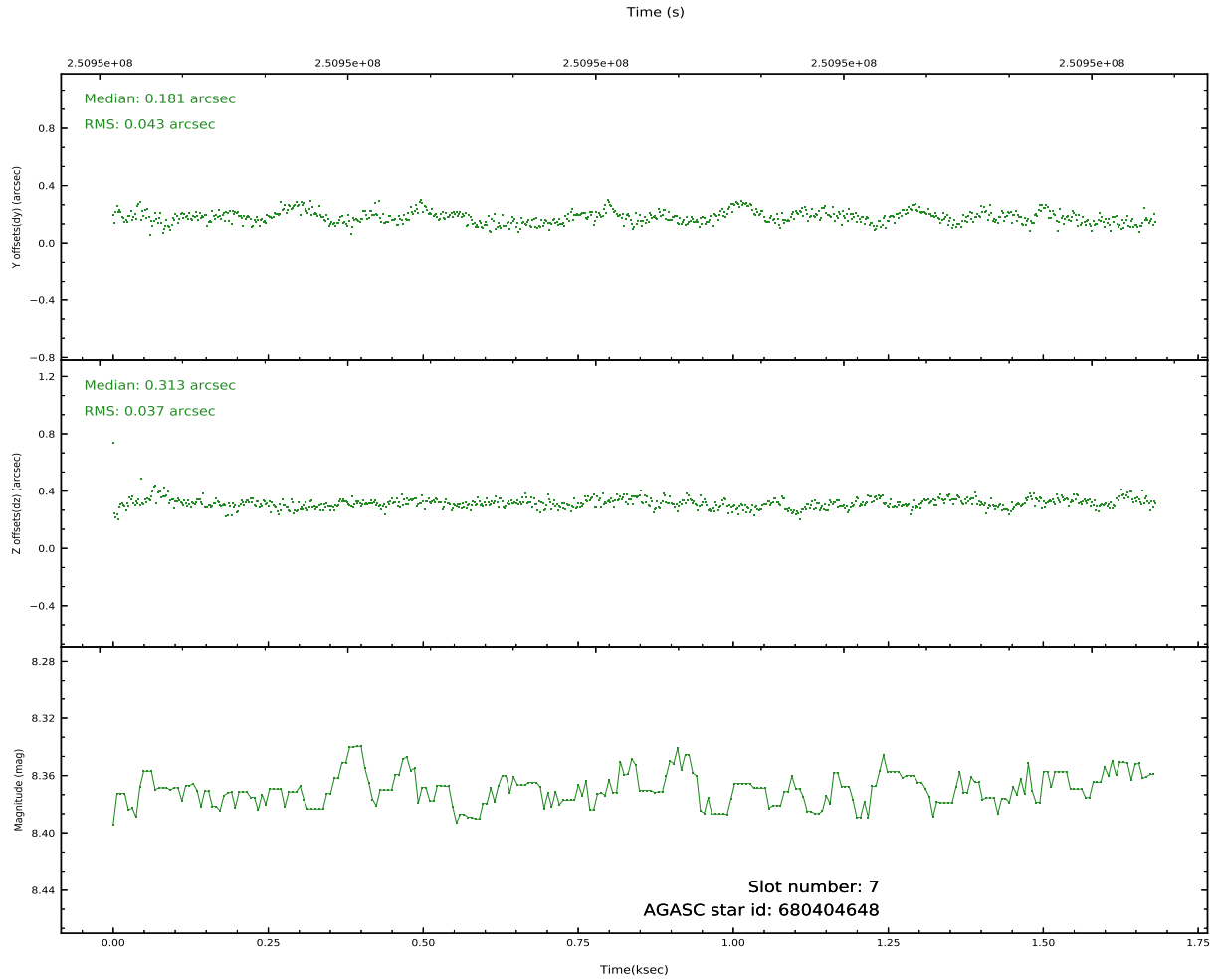
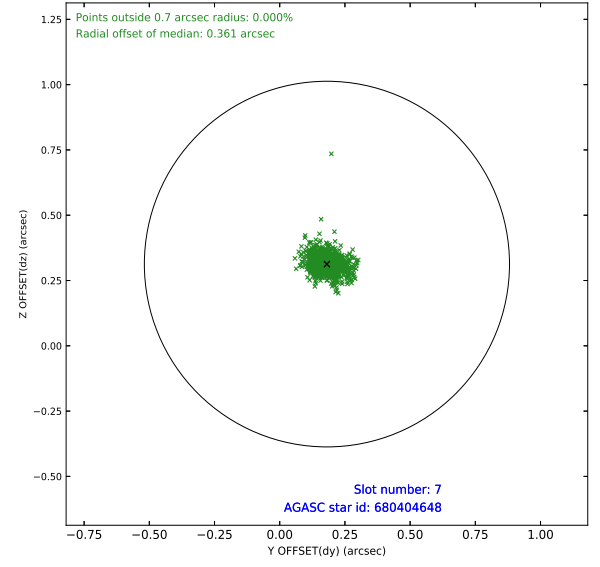
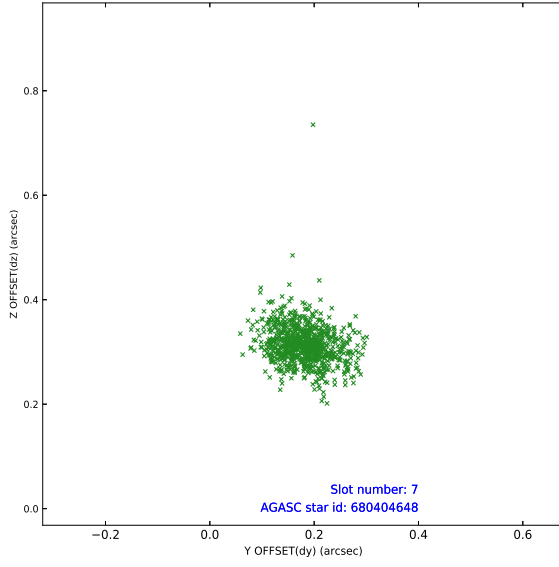
2.4.3 Slot 5



2.4.4 Slot 6

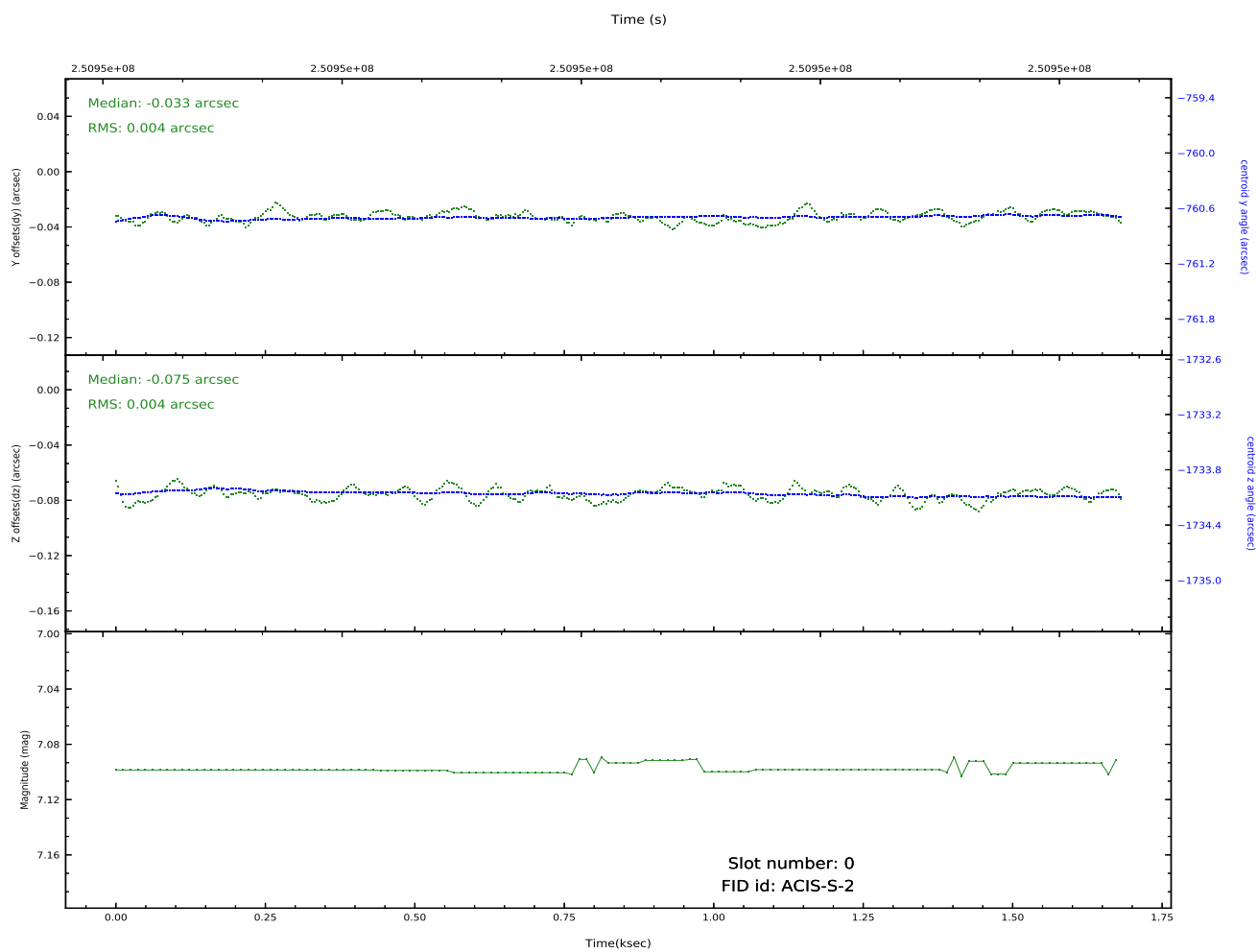
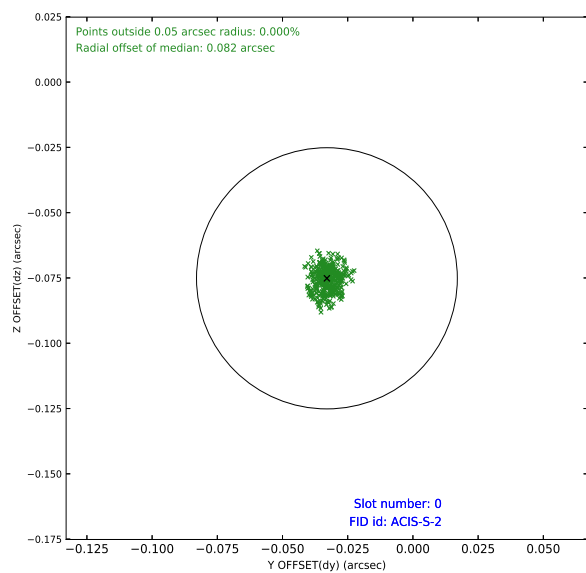
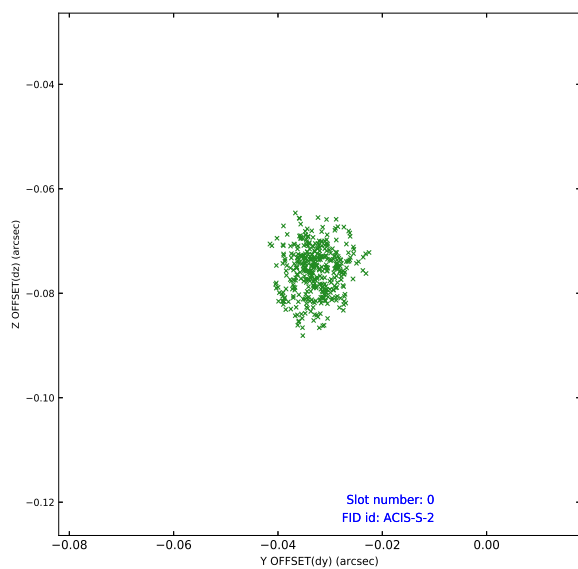


2.4.5 Slot 7

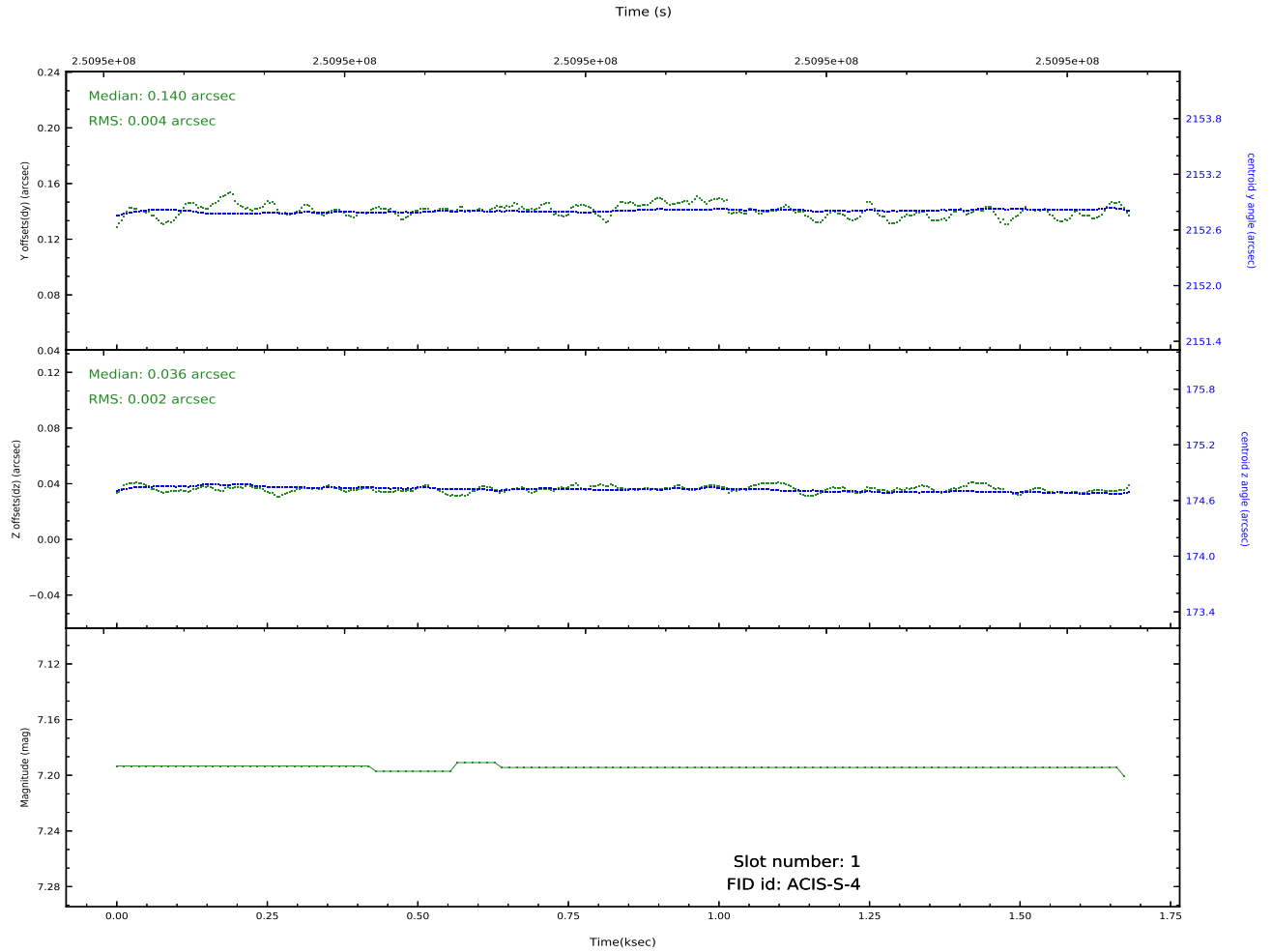
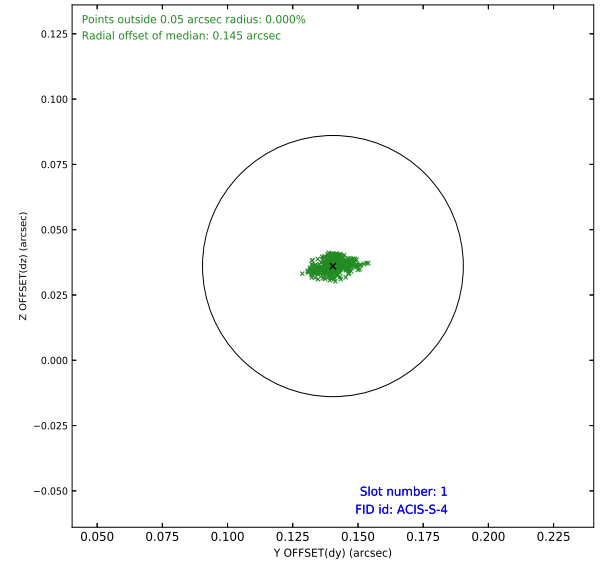
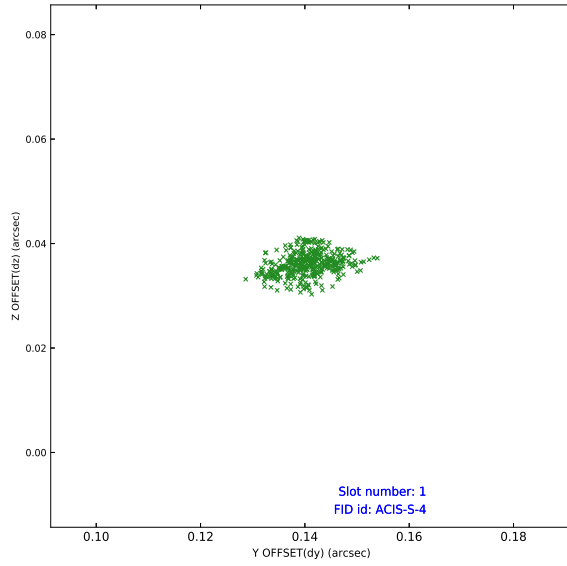


2.5 FID Slots

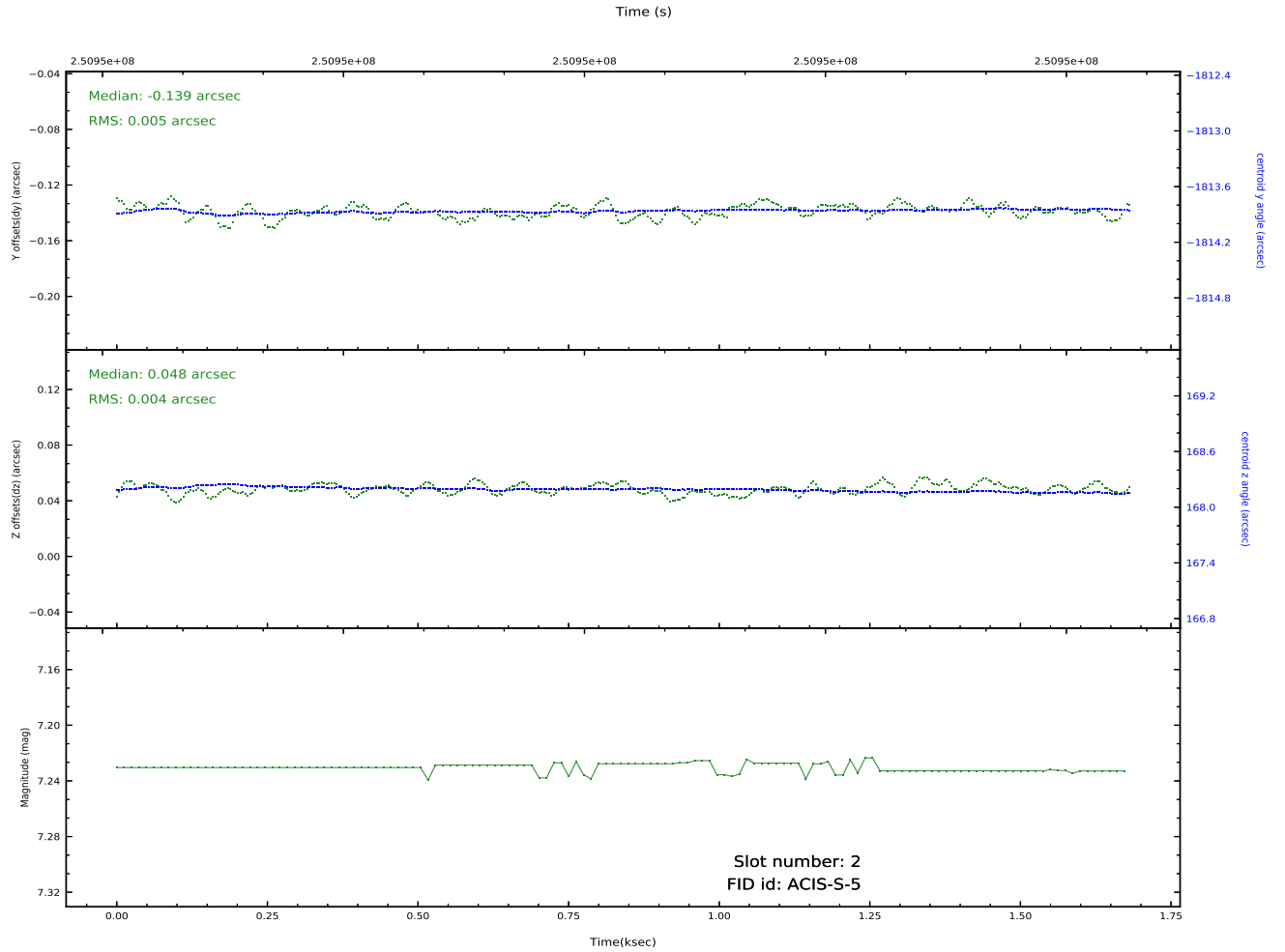
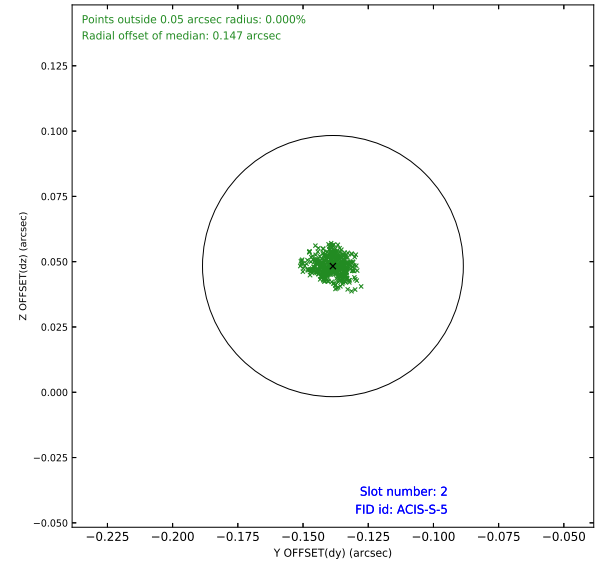
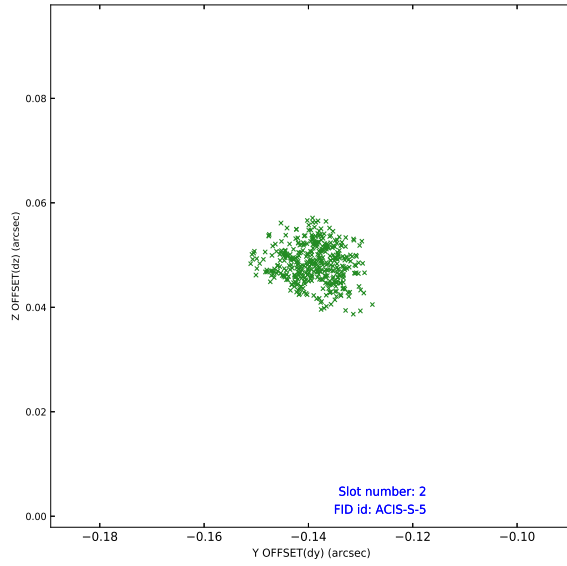
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Francesca Civano
V&V Date (YYYY-MM-DD)	2020.10.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.673599

A.2 Comments