

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 6067 - L2 Version 4
Chandra X-Ray Center

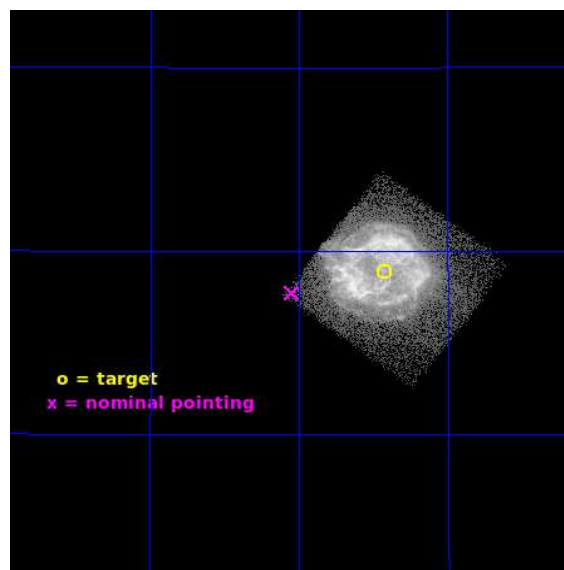
L2 Processing Date : Oct 7 2020

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1 Front

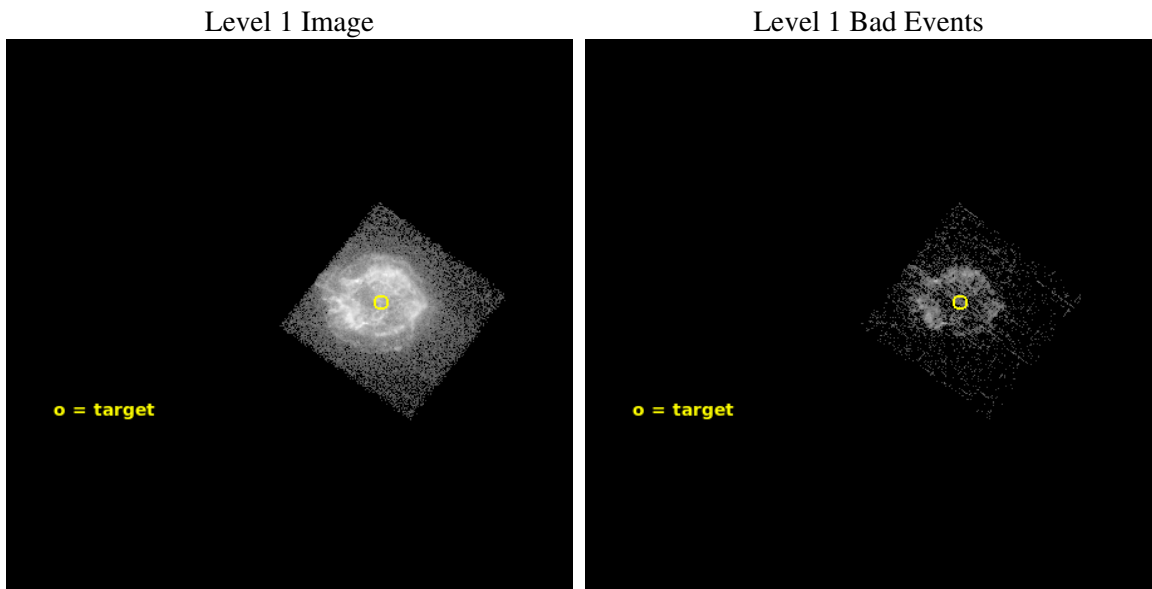
seq_num	590394	Sequence number
obs_id	6067	Observation id
title	AO6A Observations of the Standard Candles Cas A and G21.5-09	Propo
observer	CXC Calibration	Principal investigator
object	Cas A	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	350.8575	Observer's specified target RA [deg]
dec_targ	58.814833	Observer's specified target Dec [deg]
ra_nom	351.01190316213	Nominal RA [deg]
dec_nom	58.79566898777	Nominal Dec [deg]
roll_nom	36.972875337349	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1700.4797644913	Sum of GTIs [s]
livetime	1678.9472658073	Livetime [s]
ontime0	2105.599992156	Sum of GTIs [s]
ontime1	2105.599992156	Sum of GTIs [s]
ontime2	2105.599992156	Sum of GTIs [s]
ontime3	1700.4797644913	Sum of GTIs [s]
ontime6	2105.599992156	Sum of GTIs [s]
ontime7	2105.599992156	Sum of GTIs [s]
l2events	355998	Number of level 2 events



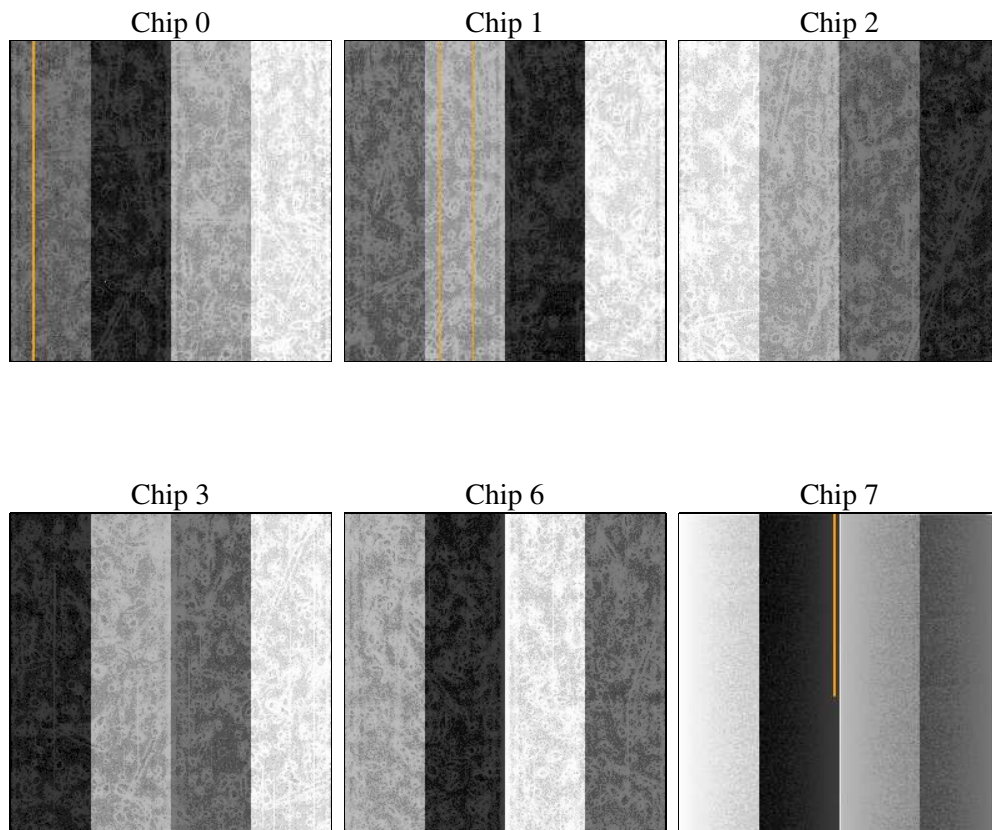
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	1700.4797644913	Sum of GTIs [s]
caldbver	4.9.2	 	ontime0	2105.599992156	Sum of GTIs [s]
date	2020-10-07T18:13:14	Date and time of file creation	ontime1	2105.599992156	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	2105.599992156	Sum of GTIs [s]
			ontime3	1700.4797644913	Sum of GTIs [s]
			ontime6	2105.599992156	Sum of GTIs [s]
			ontime7	2105.599992156	Sum of GTIs [s]
			l1events	445544	Number of level 1 events

2.1.4 Events

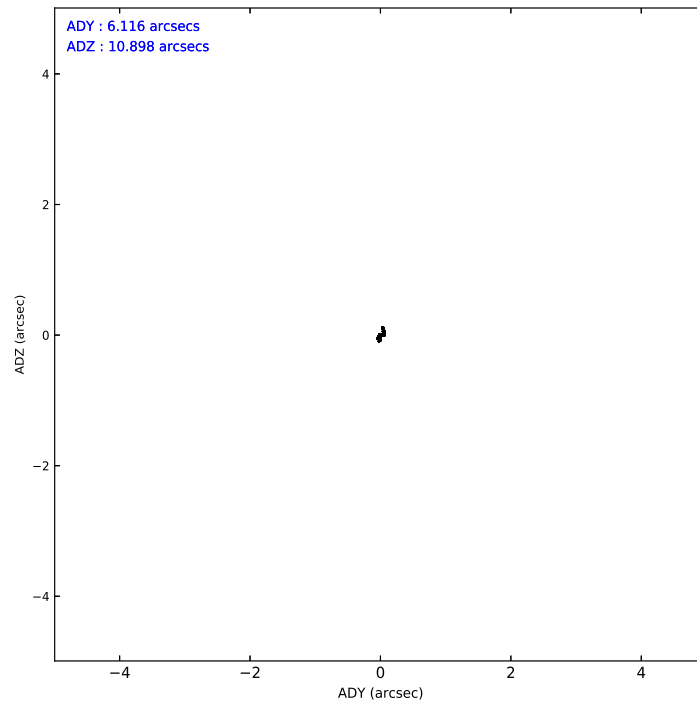
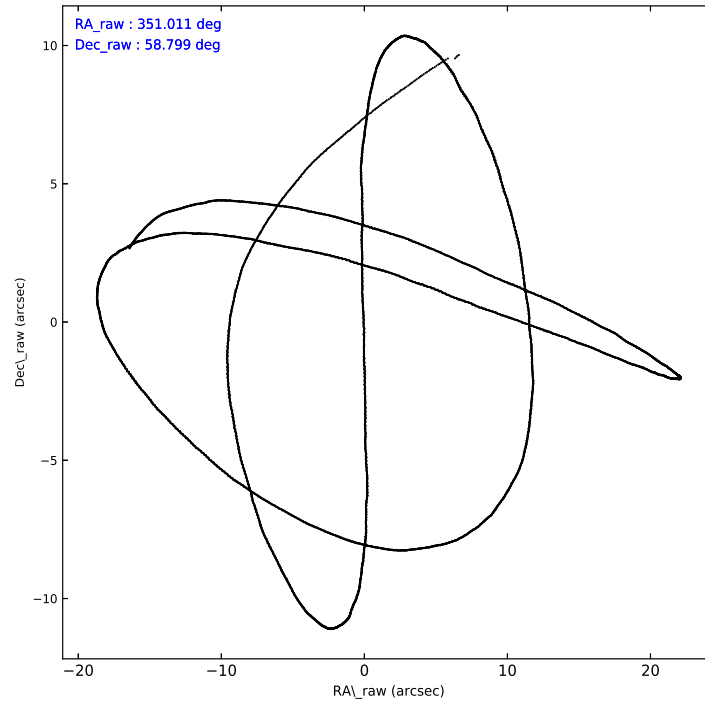
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	0	0	0	445544	0	0
rejected events	0	0	0	79466	0	0
rejected %	0%	0%	0%	17%	0%	0%

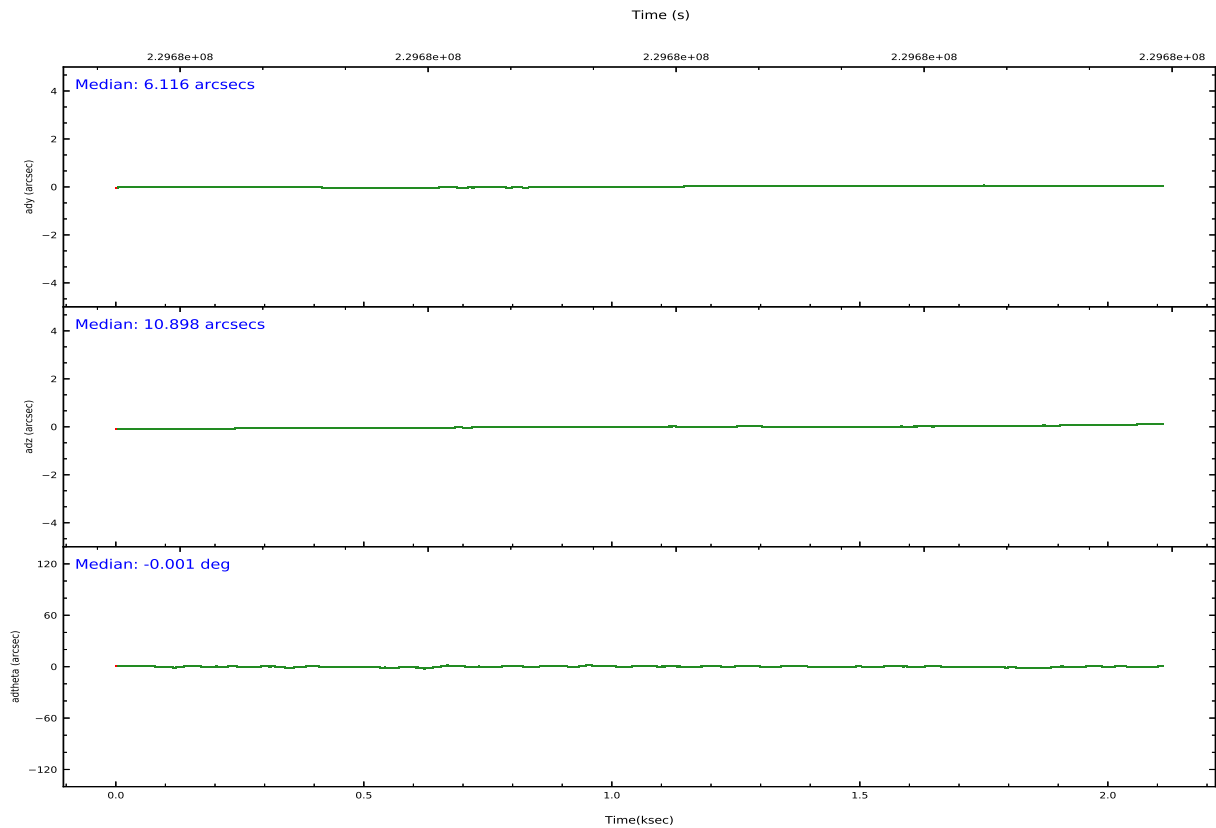
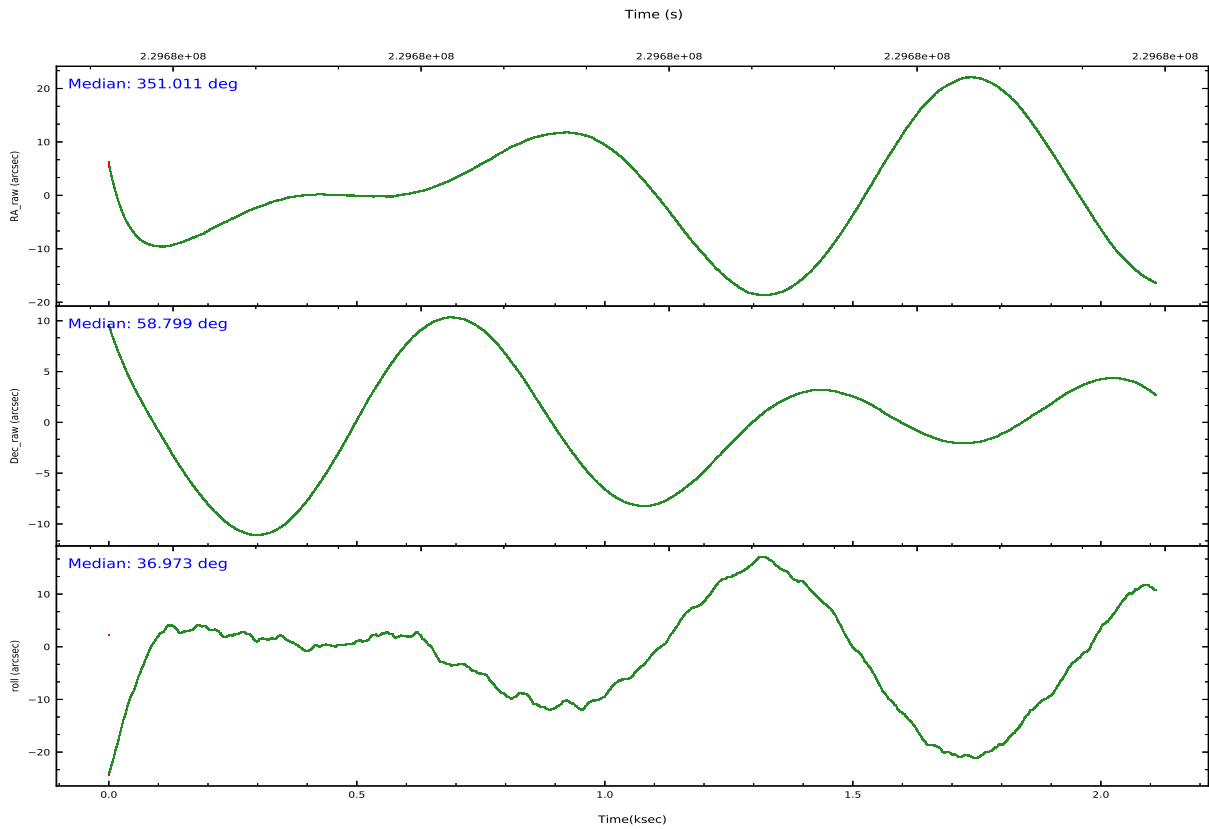
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	0	0	0	335311	0	0
	0%	0%	0%	75%	0%	0%
grade 1 events	0	0	0	5611	0	0
	0%	0%	0%	1%	0%	0%
grade 2 events	0	0	0	41829	0	0
	0%	0%	0%	9%	0%	0%
grade 3 events	0	0	0	13461	0	0
	0%	0%	0%	3%	0%	0%
grade 4 events	0	0	0	13632	0	0
	0%	0%	0%	3%	0%	0%
grade 5 events	0	0	0	3551	0	0
	0%	0%	0%	0%	0%	0%
grade 6 events	0	0	0	8682	0	0
	0%	0%	0%	1%	0%	0%
grade 7 events	0	0	0	23467	0	0
	0%	0%	0%	5%	0%	0%

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	350.990510	351.01190316213	Subarray requested	NONE	NONE
[deg] Pointing Dec	58.773994	58.79566898777	Alternating exposures requested	N	N
[deg] Pointing Roll	36.783542	36.972875337349	[s] Primary exposure time	0.000000	3.2
[s] Window start time (MET)	223603264.184000	223603264.184000			
[s] Window stop time (MET)	233884864.184000	233884864.184000			
[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)	229680482.184000	229678824.27071			
Observation start date	2005-04-12T08:06:58	2005-04-12T07:40:24			
[s] Observation end time (MET)	229682482.184000	229682632.14589			
Observation end date	2005-04-12T08:40:18	2005-04-12T08:43:52			
Read mode	TIMED	TIMED			

2.3 Aspect





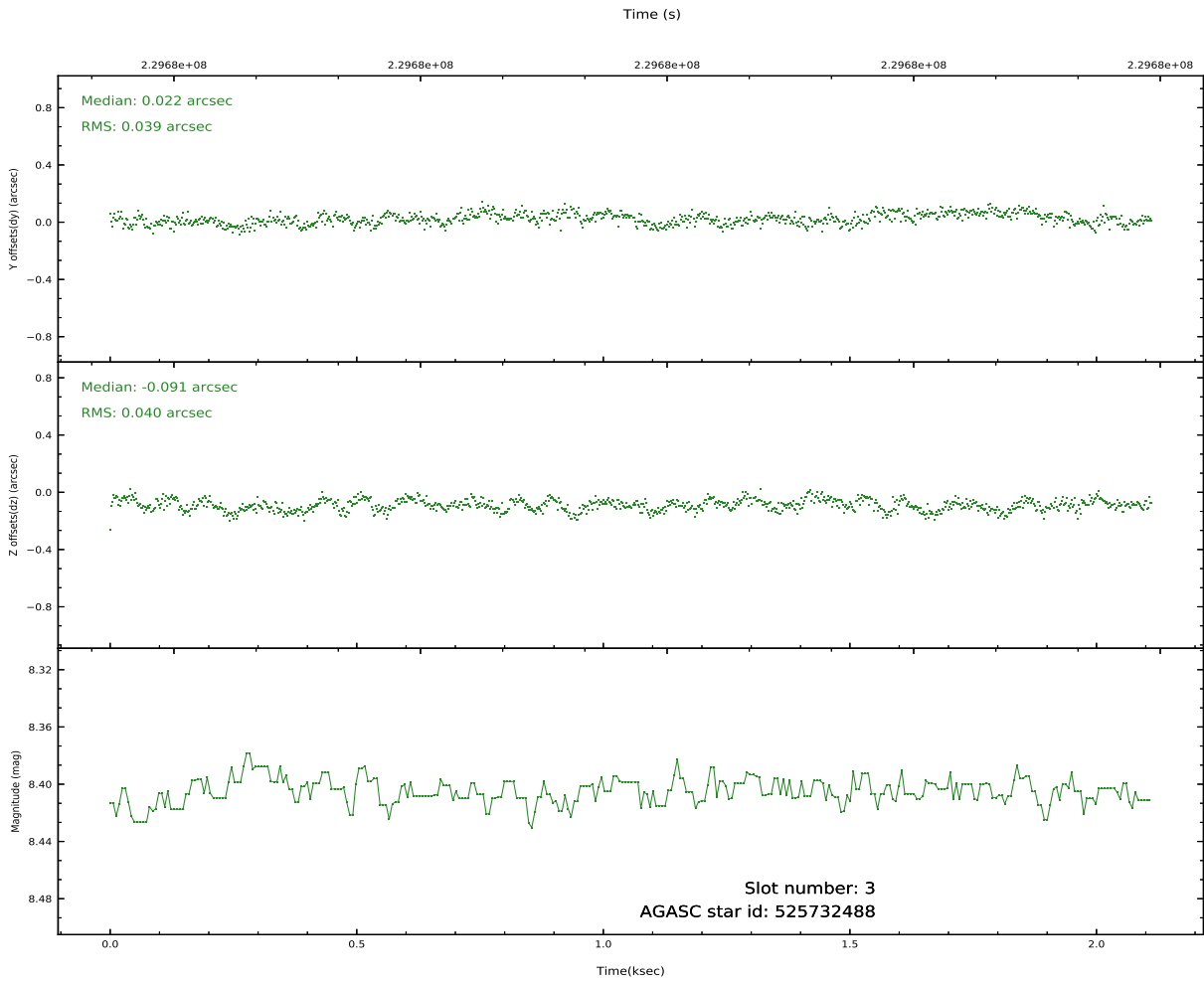
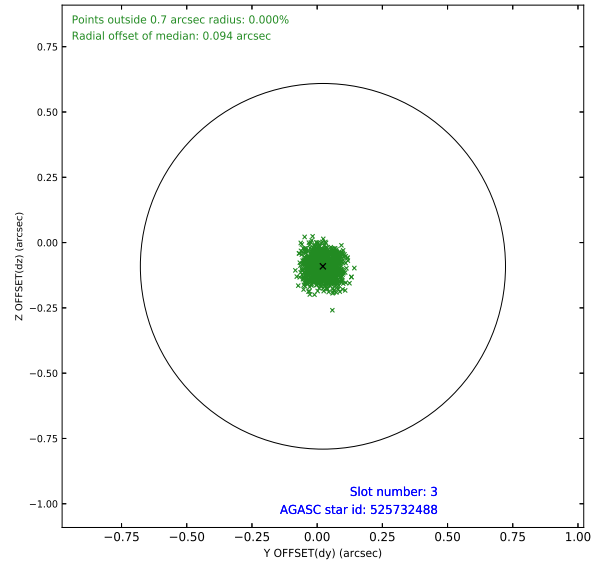
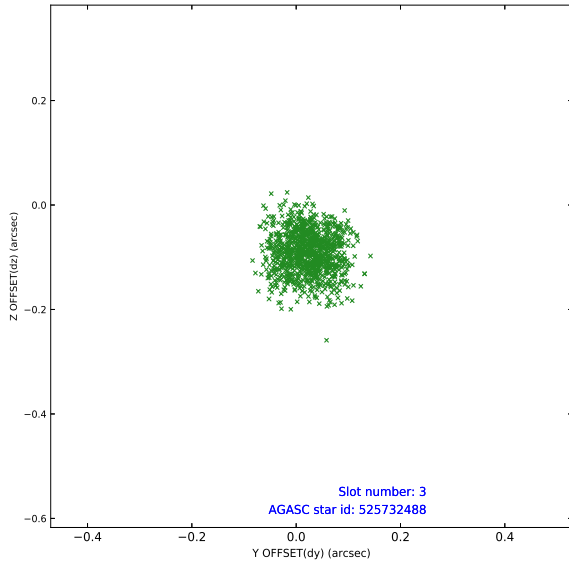
Slot Statistics

pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-I-2	7.14	515	1.000	-0.024	-0.115	0.009	0.018	0.000000	0.000000	-760.64	-840
1	FID		ACIS-I-5	7.23	515	1.000	-0.165	0.067	0.008	0.014	0.000000	0.000000	-1816.24	1061
2	FID		ACIS-I-6	7.25	516	1.000	0.095	0.116	0.006	0.011	0.000000	0.000000	395.90	1709
3	GUIDE	used	525732488	8.41	1031	1.000	0.022	-0.091	0.062	0.095	350.087090	58.516915	-1907.36	284
4	GUIDE	used	525732528	9.37	1031	1.000	0.156	0.062	0.085	0.143	351.607241	59.298932	2040.87	839
5	GUIDE	used	525735976	8.75	1031	1.000	0.065	0.163	0.055	0.092	350.142956	58.277622	-2346.64	-461
6	GUIDE	used	525735456	6.72	1031	1.000	-0.196	-0.123	0.052	0.077	350.628183	59.307249	614.94	1937
7	GUIDE	used	525740136	8.67	1030	1.000	-0.050	-0.009	0.073	0.115	352.585881	58.767876	2393.72	-1770

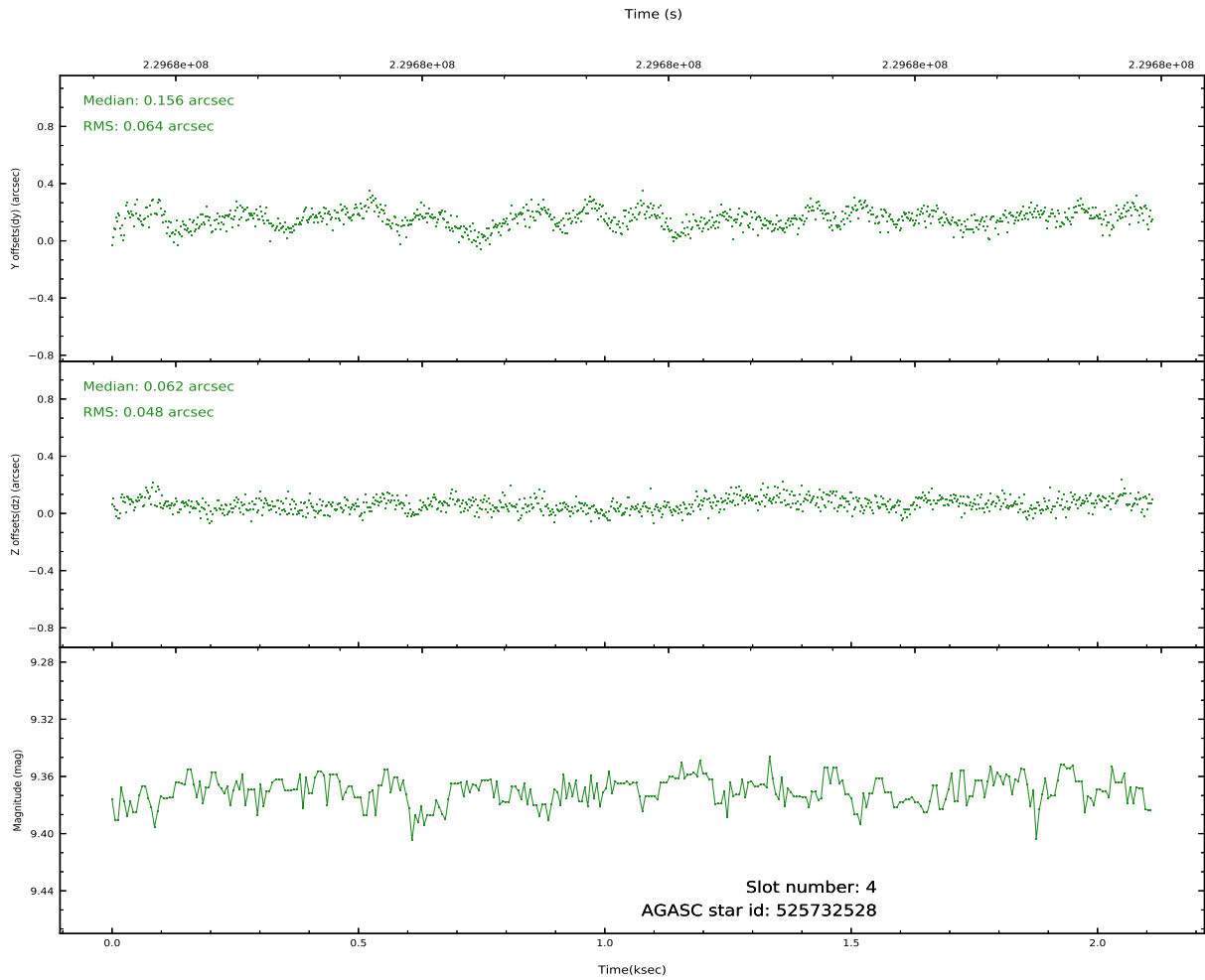
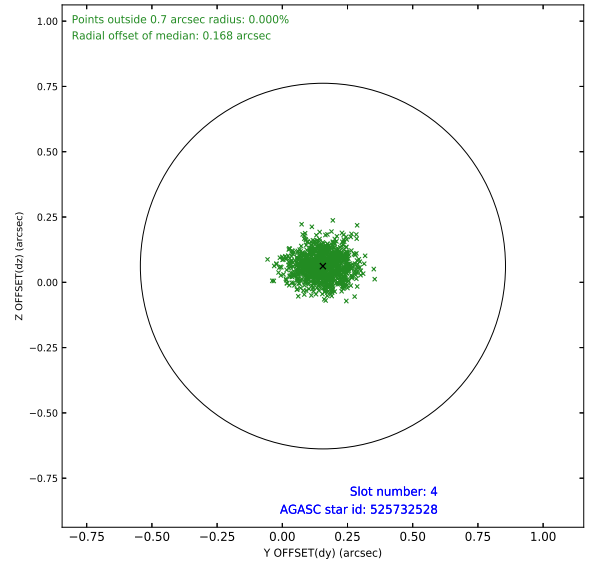
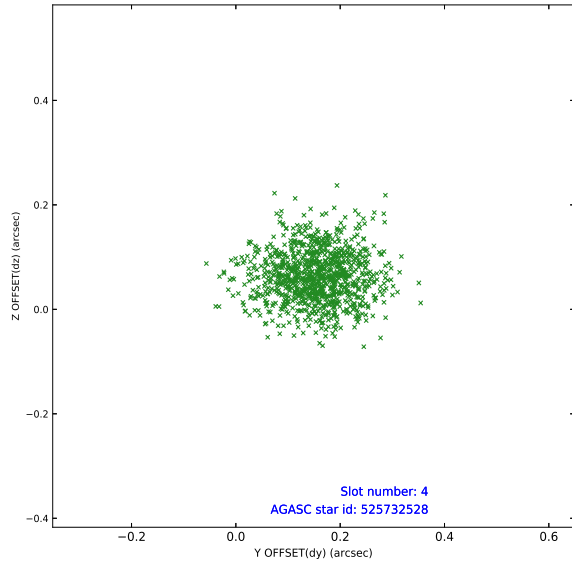
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2.4 Star Slots

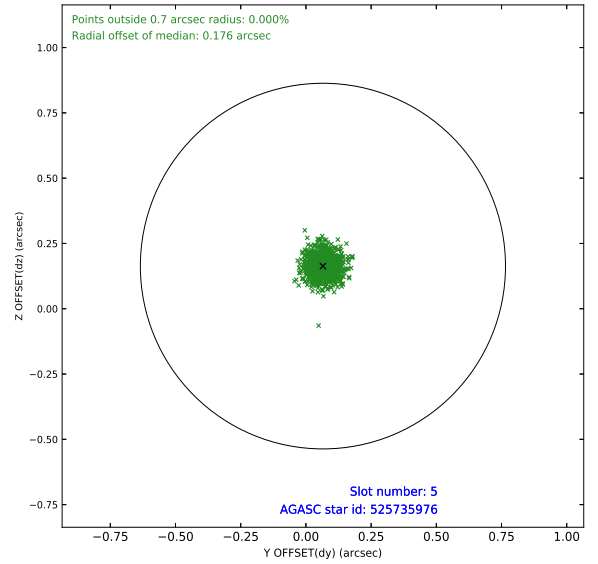
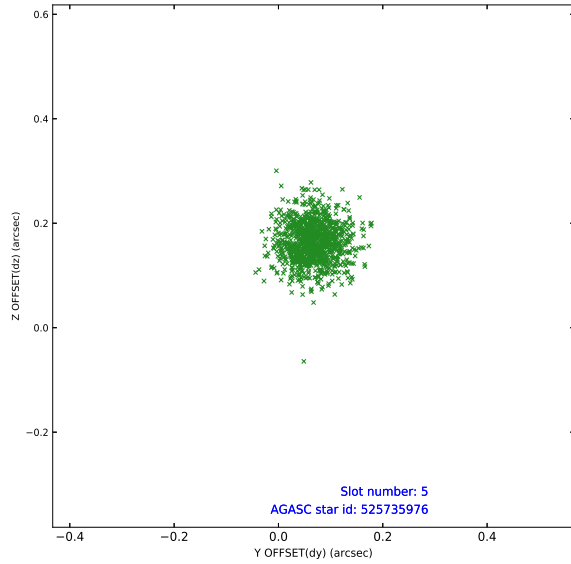
2.4.1 Slot 3



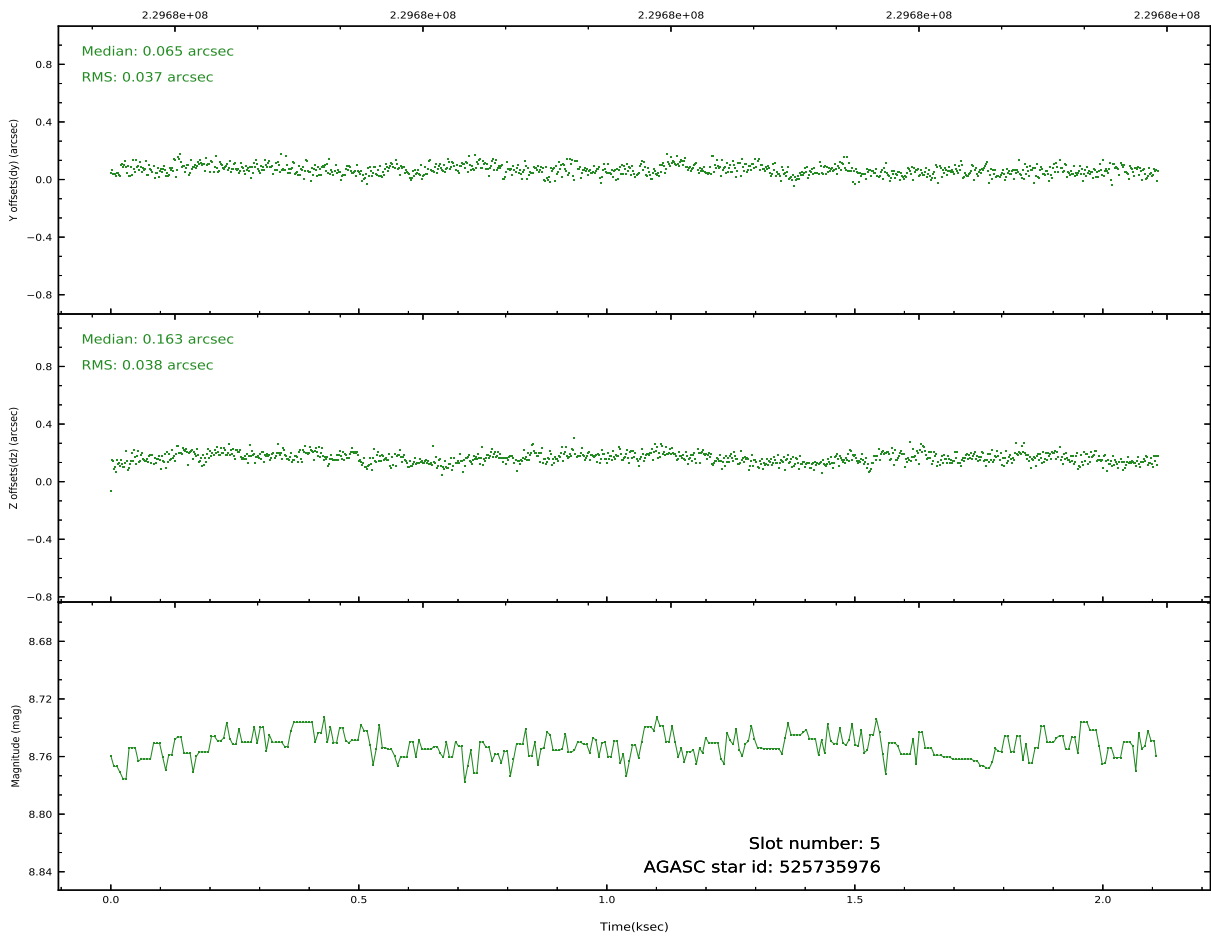
2.4.2 Slot 4



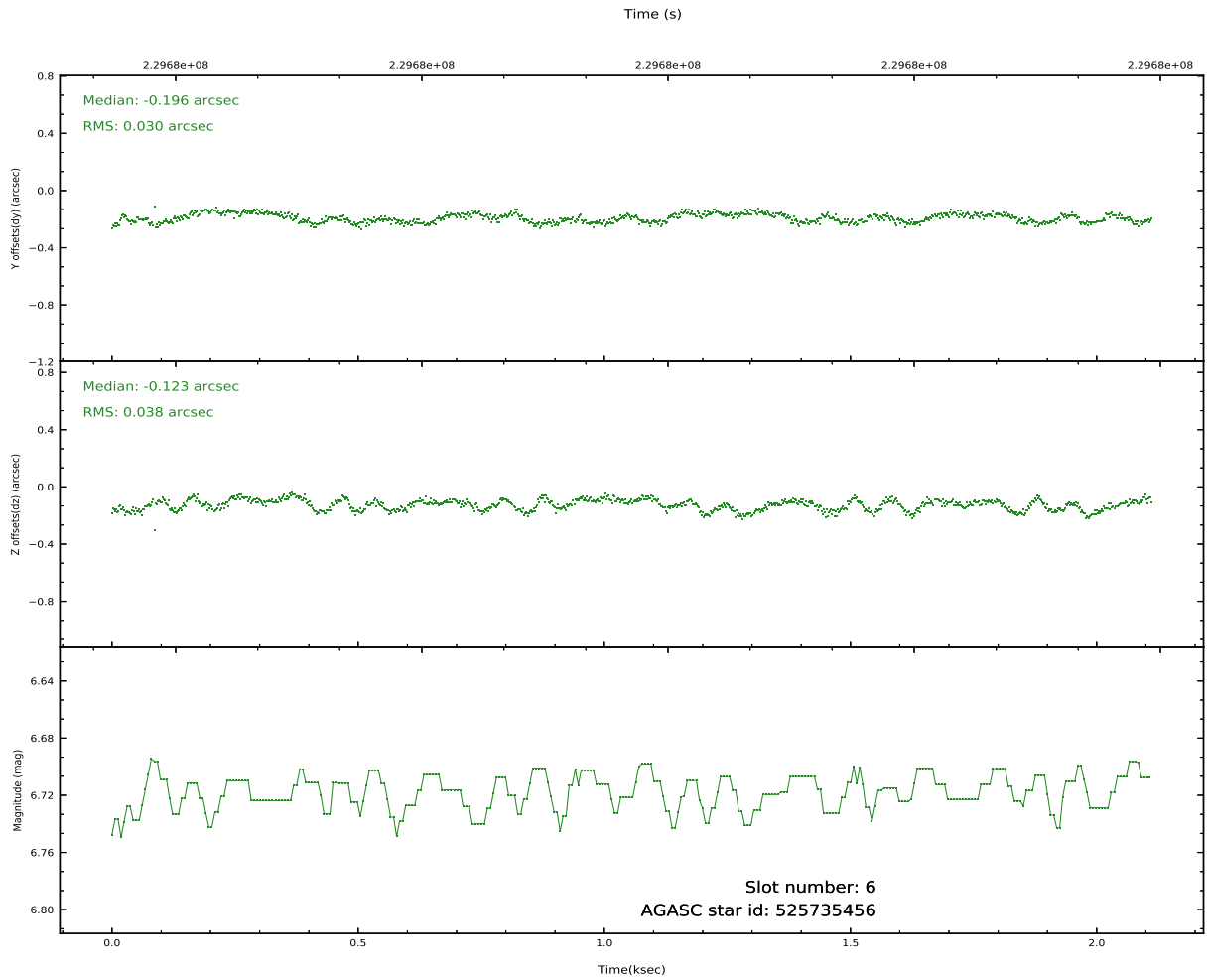
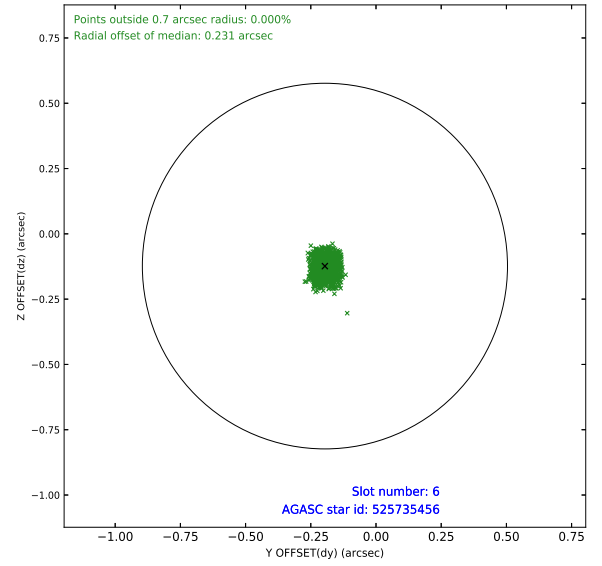
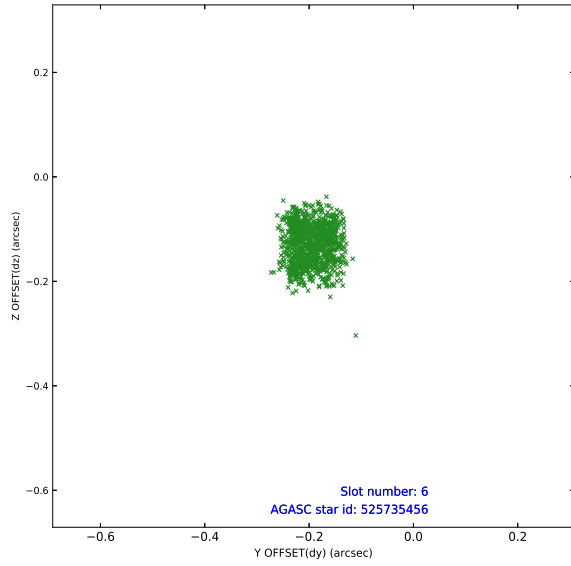
2.4.3 Slot 5



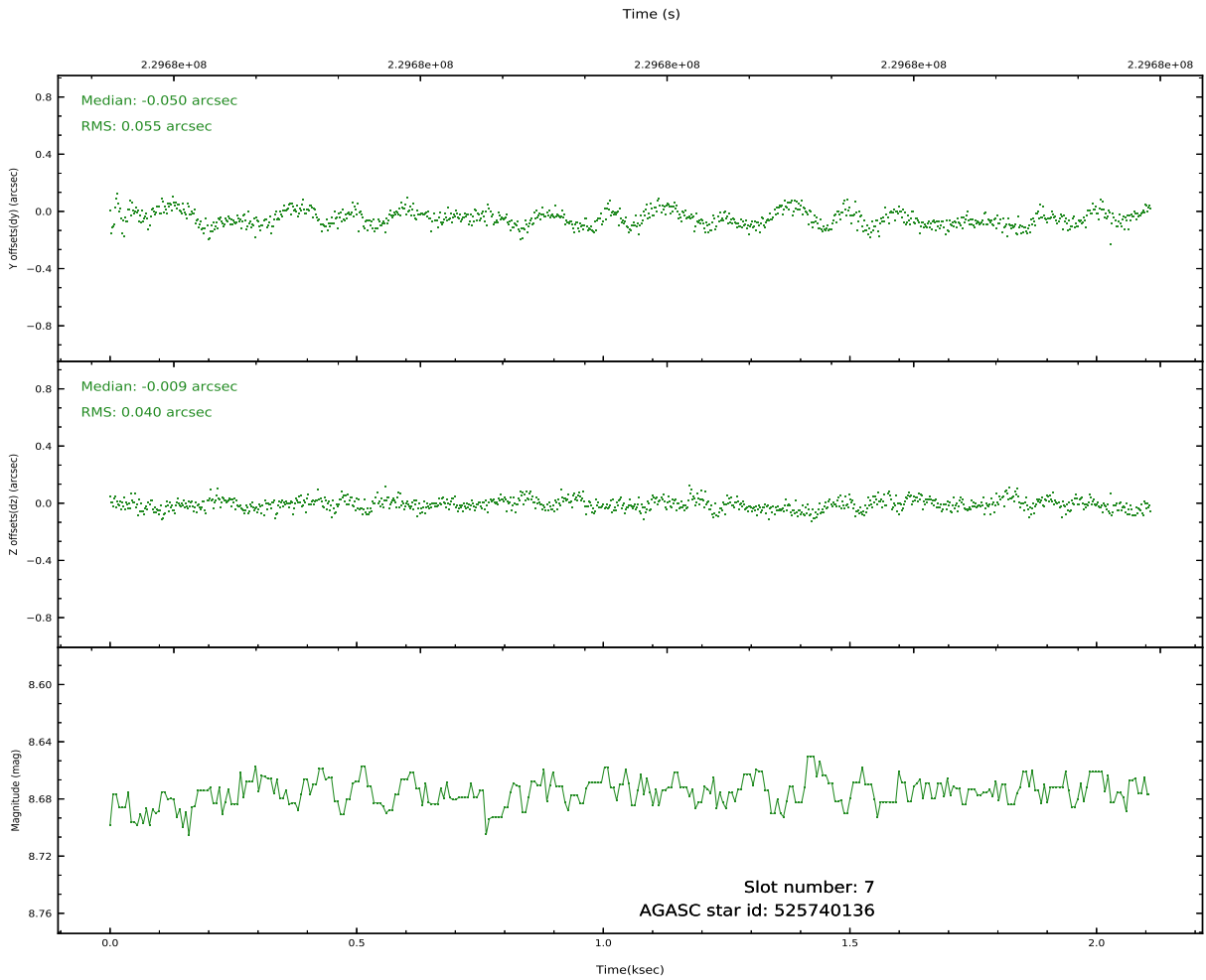
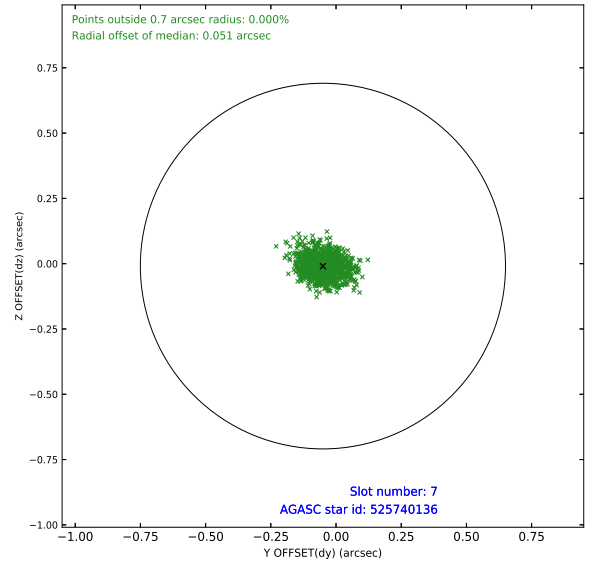
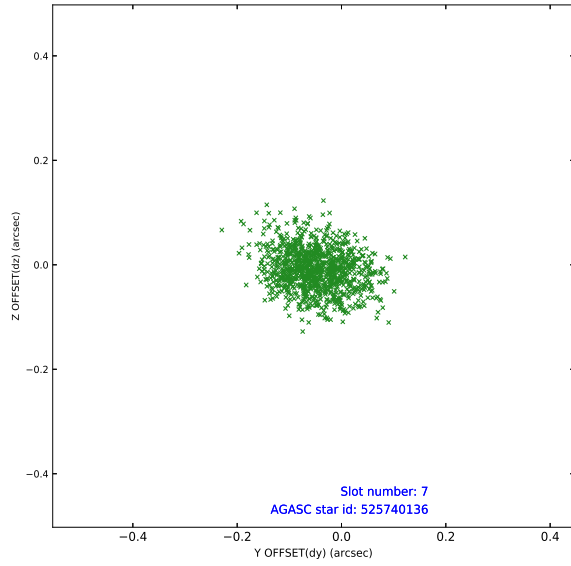
Time (s)



2.4.4 Slot 6

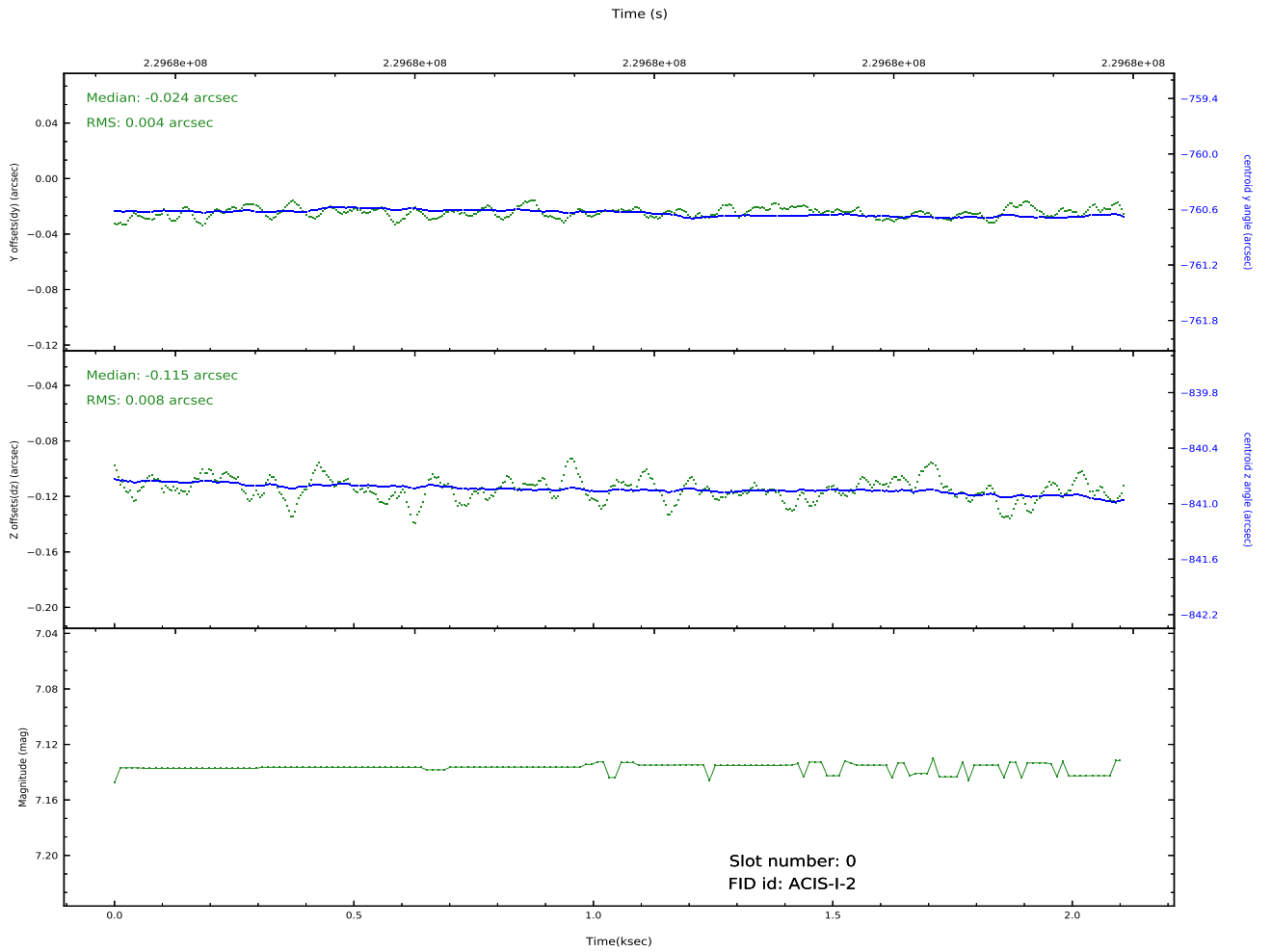
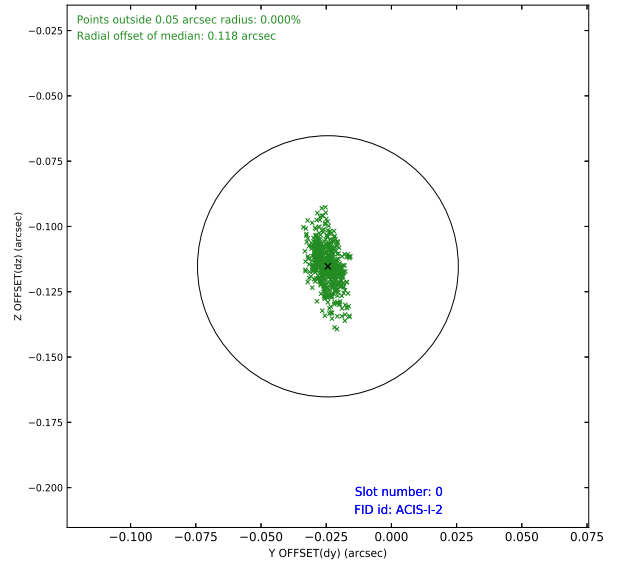
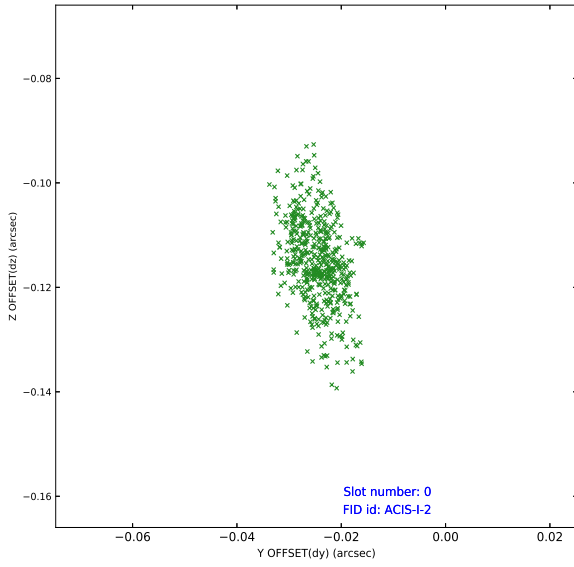


2.4.5 Slot 7

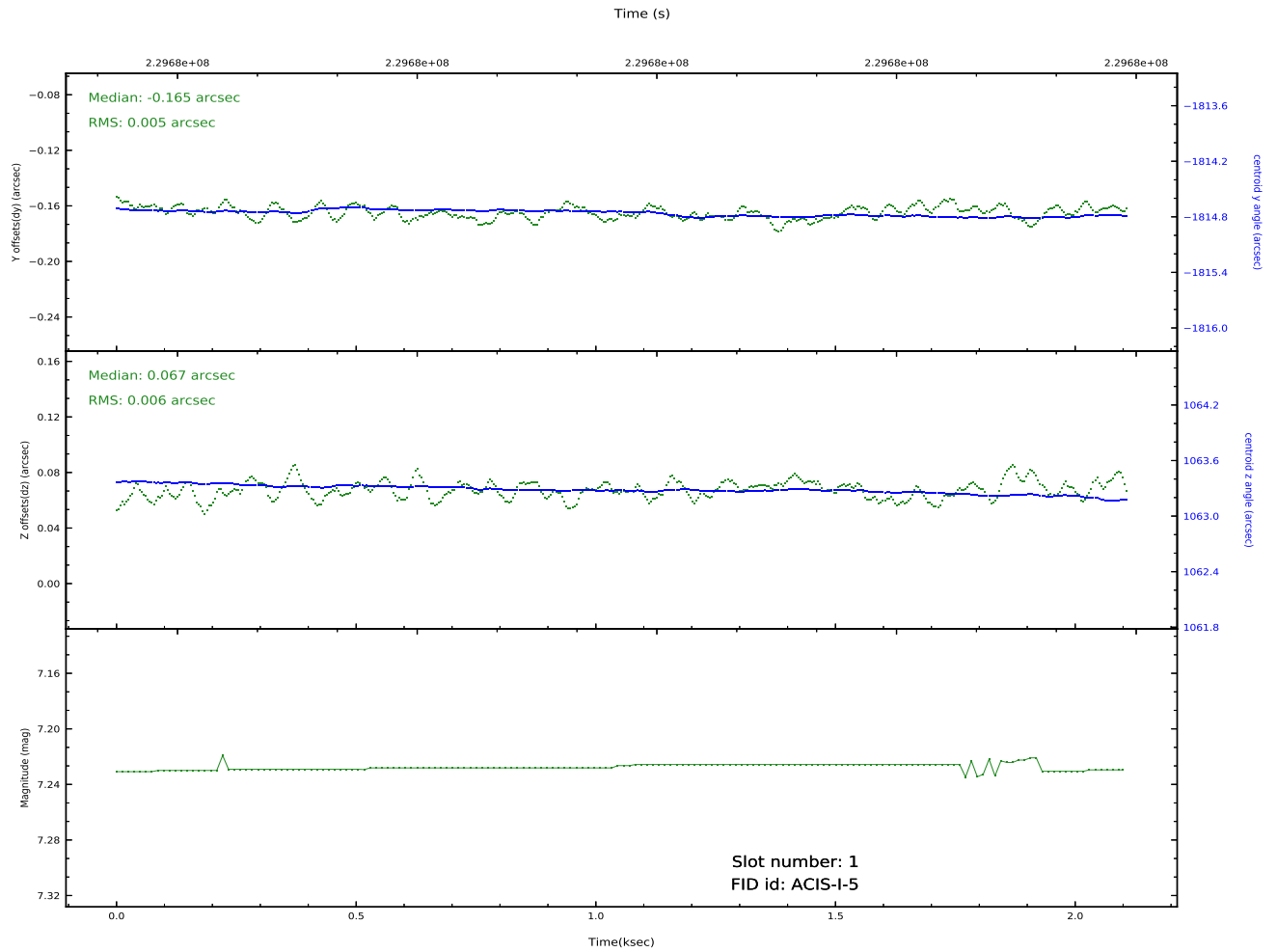
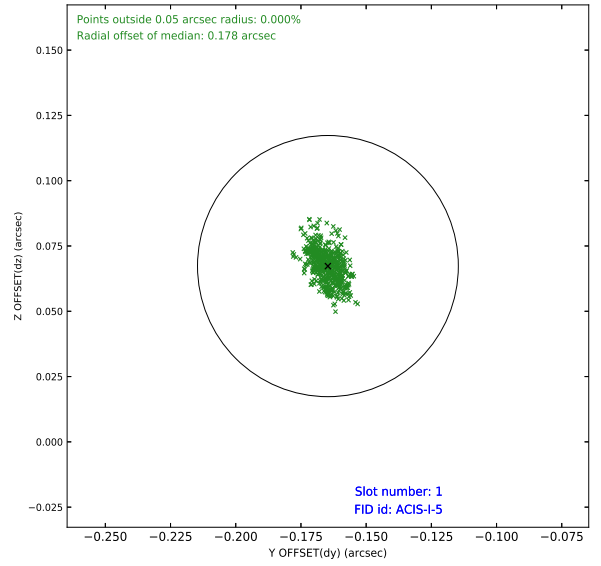
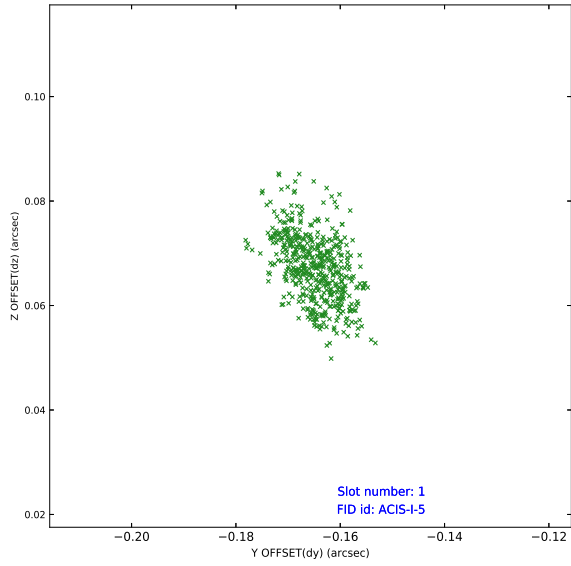


2.5 FID Slots

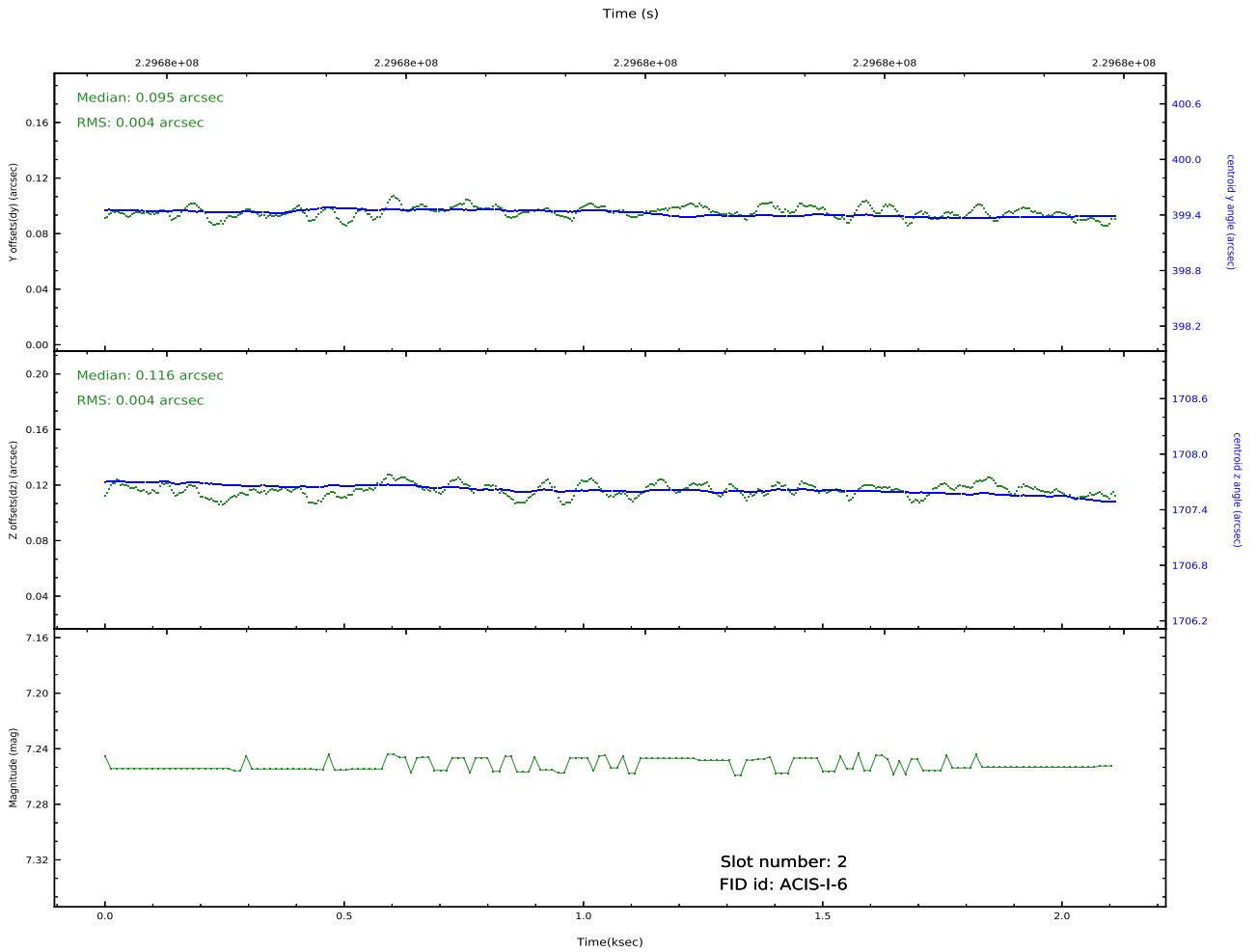
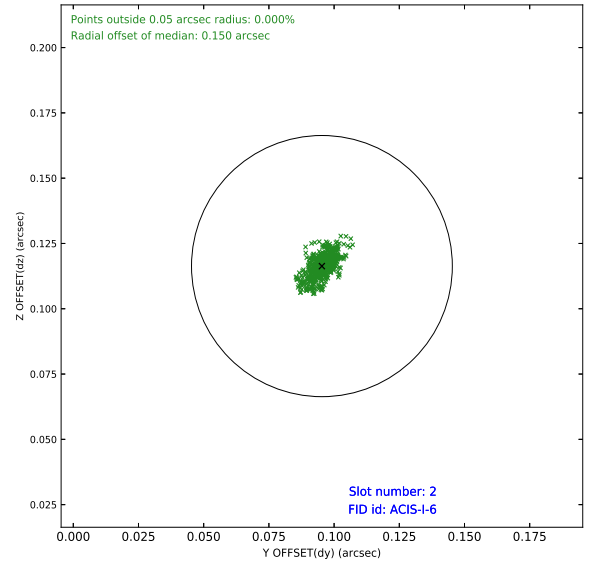
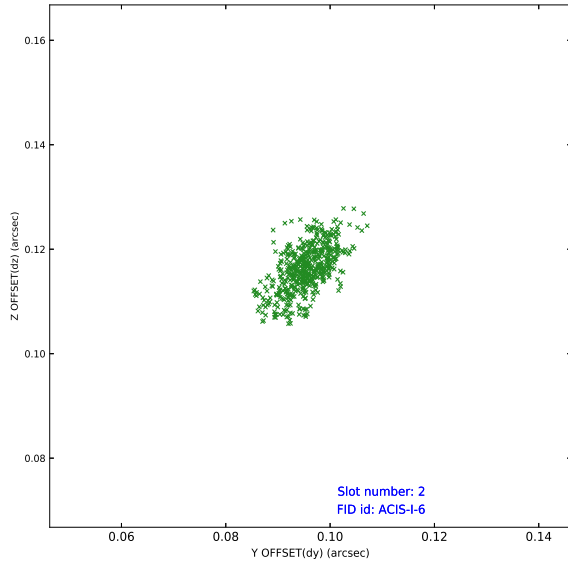
2.5.1 Slot 0



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)	2020.10.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.700479

A.2 Comments

Window constraint satisfied.