

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5287 - L2 Version 4
Chandra X-Ray Center

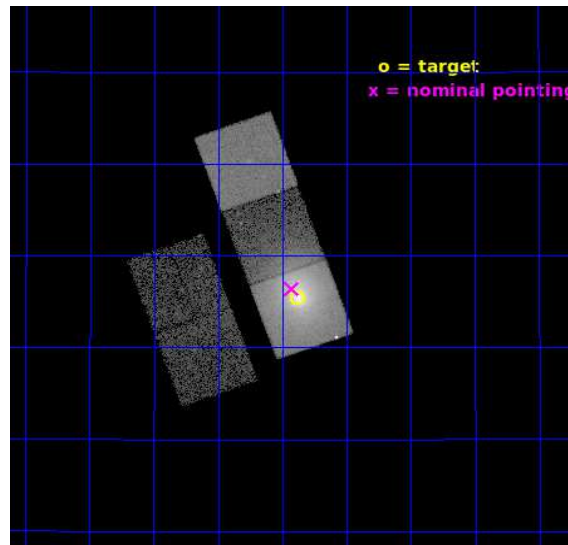
L2 Processing Date : Sep 23 2020

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1 Front

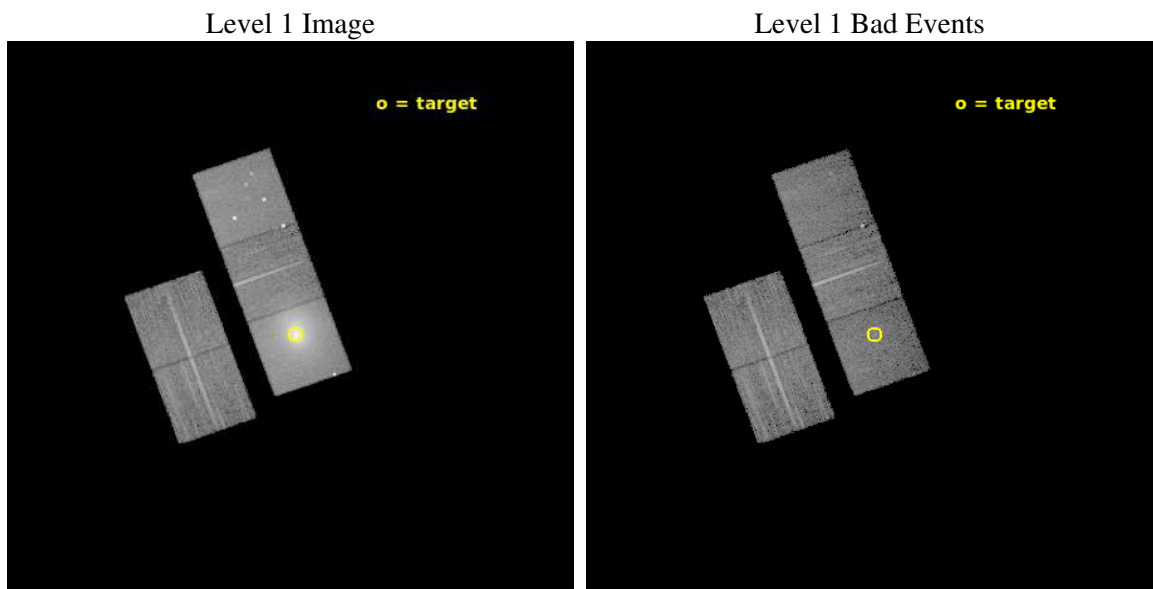
seq_num	890027	Sequence number
obs_id	5287	Observation id
title	Mapping the Depth of the Contaminant on the ACIS Filters with Abell 11795	Proposal title
observer	CXC Calibration	Principal investigator
object	A1795	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	207.219583	Observer's specified target RA [deg]
dec_targ	26.590833	Observer's specified target Dec [deg]
ra_nom	207.2314249102	Nominal RA [deg]
dec_nom	26.606992902938	Nominal Dec [deg]
roll_nom	70.233923427464	Nominal Roll [deg]
revision	4	Processing version of data
ontime	14492.201626092	Sum of GTIs [s]
livetime	14302.850342844	Livetime [s]
ontime2	14492.037466079	Sum of GTIs [s]
ontime3	14482.655625224	Sum of GTIs [s]
ontime5	14492.160586089	Sum of GTIs [s]
ontime6	14492.119546086	Sum of GTIs [s]
ontime7	14492.201626092	Sum of GTIs [s]
l2events	292507	Number of level 2 events



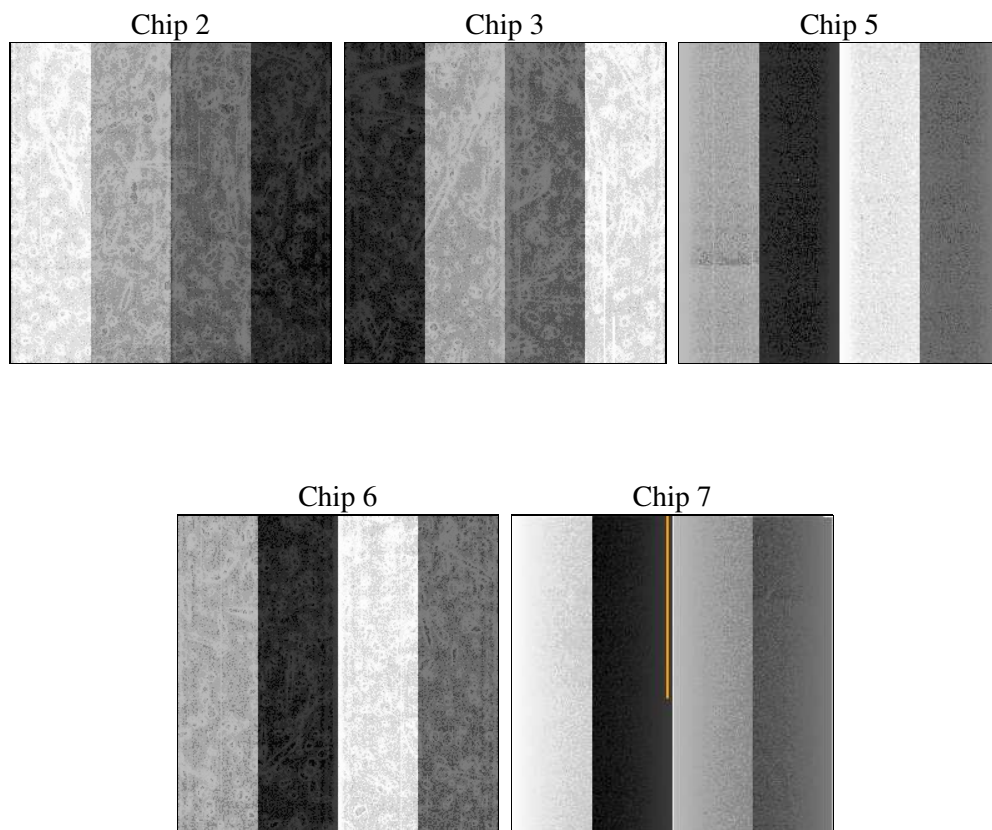
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	14715.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	14492.201626092	Sum of GTIs [s]
caldsver	4.9.2	 	ontime2	14492.037466079	Sum of GTIs [s]
date	2020-09-23T12:46:43	Date and time of file creation	ontime3	14482.655625224	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	14492.160586089	Sum of GTIs [s]
			ontime6	14492.119546086	Sum of GTIs [s]
			ontime7	14492.201626092	Sum of GTIs [s]
			l1events	600347	Number of level 1 events

2.1.4 Events

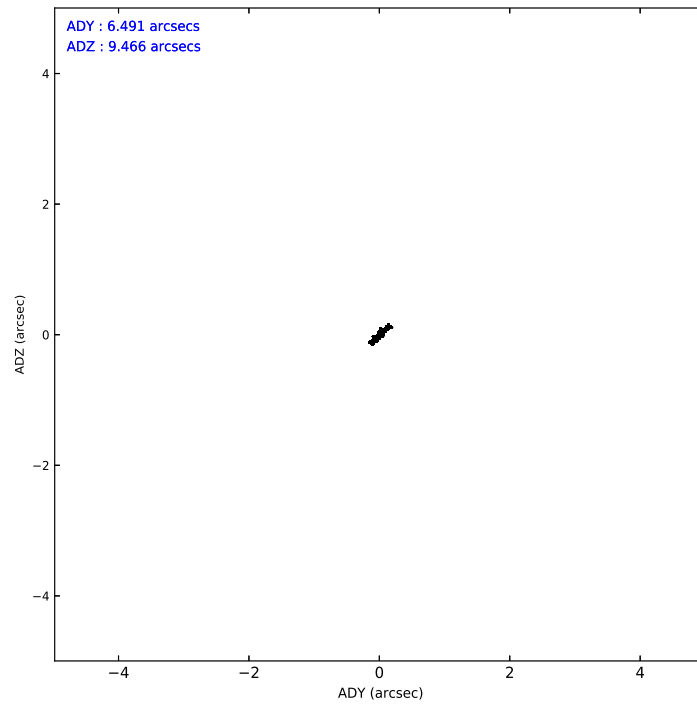
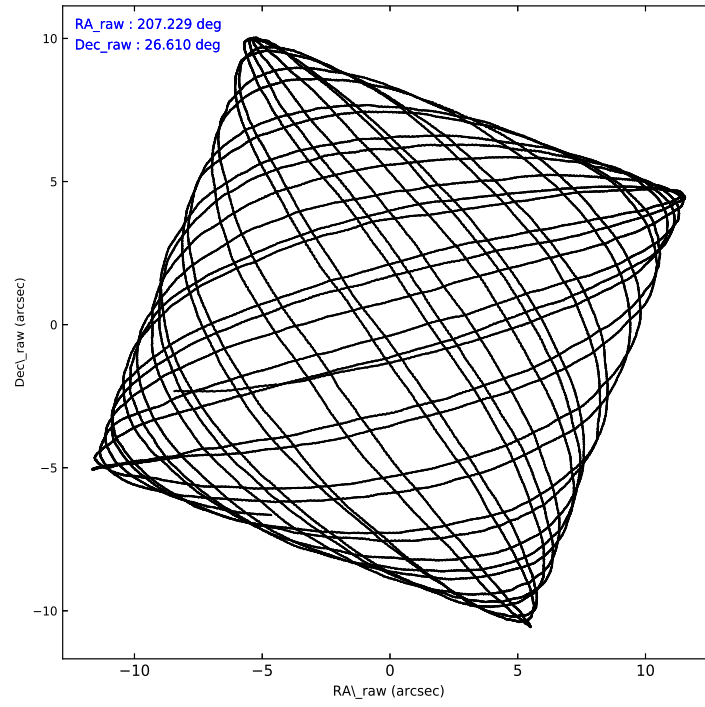
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	73724	73360	106898	83781	262584
rejected events	65779	65749	50674	62801	45712
rejected %	89%	89%	47%	74%	17%

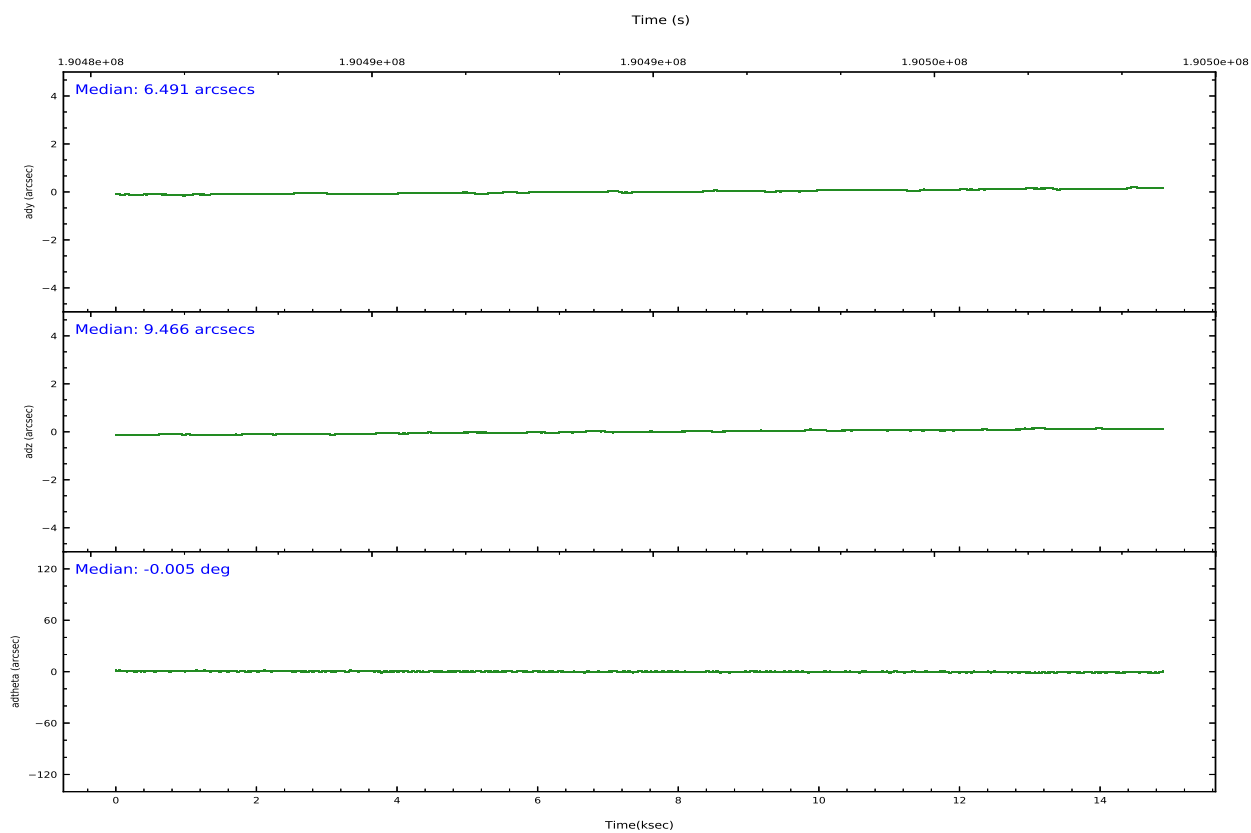
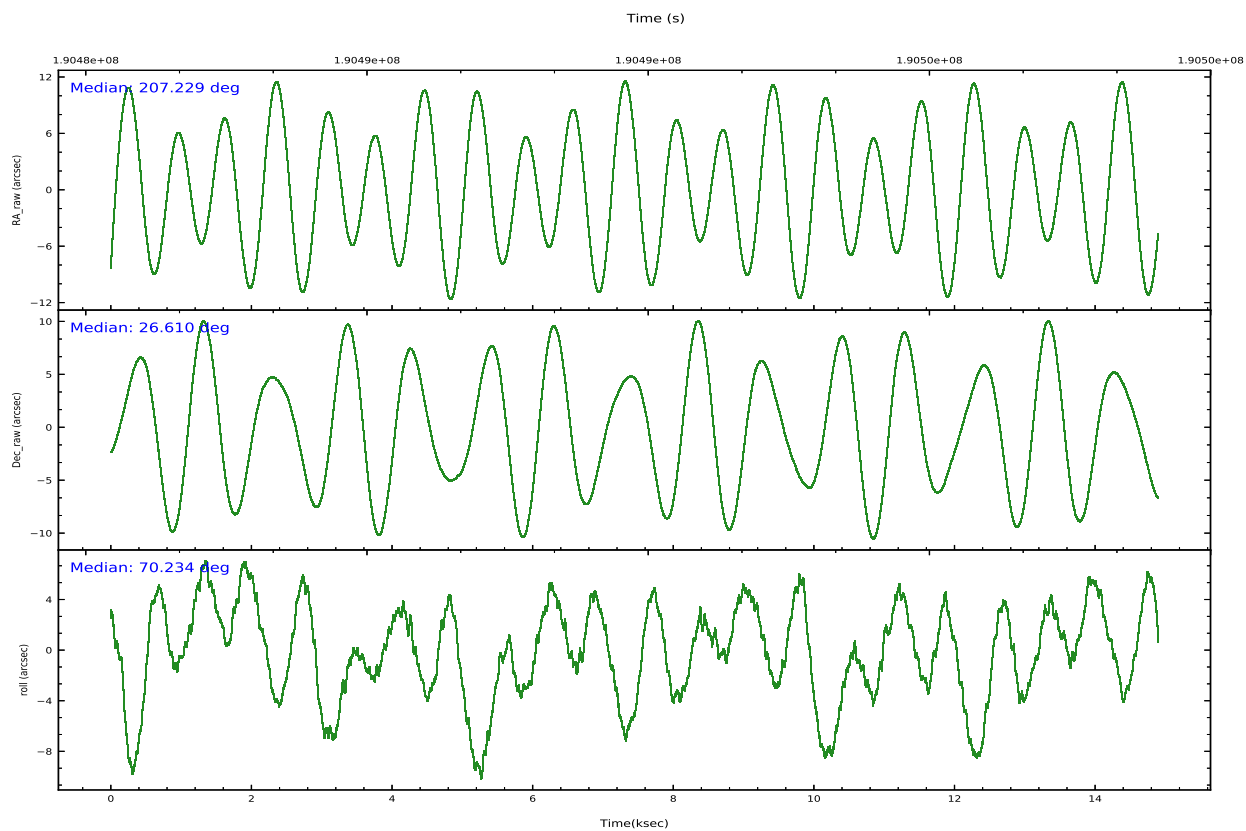
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	3283	3111	10867	13671	61422
	4%	4%	10%	16%	23%
grade 1 events	34	39	257	72	151
	0%	0%	0%	0%	0%
grade 2 events	1676	1458	14379	2934	54280
	2%	1%	13%	3%	20%
grade 3 events	827	839	2596	1235	24165
	1%	1%	2%	1%	9%
grade 4 events	831	830	2417	1208	23878
	1%	1%	2%	1%	9%
grade 5 events	2343	2908	8598	2977	9656
	3%	3%	8%	3%	3%
grade 6 events	1329	1374	25974	1935	53185
	1%	1%	24%	2%	20%
grade 7 events	63401	62801	41810	59749	35847
	85%	85%	39%	71%	13%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-23567	ACIS-23567	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	207.235036	207.2314249102	Subarray requested	NONE	NONE
[deg] Pointing Dec	26.582991	26.606992902938	Alternating exposures requested	N	N
[deg] Pointing Roll	70.076944	70.23392342746401	[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)	190484537.184000	190484161.1744			
Observation start date	2004-01-14T16:21:13	2004-01-14T16:16:01			
[s] Observation end time (MET)	190499252.184000	190499800.62508			
Observation end date	2004-01-14T20:26:28	2004-01-14T20:36:40			
Read mode	TIMED	TIMED			

2.3 Aspect



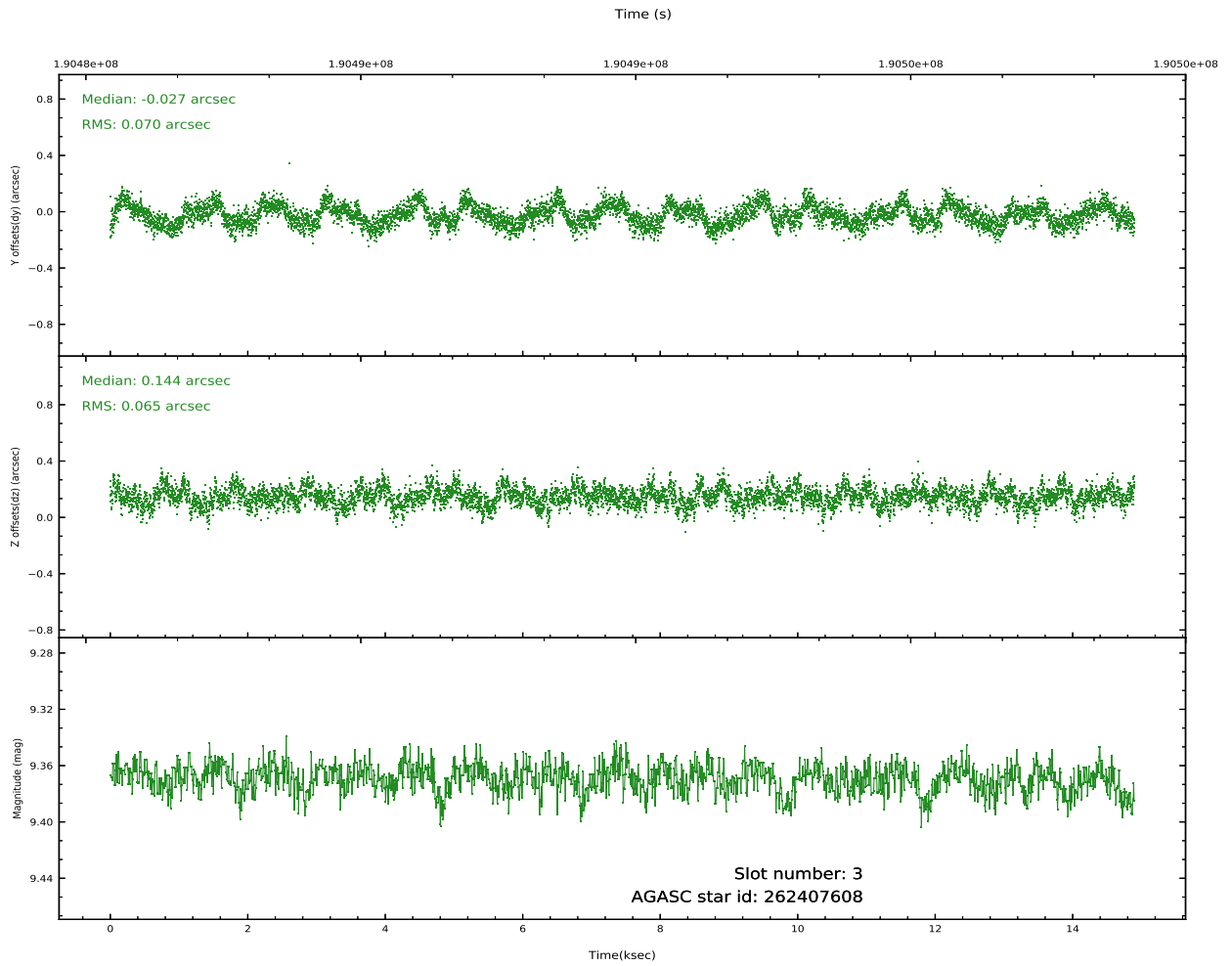
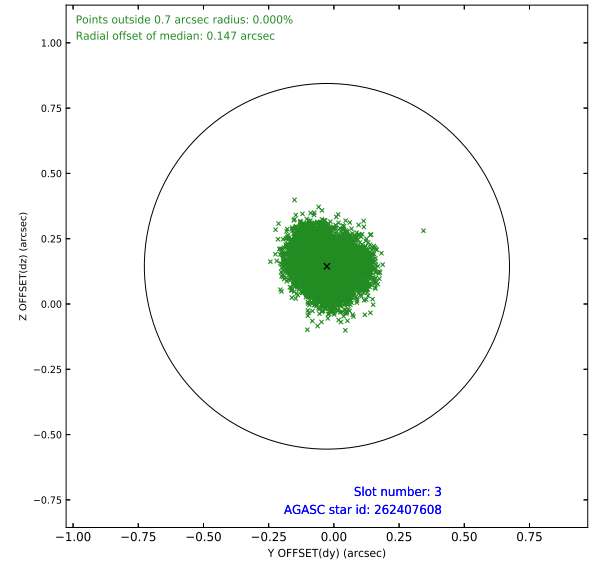
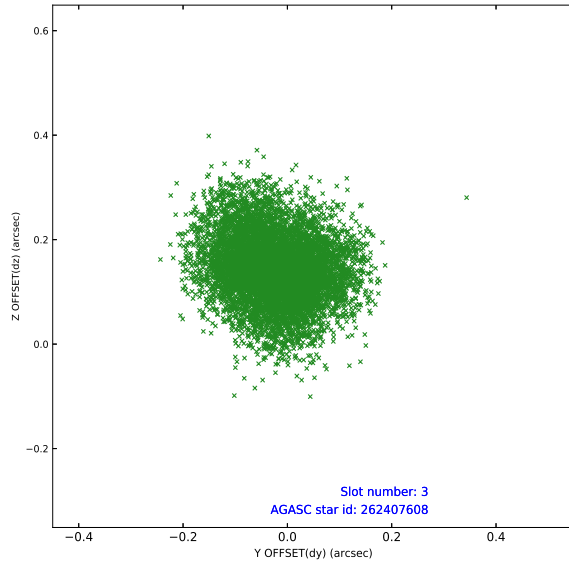


Slot Statistics

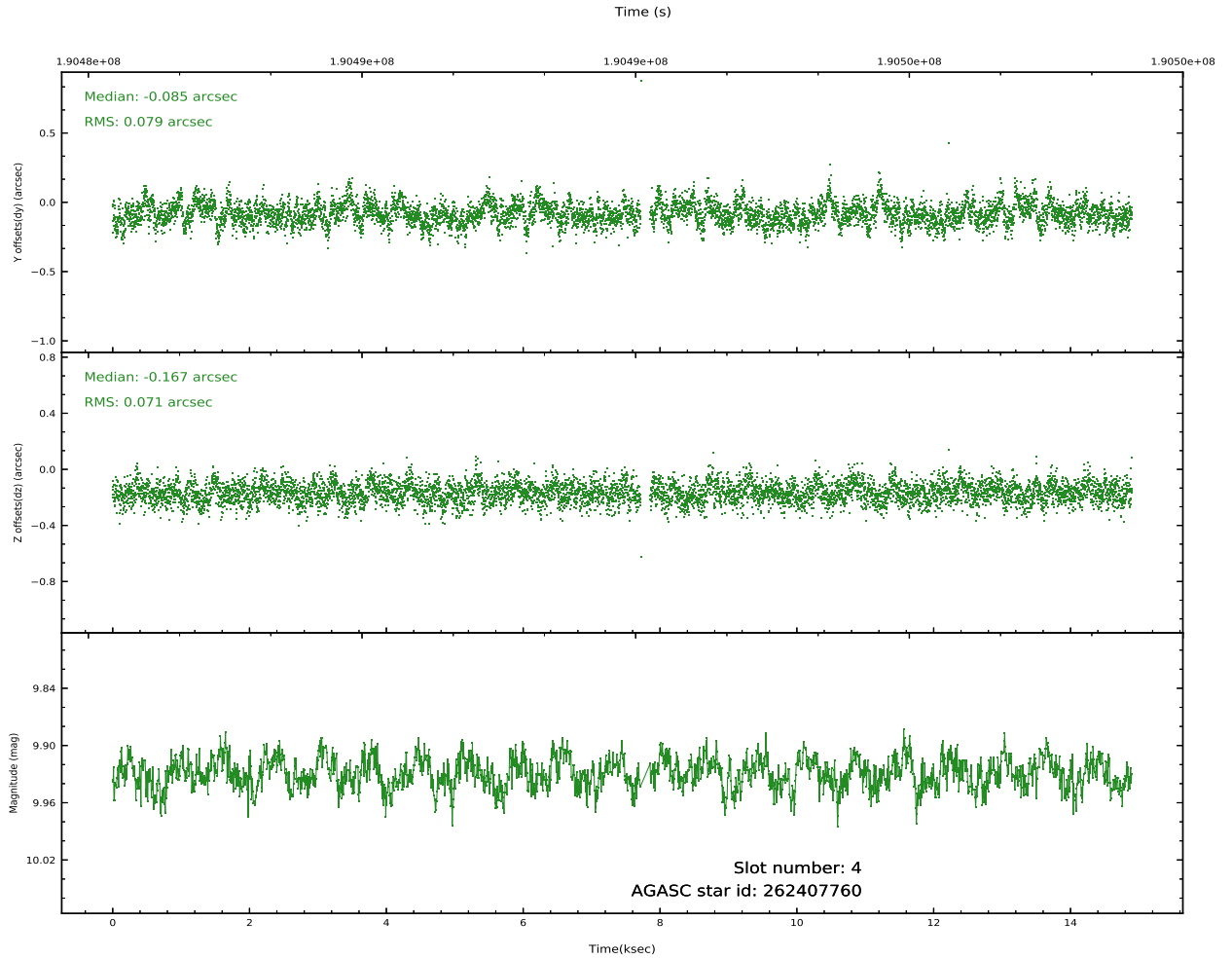
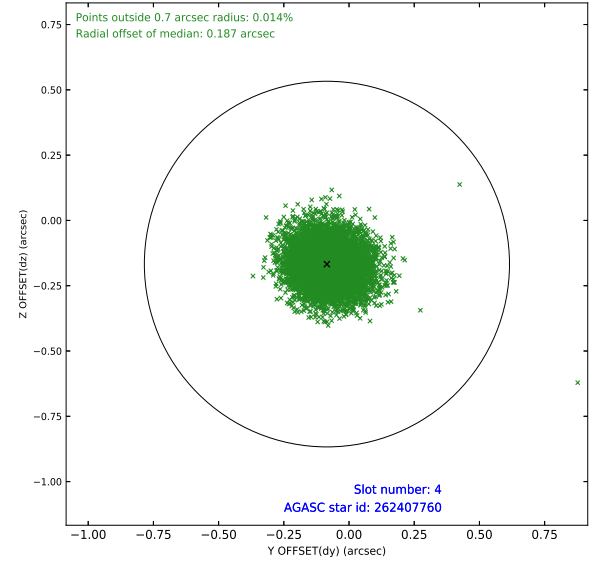
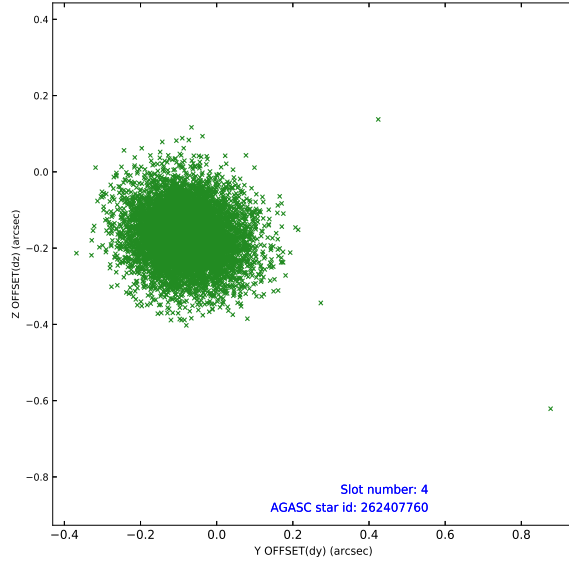
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	3634	1.000	-0.075	-0.065	0.006	0.010	0.000000	0.000000	-759.27	-1730
1	FID		ACIS-S-4	7.20	3634	1.000	0.133	0.053	0.005	0.009	0.000000	0.000000	2154.03	177
2	FID		ACIS-S-5	7.23	3634	1.000	-0.089	0.020	0.007	0.011	0.000000	0.000000	-1811.78	171
3	GUIDE	used	262407608	9.37	7266	1.000	-0.027	0.144	0.103	0.162	207.378401	26.435507	-341.17	-614
4	GUIDE	used	262407760	9.93	7197	1.000	-0.085	-0.167	0.111	0.186	206.566773	26.577263	-747.54	2017
5	GUIDE	used	262408096	9.35	7263	1.000	0.029	-0.013	0.080	0.130	207.011678	26.515421	-473.21	594
6	GUIDE	used	262408936	9.66	7259	1.000	-0.022	-0.097	0.095	0.155	207.154731	26.726554	398.04	419
7	GUIDE	used	262411960	9.69	7266	1.000	0.095	0.132	0.115	0.186	207.327895	25.881727	-2270.36	-1142

2.4 Star Slots

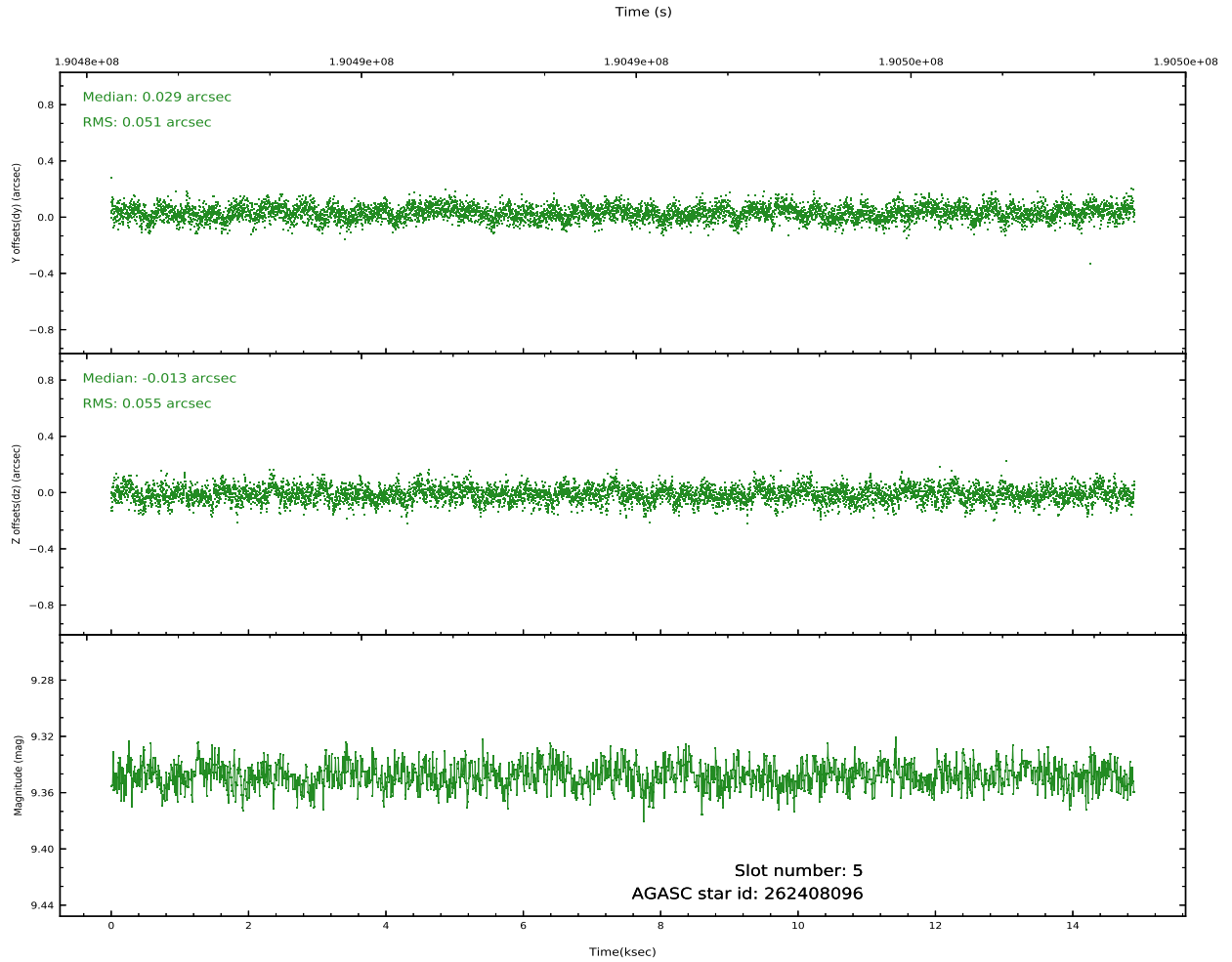
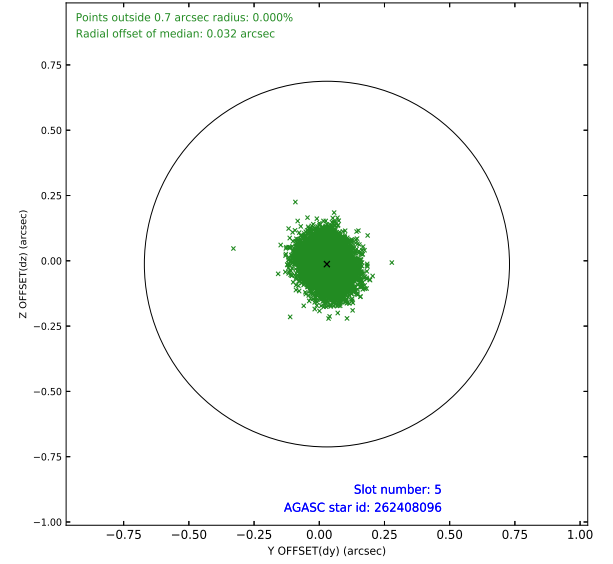
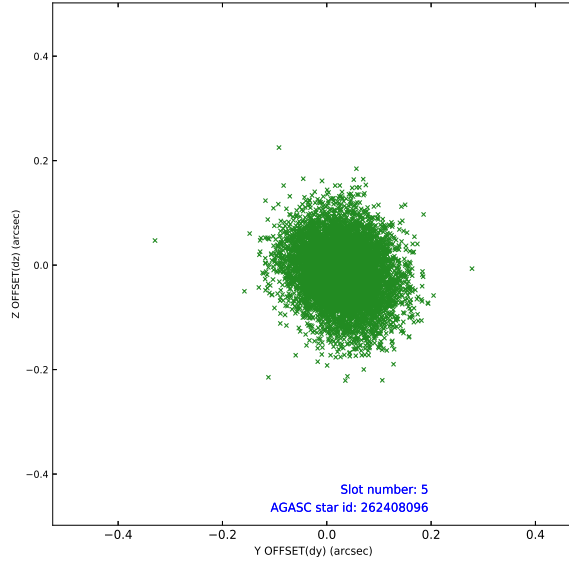
2.4.1 Slot 3



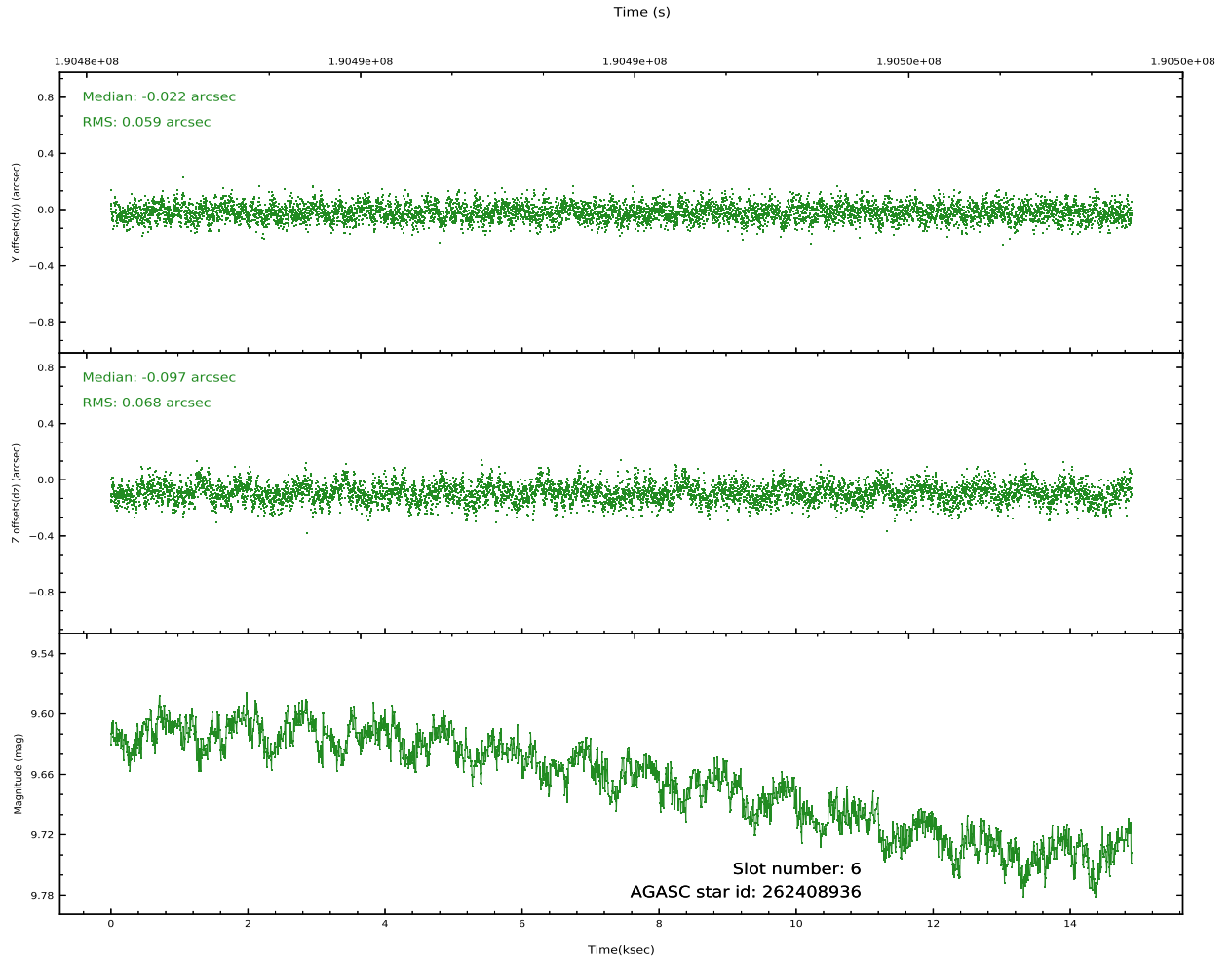
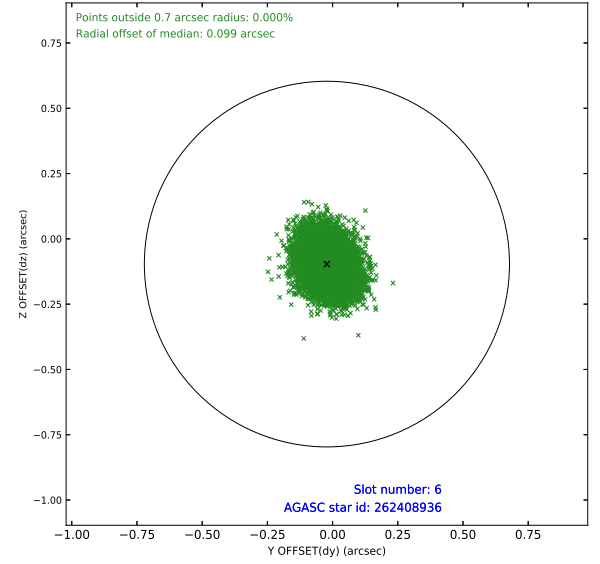
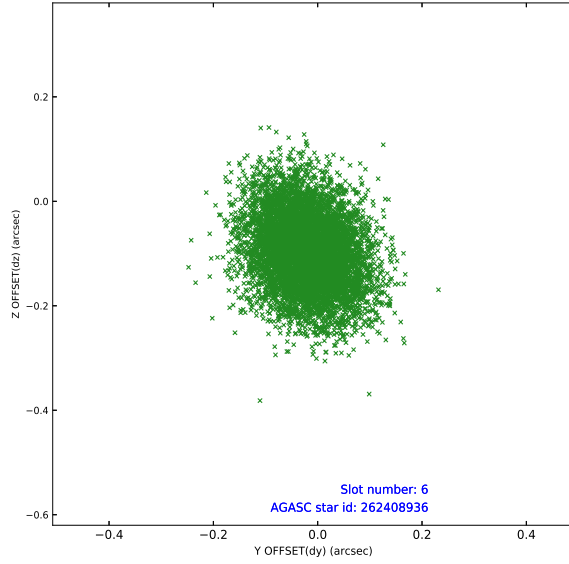
2.4.2 Slot 4



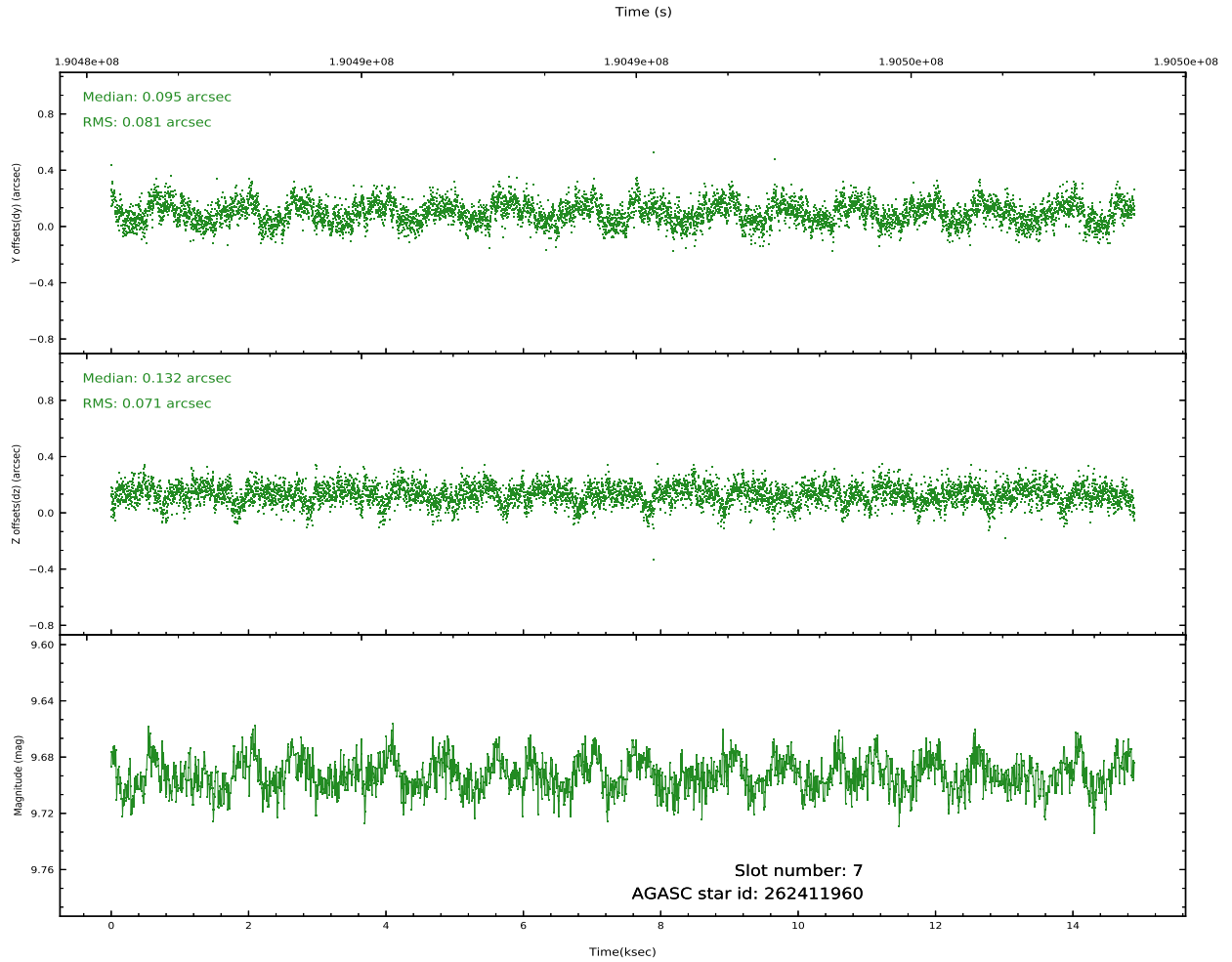
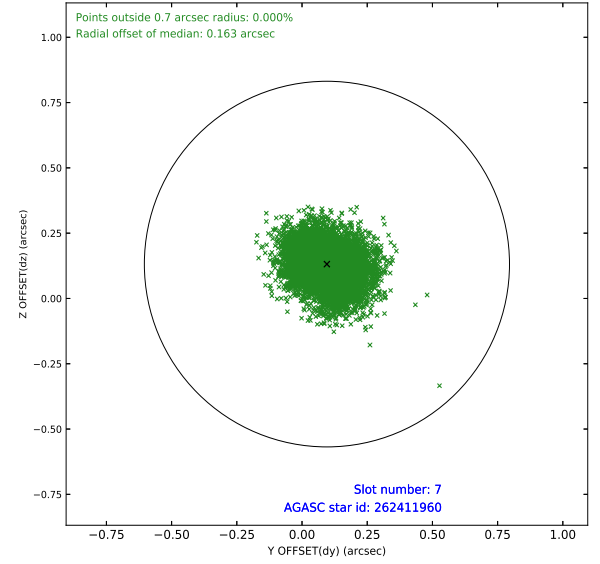
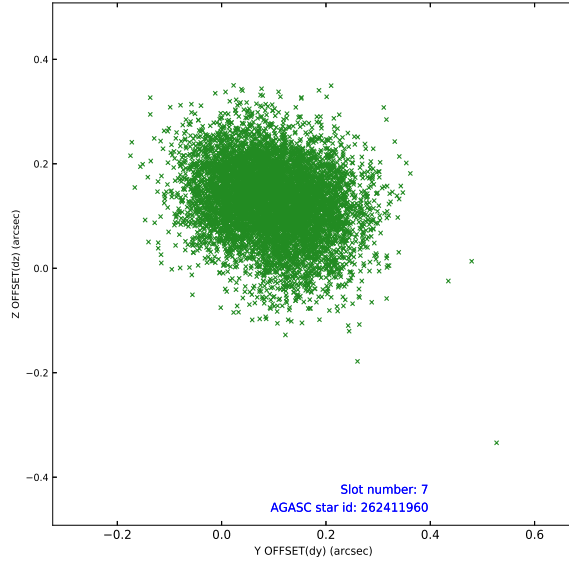
2.4.3 Slot 5



2.4.4 Slot 6

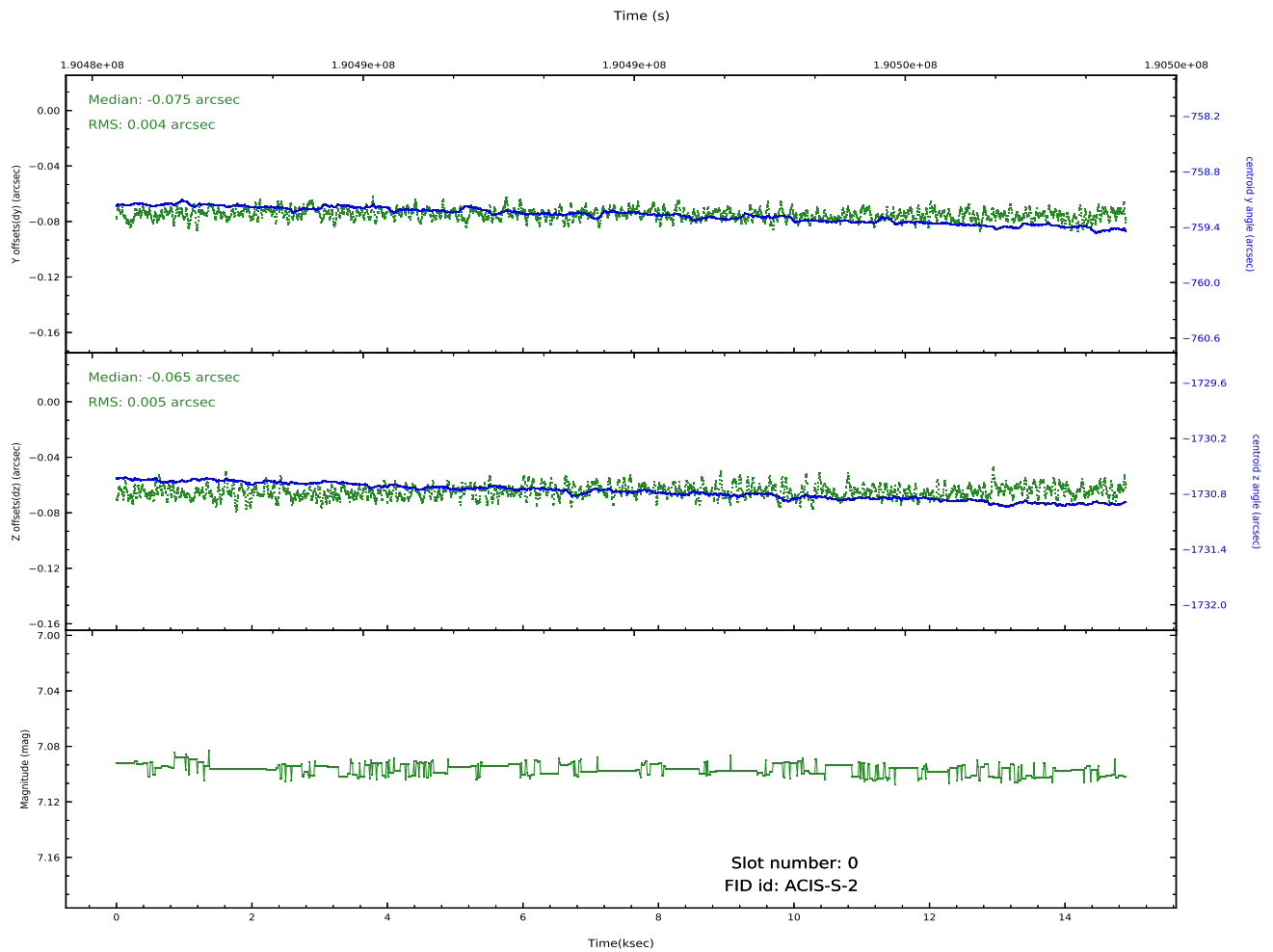
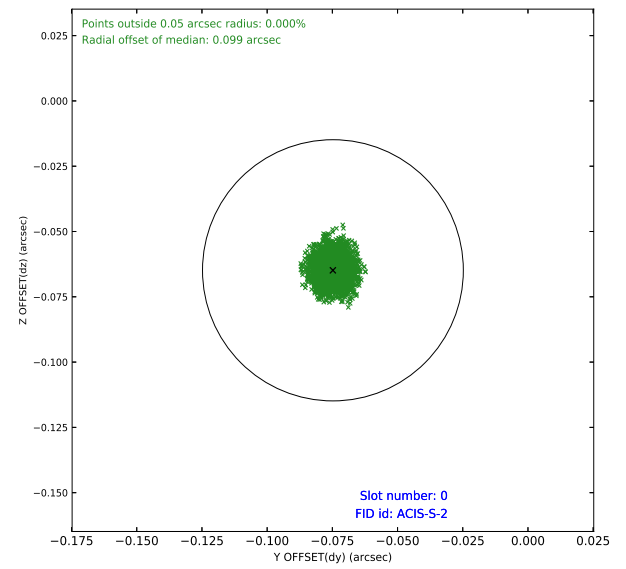
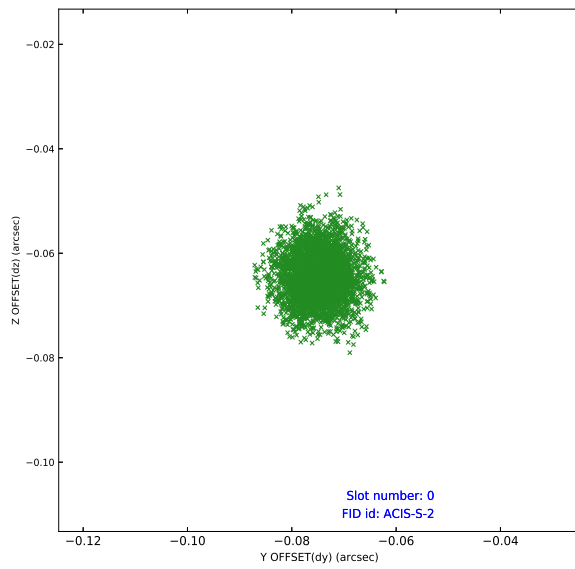


2.4.5 Slot 7

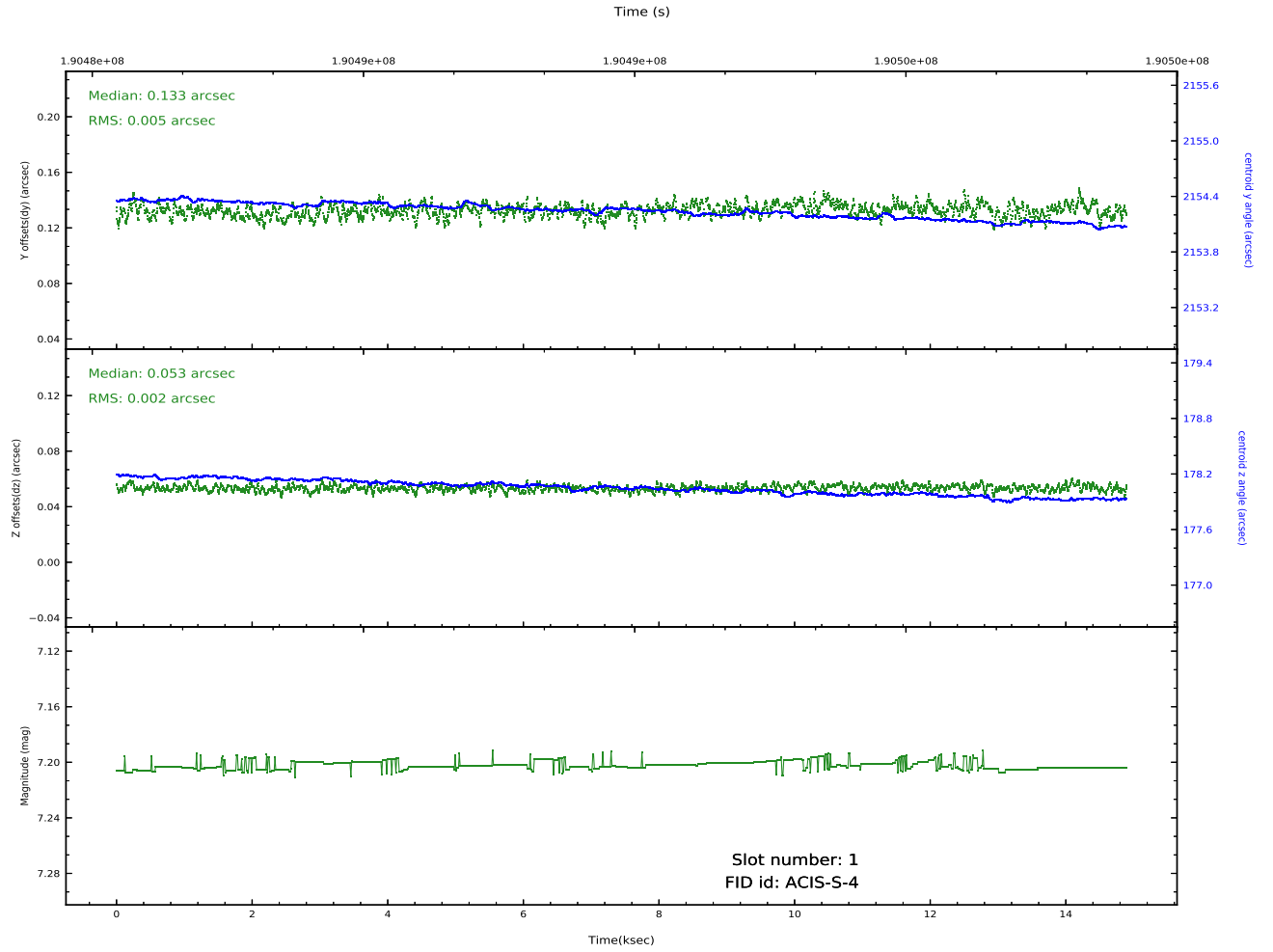
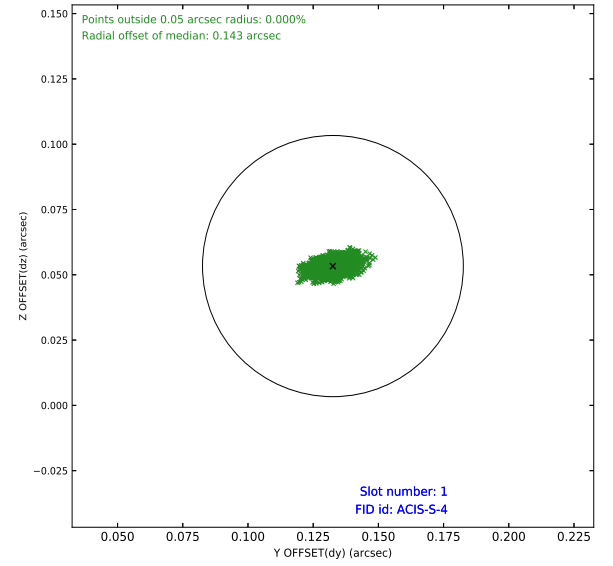
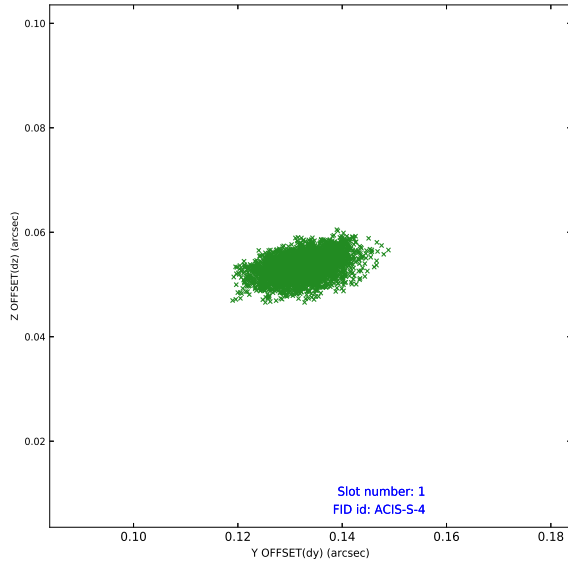


2.5 FID Slots

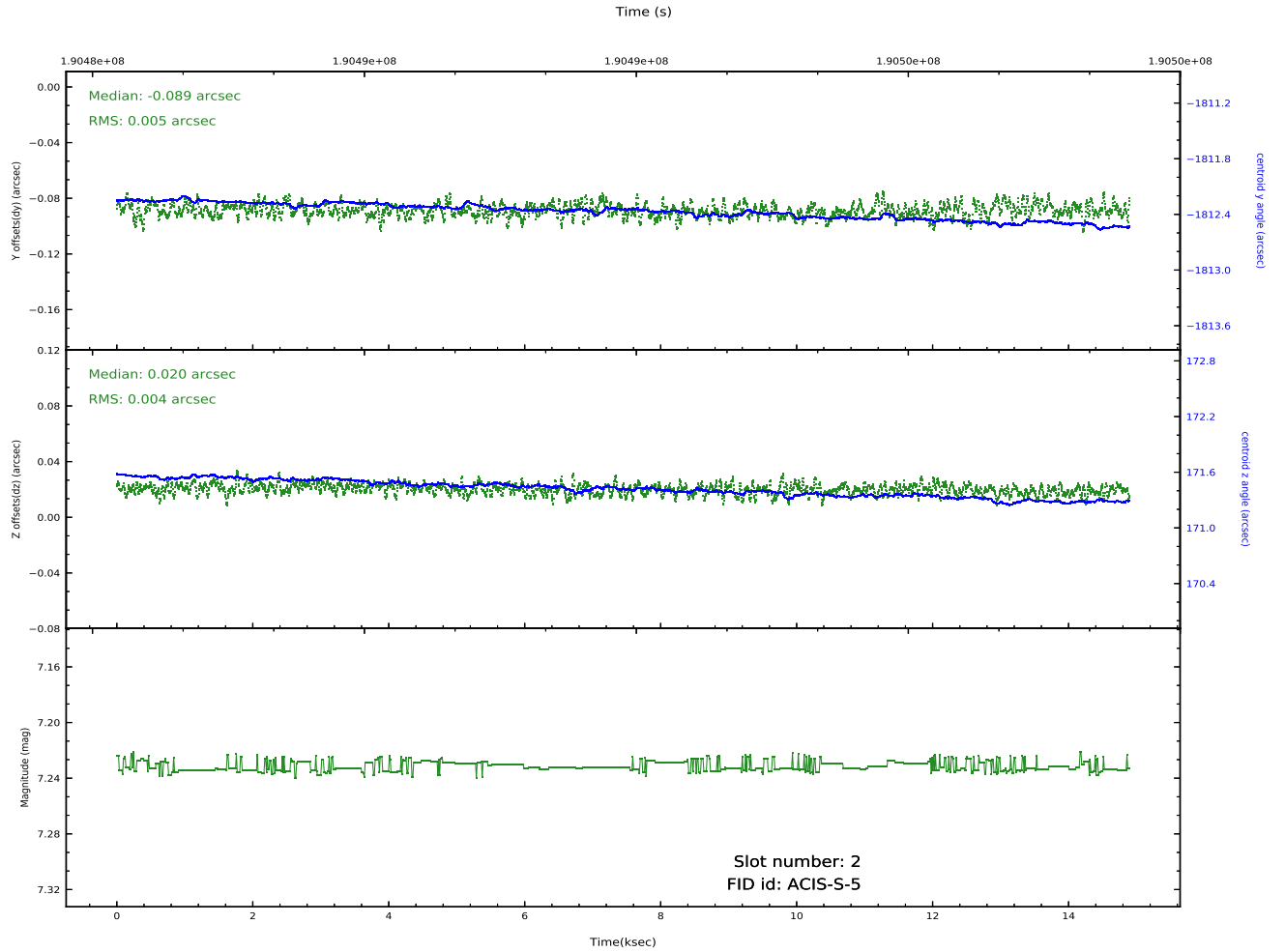
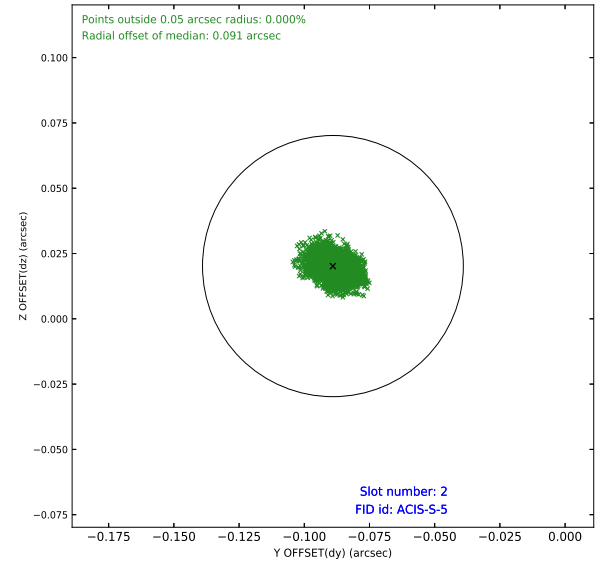
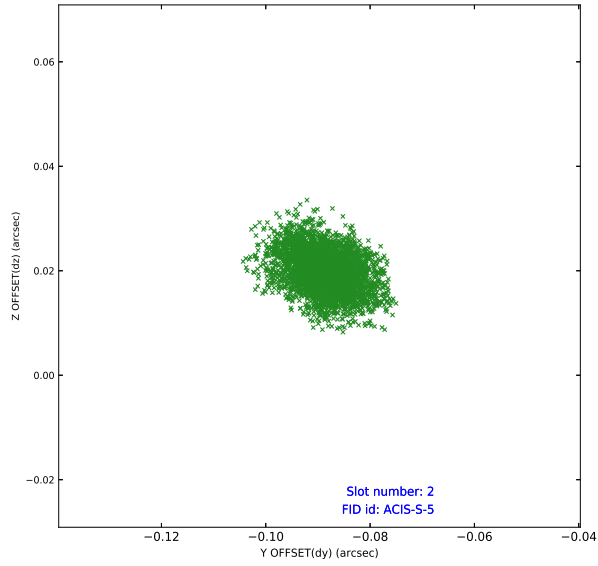
2.5.1 Slot 0



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)	2020.09.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	14.492

A.2 Comments