

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 6326 - L2 Version 4
Chandra X-Ray Center

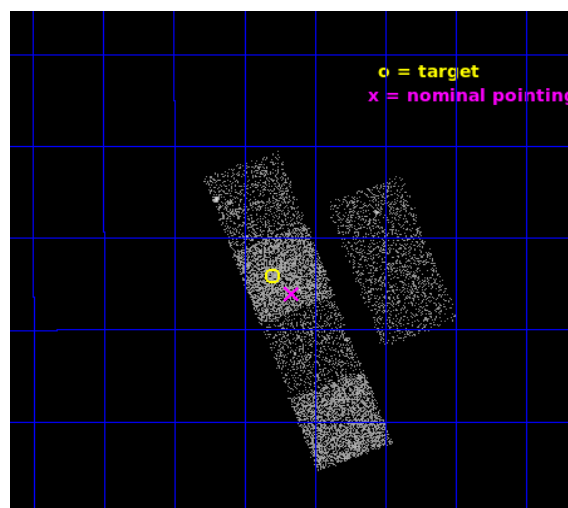
L2 Processing Date : Oct 9 2020

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1 Front

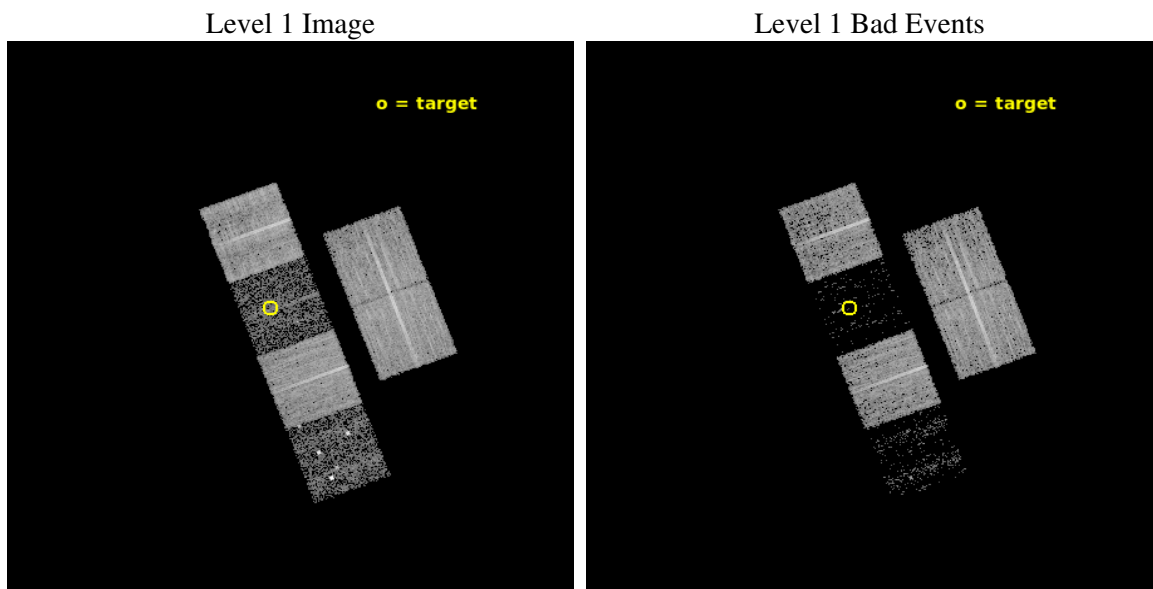
seq_num	100061	Sequence number
obs_id	6326	Observation id
title	Comet 9P/Tempel 1 During the Deep Impact Encounter	Proposal title
observer	Carey Lisse	Principal investigator
object	Comet 9P/Tempel 1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	206.450563	Observer's specified target RA [deg]
dec_targ	-11.237417	Observer's specified target Dec [deg]
ra_nom	206.41563649802	Nominal RA [deg]
dec_nom	-11.268111116063	Nominal Dec [deg]
roll_nom	249.36316816842	Nominal Roll [deg]
revision	4	Processing version of data
ontime	8210.4864826798	Sum of GTIs [s]
livetime	8106.5203590747	Livetime [s]
ontime2	8210.5275226831	Sum of GTIs [s]
ontime3	8210.3633626699	Sum of GTIs [s]
ontime5	8210.4454426765	Sum of GTIs [s]
ontime6	8210.4044026732	Sum of GTIs [s]
ontime7	8210.4864826798	Sum of GTIs [s]
ontime8	8210.3223226964	Sum of GTIs [s]
l2events	12722	Number of level 2 events



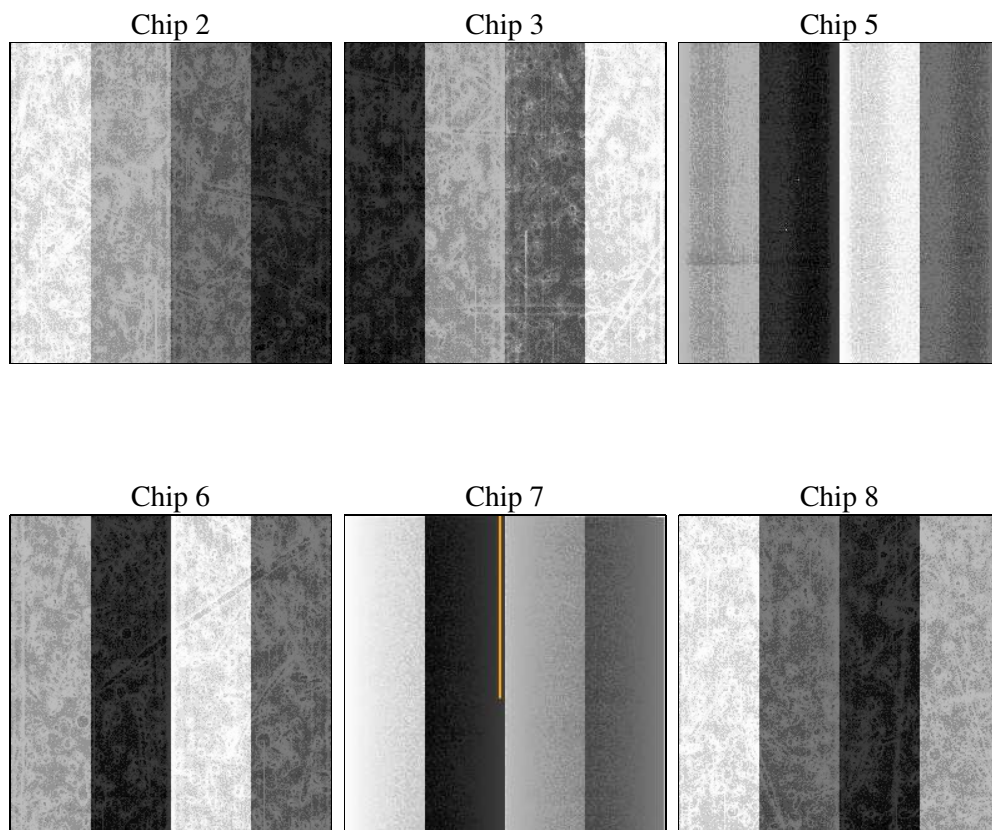
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8250.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	8210.4864826798	Sum of GTIs [s]
caldsver	4.9.2	 	ontime2	8210.5275226831	Sum of GTIs [s]
date	2020-10-09T07:18:23	Date and time of file creation	ontime3	8210.3633626699	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	8210.4454426765	Sum of GTIs [s]
			ontime6	8210.4044026732	Sum of GTIs [s]
			ontime7	8210.4864826798	Sum of GTIs [s]
			ontime8	8210.3223226964	Sum of GTIs [s]
			l1events	176770	Number of level 1 events

2.1.4 Events

	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	43771	36804	10619	37330	5896	42350
rejected events	42012	35452	2218	35663	1150	32311
rejected %	95%	96%	20%	95%	19%	76%

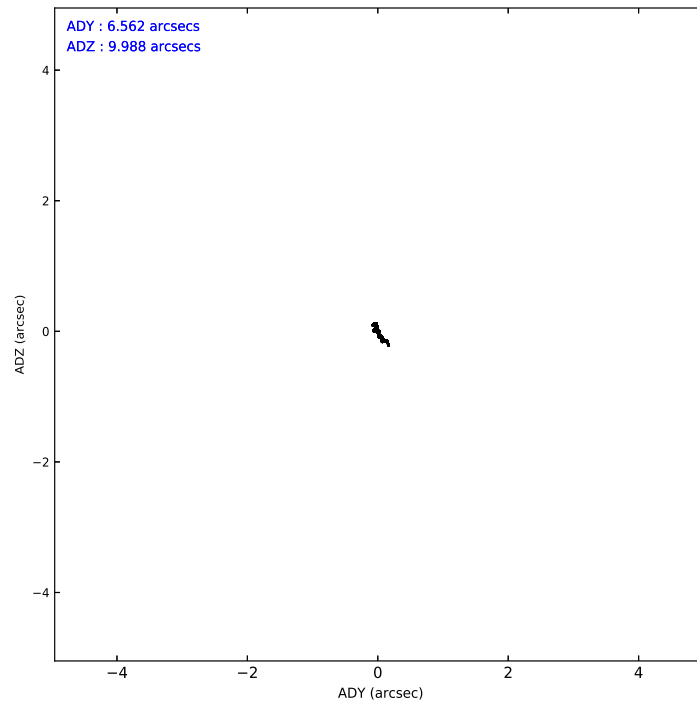
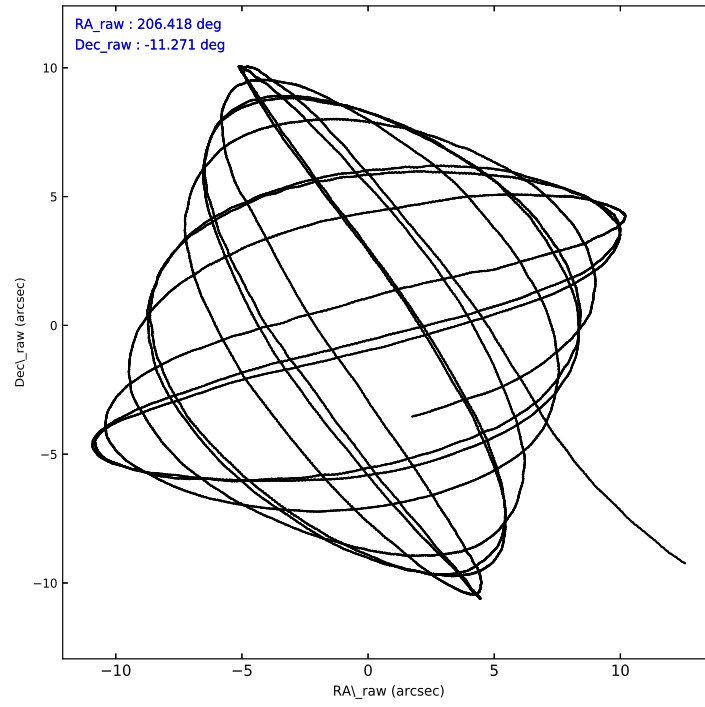
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	763	674	3938	870	1467	2970
	1%	1%	37%	2%	24%	7%
grade 1 events	15	9	96	9	19	27
	0%	0%	0%	0%	0%	0%
grade 2 events	391	155	2885	275	1474	2371
	0%	0%	27%	0%	25%	5%
grade 3 events	206	239	587	239	660	1223
	0%	0%	5%	0%	11%	2%
grade 4 events	261	195	612	218	645	1111
	0%	0%	5%	0%	10%	2%
grade 5 events	55	27	351	26	152	195
	0%	0%	3%	0%	2%	0%
grade 6 events	170	111	498	91	561	2592
	0%	0%	4%	0%	9%	6%
grade 7 events	41910	35394	1652	35602	918	31861
	95%	96%	15%	95%	15%	75%

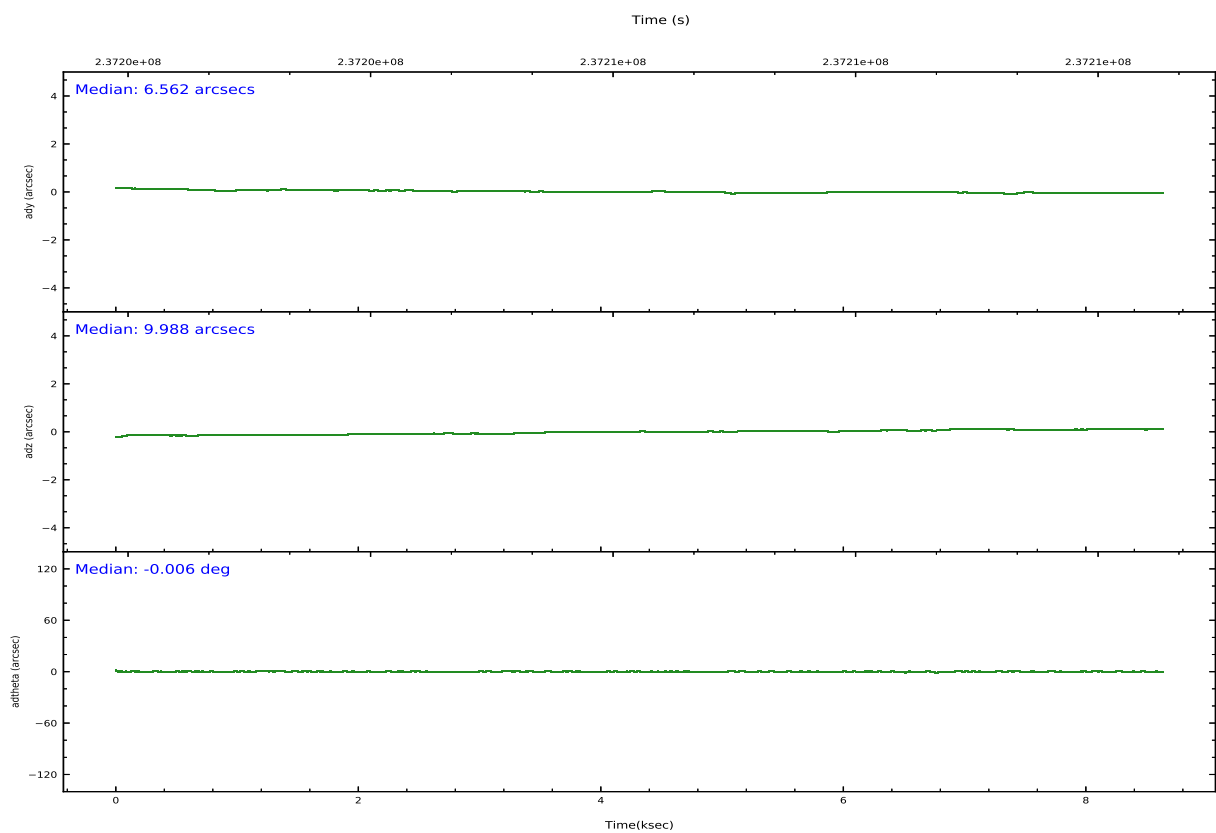
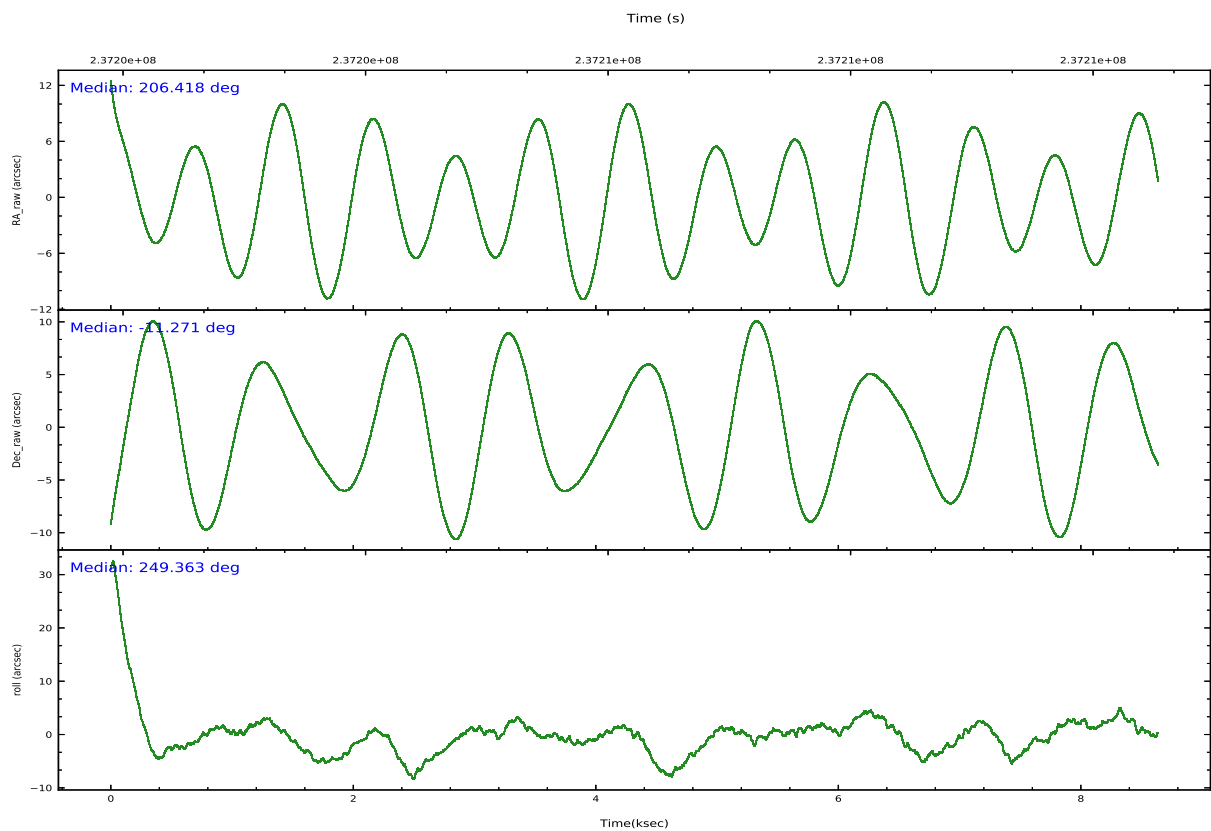
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-235678	ACIS-235678
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	206.412710	206.41563649802
[deg] Pointing Dec	-11.244197	-11.268111116063
[deg] Pointing Roll	249.214185	249.36316816842
[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)	237202287.184000	237201168.41364
Observation start date	2005-07-08T09:30:23	2005-07-08T09:12:48
[s] Observation end time (MET)	237210537.184000	237210671.70157
Observation end date	2005-07-08T11:47:53	2005-07-08T11:51:11
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar version number	8	8
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.2

2.3 Aspect



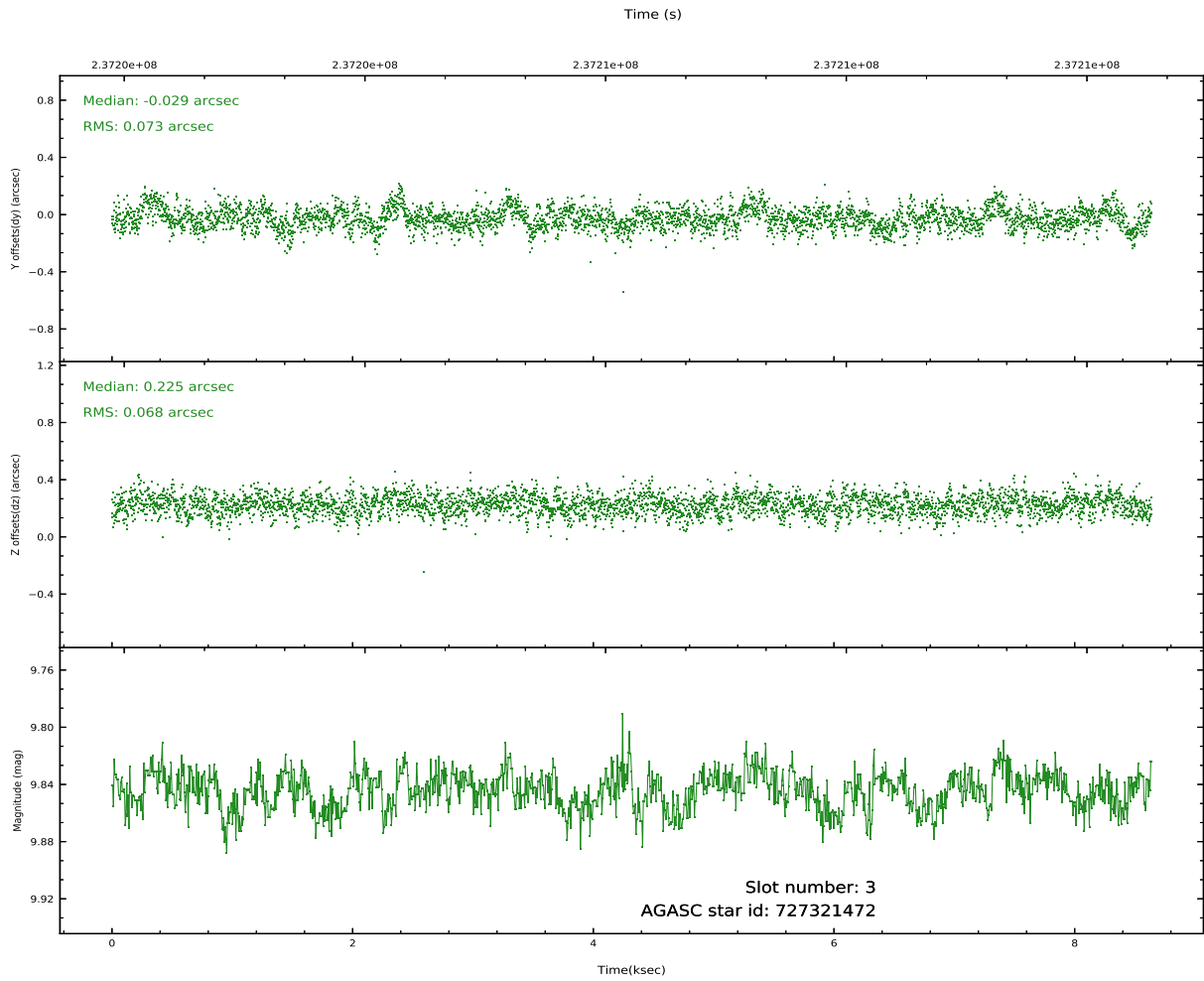
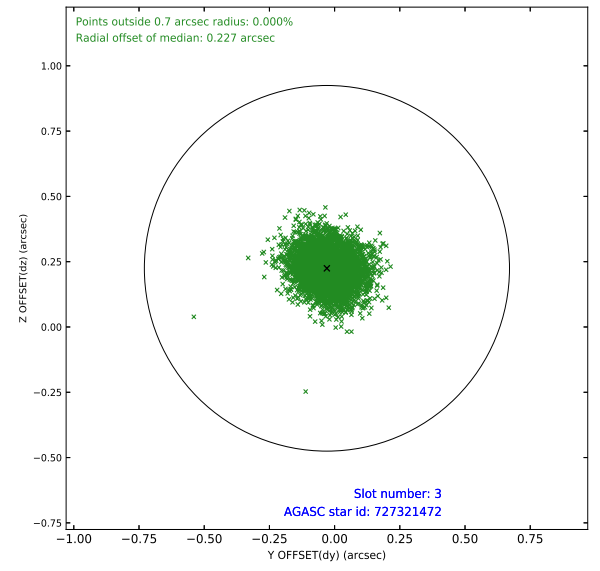
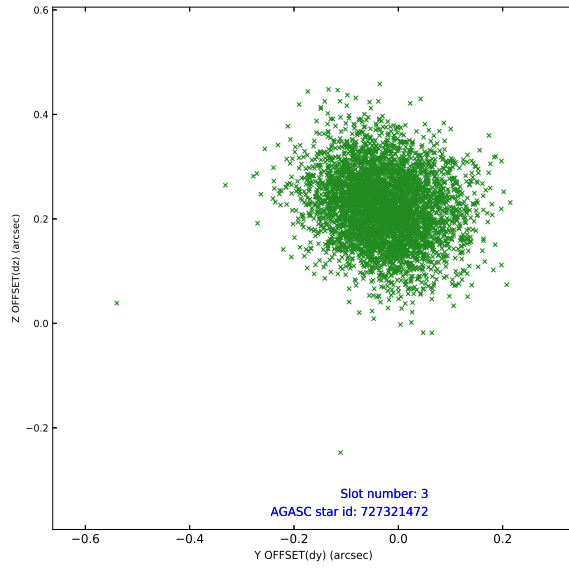


Slot Statistics

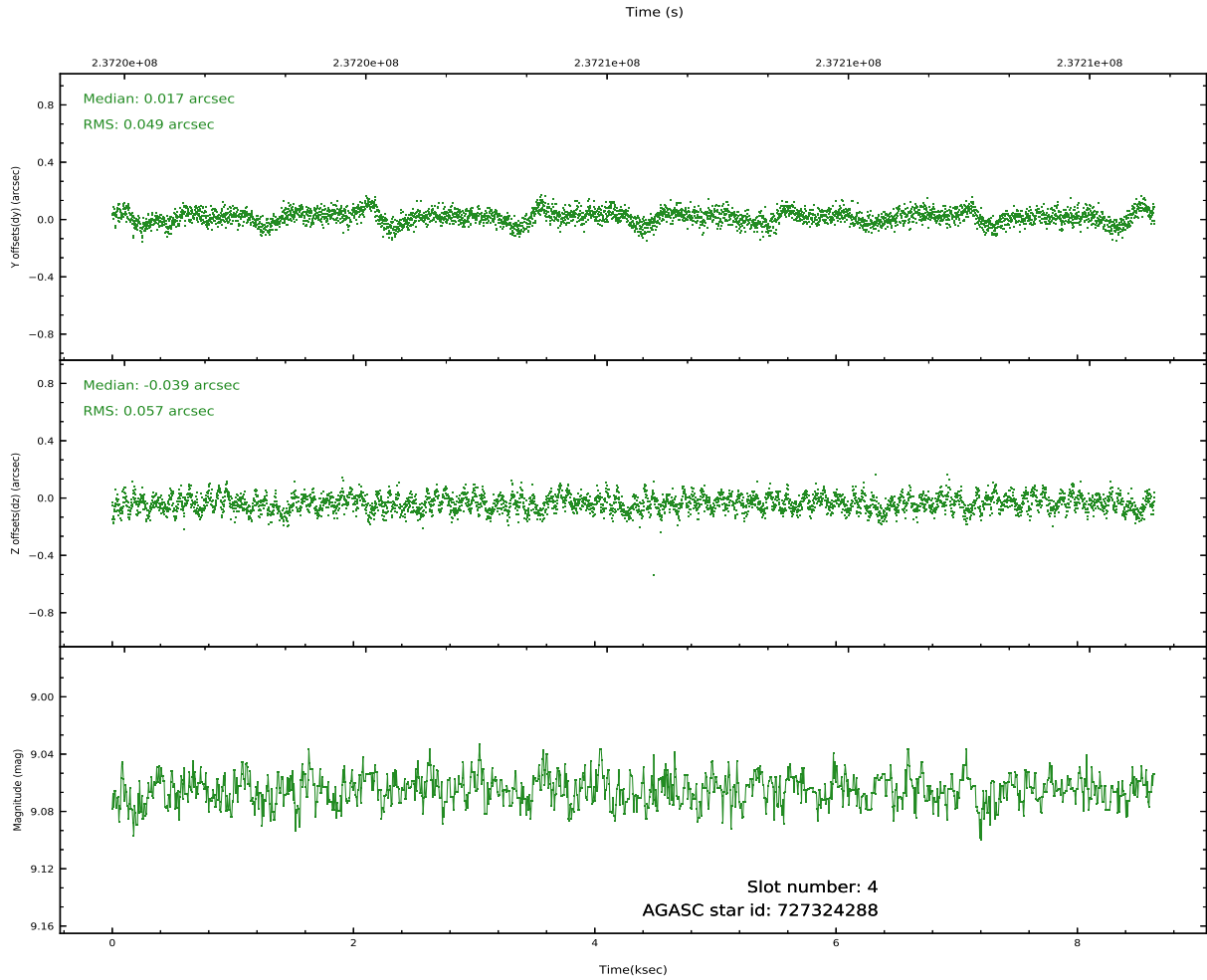
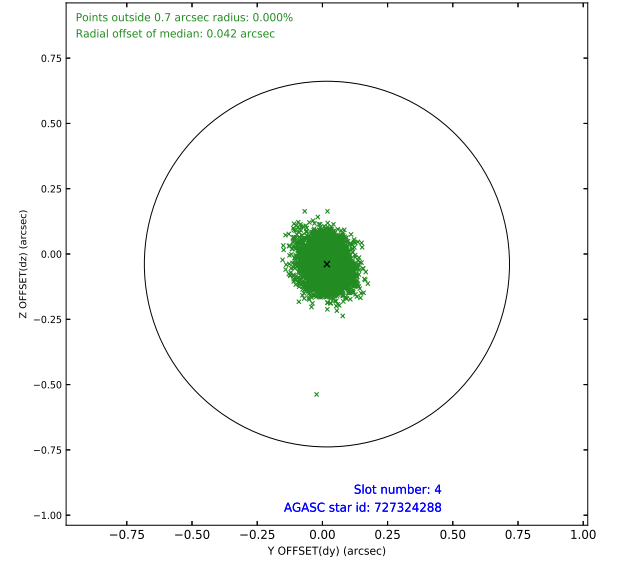
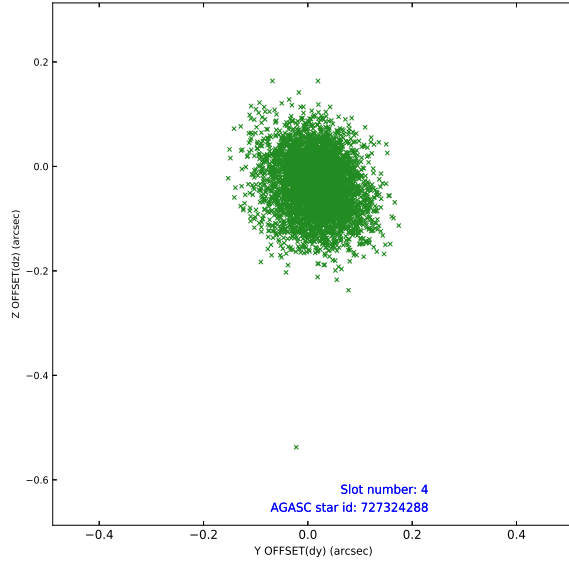
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.11	2107	1.000	-0.099	-0.069	0.007	0.012	0.000000	0.000000	-759.36	-1731
1	FID		ACIS-S-4	7.21	2107	1.000	0.169	0.066	0.006	0.010	0.000000	0.000000	2153.84	176
2	FID		ACIS-S-5	7.23	2107	1.000	-0.101	0.011	0.007	0.012	0.000000	0.000000	-1811.44	170
3	GUIDE	used	727321472	9.84	4210	1.000	-0.029	0.225	0.105	0.173	206.729745	-11.411859	168.34	1260
4	GUIDE	used	727324288	9.07	4214	1.000	0.017	-0.039	0.079	0.129	206.082018	-11.172416	174.60	-1183
5	GUIDE	used	727327544	9.56	4210	1.000	0.110	-0.149	0.121	0.192	206.398747	-11.483258	822.80	259
6	GUIDE	used	728245744	8.67	4214	1.000	-0.171	0.202	0.065	0.105	206.959040	-11.284446	-547.08	1855
7	GUIDE	used	727322224	10.13	4206	1.000	0.073	-0.241	0.151	0.246	205.710123	-11.336917	1196.11	-2198

2.4 Star Slots

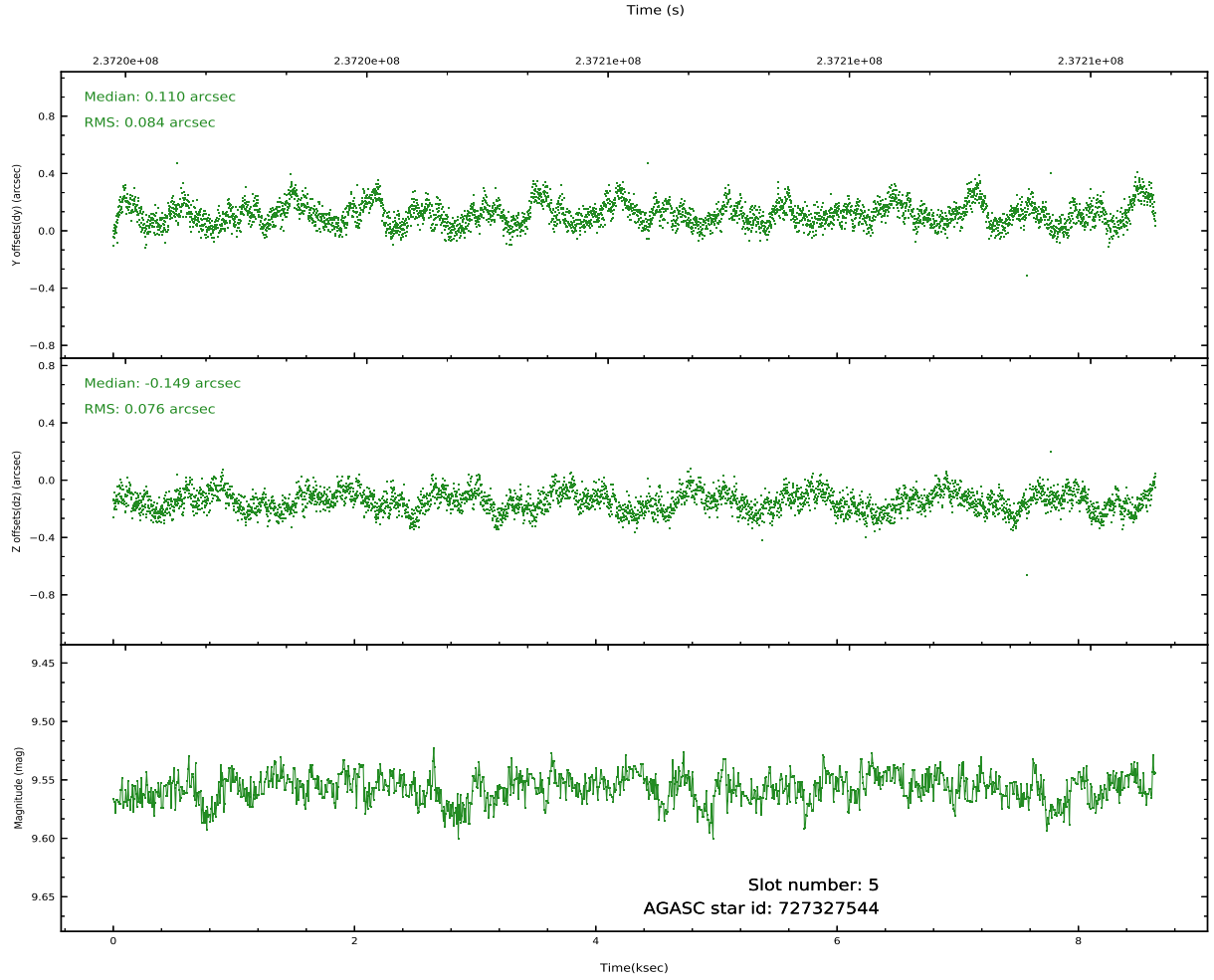
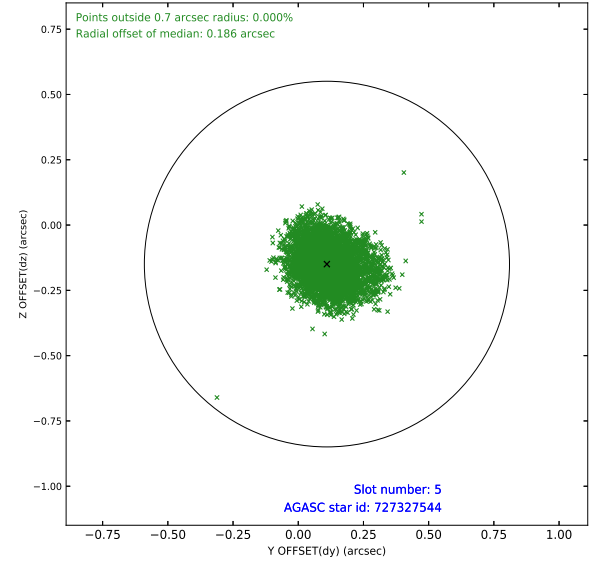
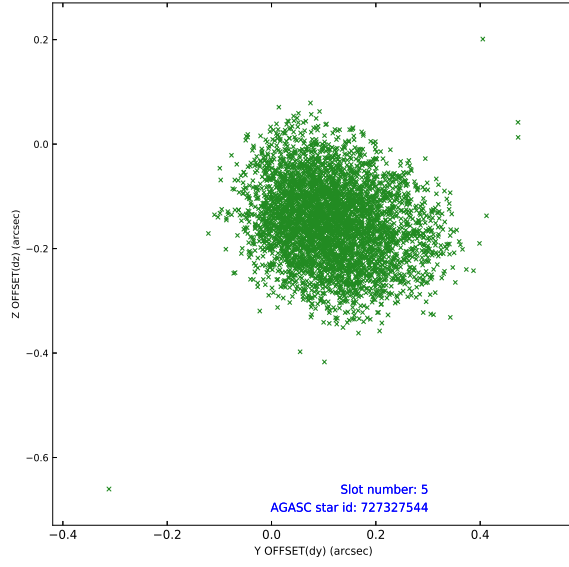
2.4.1 Slot 3



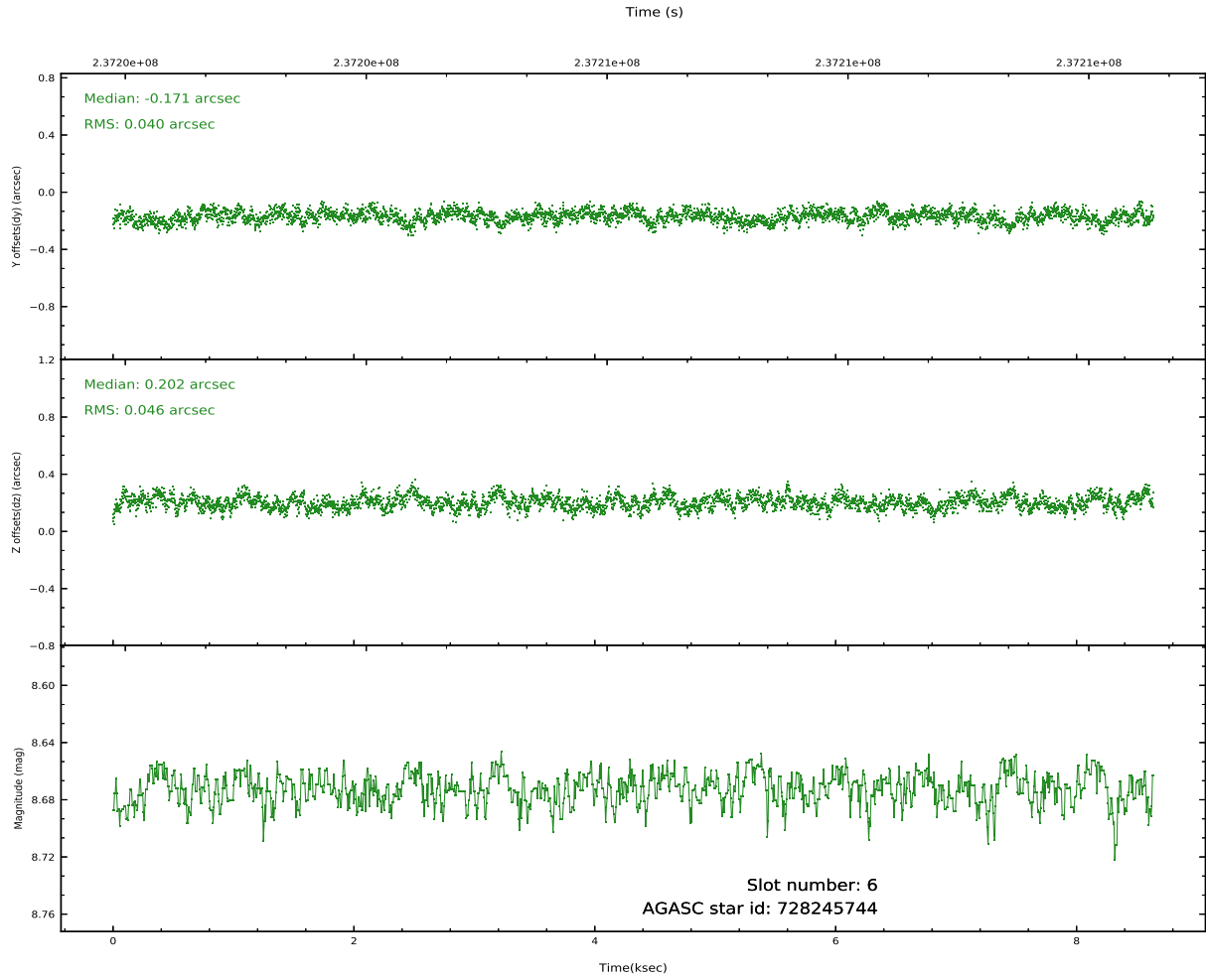
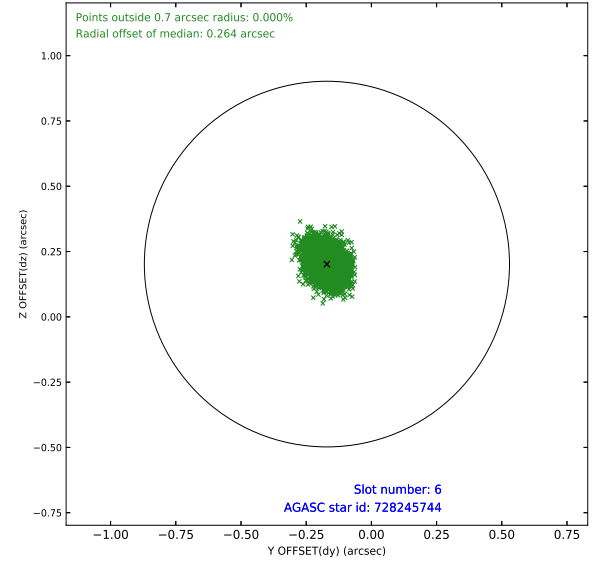
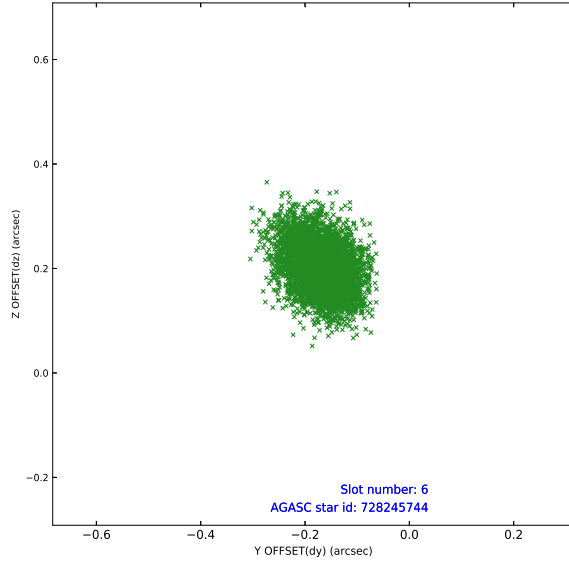
2.4.2 Slot 4



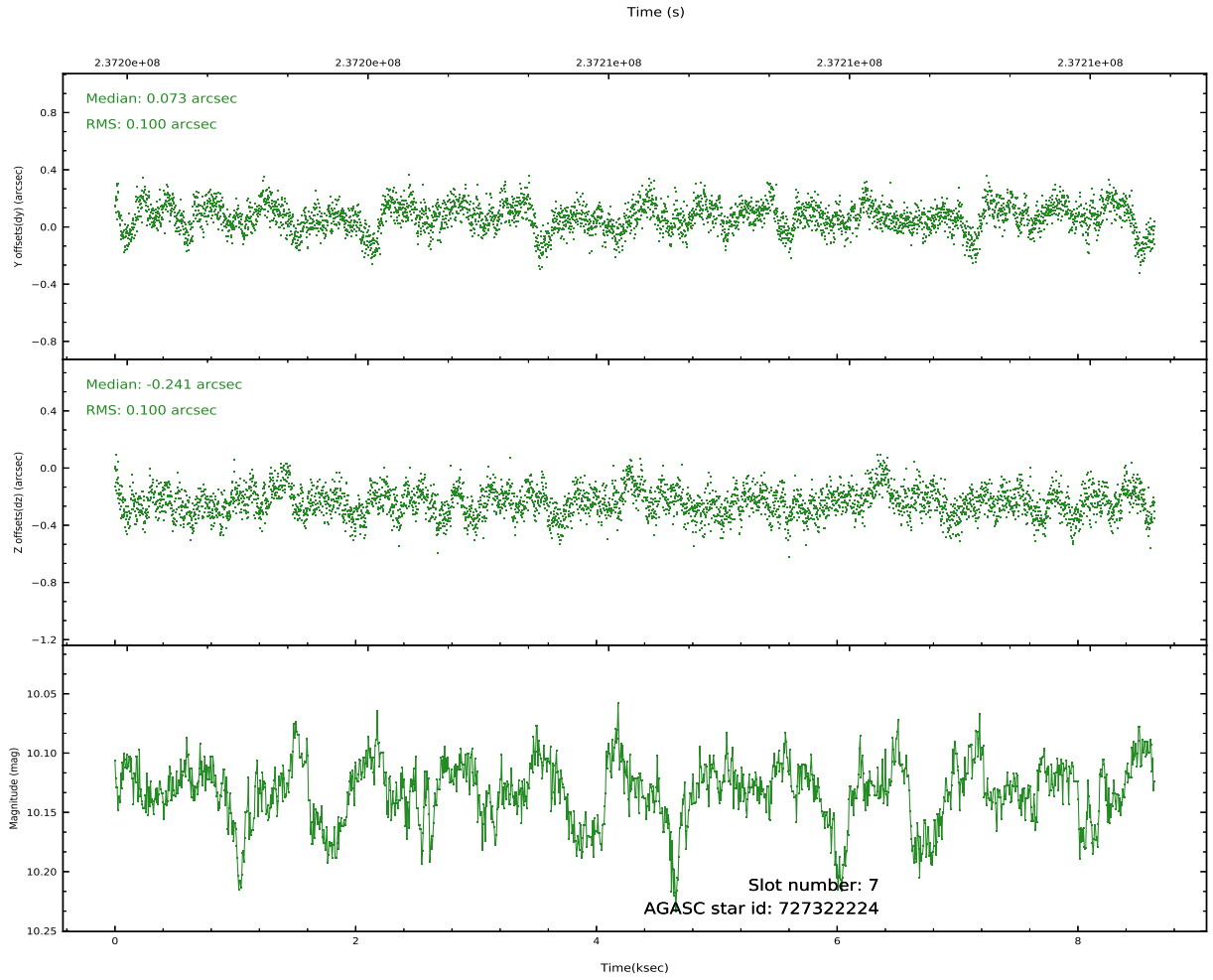
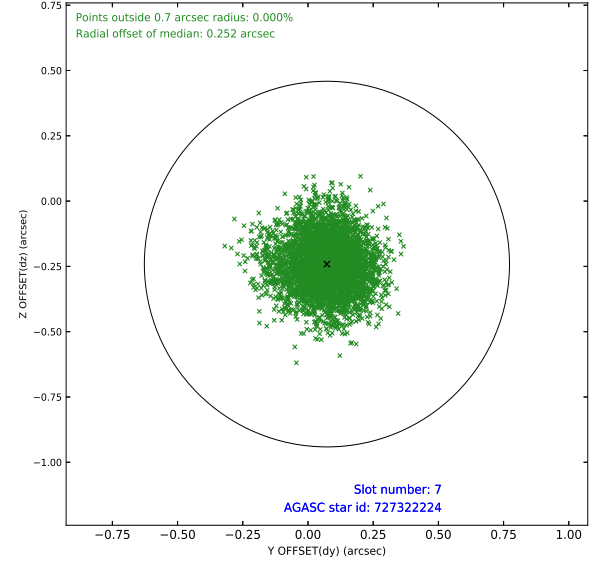
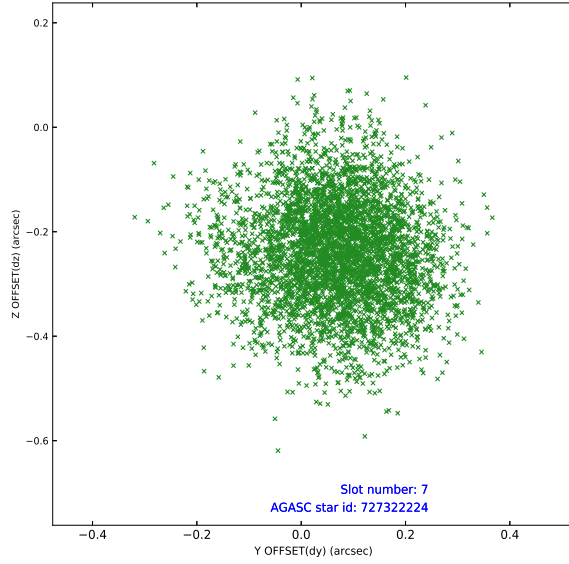
2.4.3 Slot 5



2.4.4 Slot 6

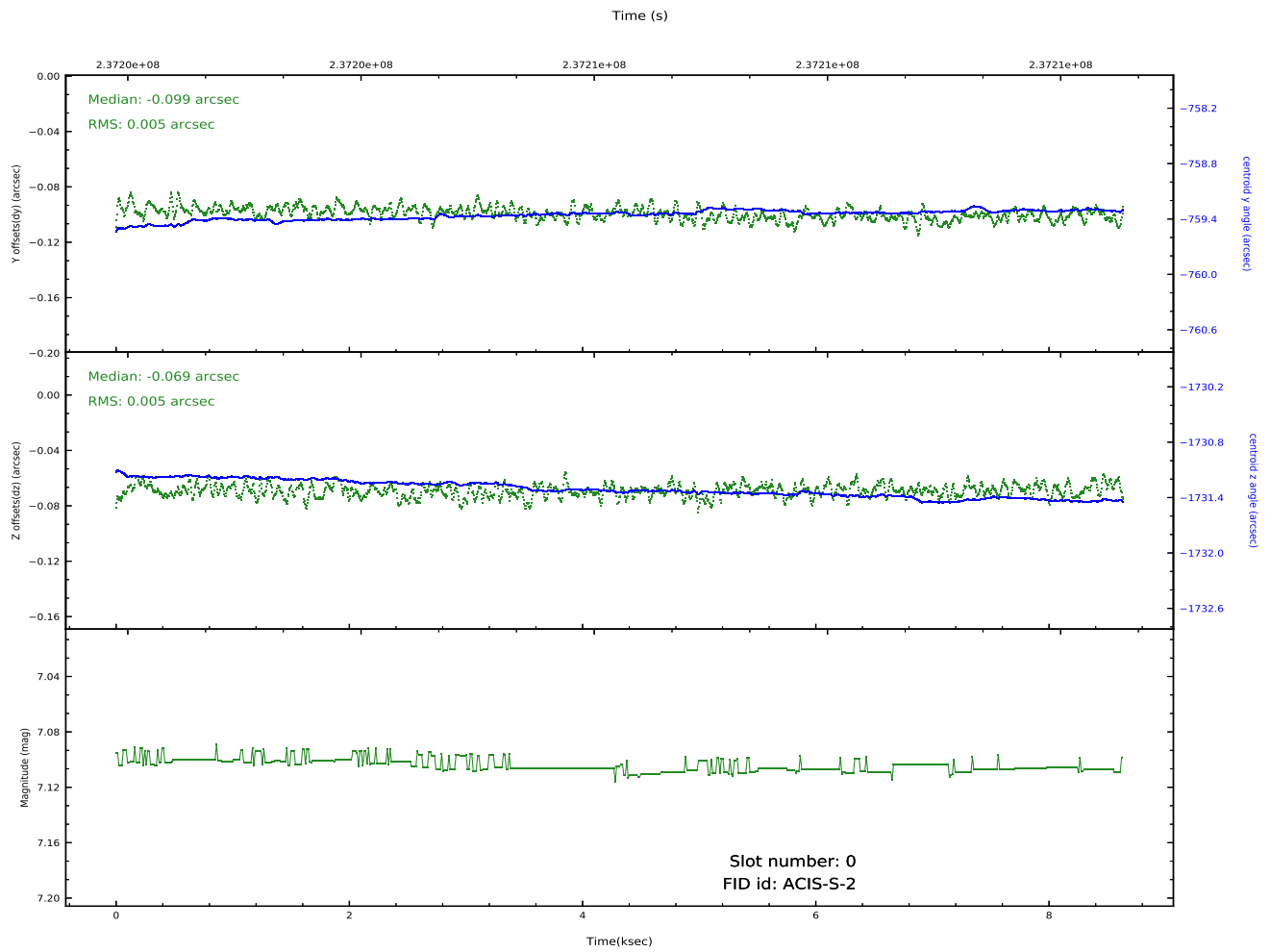
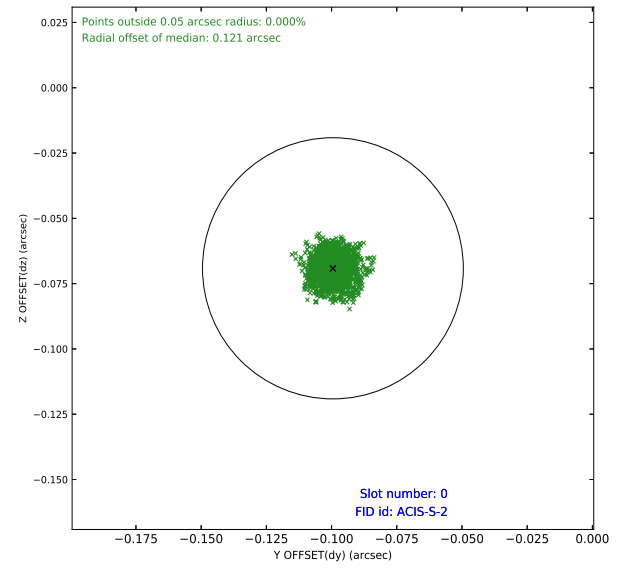
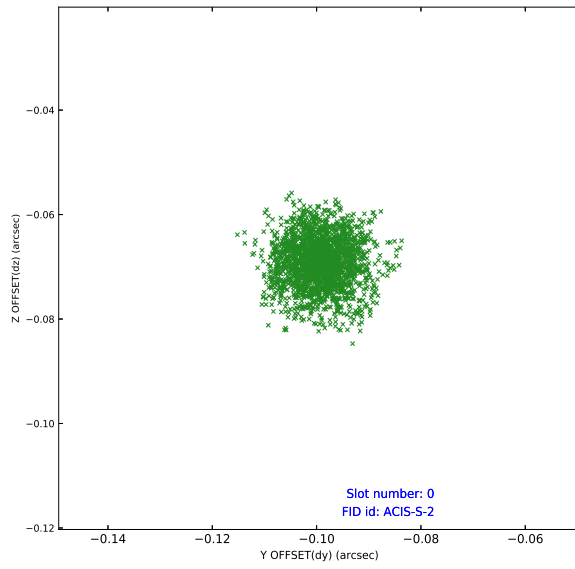


2.4.5 Slot 7

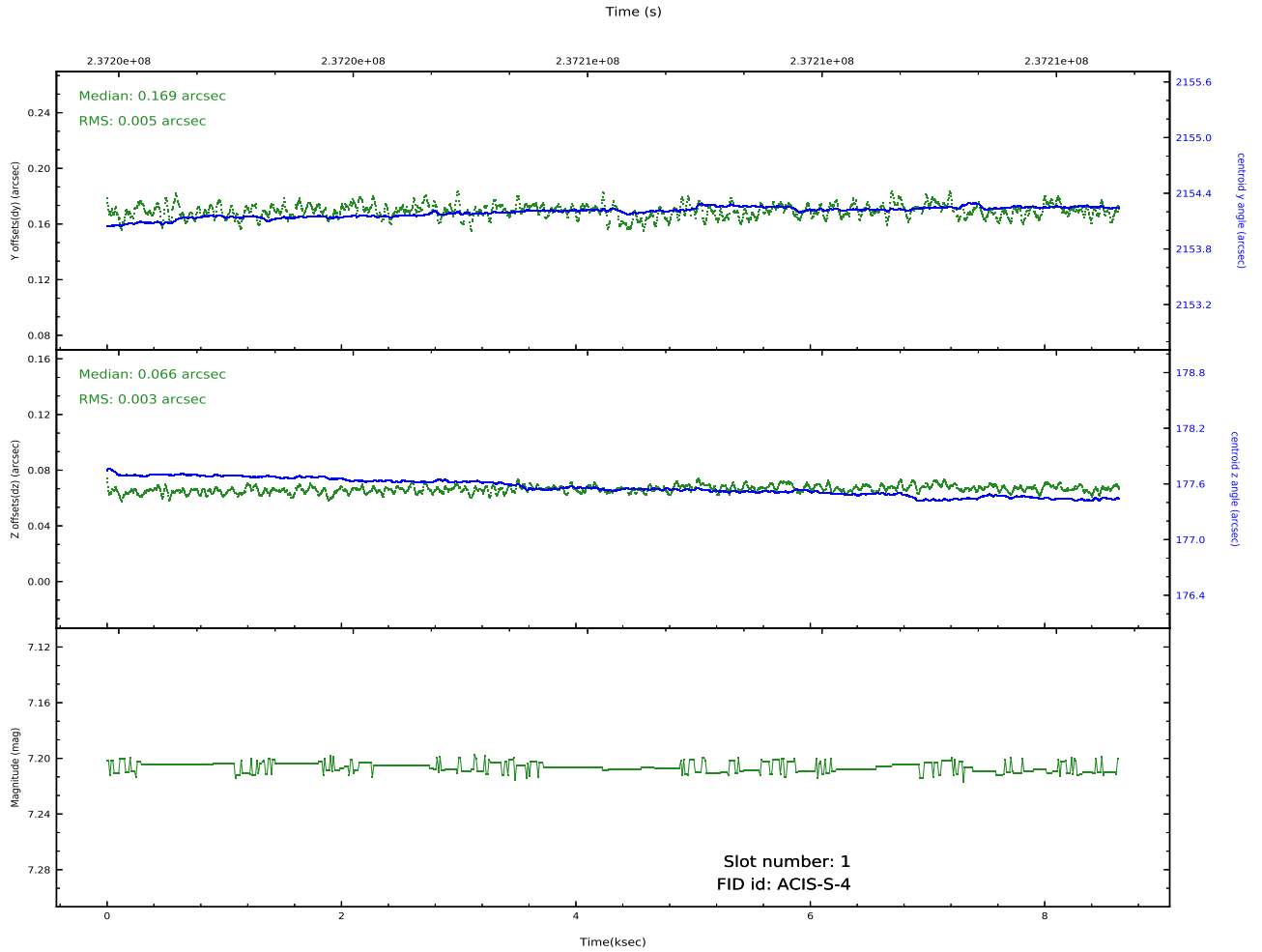
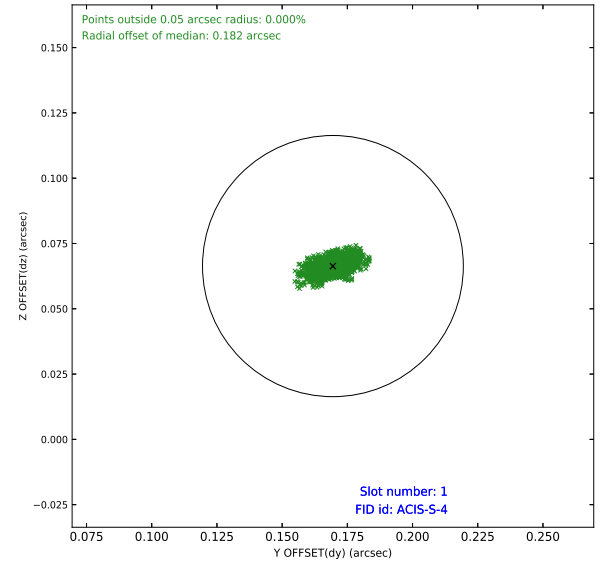
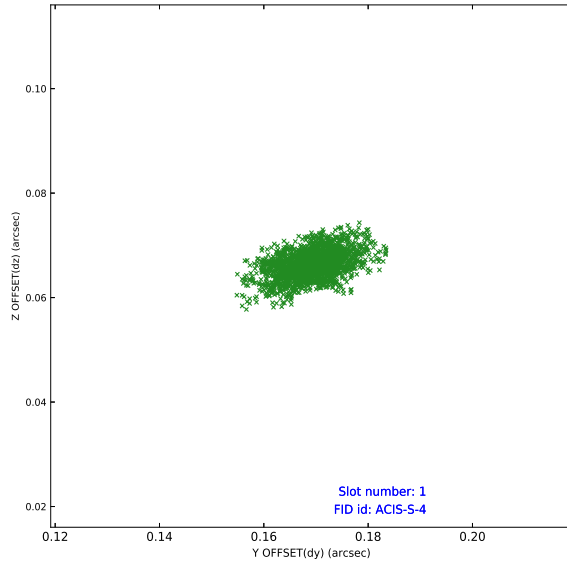


2.5 FID Slots

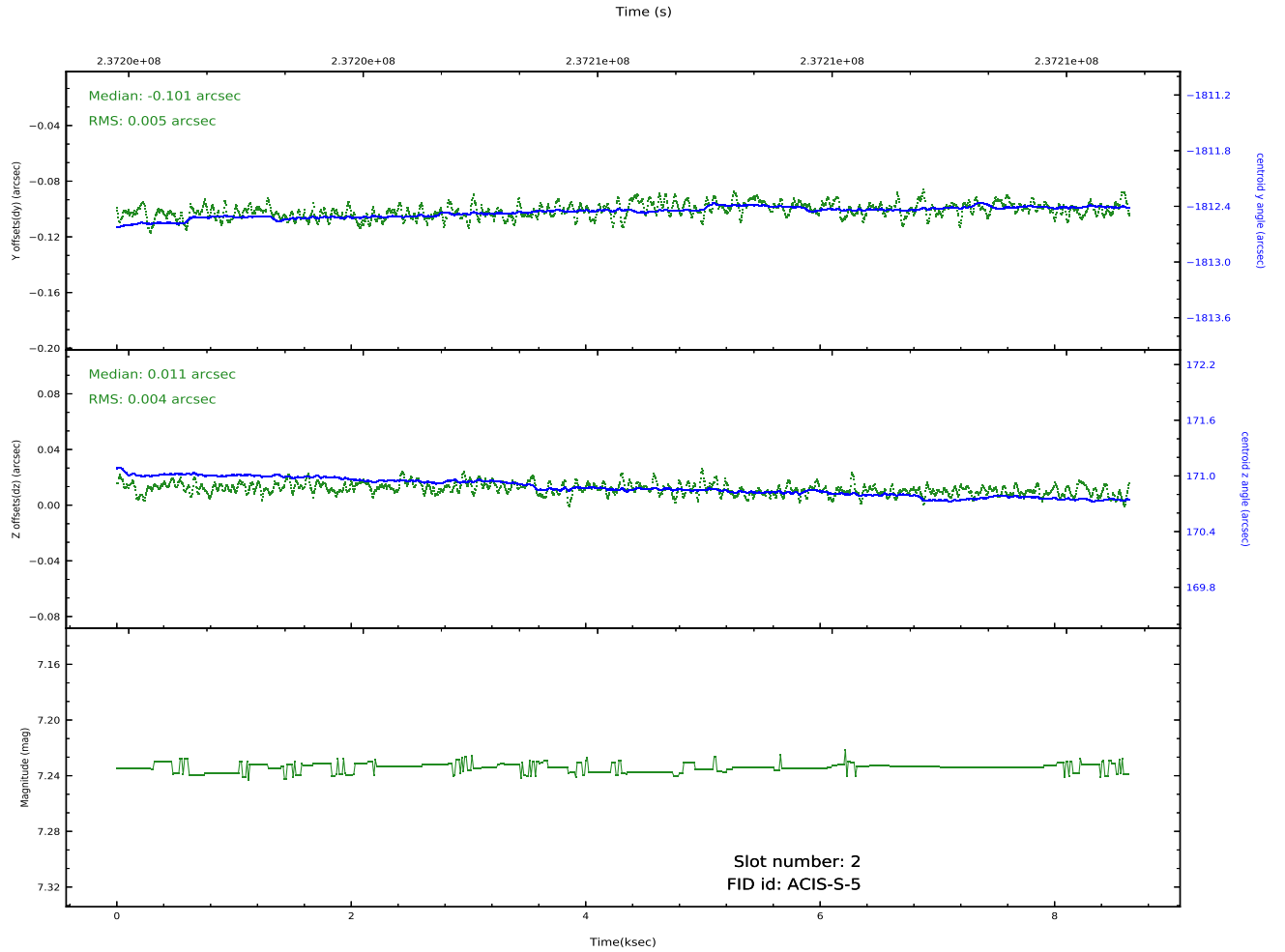
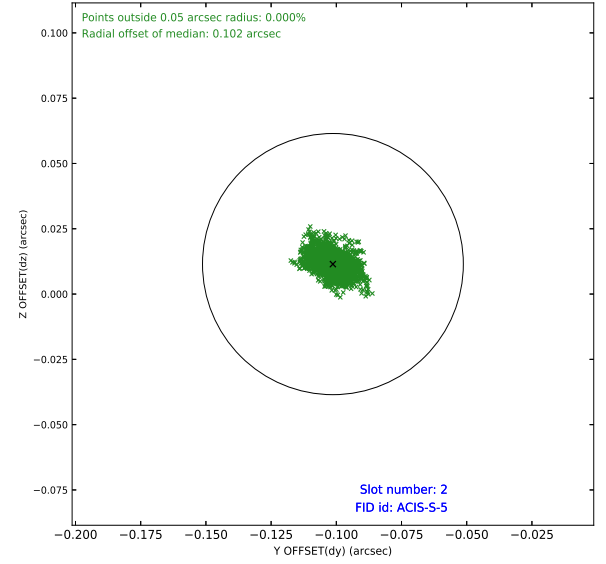
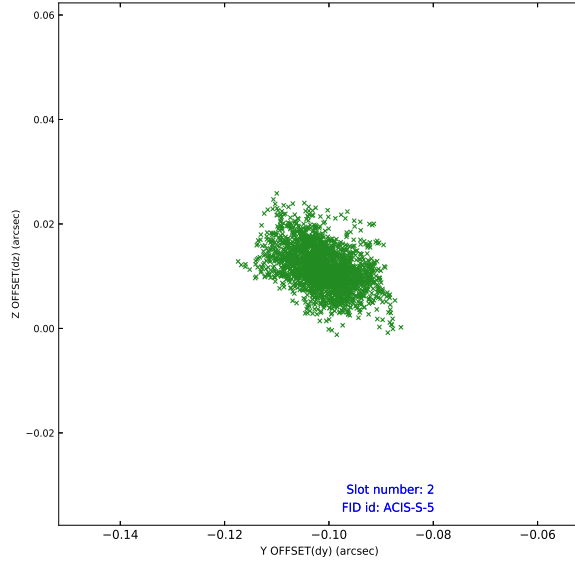
2.5.1 Slot 0



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)	2020.10.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.211199

A.2 Comments

This is a moving target. Users will need to run `sso_freeze` or similar software to position the events in the reference frame of the target.