

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5182 - L2 Version 4
Chandra X-Ray Center

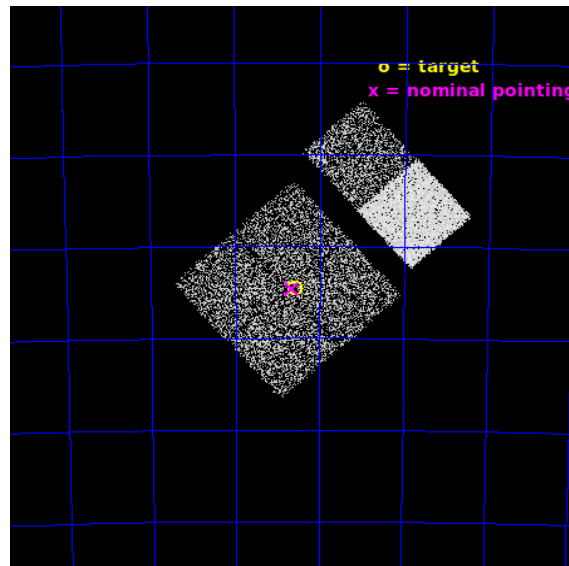
L2 Processing Date : Sep 26 2020

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

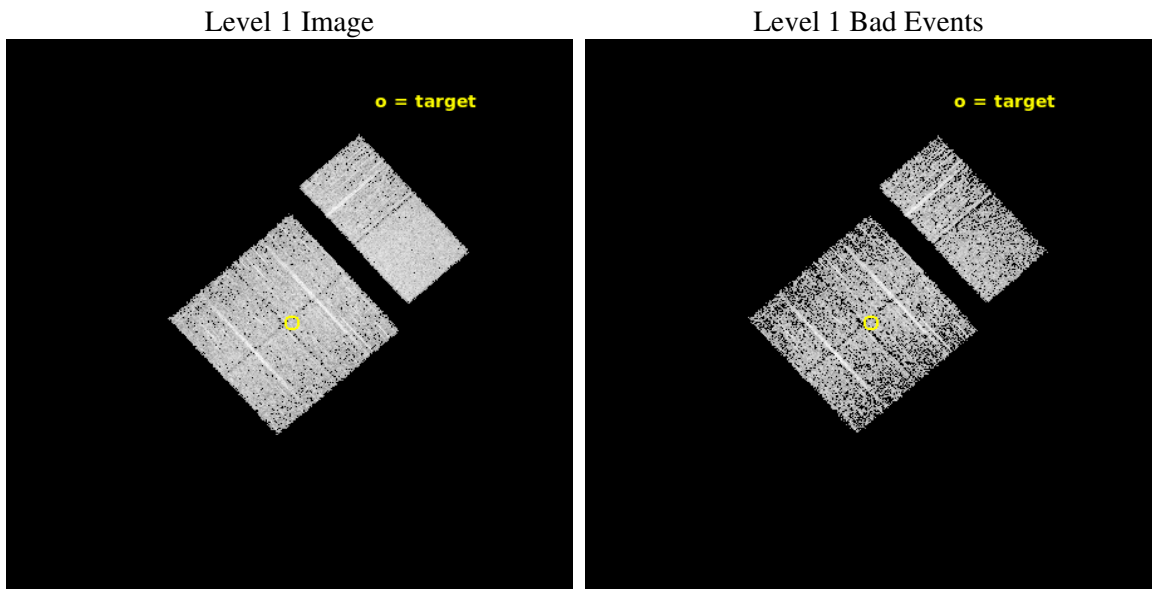
seq_num	200290	Sequence number
obs_id	5182	Observation id
title	Alternate - Search for beta Pic analogs extension	Proposal title
observer	Gordon Garmire	Principal investigator
object	eps Pav	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	300.1475	Observer's specified target RA [deg]
dec_targ	-72.910278	Observer's specified target Dec [deg]
ra_nom	300.16372017329	Nominal RA [deg]
dec_nom	-72.910521178605	Nominal Dec [deg]
roll_nom	48.050707538907	Nominal Roll [deg]
revision	4	Processing version of data
ontime	2991.9999888539	Sum of GTIs [s]
livetime	2954.113483429	Livetime [s]
ontime0	2991.9999888539	Sum of GTIs [s]
ontime1	2991.9999888539	Sum of GTIs [s]
ontime2	2991.9999888539	Sum of GTIs [s]
ontime3	2991.9999888539	Sum of GTIs [s]
ontime6	2991.9999888539	Sum of GTIs [s]
ontime7	2991.9999888539	Sum of GTIs [s]
l2events	22485	Number of level 2 events



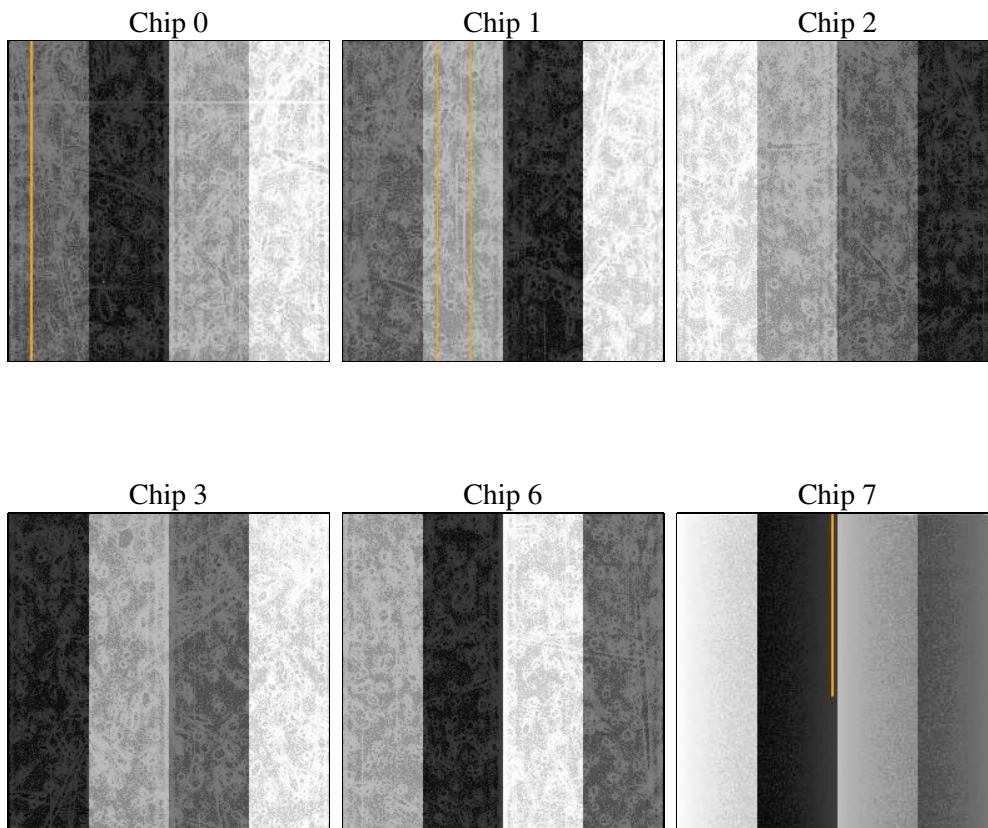
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	2991.9999888539	Sum of GTIs [s]
caldbver	4.9.2	 	ontime0	2991.9999888539	Sum of GTIs [s]
date	2020-09-26T12:01:16	Date and time of file creation	ontime1	2991.9999888539	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	2991.9999888539	Sum of GTIs [s]
			ontime3	2991.9999888539	Sum of GTIs [s]
			ontime6	2991.9999888539	Sum of GTIs [s]
			ontime7	2991.9999888539	Sum of GTIs [s]
			l1events	134838	Number of level 1 events

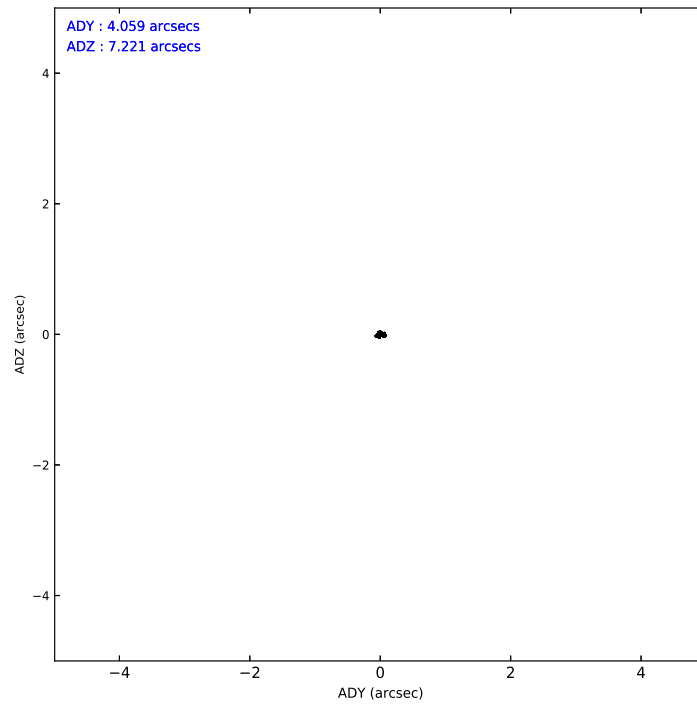
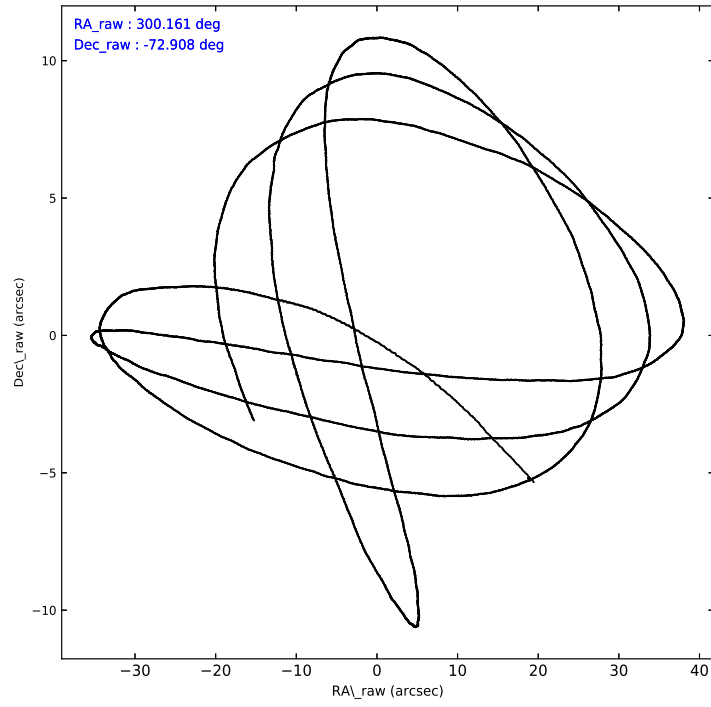
2.1.4 Events

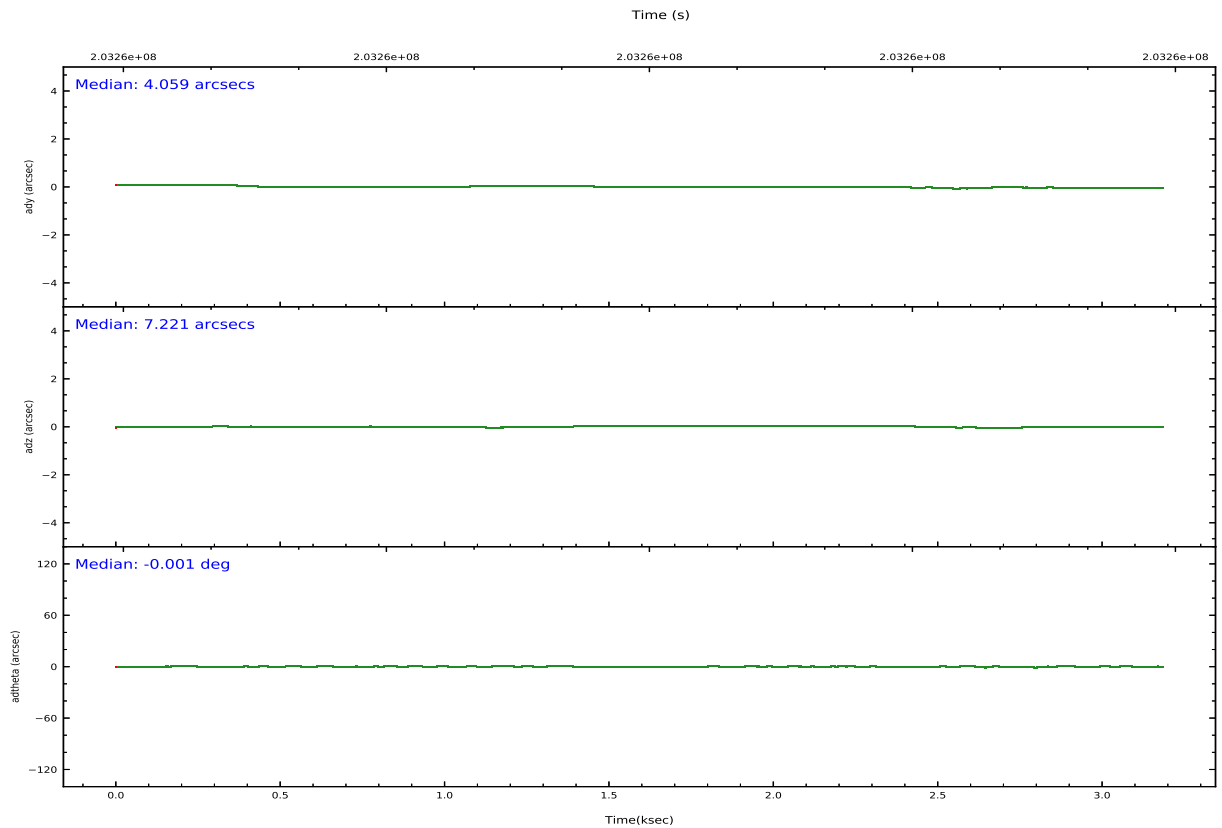
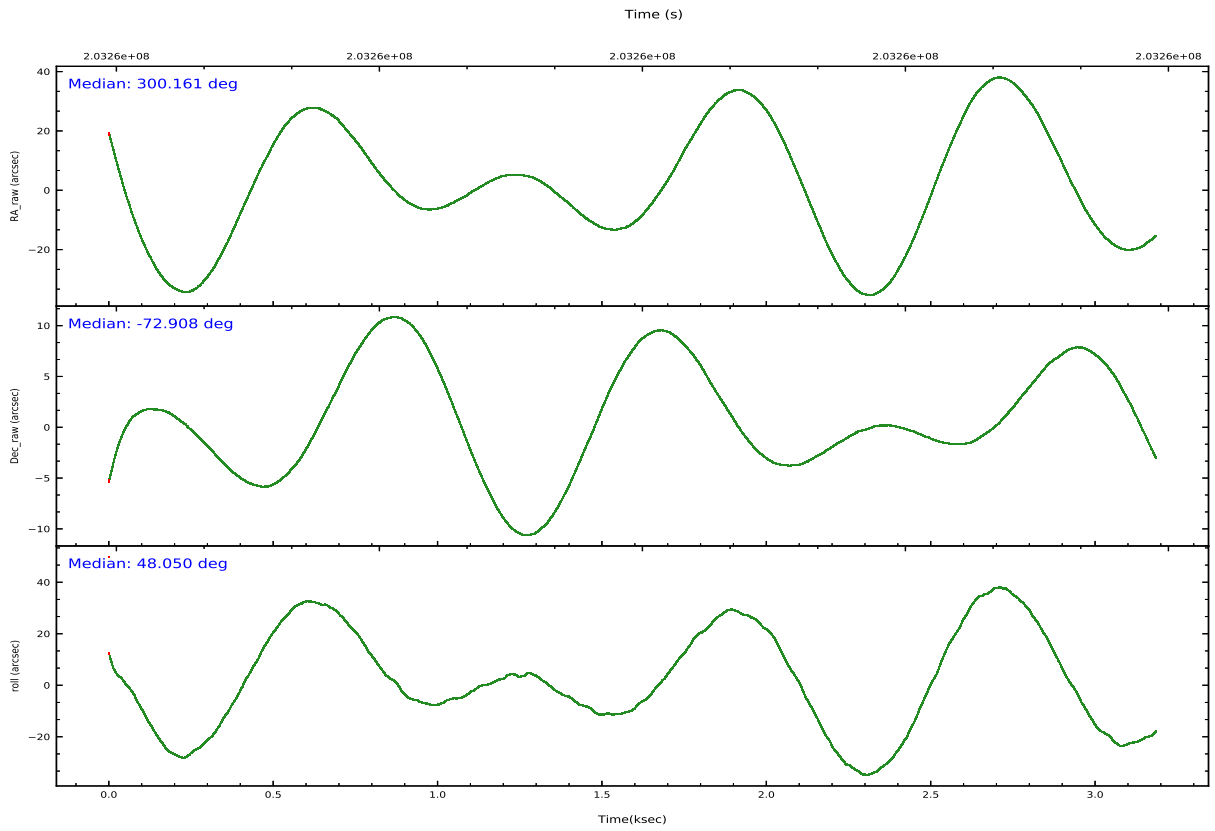
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	19795	19775	21507	21430	23294	29037	grade 0 events	1135	1132	1035	1086	1059	1010
rejected events	17114	17043	19108	18961	20719	17217		5%	5%	4%	5%	4%	3%
rejected %	86%	86%	88%	88%	88%	59%	grade 1 events	13	10	10	12	15	32
								0%	0%	0%	0%	0%	0%
							grade 2 events	562	552	501	480	566	2400
								2%	2%	2%	2%	2%	8%
							grade 3 events	281	268	257	256	245	1044
								1%	1%	1%	1%	1%	3%
							grade 4 events	260	225	240	231	231	1090
								1%	1%	1%	1%	0%	3%
							grade 5 events	890	920	850	978	994	2745
								4%	4%	3%	4%	4%	9%
							grade 6 events	445	557	368	418	479	6282
								2%	2%	1%	1%	2%	21%
							grade 7 events	16209	16111	18246	17969	19705	14434
								81%	81%	84%	83%	84%	49%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	300.142862	300.16372017329	Subarray requested	NONE	NONE
[deg] Pointing Dec	-72.935120	-72.91052117860499	Alternating exposures requested	N	N
[deg] Pointing Roll	47.831811	48.050707538907	[s] Primary exposure time	0.000000	3.2
[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)	203260963.184000	203259985.18569			
Observation start date	2004-06-10T13:21:39	2004-06-10T13:06:25			
[s] Observation end time (MET)	203263963.184000	203264674.5609			
Observation end date	2004-06-10T14:11:39	2004-06-10T14:24:34			
Read mode	TIMED	TIMED			

2.3 Aspect





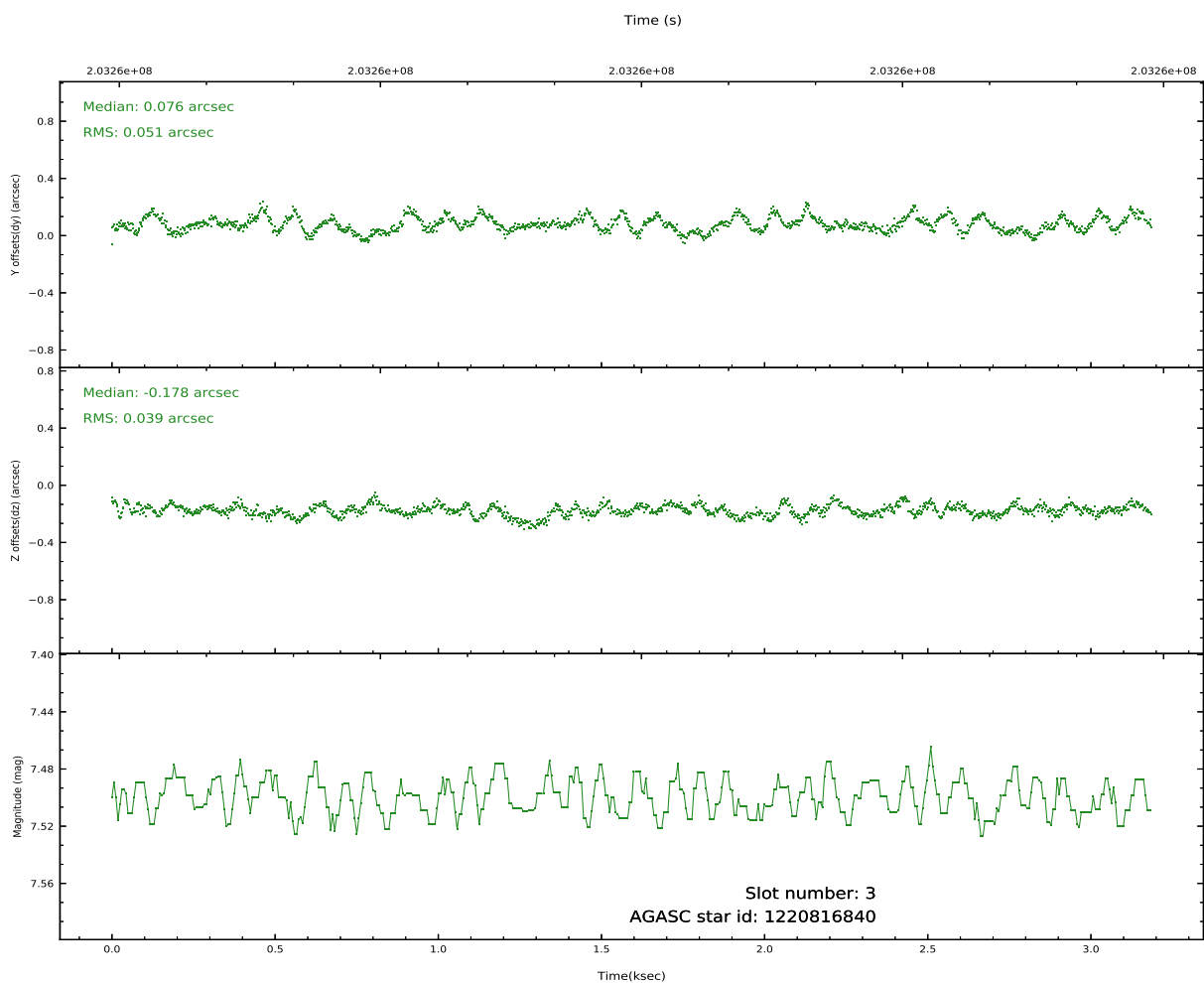
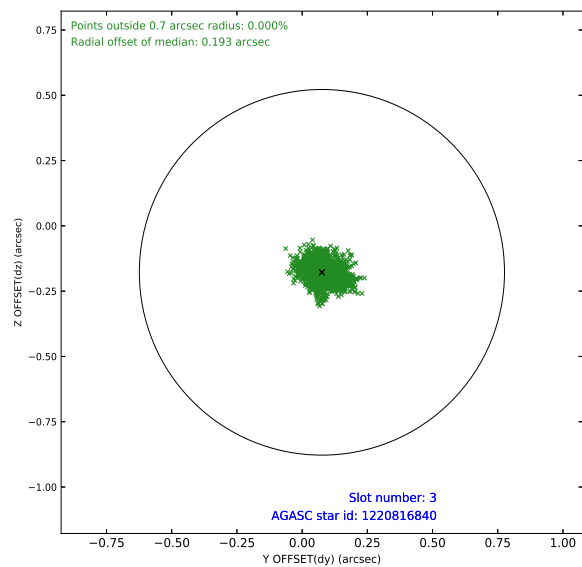
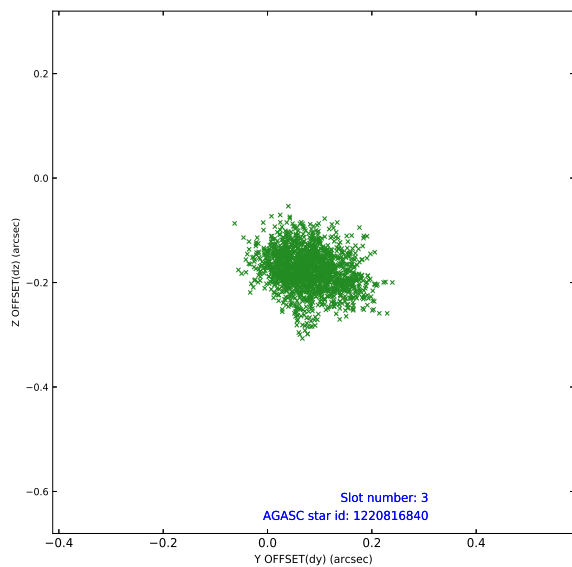
Slot Statistics

slot	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_x
0	FID		ACIS-I-1	7.24	778	1.000	0.067	-0.040	0.006	0.010	0.000000	0.000000	935.76	-830
1	FID		ACIS-I-5	7.23	777	1.000	-0.202	0.071	0.006	0.010	0.000000	0.000000	-1811.48	1065
2	FID		ACIS-I-6	7.25	777	1.000	0.044	0.040	0.007	0.012	0.000000	0.000000	399.15	1712
3	GUIDE	used	1220816840	7.50	1555	1.000	0.076	-0.178	0.068	0.109	297.809006	-72.795185	-1330.31	2146
4	GUIDE	used	1220944784	8.57	1555	1.000	-0.056	-0.004	0.064	0.104	302.438929	-72.762609	2069.25	-1428
5	GUIDE	used	1221463712	9.57	1555	1.000	-0.064	0.045	0.101	0.168	302.388651	-73.130354	1023.21	-2241
6	GUIDE	used	1220937768	9.43	1555	1.000	0.092	0.034	0.081	0.134	300.365973	-72.098385	2399.00	1837
7	GUIDE	used	1220940928	9.75	1551	1.000	-0.049	0.104	0.113	0.174	302.072335	-72.559480	2376.85	-656

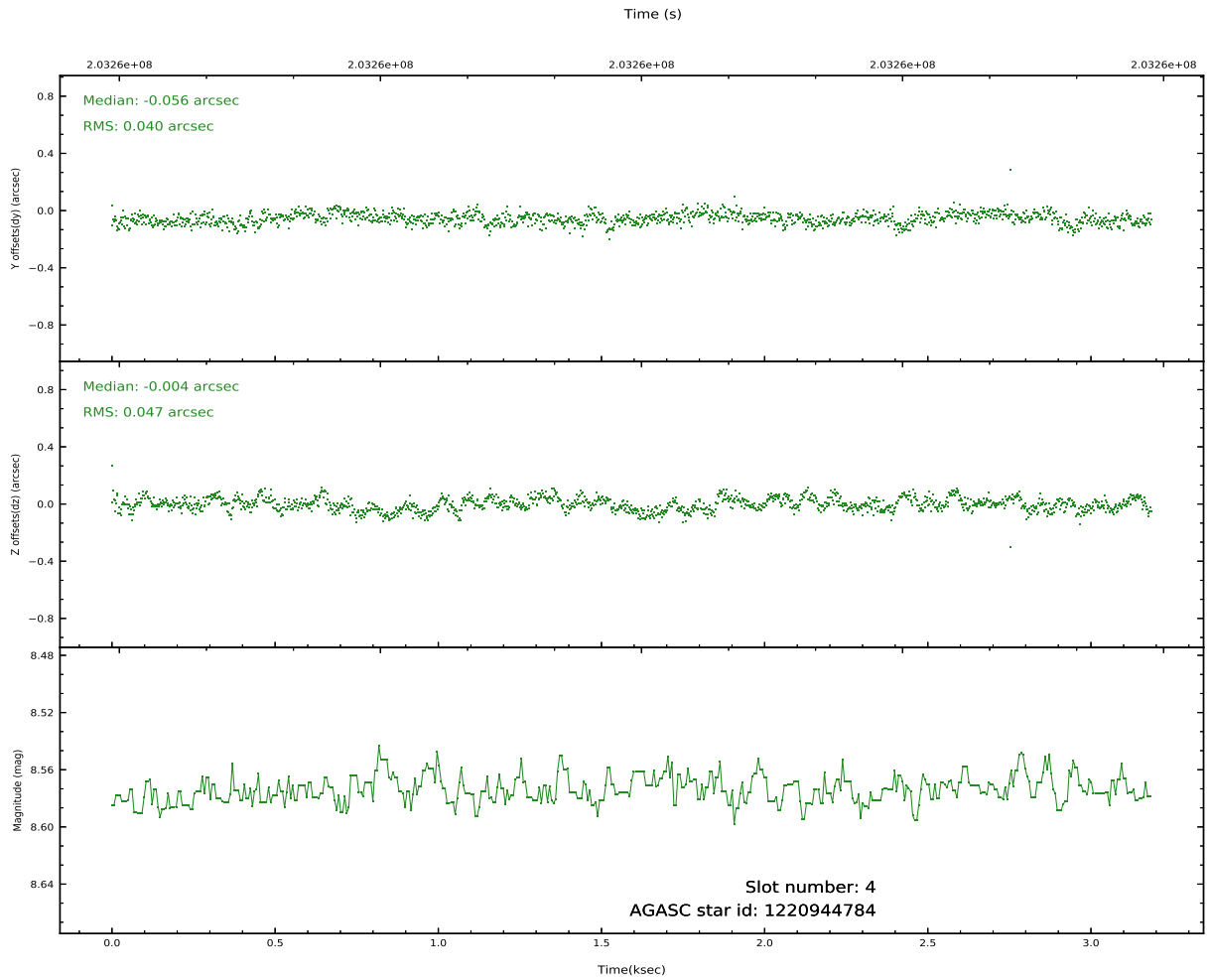
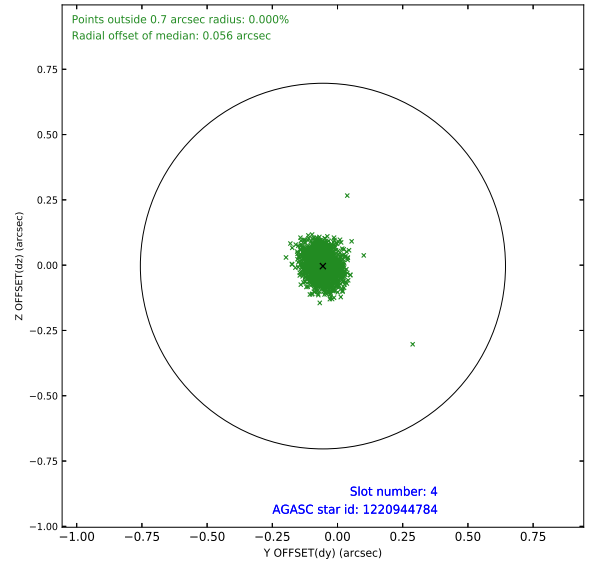
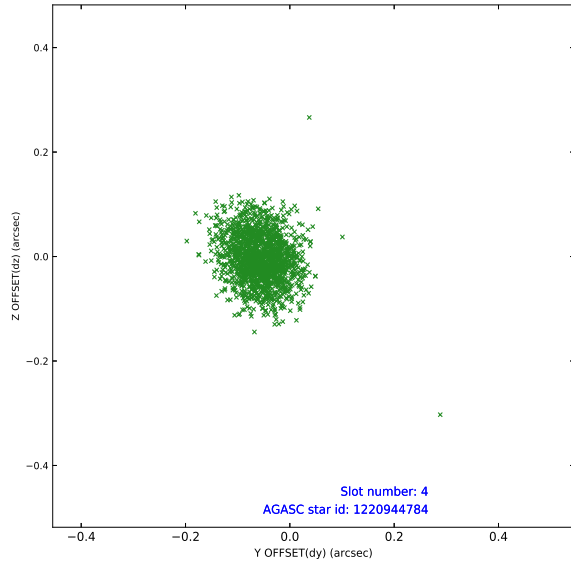
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2.4 Star Slots

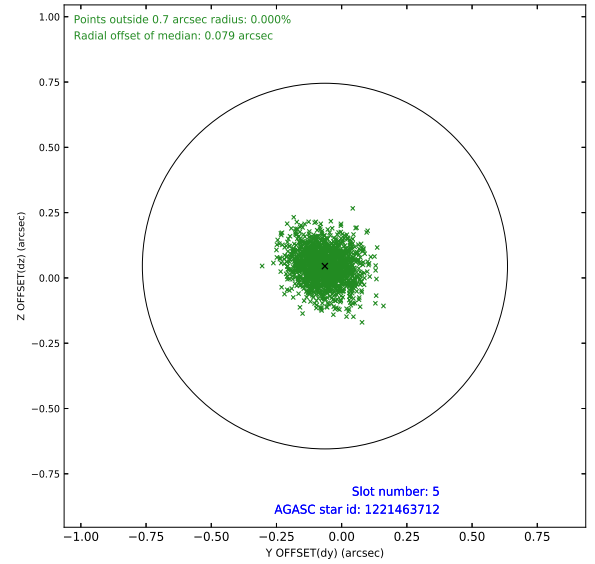
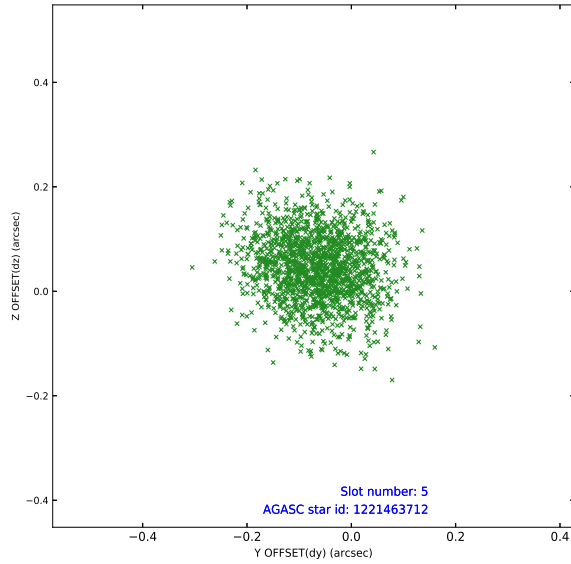
2.4.1 Slot 3



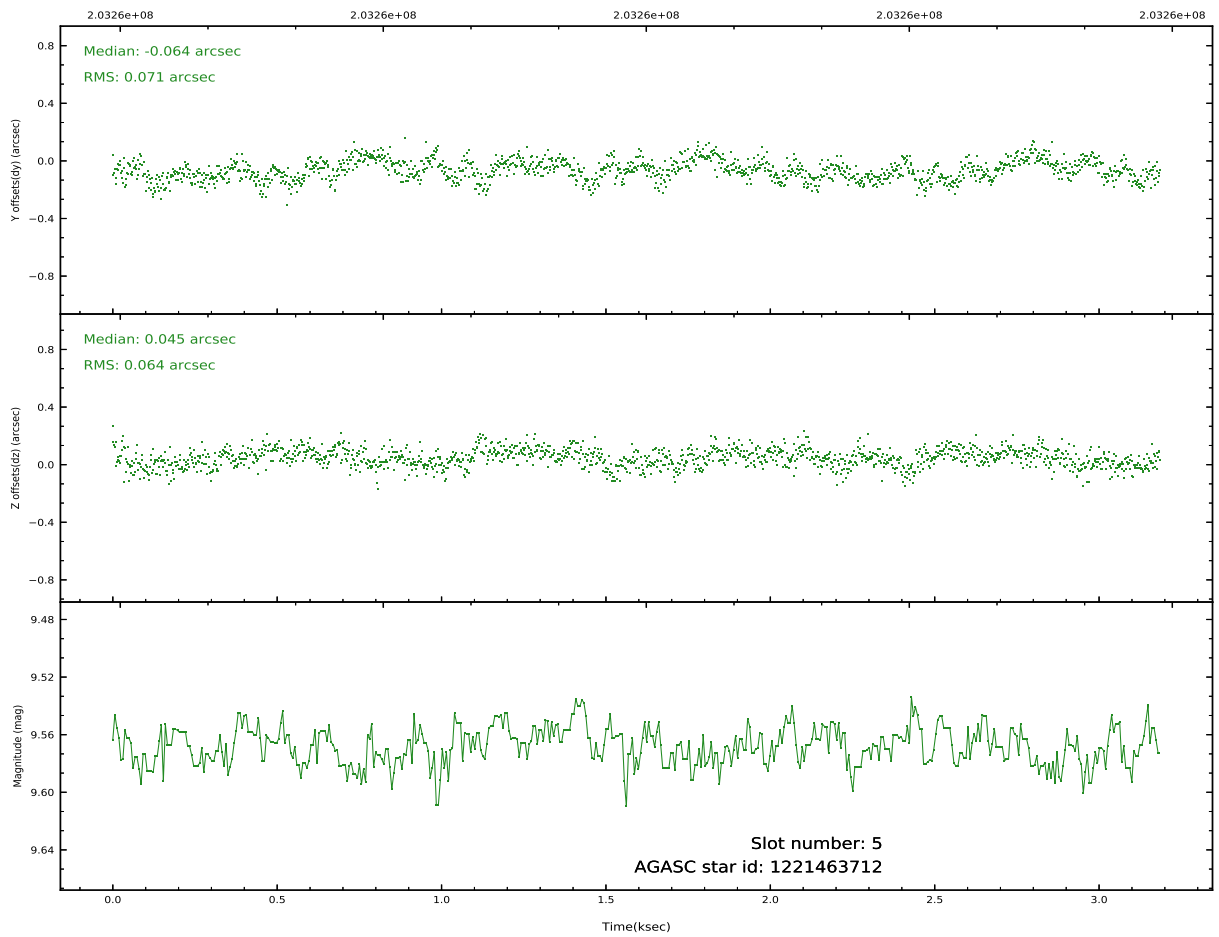
2.4.2 Slot 4



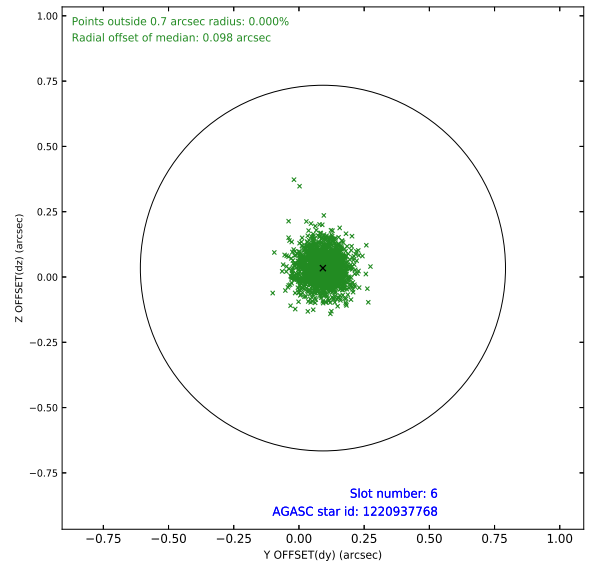
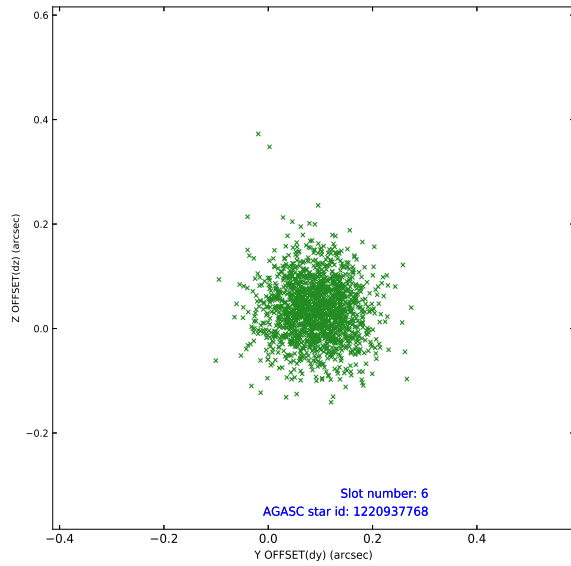
2.4.3 Slot 5



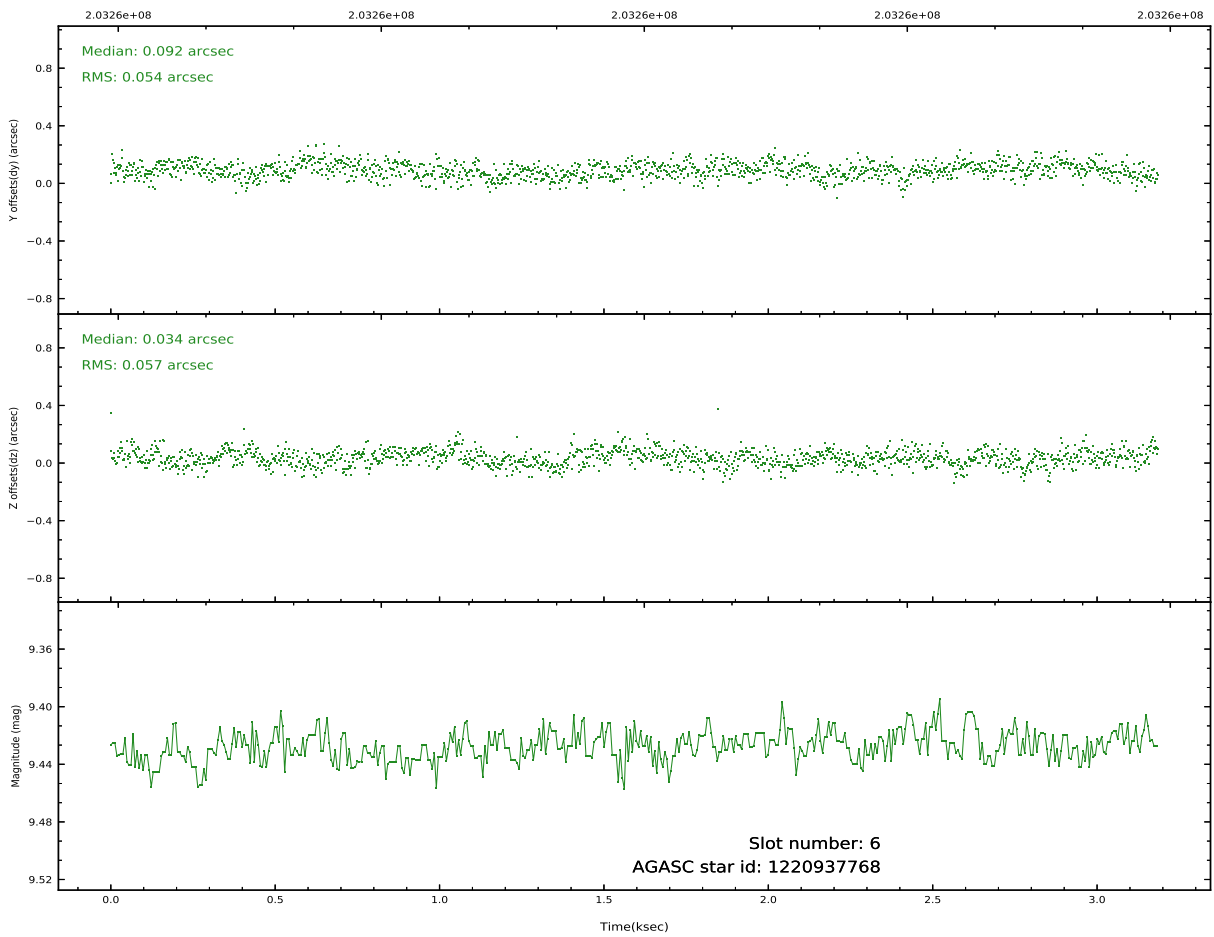
Time (s)



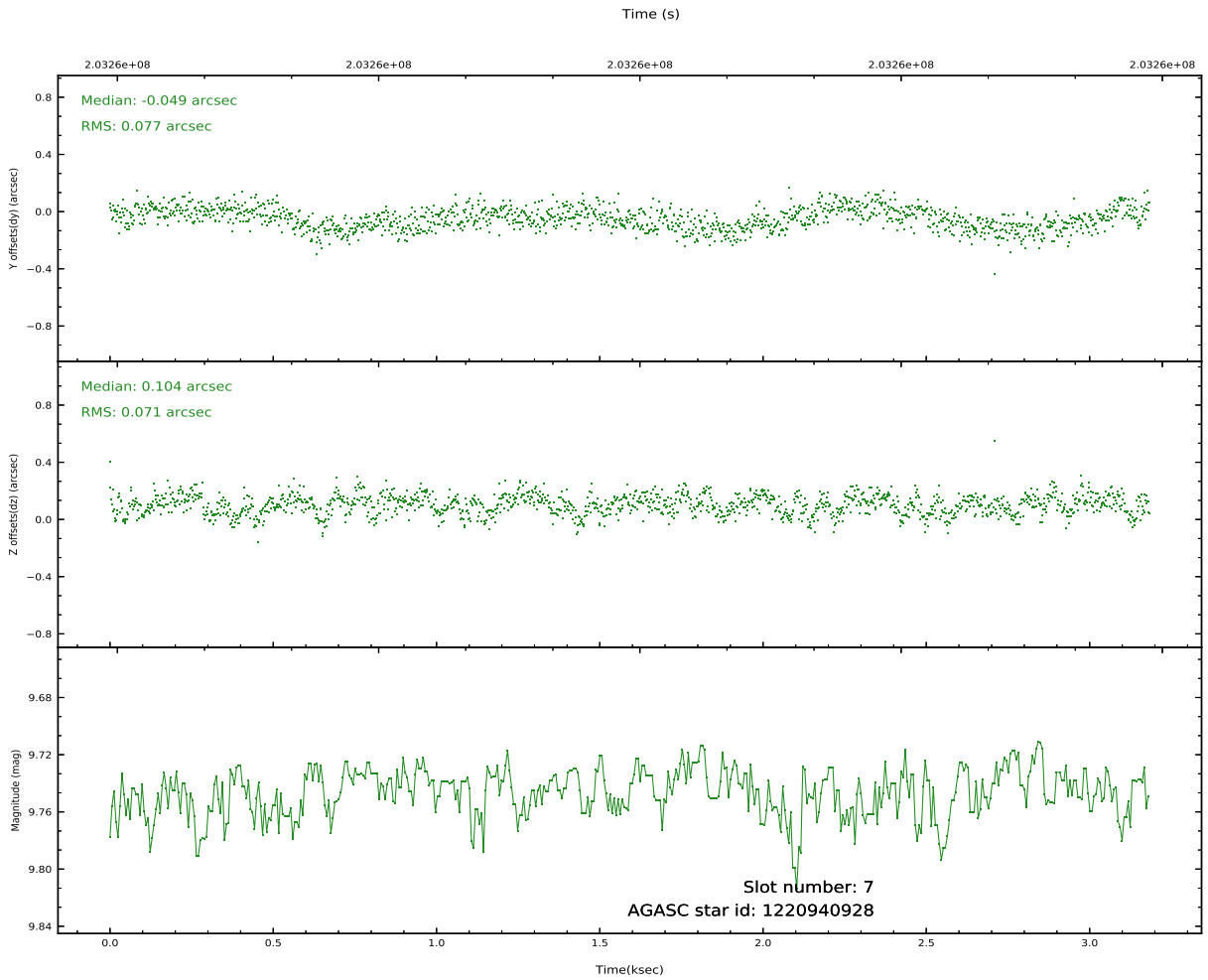
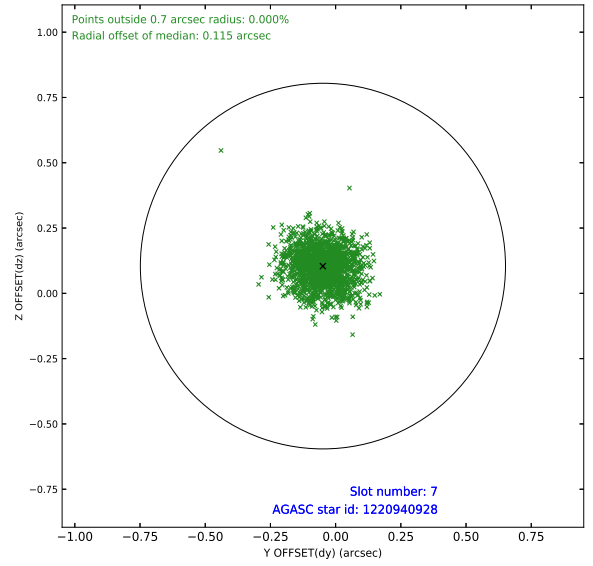
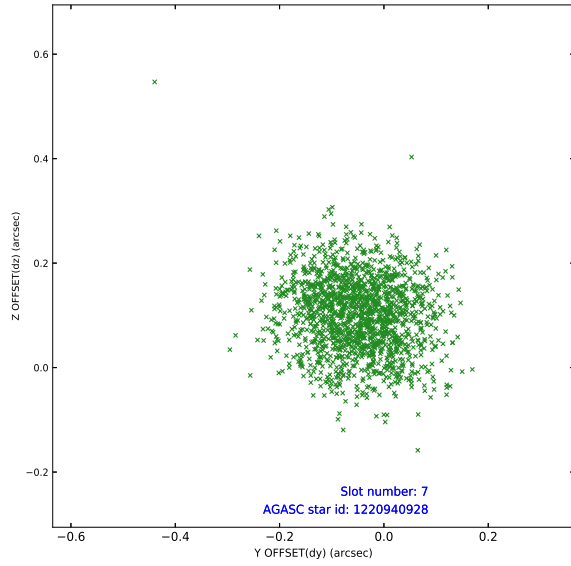
2.4.4 Slot 6



Time (s)

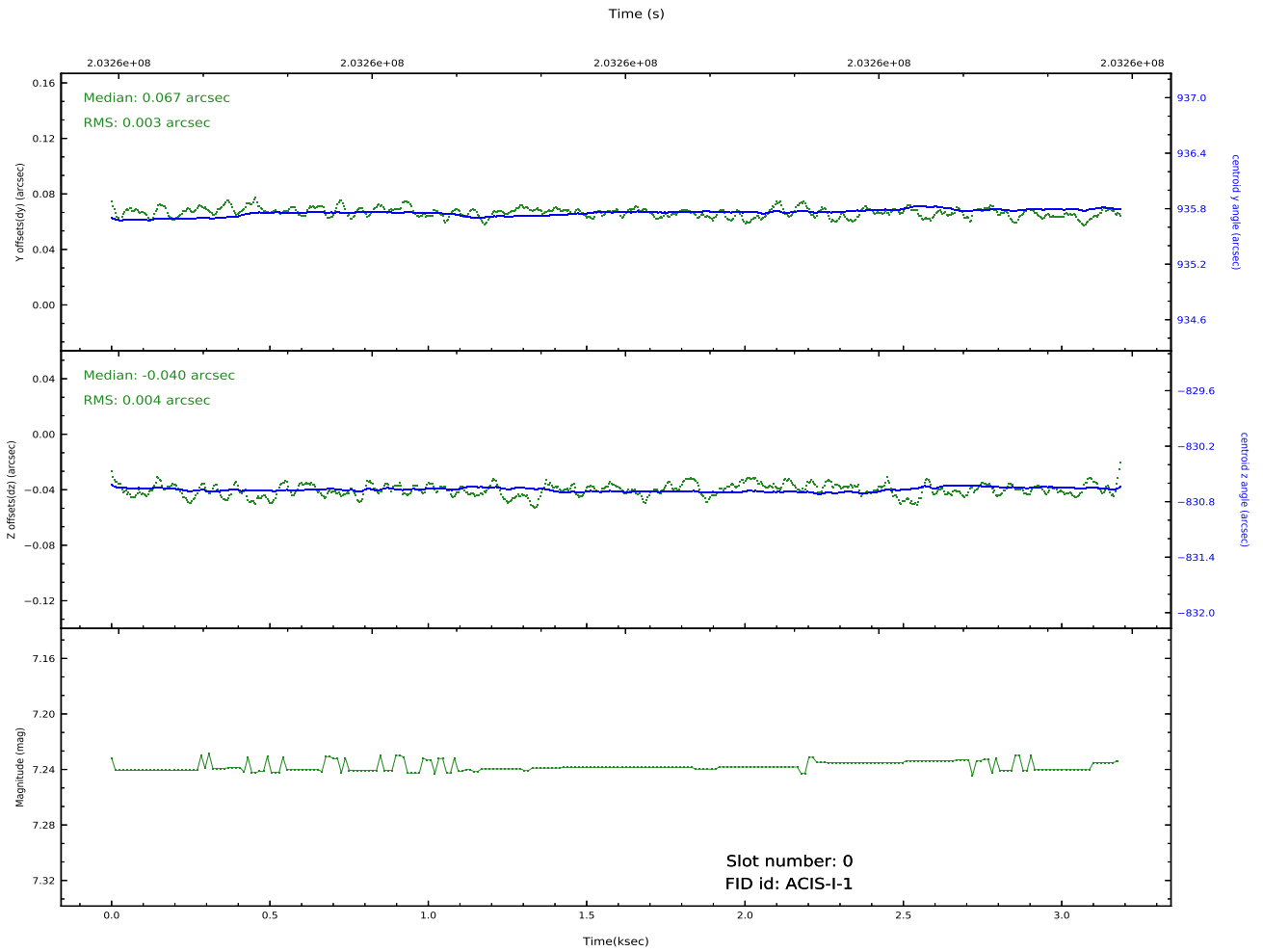
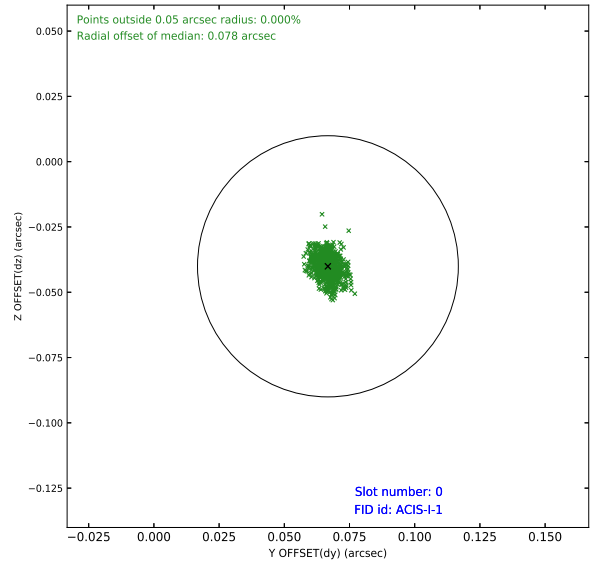
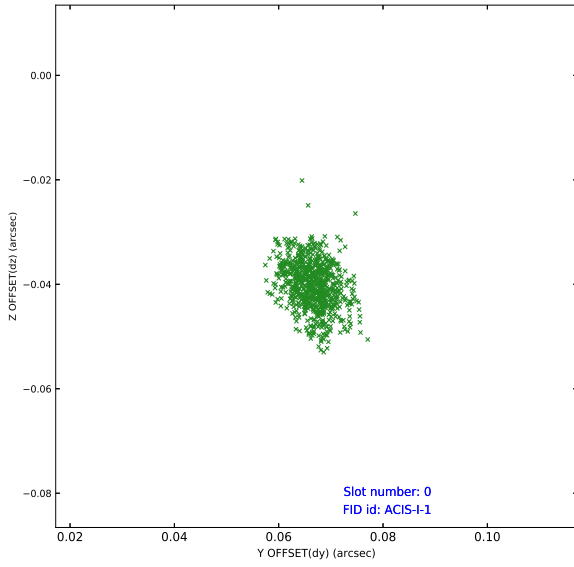


2.4.5 Slot 7

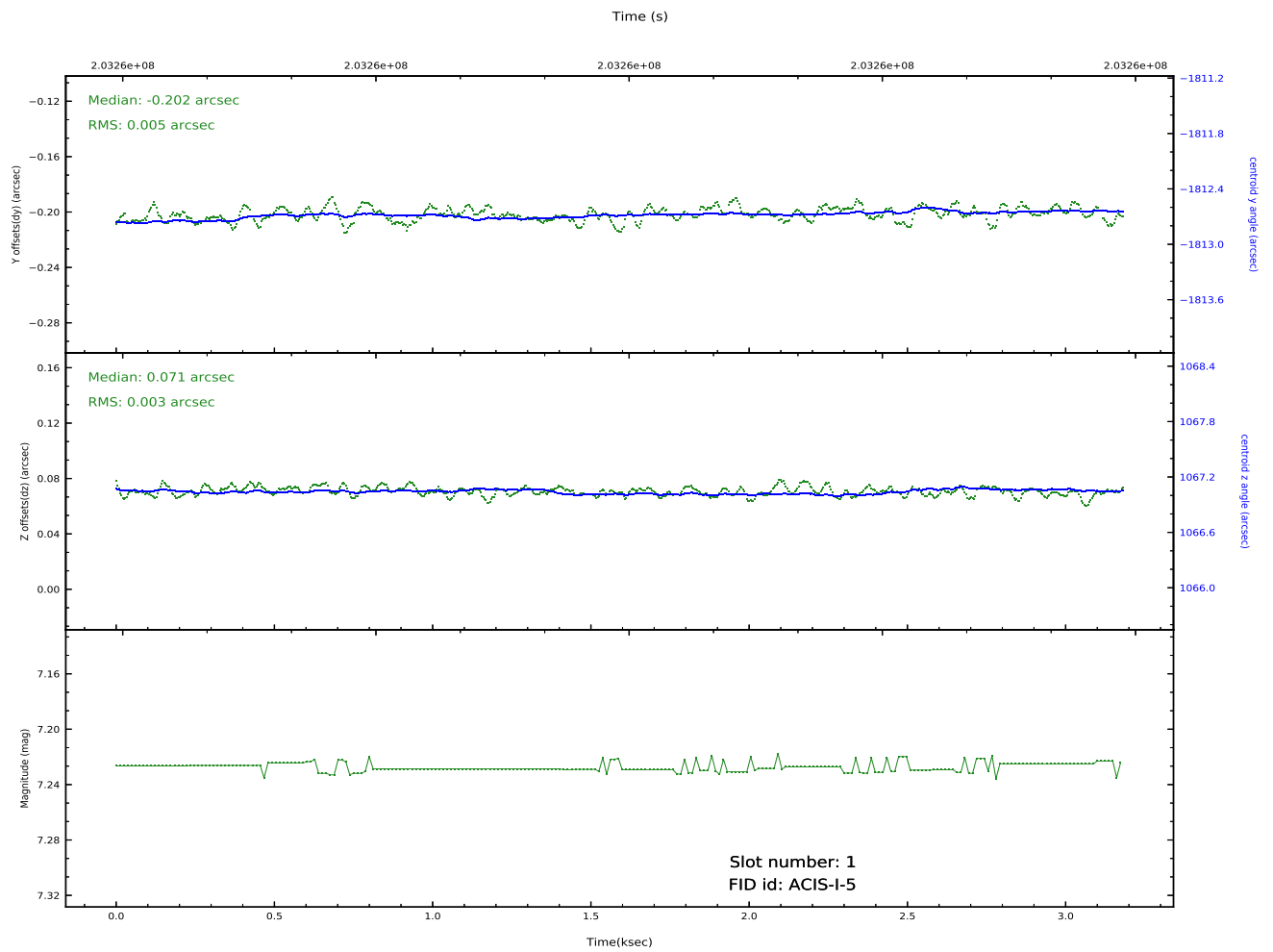
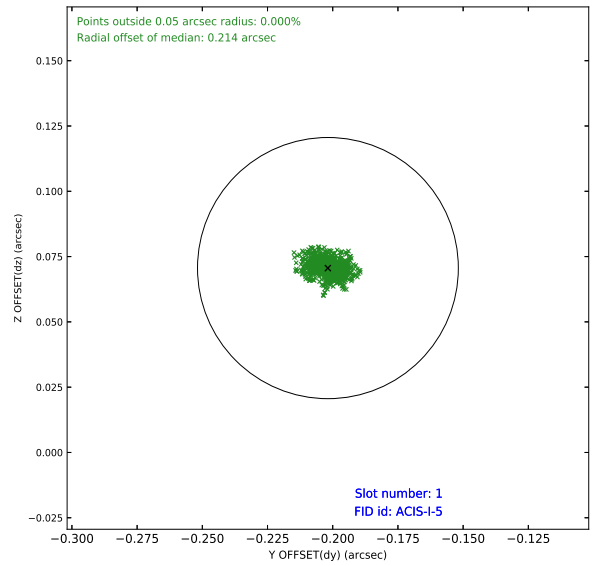
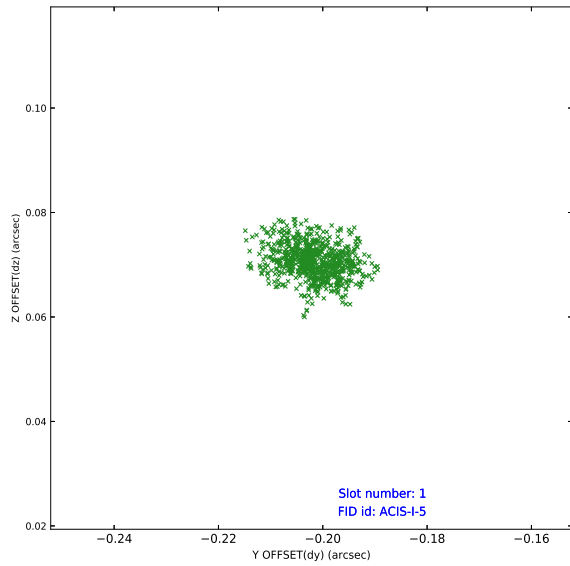


2.5 FID Slots

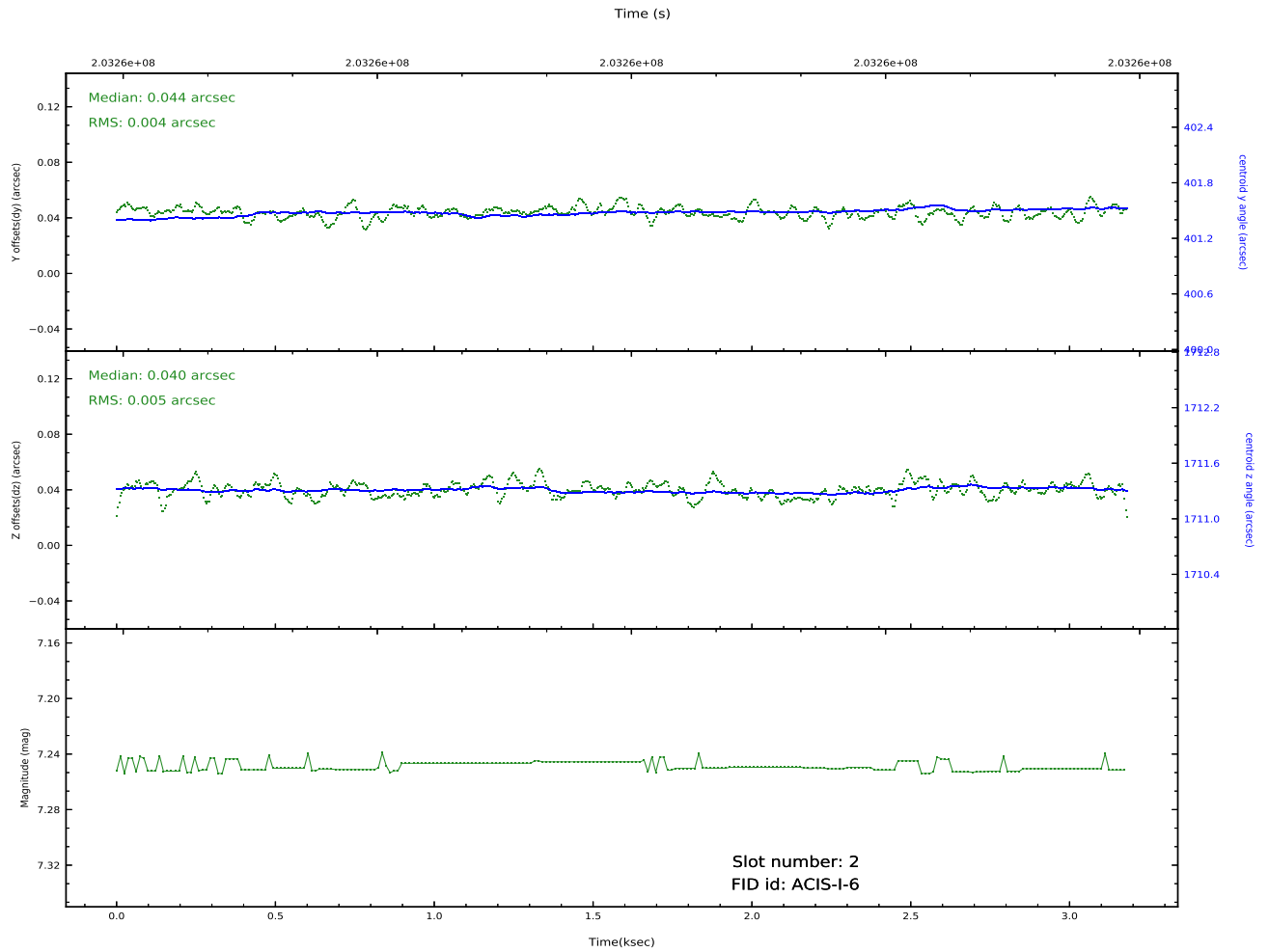
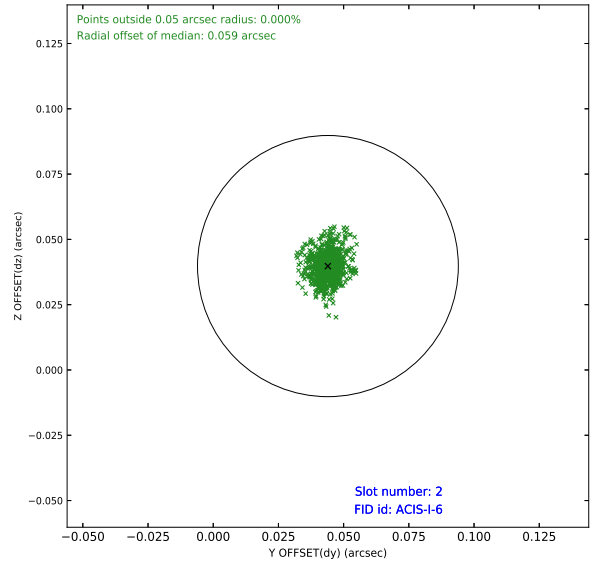
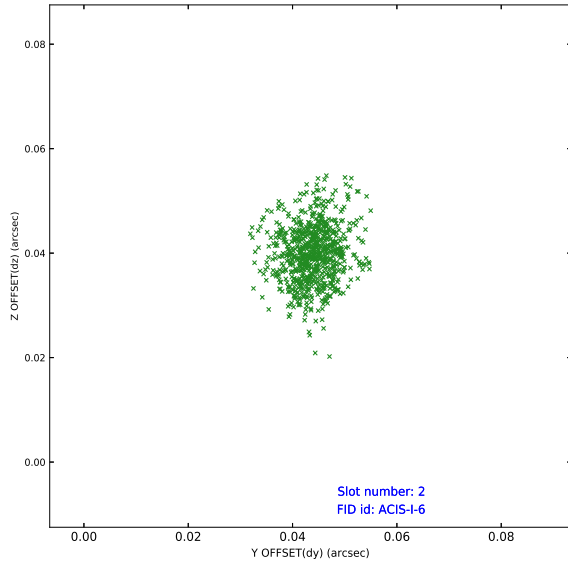
2.5.1 Slot 0



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	2.995

A.2 Comments

Charge time for this ObsId remains at previous value of 2.995 ks although with the current processing the charge time would have been 2.992 ks.