

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 6997 - L2 Version 4
Chandra X-Ray Center

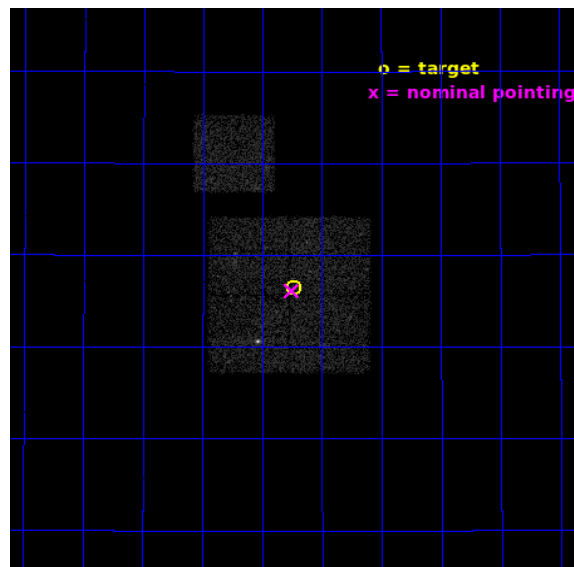
L2 Processing Date : Oct 11 2020

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1 Front

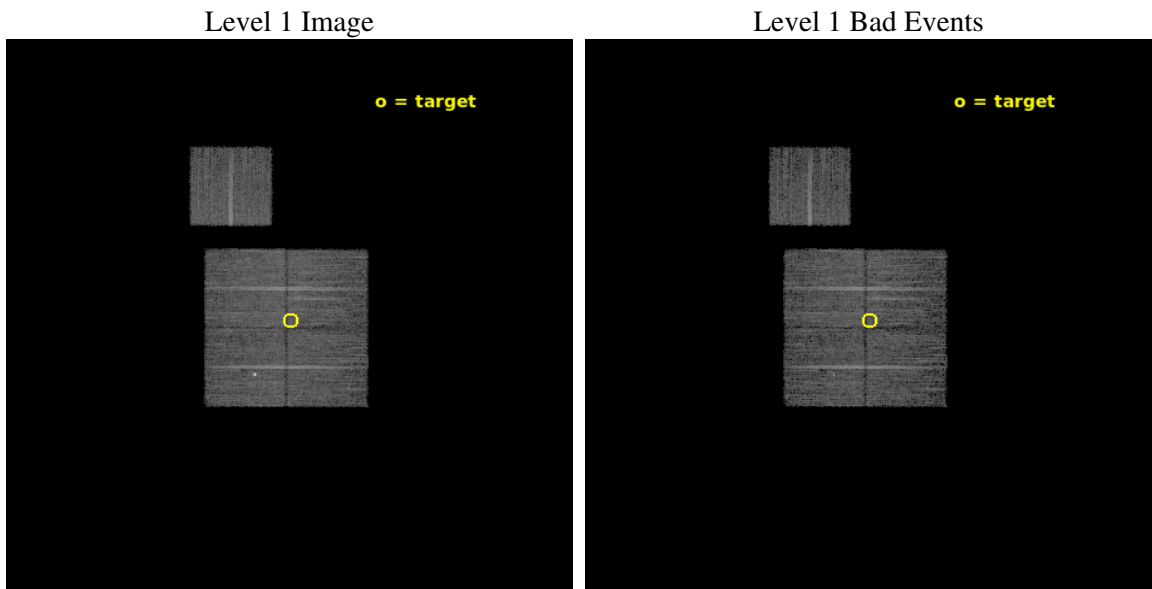
seq_num	900413	Sequence number
obs_id	6997	Observation id
title	Chandra Large Scale Survey of the NOAO Bootes Deep Field (A)	Propo
observer	Dr. Stephen Murray	Principal investigator
object	XBootes	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	217.185167	Observer's specified target RA [deg]
dec_targ	33.940944	Observer's specified target Dec [deg]
ra_nom	217.18797588378	Nominal RA [deg]
dec_nom	33.935632985063	Nominal Dec [deg]
roll_nom	0.20557504869676	Nominal Roll [deg]
revision	4	Processing version of data
ontime	9776.9032982886	Sum of GTIs [s]
livetime	9649.1608590449	Livetime [s]
ontime0	9776.7801782787	Sum of GTIs [s]
ontime1	9776.821218282	Sum of GTIs [s]
ontime2	9773.7212880254	Sum of GTIs [s]
ontime3	9776.9032982886	Sum of GTIs [s]
ontime6	9776.7391382754	Sum of GTIs [s]
l2events	31680	Number of level 2 events



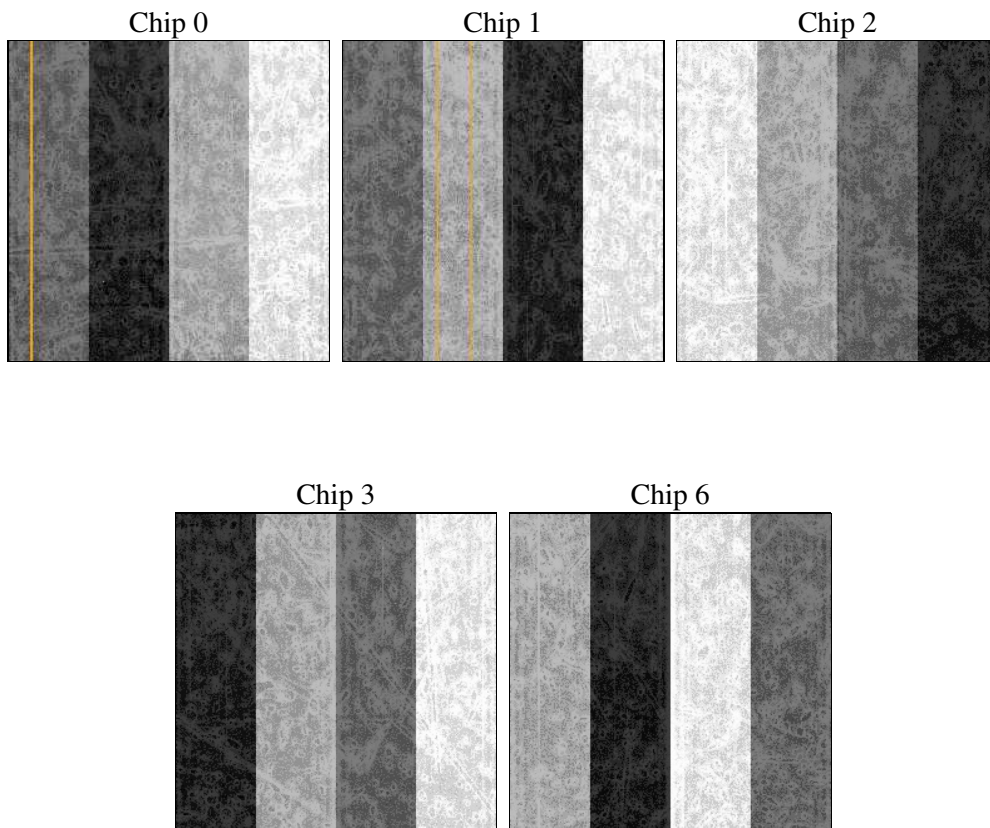
2 OBI

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	9776.9032982886	Sum of GTIs [s]
caldsver	4.9.2	 	ontime0	9776.7801782787	Sum of GTIs [s]
date	2020-10-11T13:38:35	Date and time of file creation	ontime1	9776.821218282	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	9773.7212880254	Sum of GTIs [s]
			ontime3	9776.9032982886	Sum of GTIs [s]
			ontime6	9776.7391382754	Sum of GTIs [s]
			l1events	307748	Number of level 1 events

2.1.4 Events

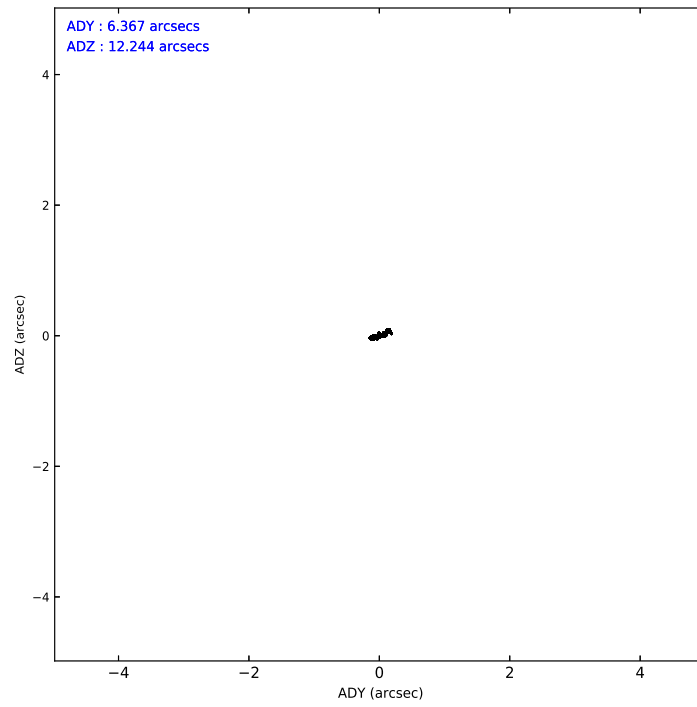
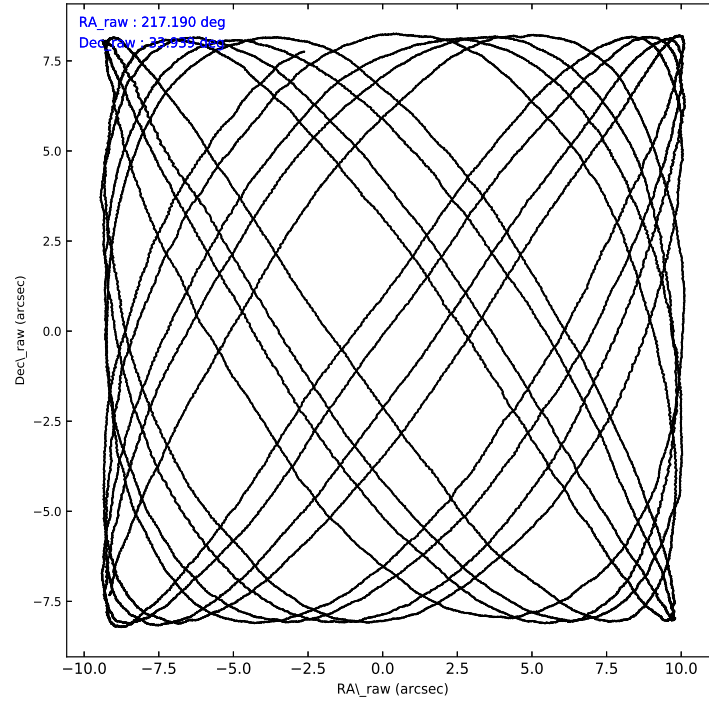
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	67222	55470	66575	59474	59007
rejected events	53768	49385	60460	53924	52952
rejected %	79%	89%	90%	90%	89%

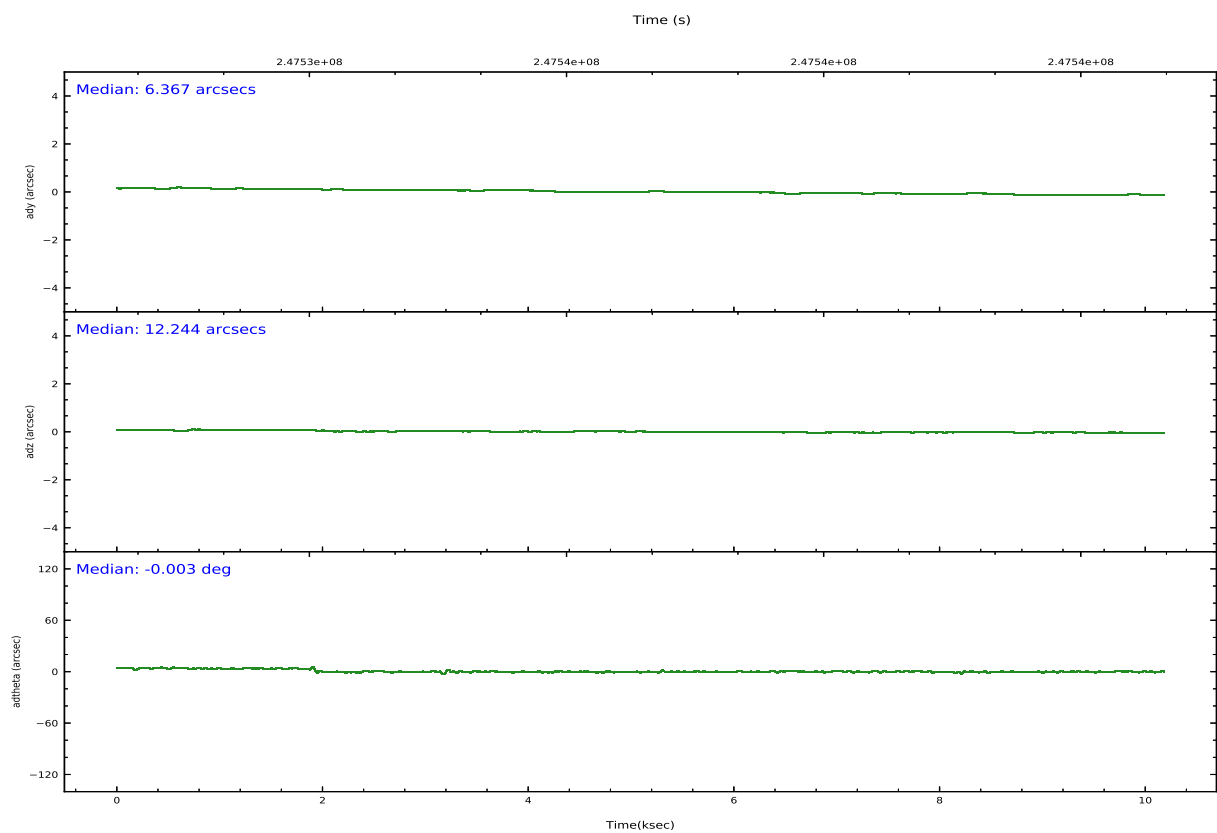
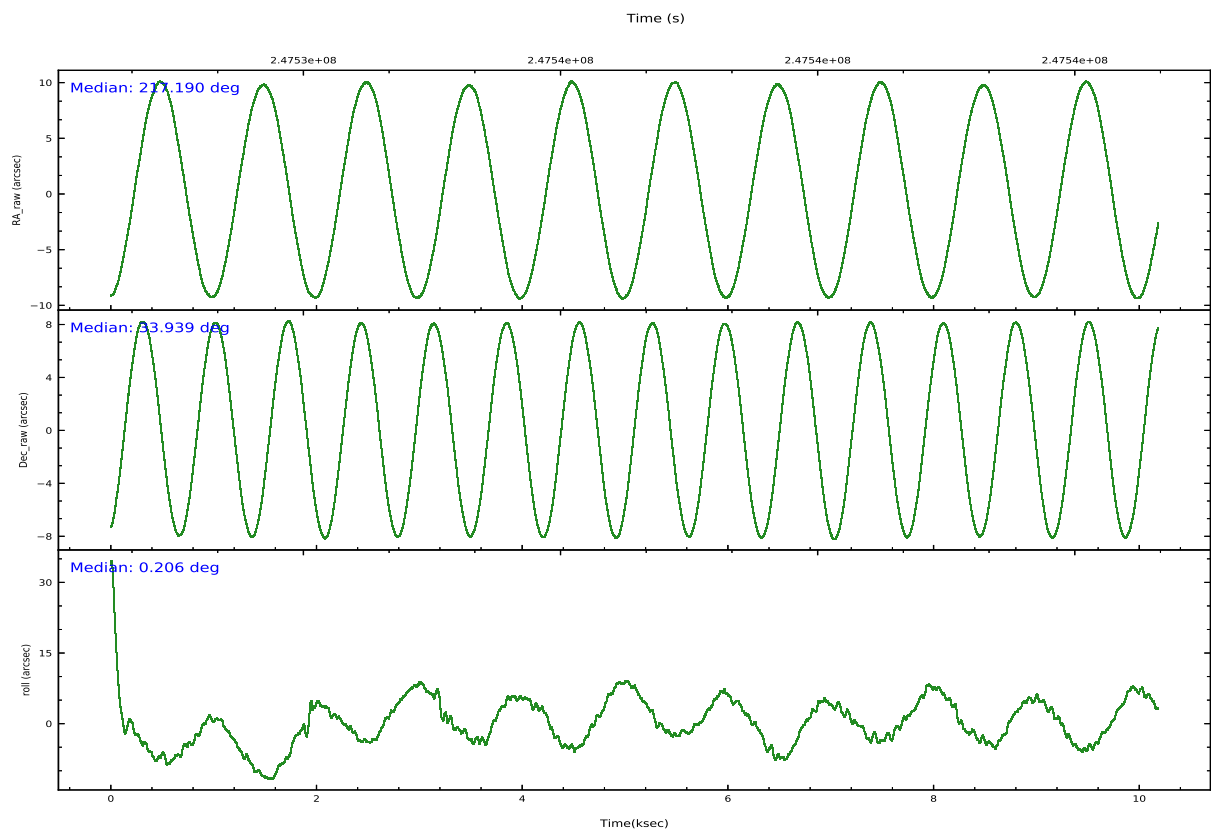
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	8081	2103	2440	2084	2192
	12%	3%	3%	3%	3%
grade 1 events	277	27	32	32	28
	0%	0%	0%	0%	0%
grade 2 events	2244	1299	1429	1201	1328
	3%	2%	2%	2%	2%
grade 3 events	971	718	616	625	756
	1%	1%	0%	1%	1%
grade 4 events	939	719	673	599	667
	1%	1%	1%	1%	1%
grade 5 events	1849	2022	1588	2125	1978
	2%	3%	2%	3%	3%
grade 6 events	1220	1248	957	1044	1115
	1%	2%	1%	1%	1%
grade 7 events	51641	47334	58840	51764	50943
	76%	85%	88%	87%	86%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-01236	ACIS-01236	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	217.161860	217.18797588378	Subarray requested	NONE	NONE
[deg] Pointing Dec	33.925271	33.935632985063	Alternating exposures requested	N	N
[deg] Pointing Roll	0.013005	0.20557504869676	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	247530810.184000	247530434.18803			
Observation start date	2005-11-04T22:32:26	2005-11-04T22:27:14			
[s] Observation end time (MET)	247540810.184000	247540944.53852			
Observation end date	2005-11-05T01:19:06	2005-11-05T01:22:24			
Read mode	TIMED	TIMED			

2.3 Aspect



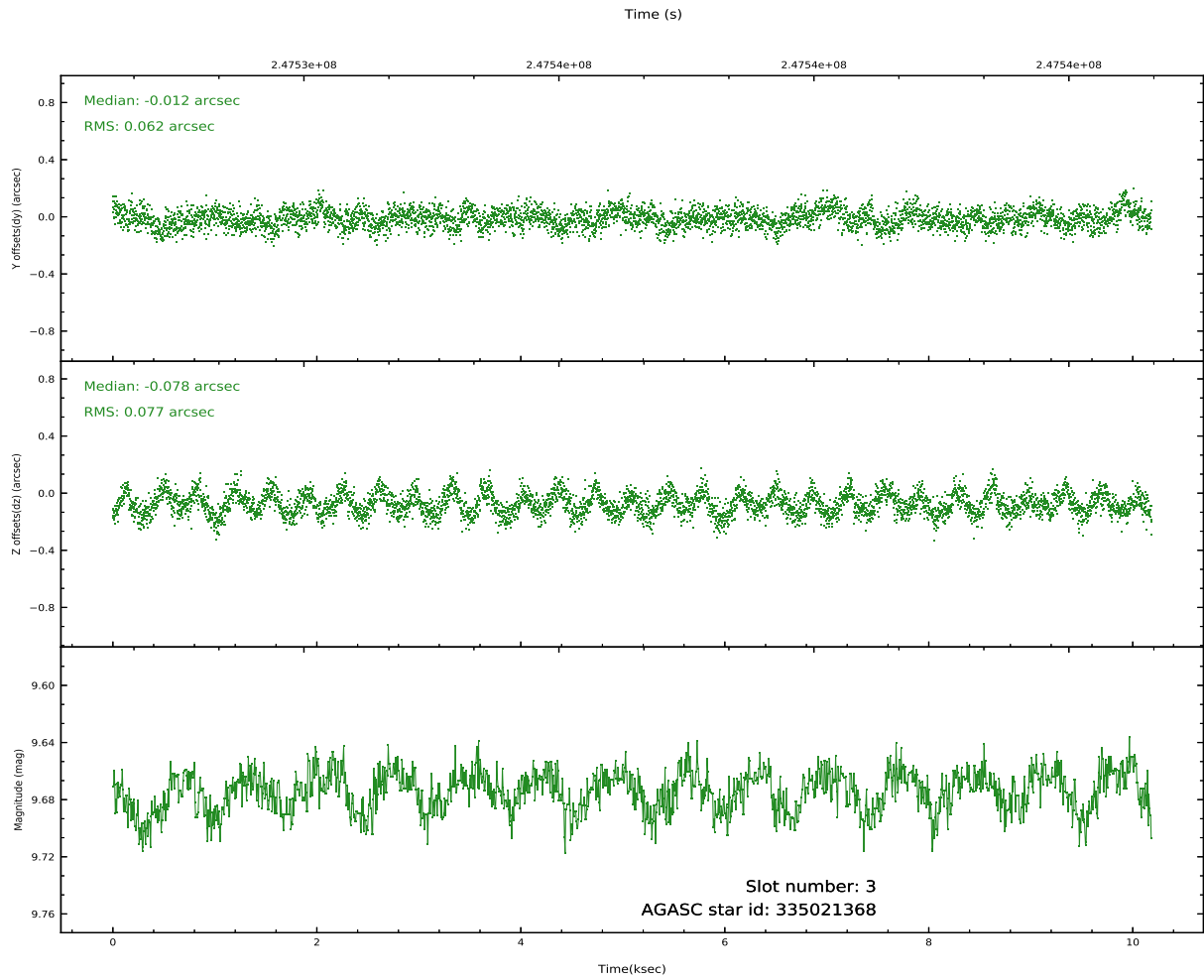
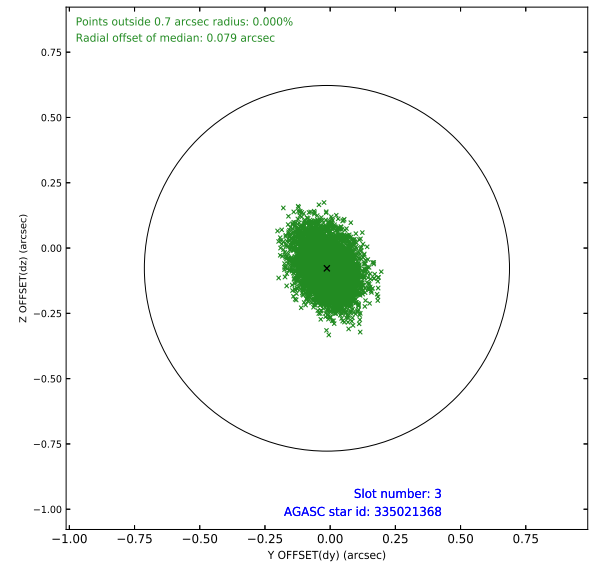
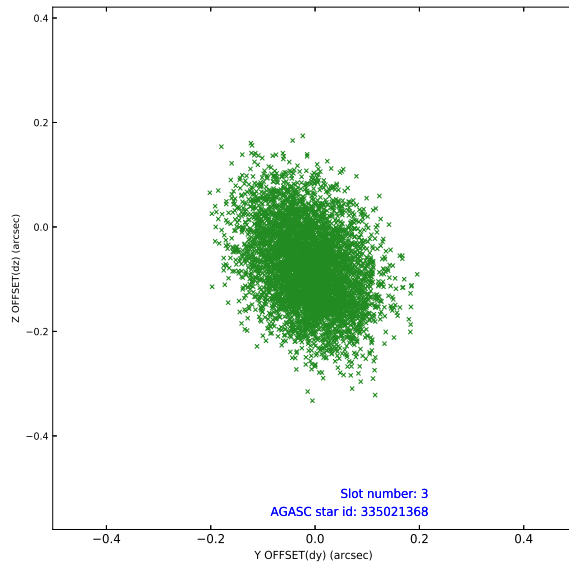


Slot Statistics

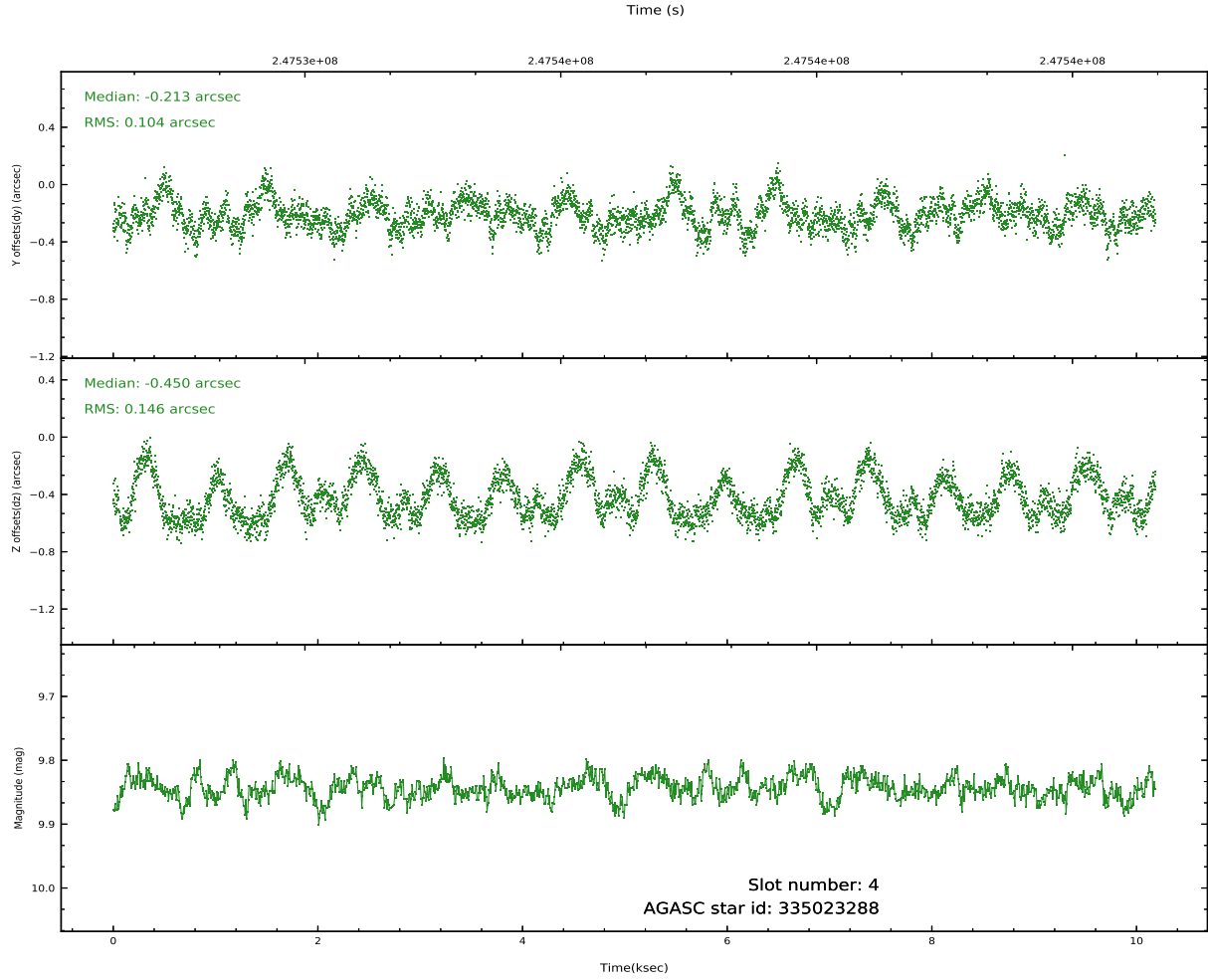
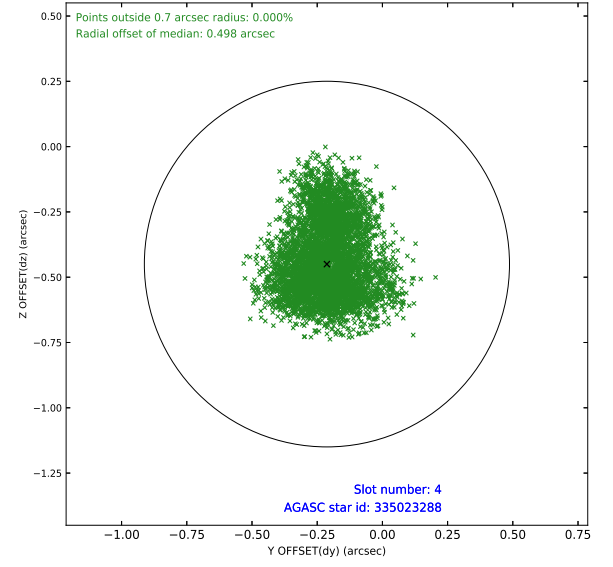
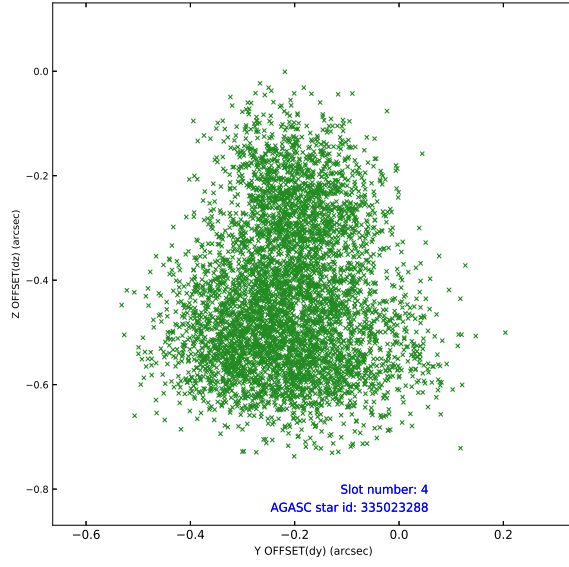
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-I-1	7.24	2484	1.000	-0.012	-0.102	0.011	0.055	0.000000	0.000000	933.32	-835
1	FID		ACIS-I-4	7.18	2481	1.000	0.128	0.100	0.012	0.042	0.000000	0.000000	2153.77	1063
2	FID		ACIS-I-5	7.22	2484	1.000	-0.214	0.072	0.009	0.025	0.000000	0.000000	-1814.23	1062
3	GUIDE	used	335021368	9.67	4961	1.000	-0.012	-0.078	0.107	0.170	217.529643	33.934817	1098.79	36
4	GUIDE	used	335023288	9.84	4963	1.000	-0.213	-0.450	0.194	0.302	217.791365	34.425735	1870.25	1806
5	GUIDE	used	335025848	9.71	4966	1.000	0.074	0.284	0.131	0.210	217.530531	33.778292	1103.92	-526
6	GUIDE	used	335028240	9.16	4969	1.000	0.131	0.110	0.102	0.163	216.746851	33.385009	-1247.35	-1941
7	GUIDE	used	335028696	9.17	4966	1.000	0.026	0.099	0.101	0.166	217.260519	33.844112	294.83	-292

2.4 Star Slots

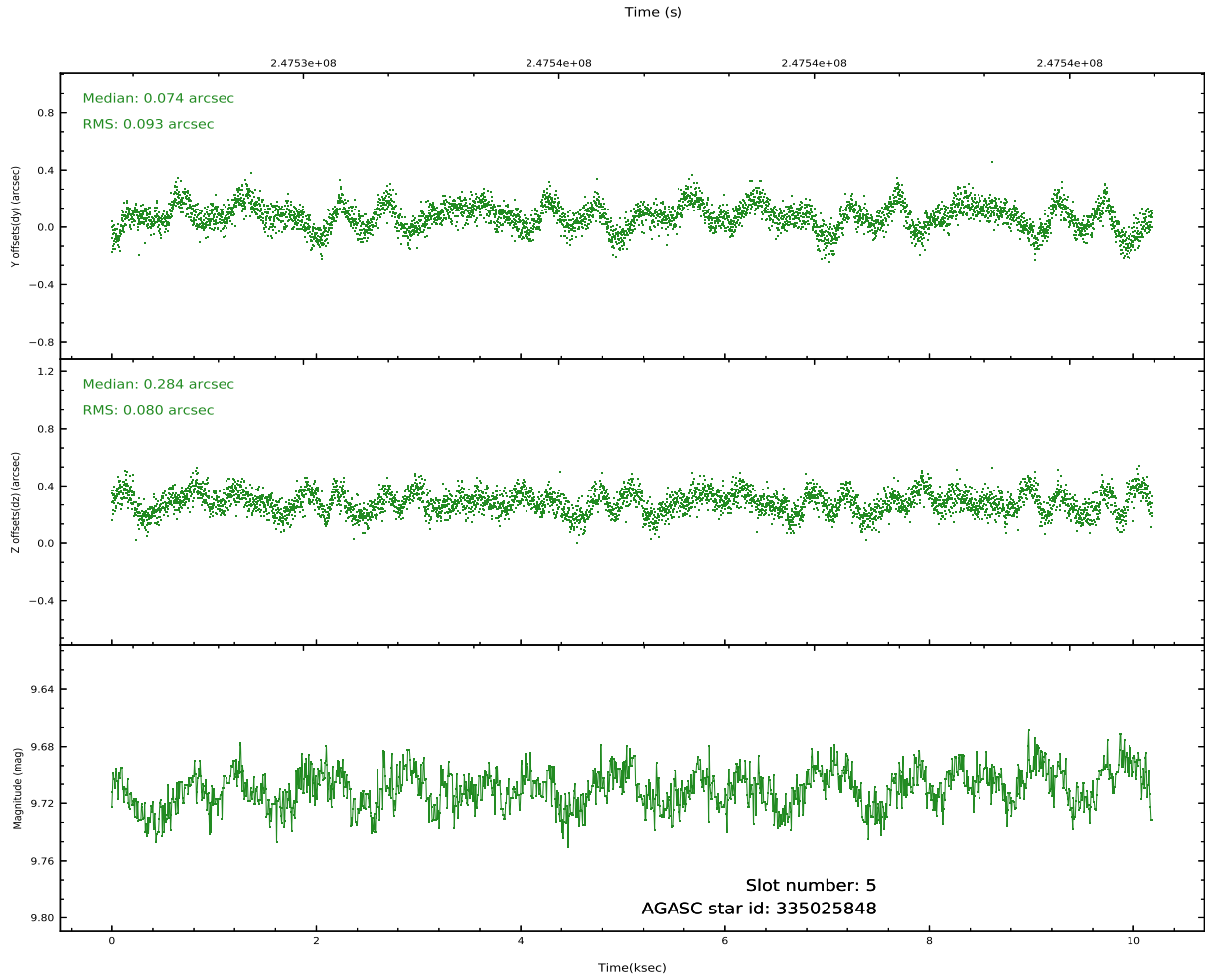
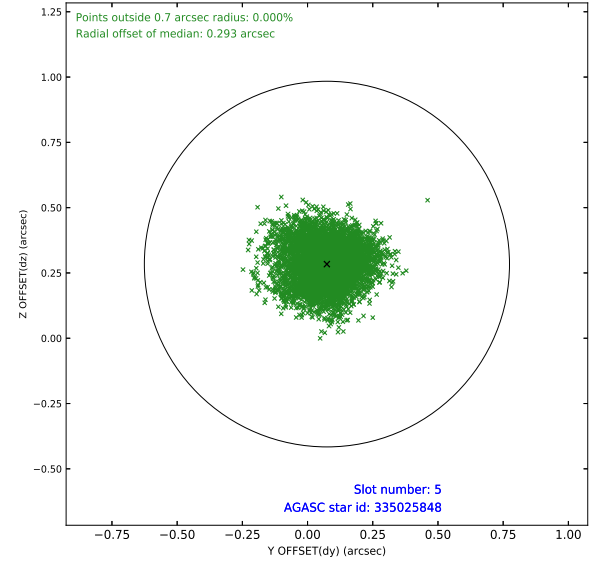
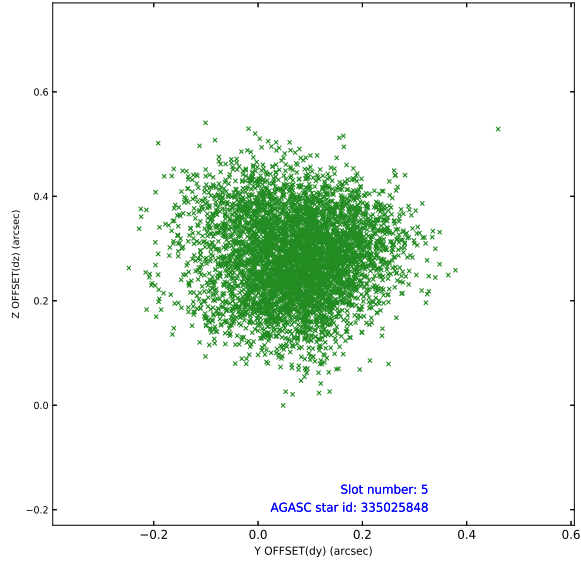
2.4.1 Slot 3



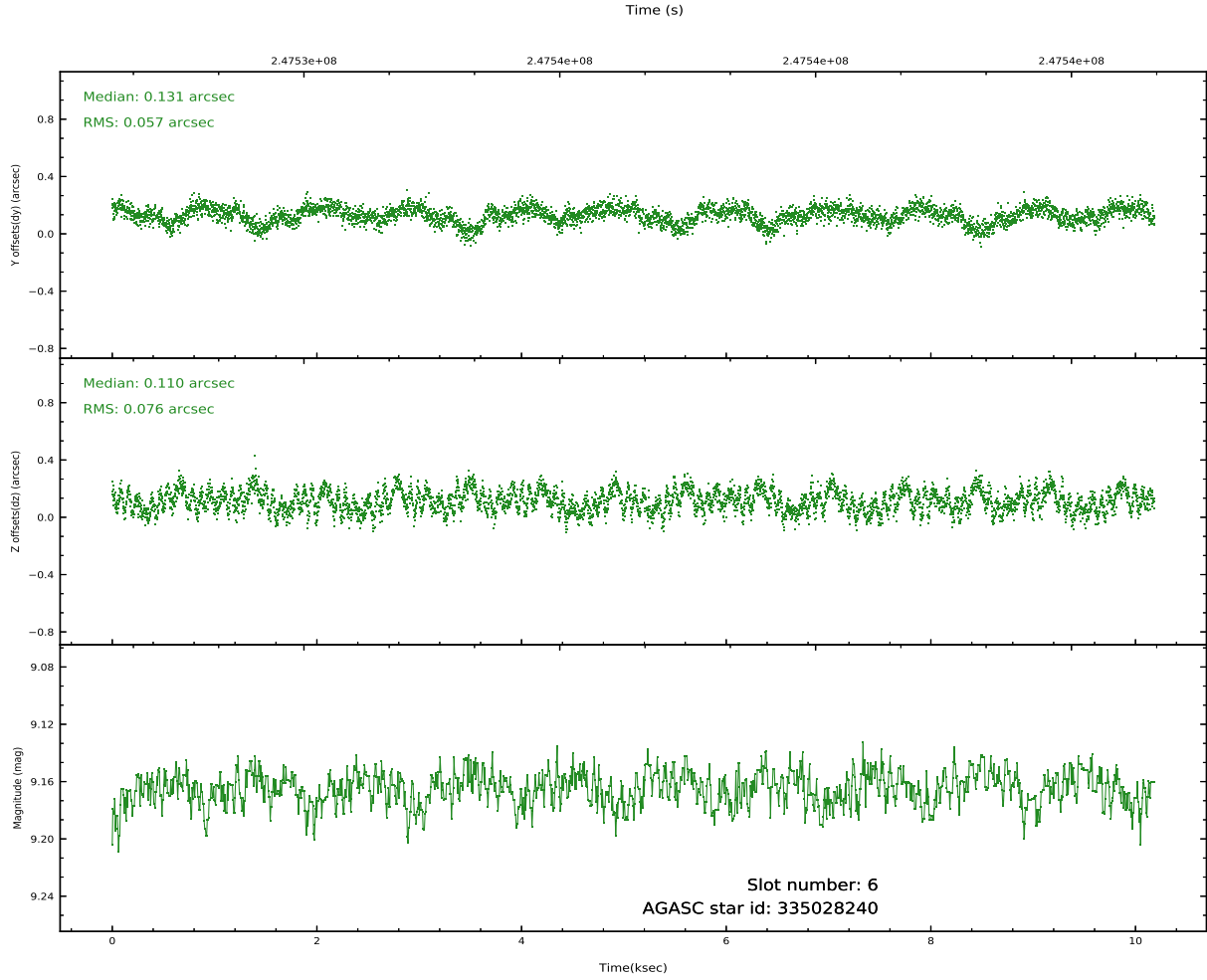
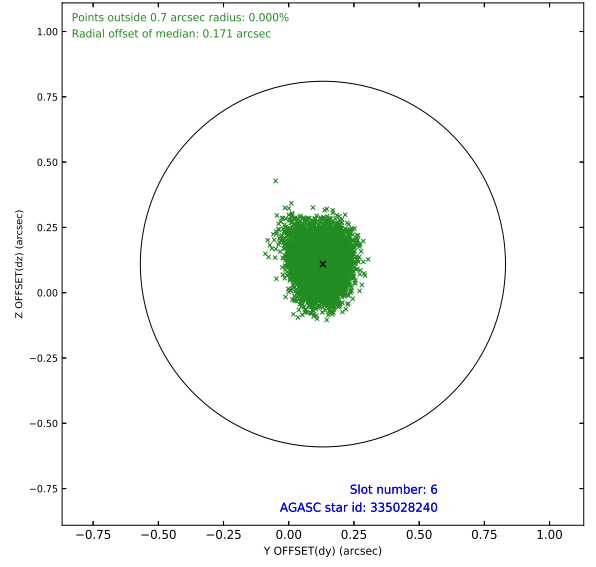
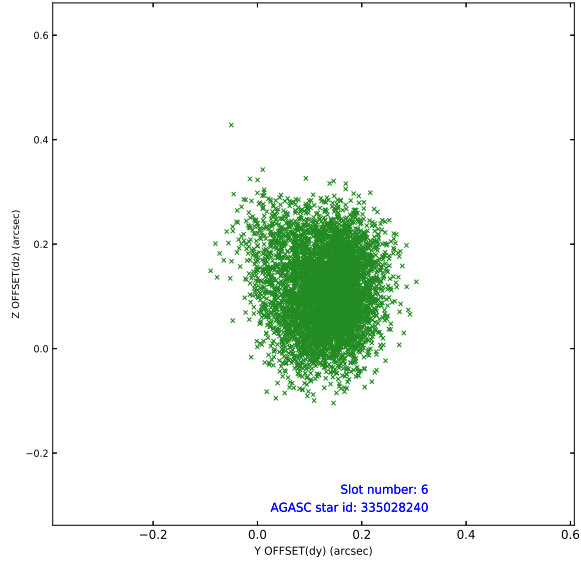
2.4.2 Slot 4



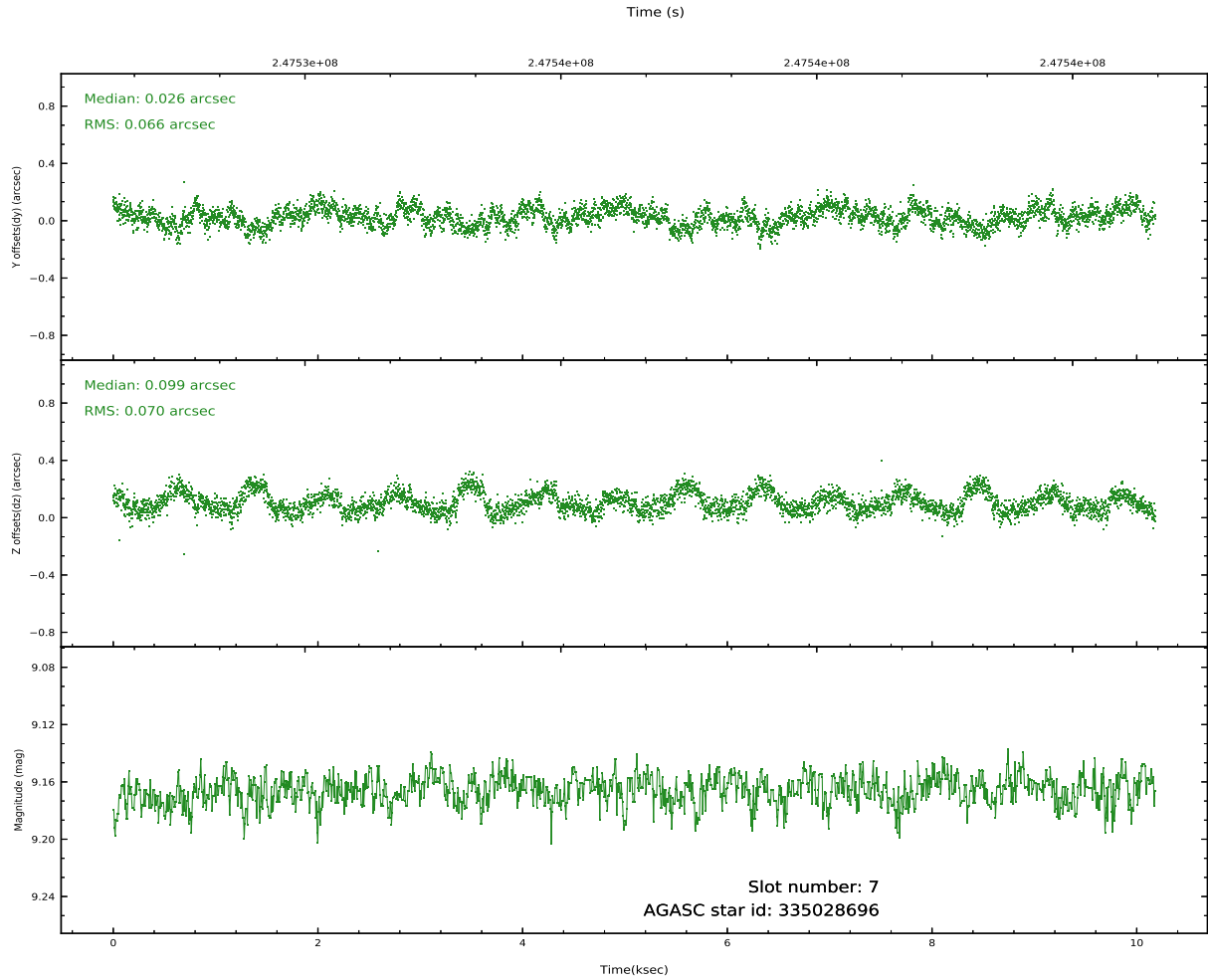
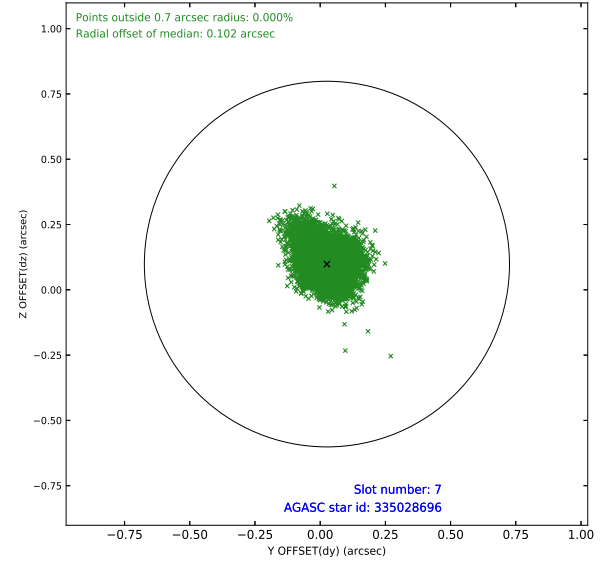
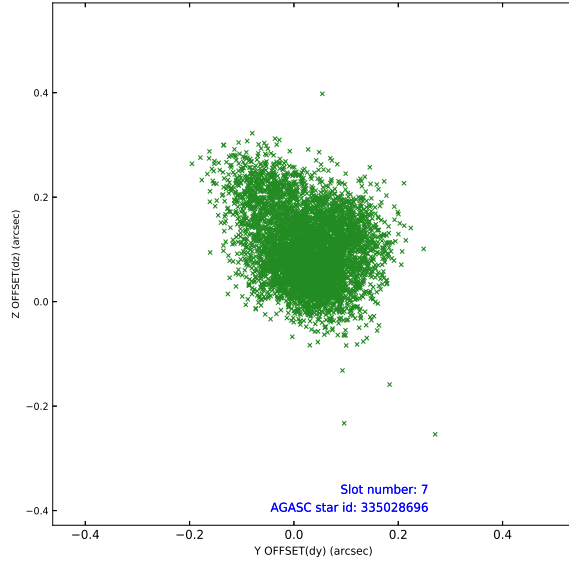
2.4.3 Slot 5



2.4.4 Slot 6

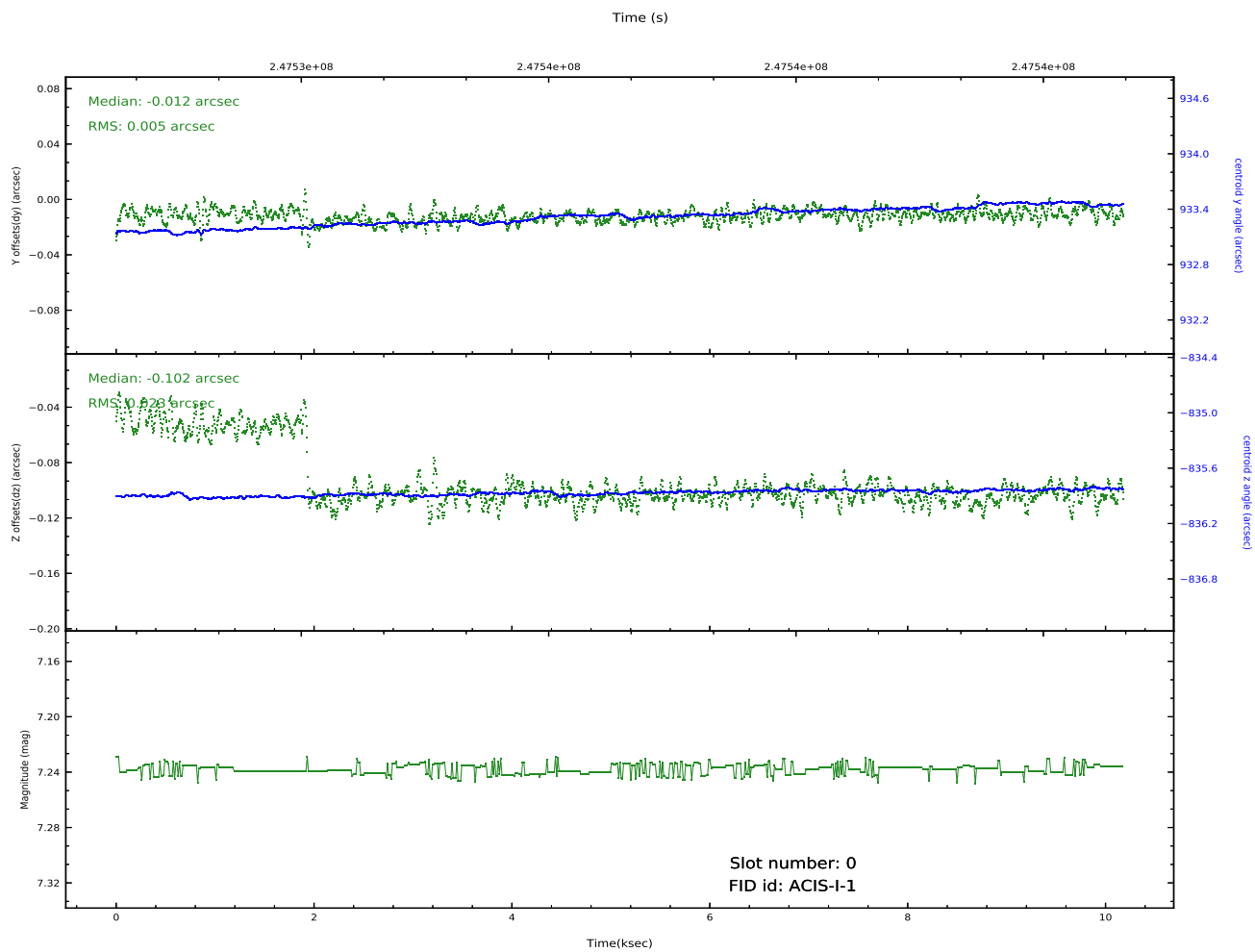
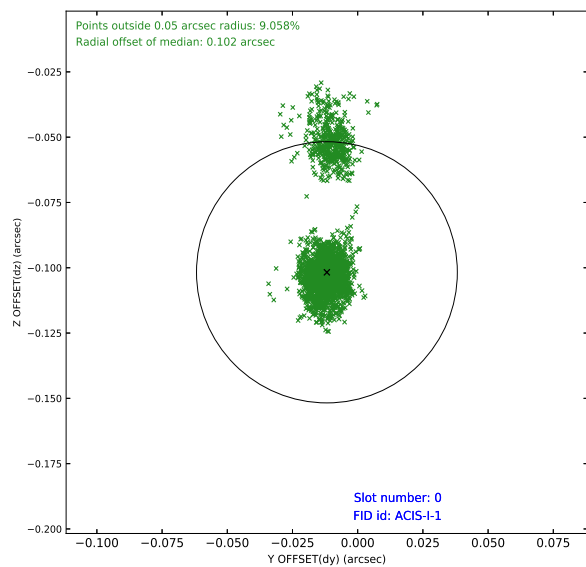
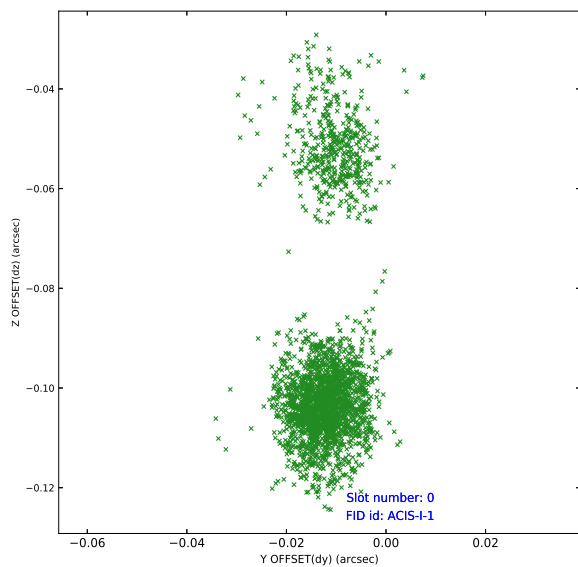


2.4.5 Slot 7

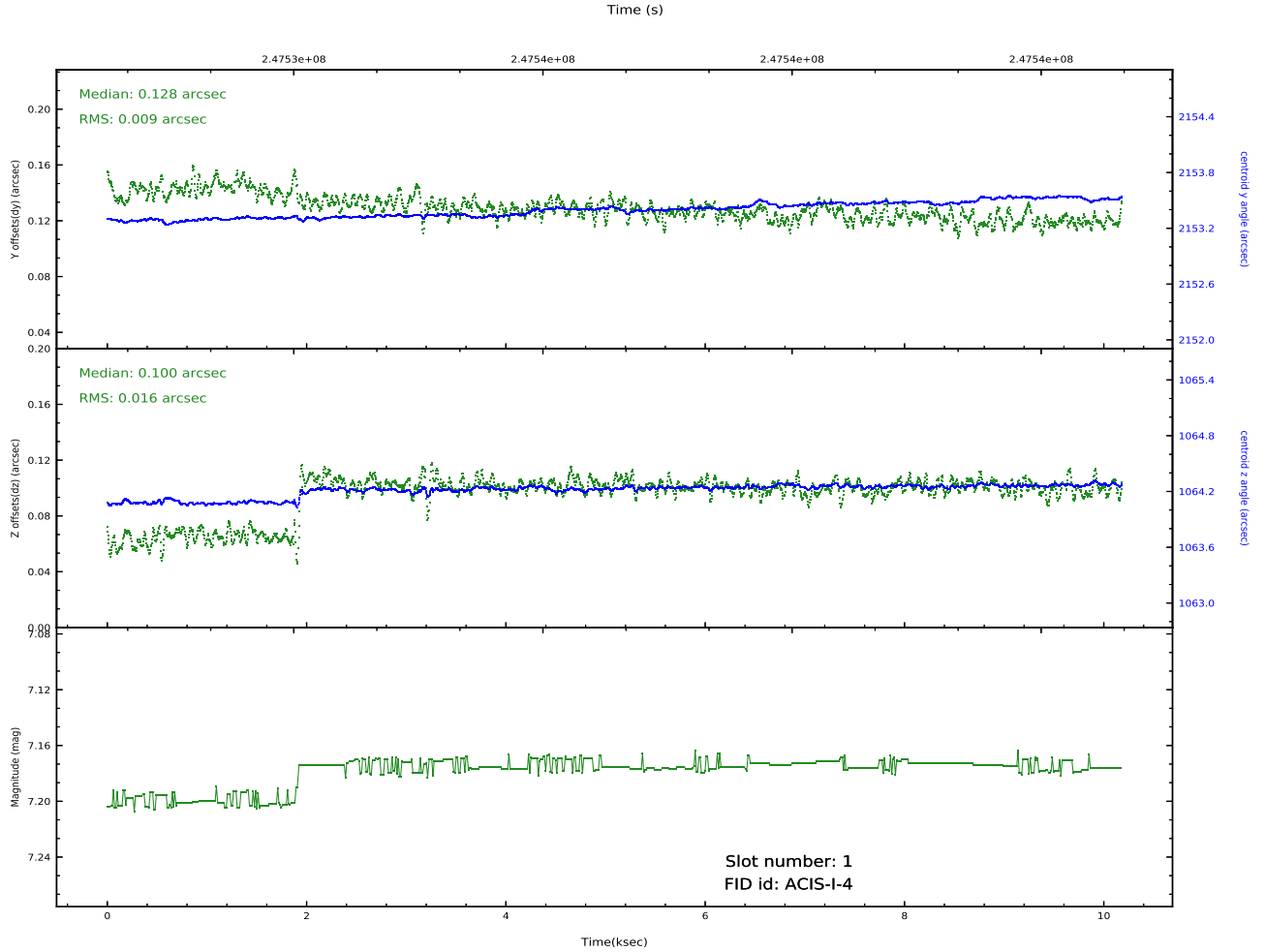
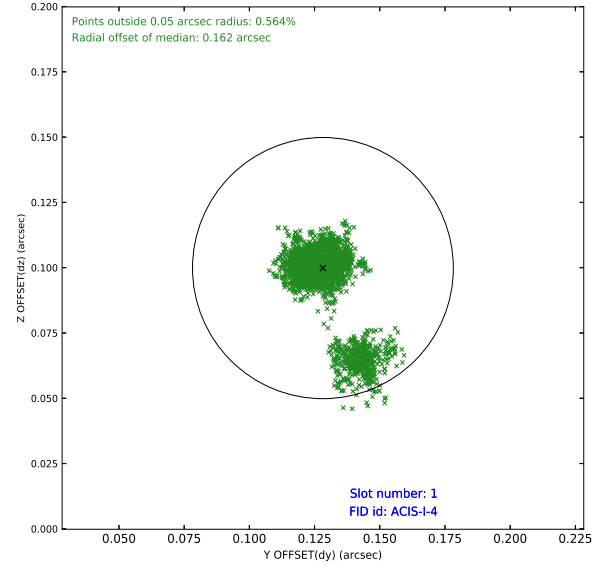
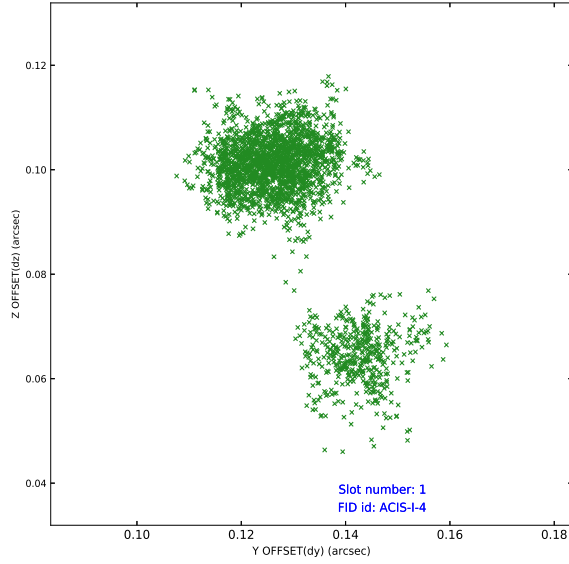


2.5 FID Slots

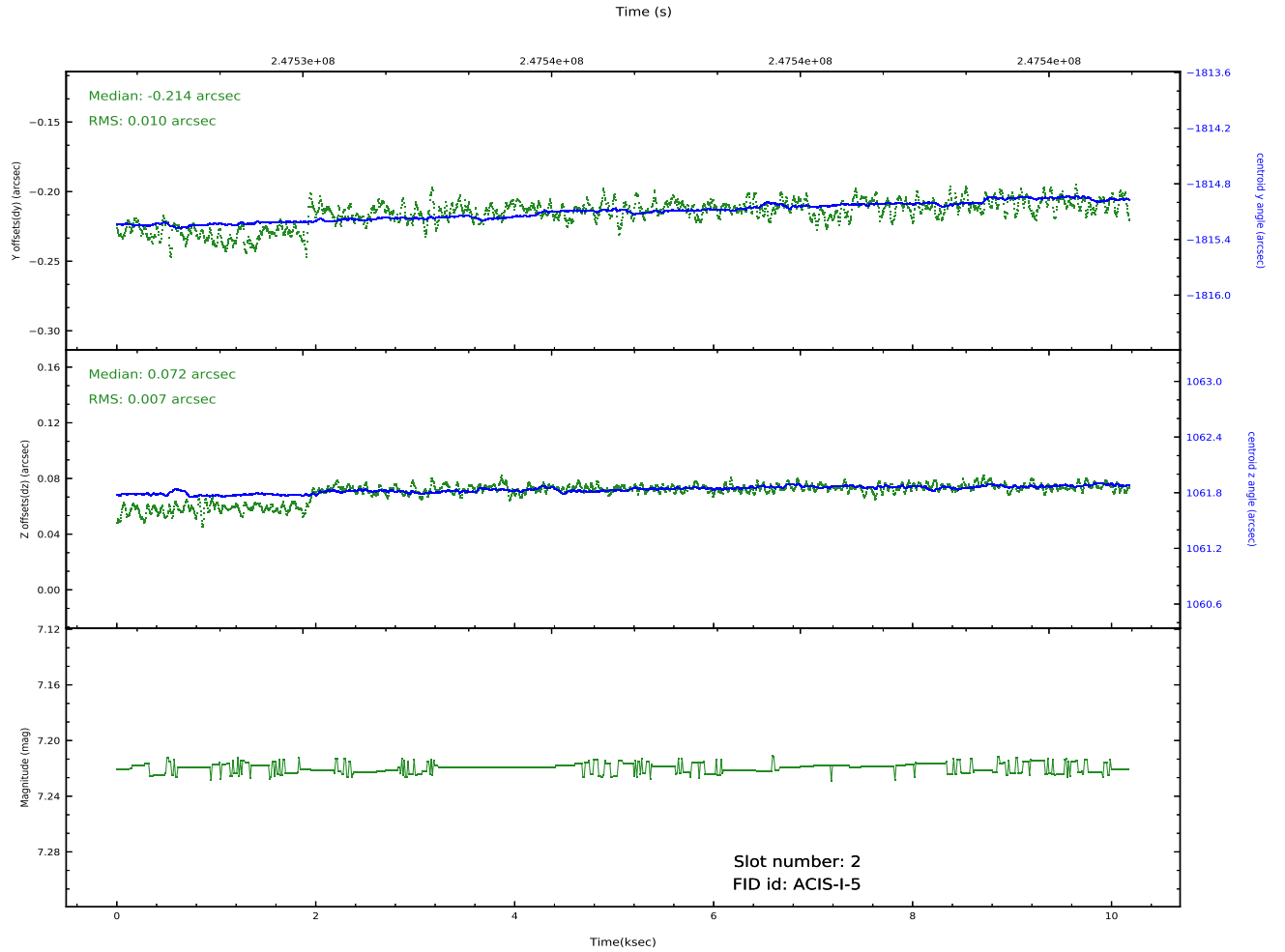
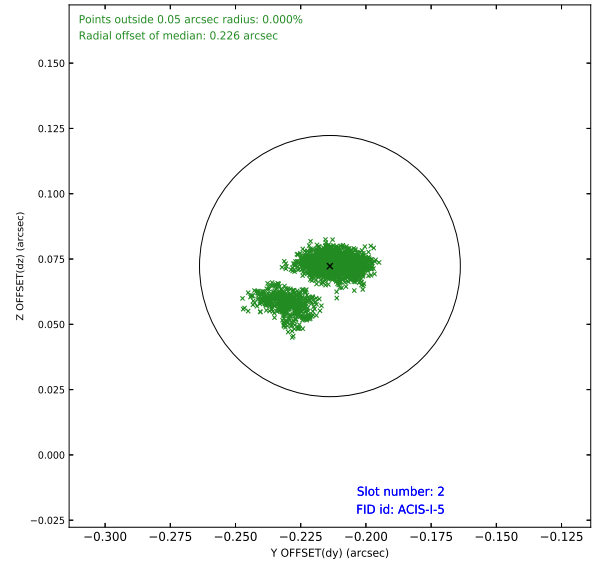
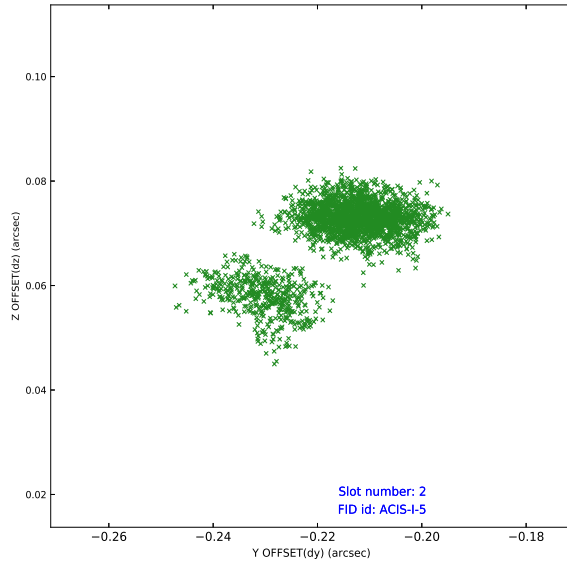
2.5.1 Slot 0



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)	2020.10.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.777399

A.2 Comments