

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 4660 - L2 Version 4
Chandra X-Ray Center

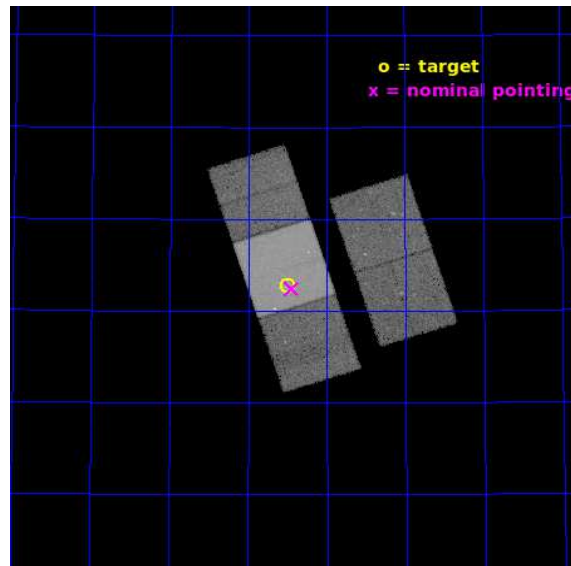
L2 Processing Date : Sep 26 2020

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1 Front

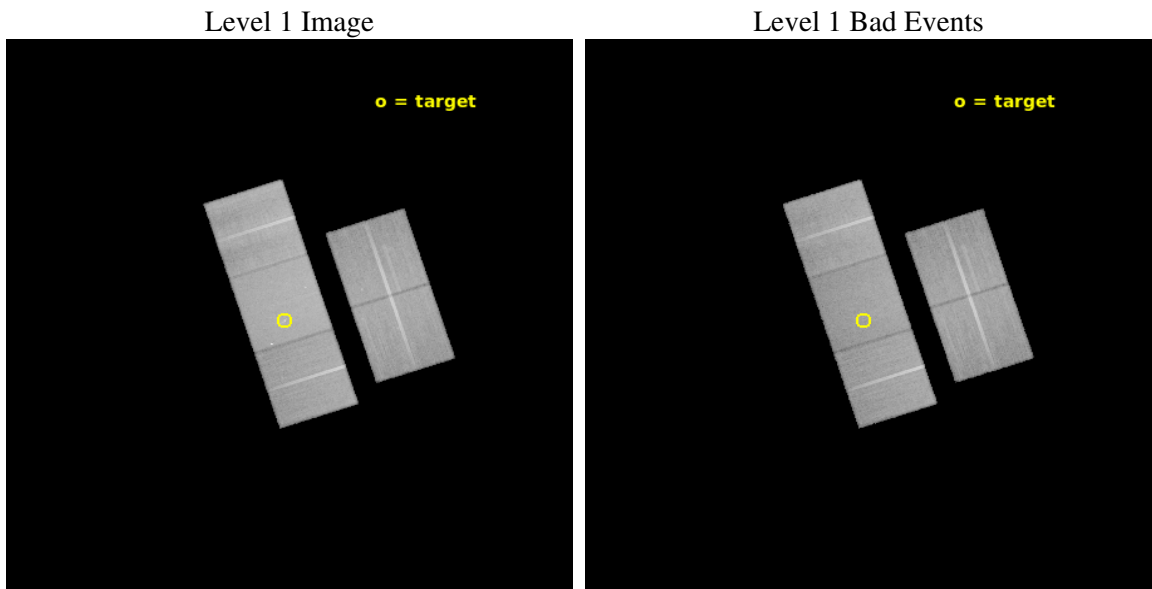
seq_num	500479	Sequence number
obs_id	4660	Observation id
title	In-depth Study of the Nearest Collapsars	Proposal title
observer	Professor Shri Kulkarni	Principal investigator
object	SN2004C	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	171.87375	Observer's specified target RA [deg]
dec_targ	56.880028	Observer's specified target Dec [deg]
ra_nom	171.86110000563	Nominal RA [deg]
dec_nom	56.873867227864	Nominal Dec [deg]
roll_nom	251.86651403457	Nominal Roll [deg]
revision	4	Processing version of data
ontime	38805.799925357	Sum of GTIs [s]
livetime	38298.773580918	Livetime [s]
ontime2	38799.517964959	Sum of GTIs [s]
ontime3	38796.377034605	Sum of GTIs [s]
ontime6	38799.517964989	Sum of GTIs [s]
ontime7	38805.799925357	Sum of GTIs [s]
ontime8	38802.658935189	Sum of GTIs [s]
l2events	278806	Number of level 2 events



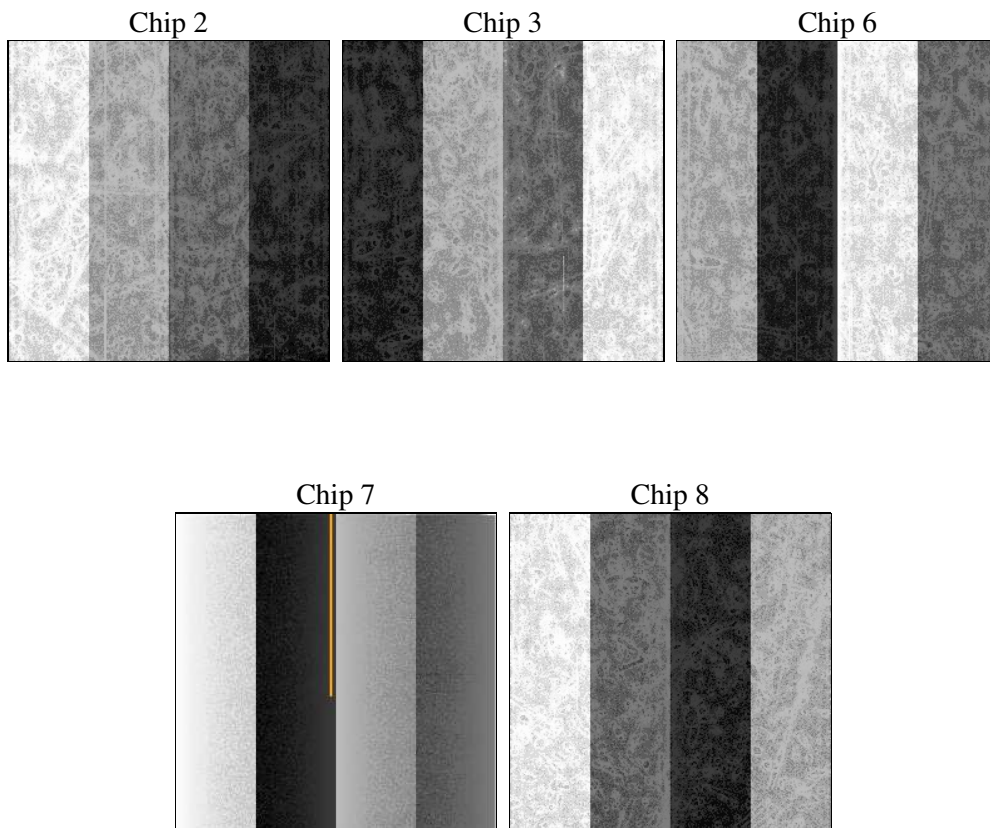
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	38629.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	38805.799925357	Sum of GTIs [s]
caldsver	4.9.2	 	ontime2	38799.517964959	Sum of GTIs [s]
date	2020-09-26T10:32:50	Date and time of file creation	ontime3	38796.377034605	Sum of GTIs [s]
revision	4	Processing version of data	ontime6	38799.517964989	Sum of GTIs [s]
			ontime7	38805.799925357	Sum of GTIs [s]
			ontime8	38802.658935189	Sum of GTIs [s]
			l1events	1640560	Number of level 1 events

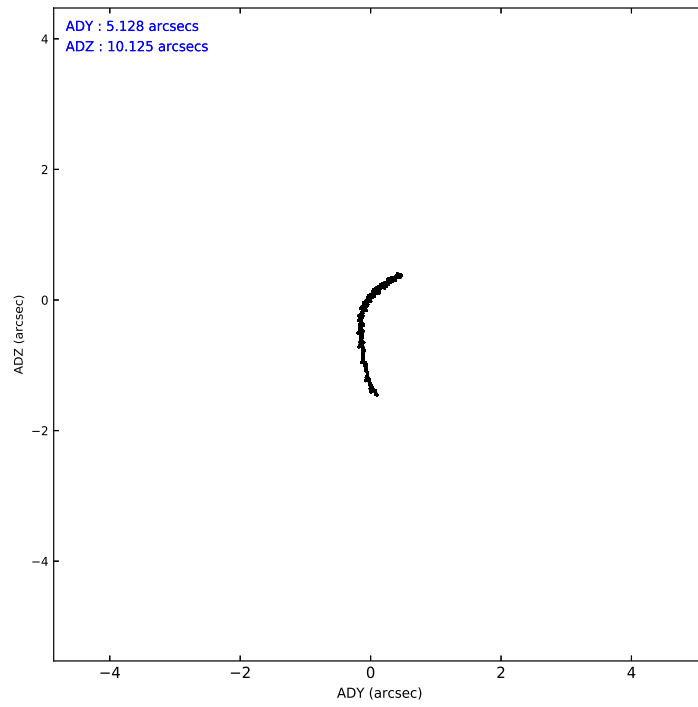
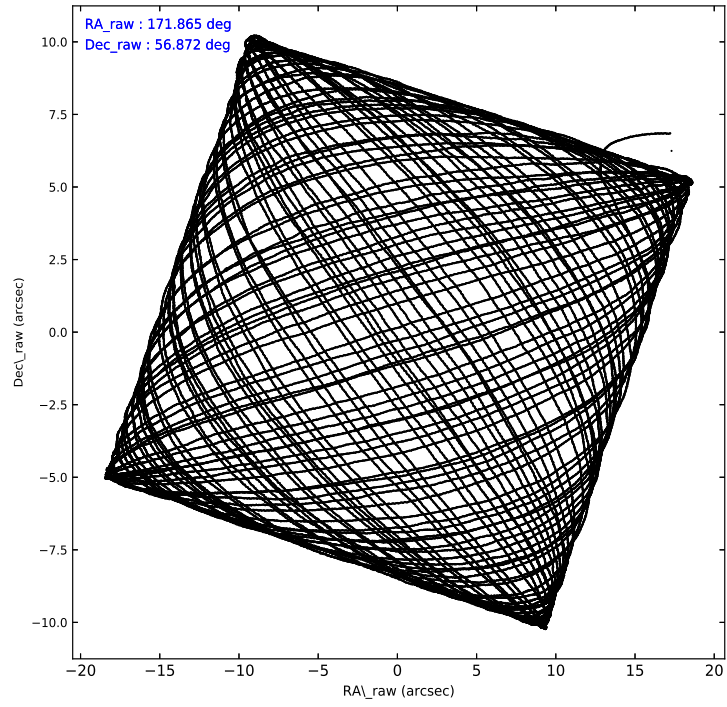
2.1.4 Events

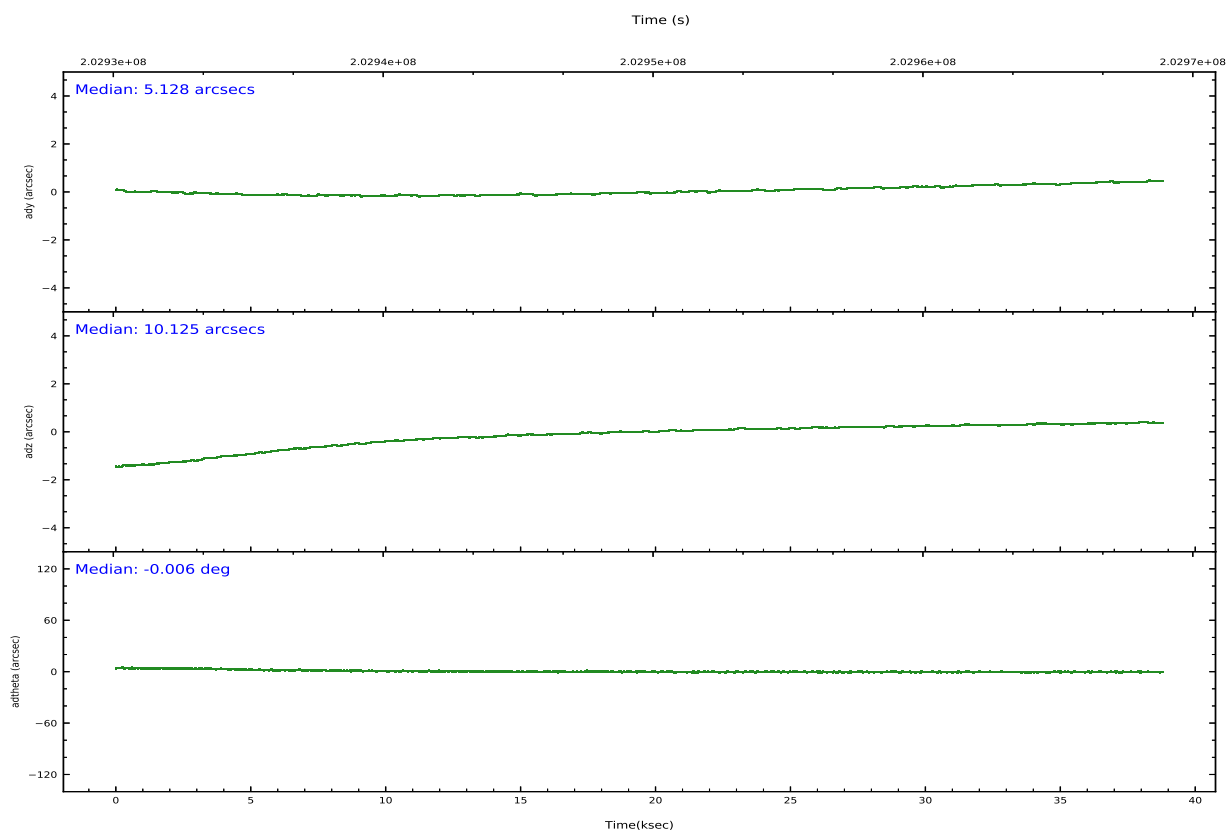
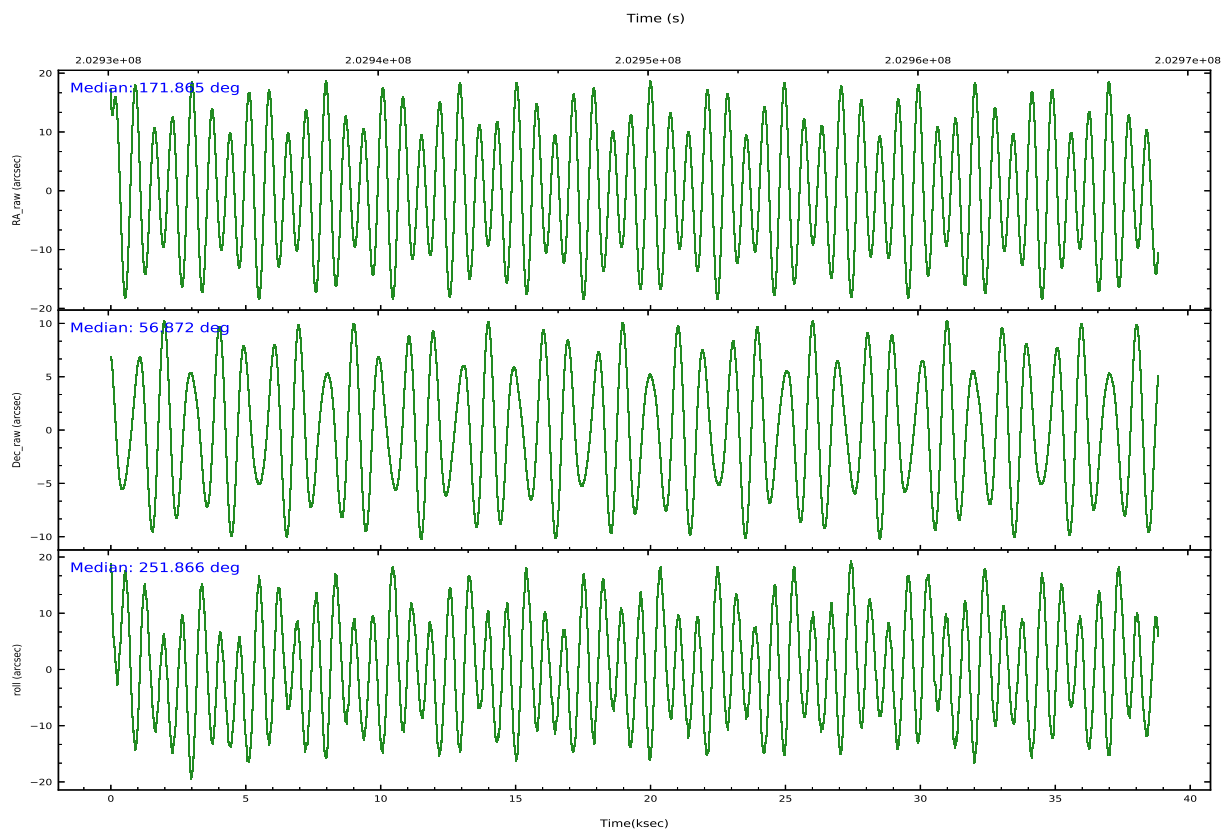
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	287951	286275	297312	397010	372012	grade 0 events	15059	14974	13041	15141	23928
rejected events	254571	252769	263912	234053	295845		5%	5%	4%	3%	6%
rejected %	88%	88%	88%	58%	79%	grade 1 events	166	176	142	413	274
							0%	0%	0%	0%	0%
						grade 2 events	6854	6421	7062	32876	16971
							2%	2%	2%	8%	4%
						grade 3 events	3255	3388	3361	14642	8145
							1%	1%	1%	3%	2%
						grade 4 events	3218	3222	3378	14508	7790
							1%	1%	1%	3%	2%
						grade 5 events	11205	12728	13196	37591	17452
							3%	4%	4%	9%	4%
						grade 6 events	5358	5910	6954	87667	20252
							1%	2%	2%	22%	5%
						grade 7 events	242836	239456	250178	194172	277200
							84%	83%	84%	48%	74%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-23678	ACIS-23678	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	171.854466	171.86110000563	Subarray requested	NONE	NONE
[deg] Pointing Dec	56.898070	56.873867227864	Alternating exposures requested	N	N
[deg] Pointing Roll	251.724431	251.86651403457	[s] Primary exposure time	0.000000	3.1
[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)	202930272.184000	202929050.08355			
Observation start date	2004-06-06T17:30:08	2004-06-06T17:10:50			
[s] Observation end time (MET)	202968901.184000	202969302.86033			
Observation end date	2004-06-07T04:13:57	2004-06-07T04:21:42			
Read mode	TIMED	TIMED			

2.3 Aspect



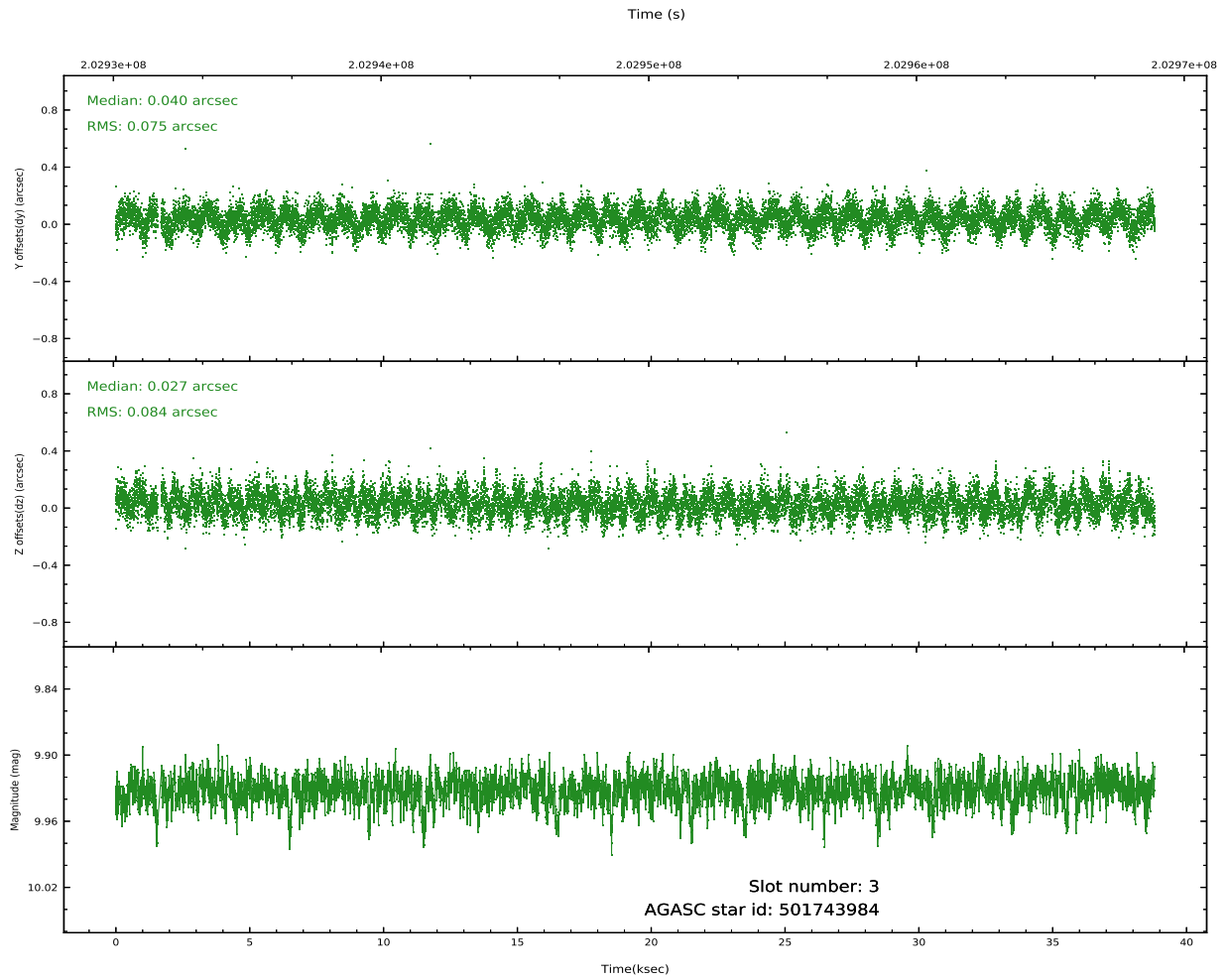
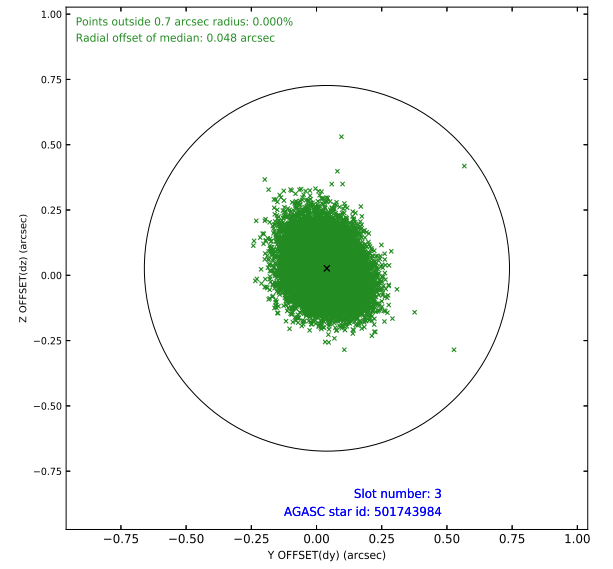
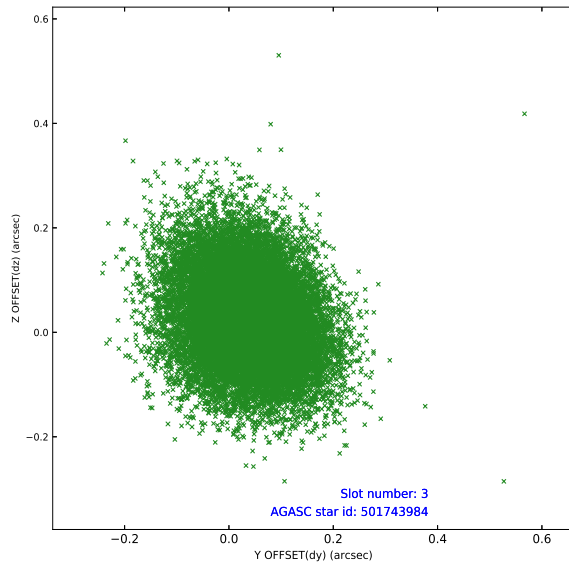


Slot Statistics

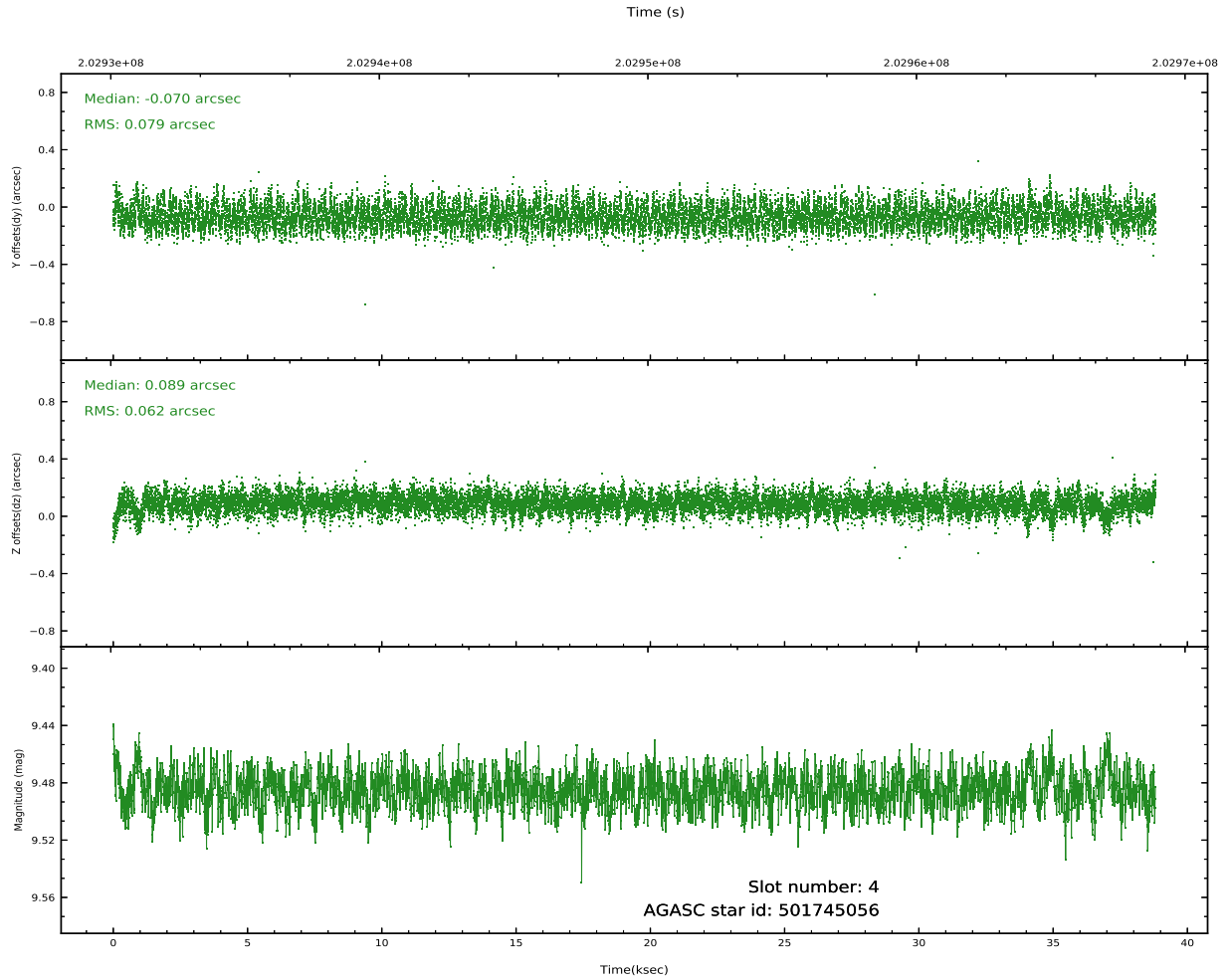
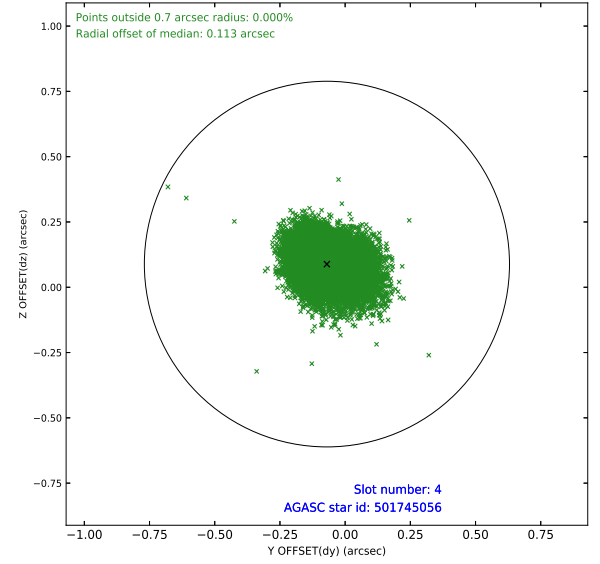
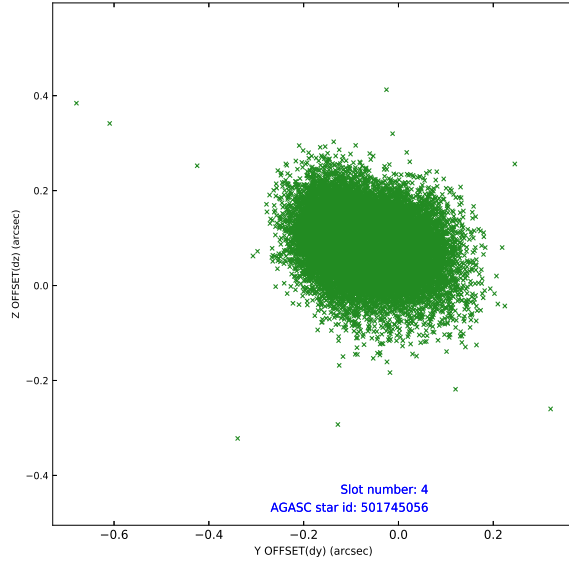
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	9466	1.000	-0.094	-0.063	0.014	0.025	0.000000	0.000000	-757.93	-1731
1	FID		ACIS-S-4	7.20	9466	1.000	0.171	0.062	0.012	0.023	0.000000	0.000000	2155.55	177
2	FID		ACIS-S-5	7.23	9465	1.000	-0.110	0.009	0.018	0.028	0.000000	0.000000	-1810.80	170
3	GUIDE	used	501743984	9.93	18846	1.000	0.040	0.027	0.120	0.194	171.294983	56.867094	447.34	-1011
4	GUIDE	used	501745056	9.49	18925	1.000	-0.070	0.089	0.106	0.173	173.013273	57.050098	-1249.70	1977
5	GUIDE	used	501746360	8.30	18923	1.000	0.130	-0.052	0.057	0.090	171.888954	56.575508	1081.53	429
6	GUIDE	used	501748320	9.53	18917	1.000	-0.032	-0.158	0.114	0.180	170.966165	57.350324	-1015.02	-2151
7	GUIDE	used	501750512	9.84	18907	1.000	-0.073	0.091	0.121	0.194	173.141567	57.249032	-2008.28	1976

2.4 Star Slots

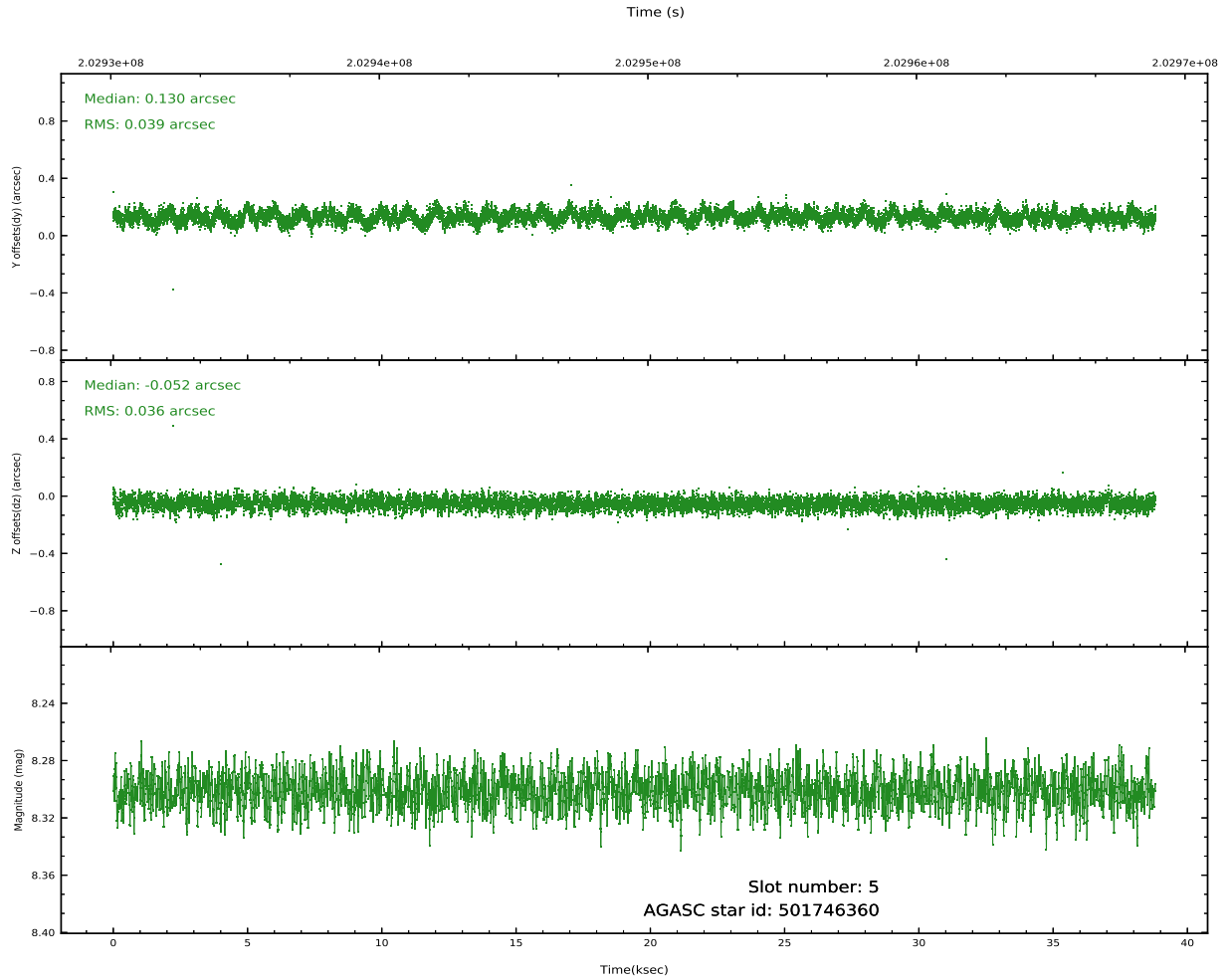
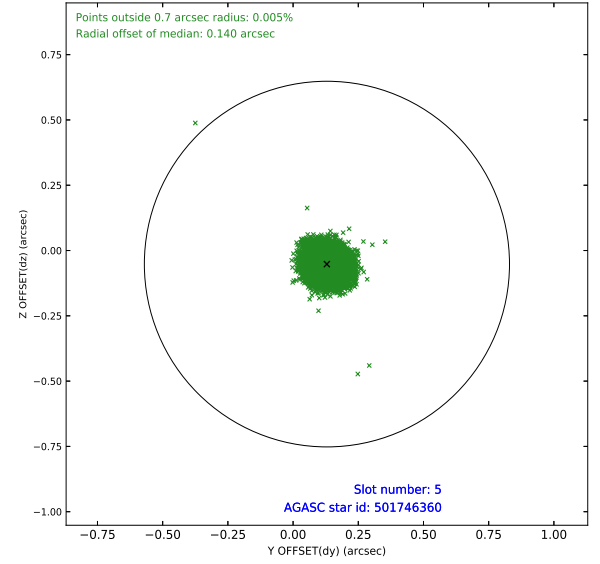
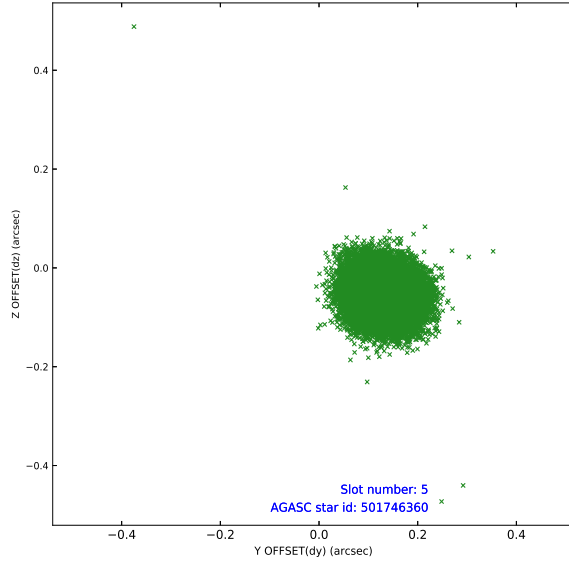
2.4.1 Slot 3



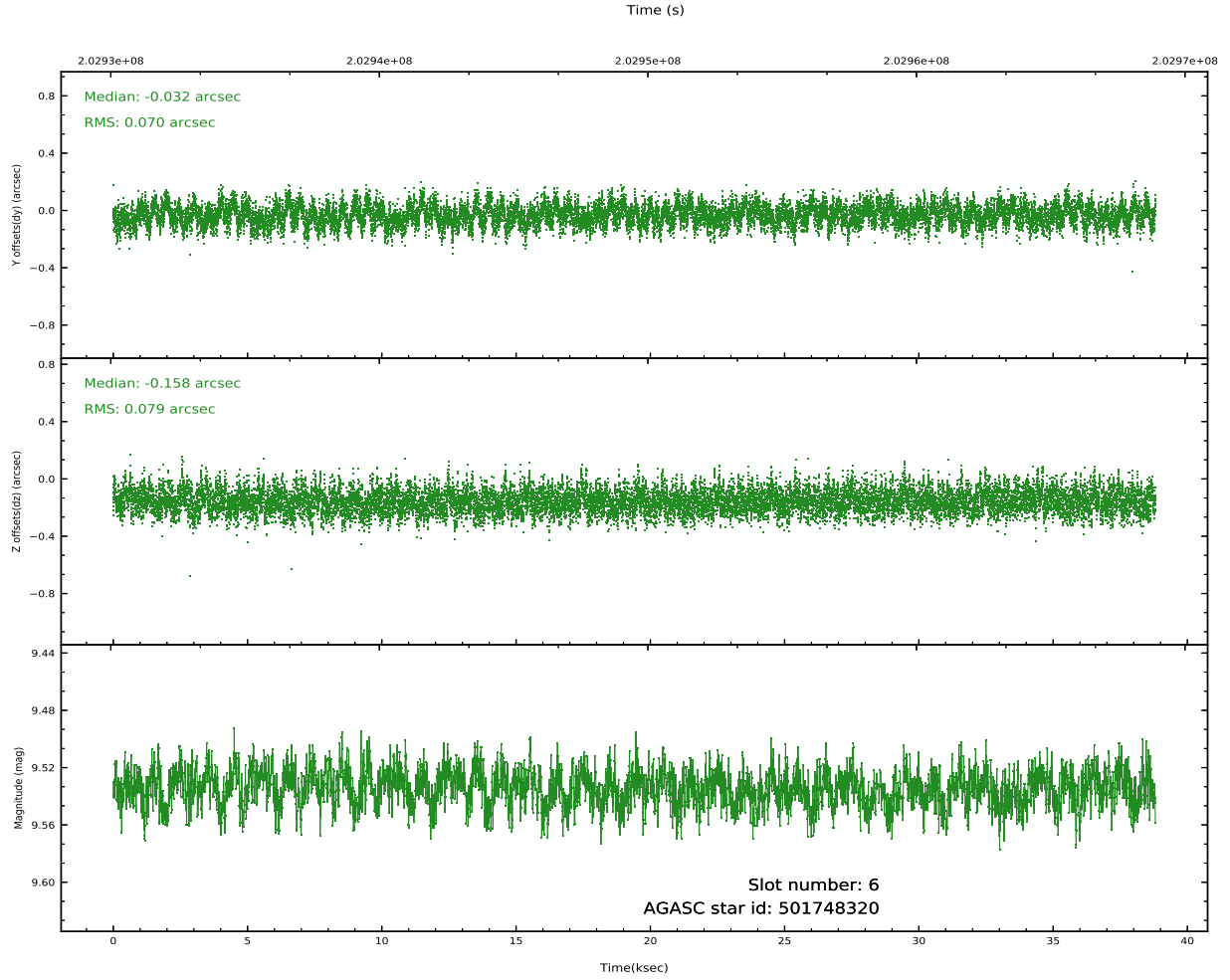
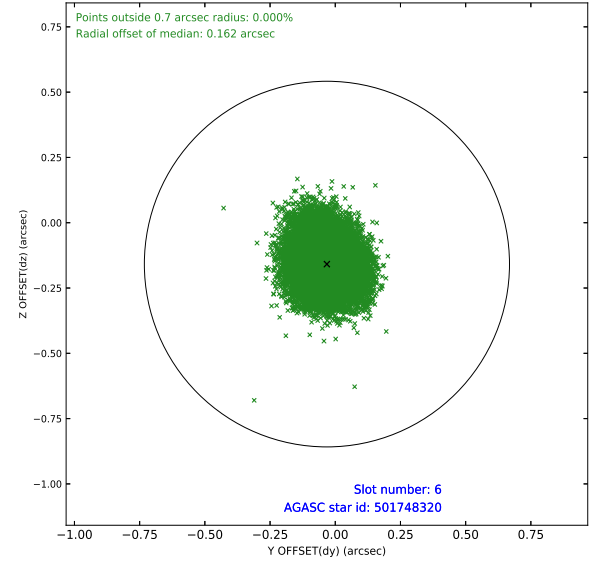
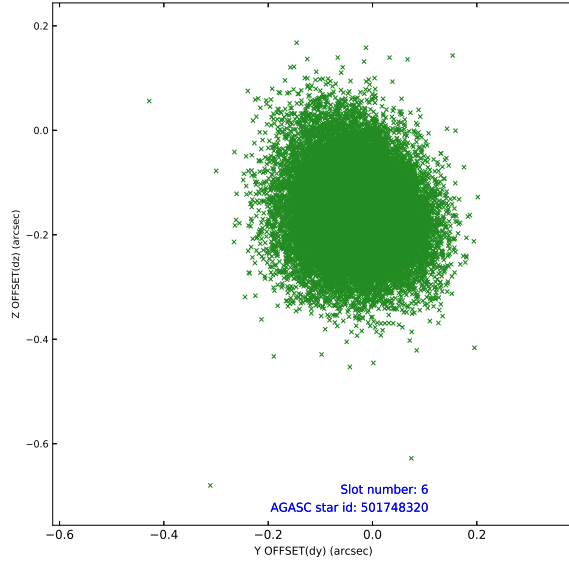
2.4.2 Slot 4



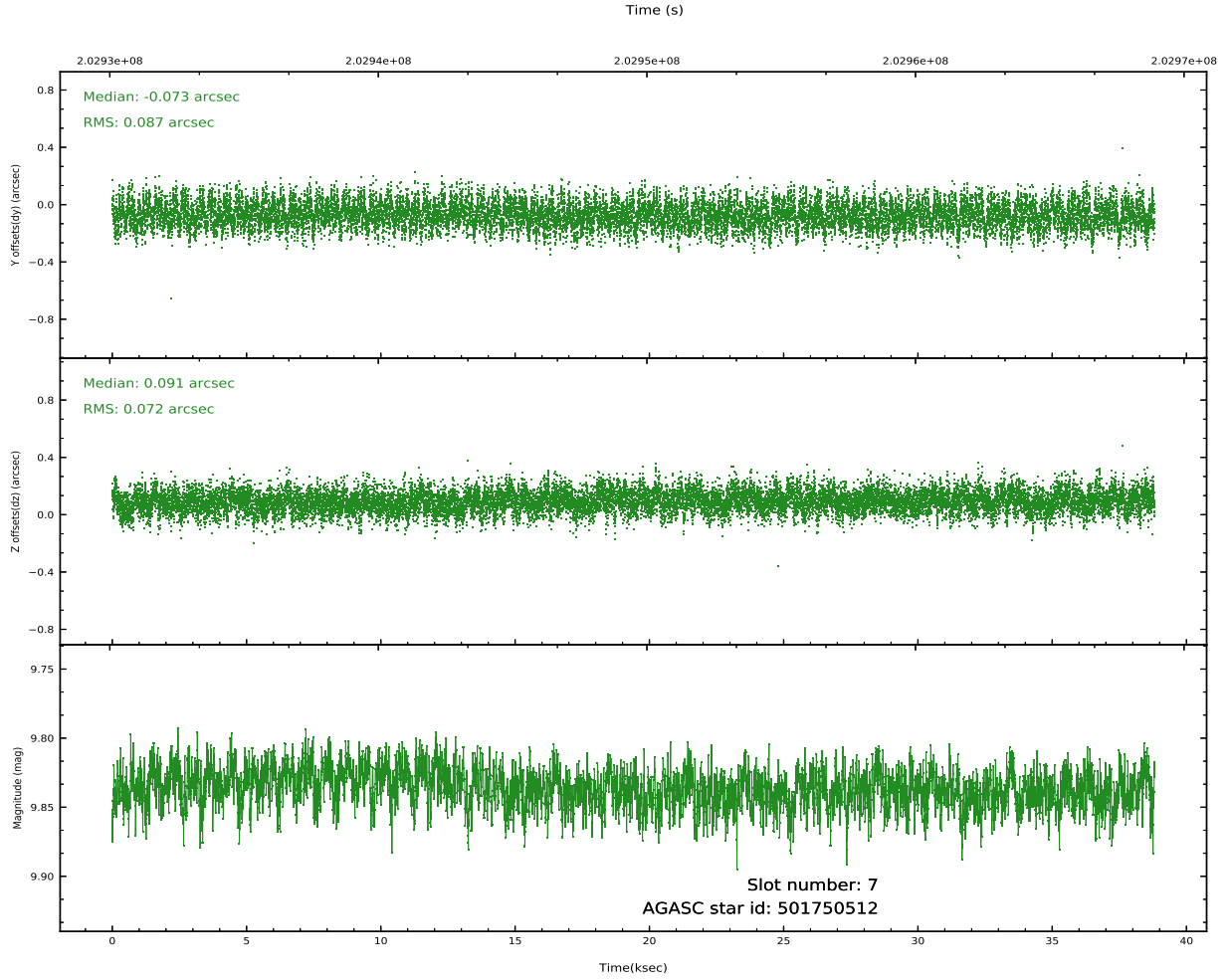
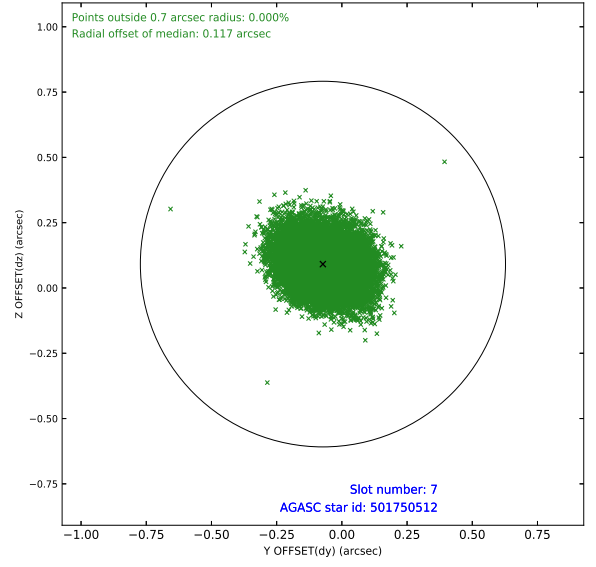
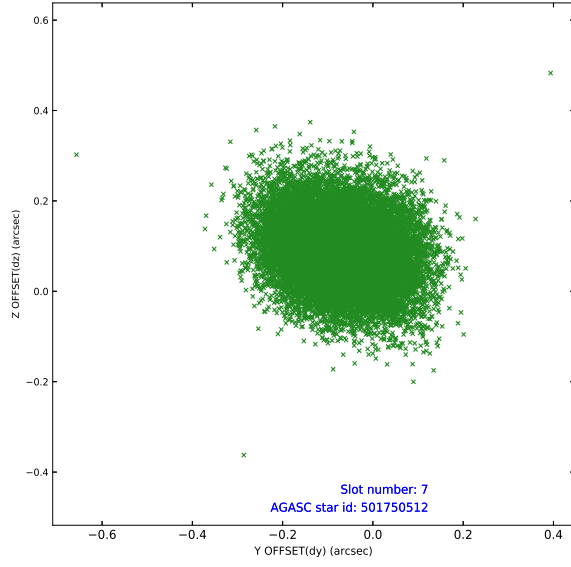
2.4.3 Slot 5



2.4.4 Slot 6

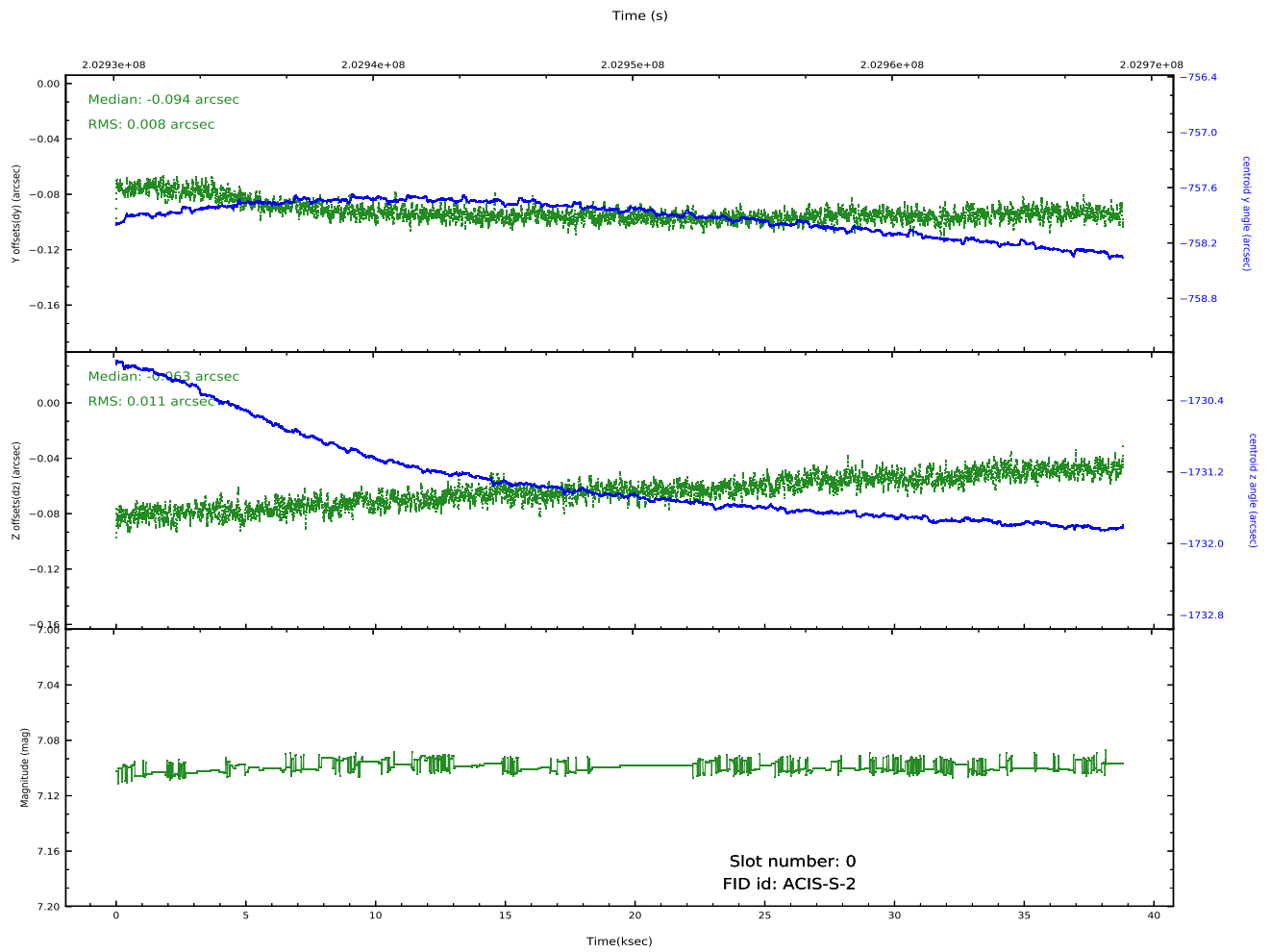
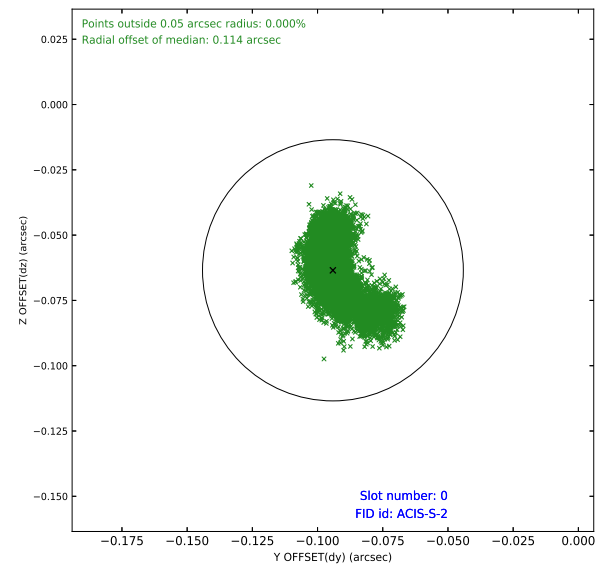
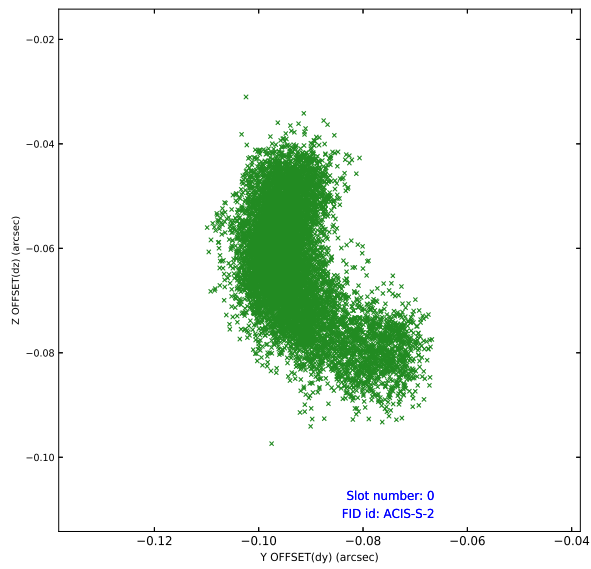


2.4.5 Slot 7

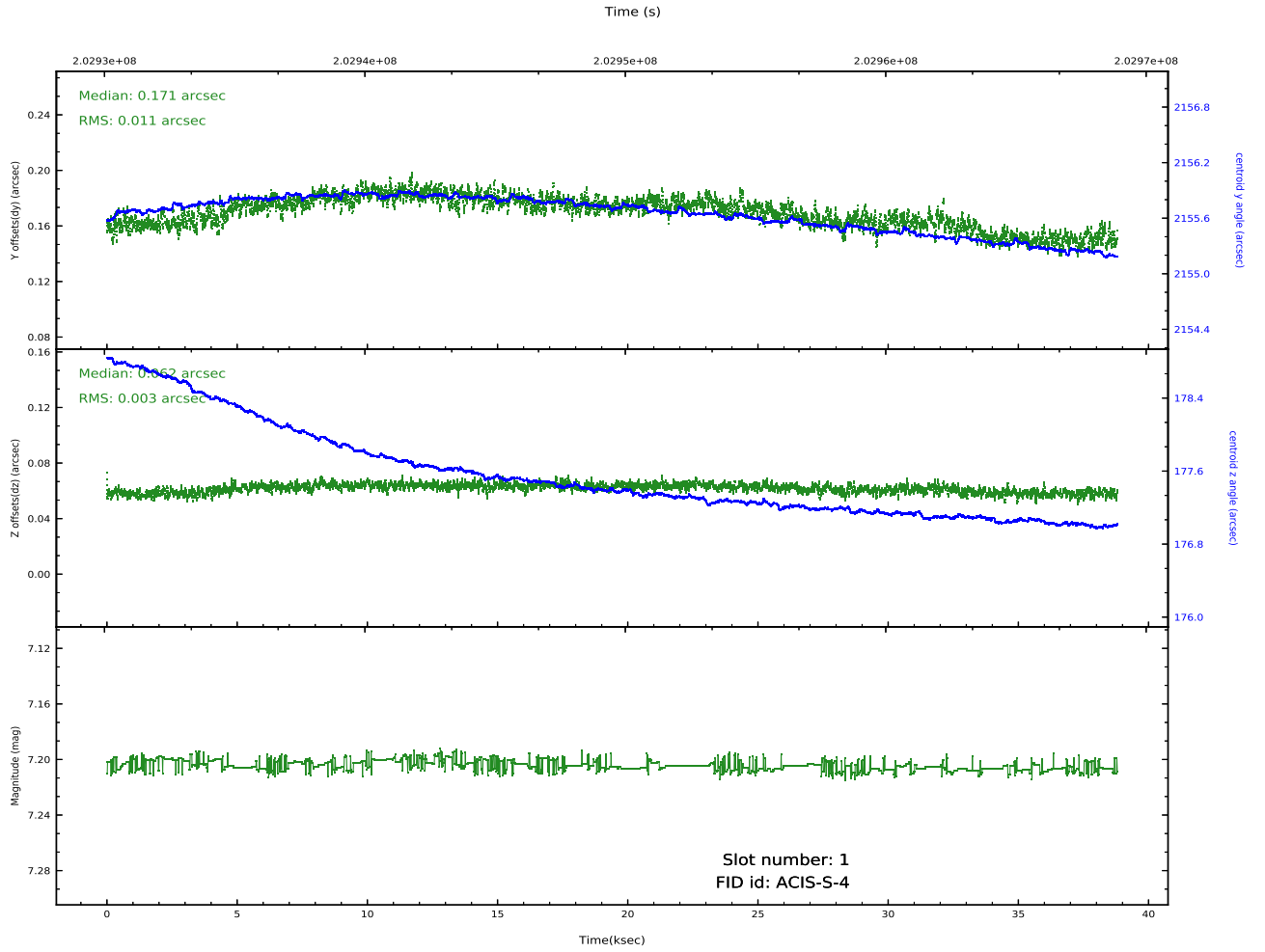
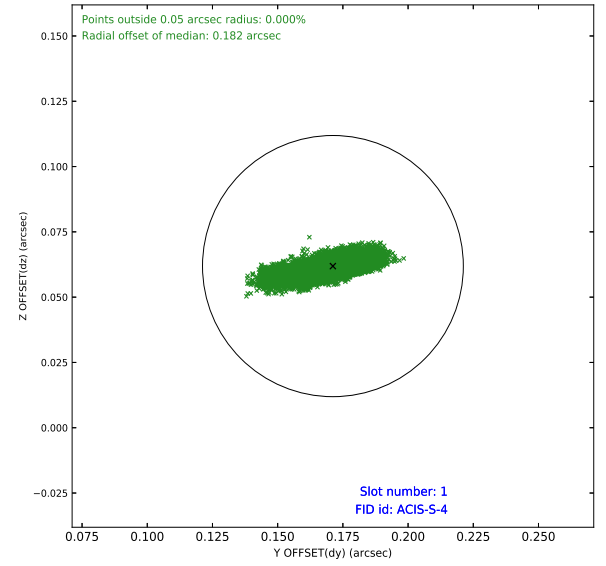
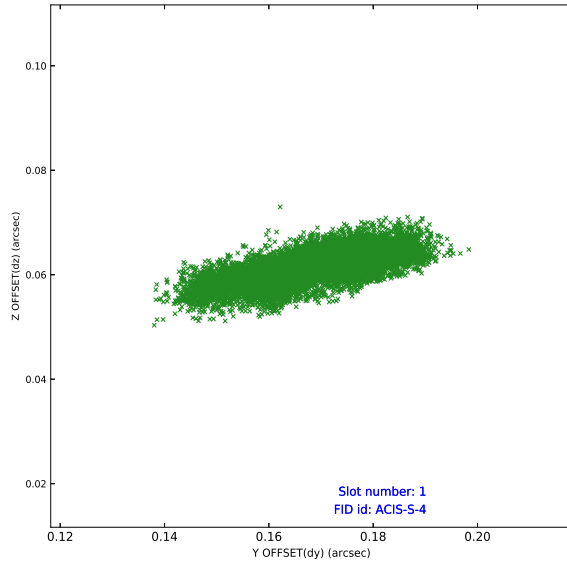


2.5 FID Slots

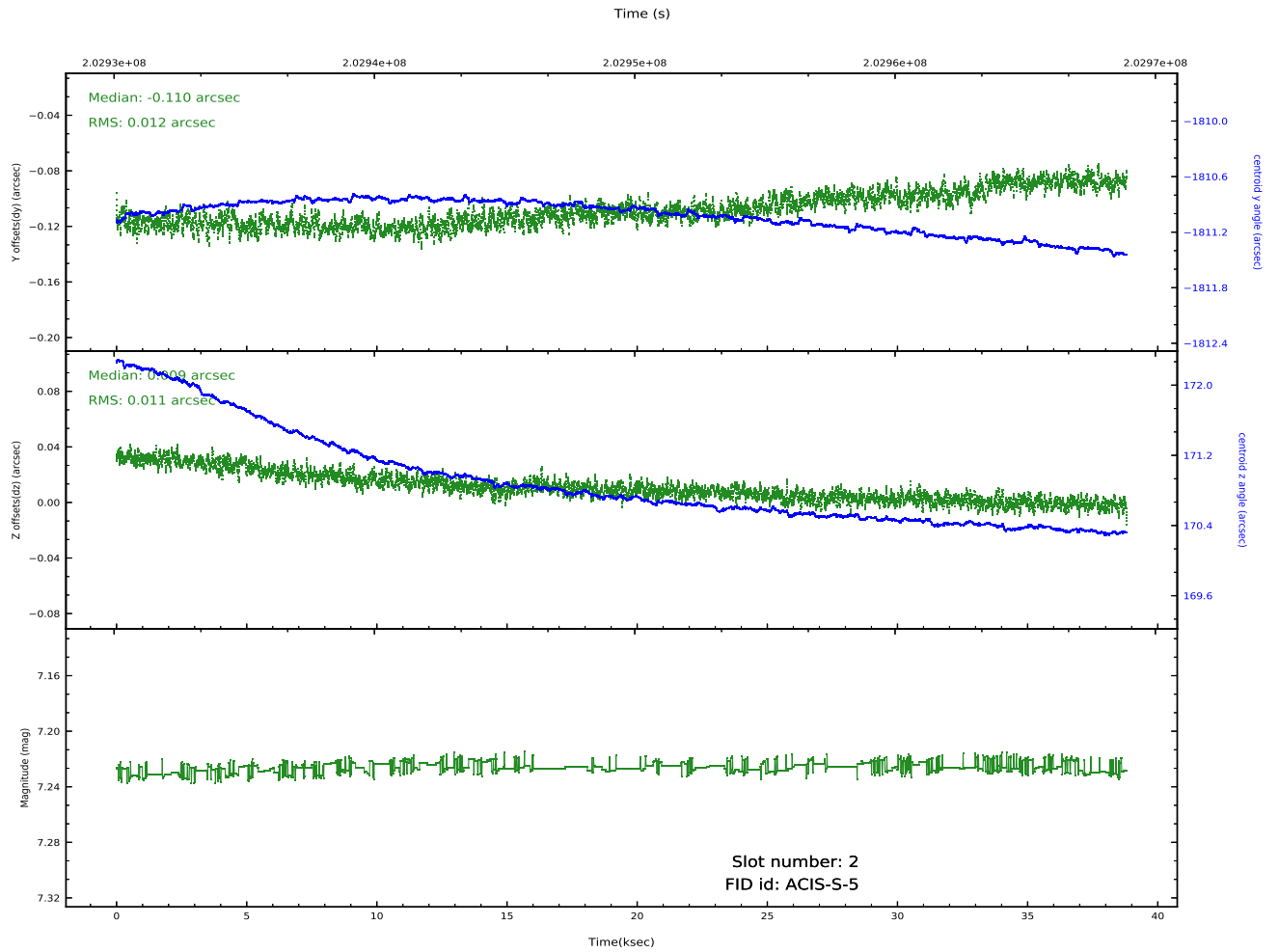
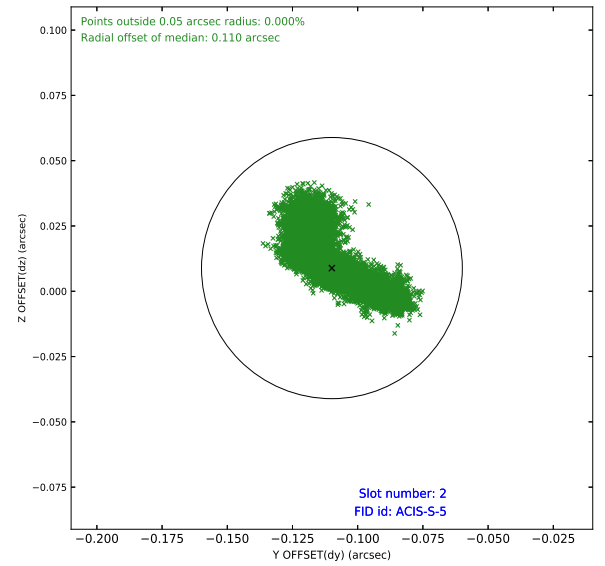
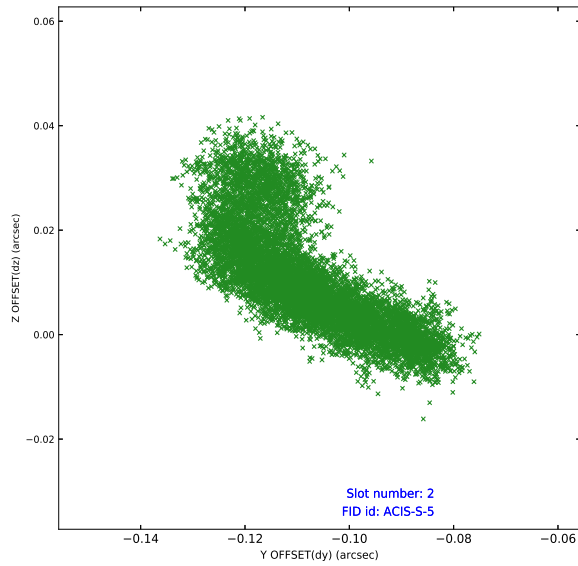
2.5.1 Slot 0



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)	2020.09.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	38.805

A.2 Comments

Monitor constraint met.