

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5934 - L2 Version 7
Chandra X-Ray Center

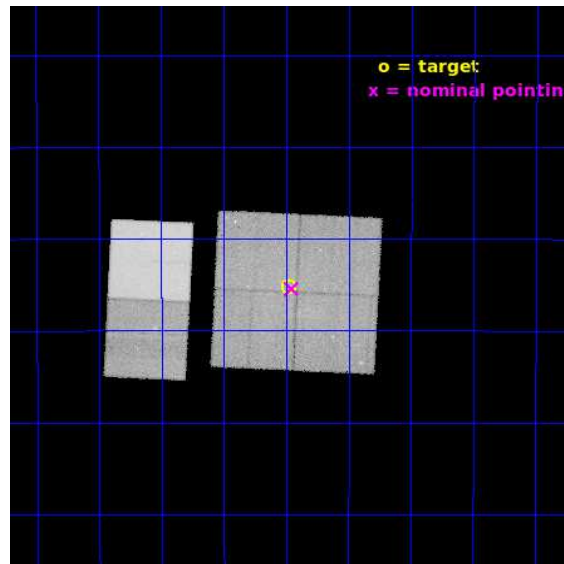
L2 Processing Date : Oct 9 2020

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1 Front

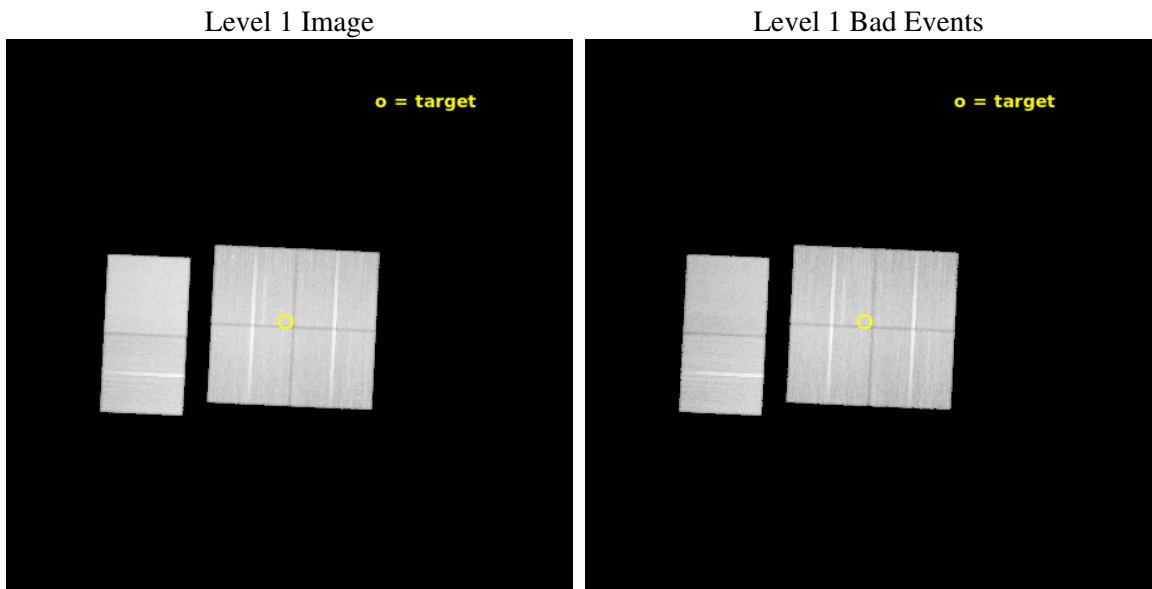
seq_num	600453	Sequence number
obs_id	5934	Observation id
title	Galactic Bulge Chandra-HST Survey	Proposal title
observer	Jonathan Grindlay	Principal investigator
object	Galactic Bulge Survey (Neg. Gal. Lat.)	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	267.86875	Observer's specified target RA [deg]
dec_targ	-29.588	Observer's specified target Dec [deg]
ra_nom	267.86354364965	Nominal RA [deg]
dec_nom	-29.5906037362	Nominal Dec [deg]
roll_nom	272.74524310917	Nominal Roll [deg]
revision	7	Processing version of data
ontime	41007.999847233	Sum of GTIs [s]
livetime	40488.731861115	Livetime [s]
ontime0	41007.999847233	Sum of GTIs [s]
ontime1	41007.999847233	Sum of GTIs [s]
ontime2	41004.758946598	Sum of GTIs [s]
ontime3	41007.999847233	Sum of GTIs [s]
ontime6	41004.758866936	Sum of GTIs [s]
ontime7	41007.999847233	Sum of GTIs [s]
l2events	476622	Number of level 2 events



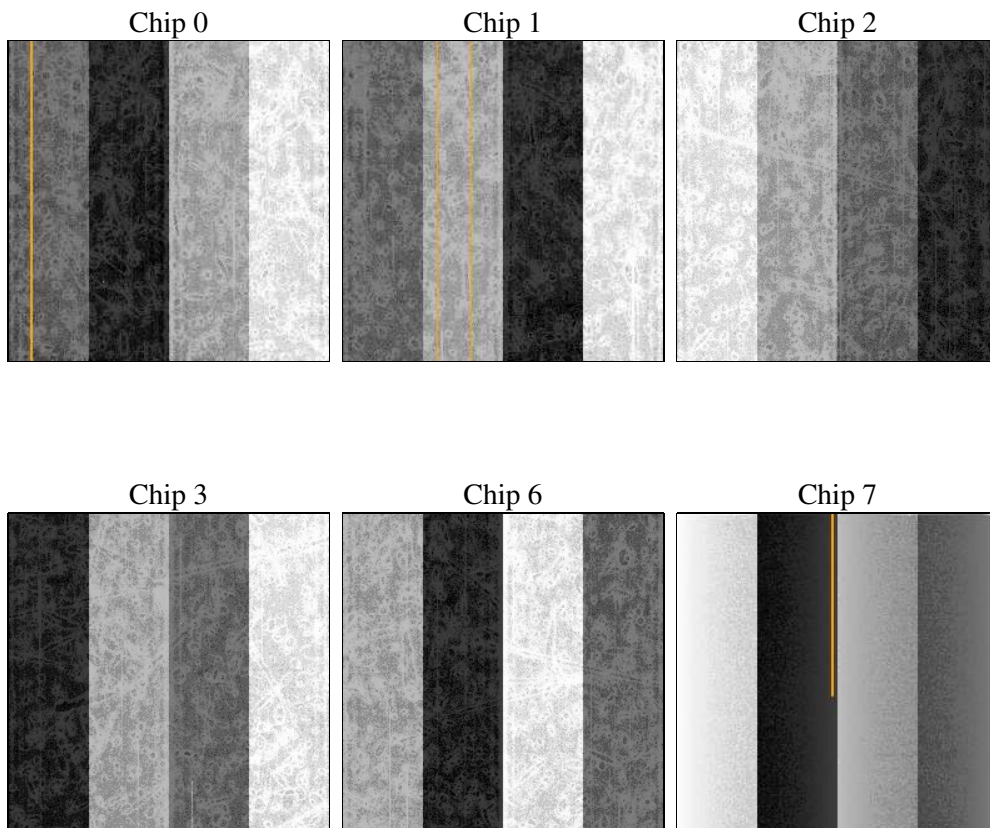
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	56000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	41007.999847233	Sum of GTIs [s]
caldbver	4.9.2	 	ontime0	41007.999847233	Sum of GTIs [s]
date	2020-10-09T23:16:53	Date and time of file creation	ontime1	41007.999847233	Sum of GTIs [s]
revision	7	Processing version of data	ontime2	41004.758946598	Sum of GTIs [s]
			ontime3	41007.999847233	Sum of GTIs [s]
			ontime6	41004.758866936	Sum of GTIs [s]
			ontime7	41007.999847233	Sum of GTIs [s]
			l1events	2212220	Number of level 1 events

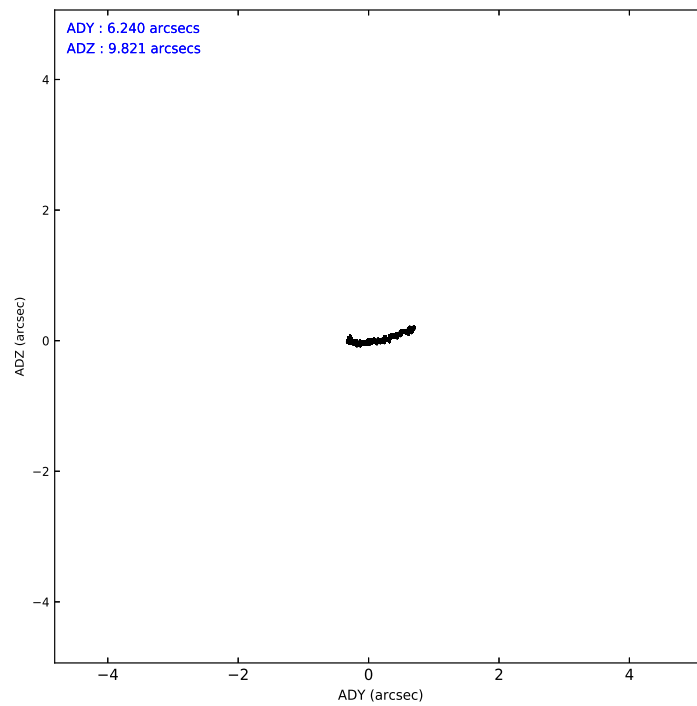
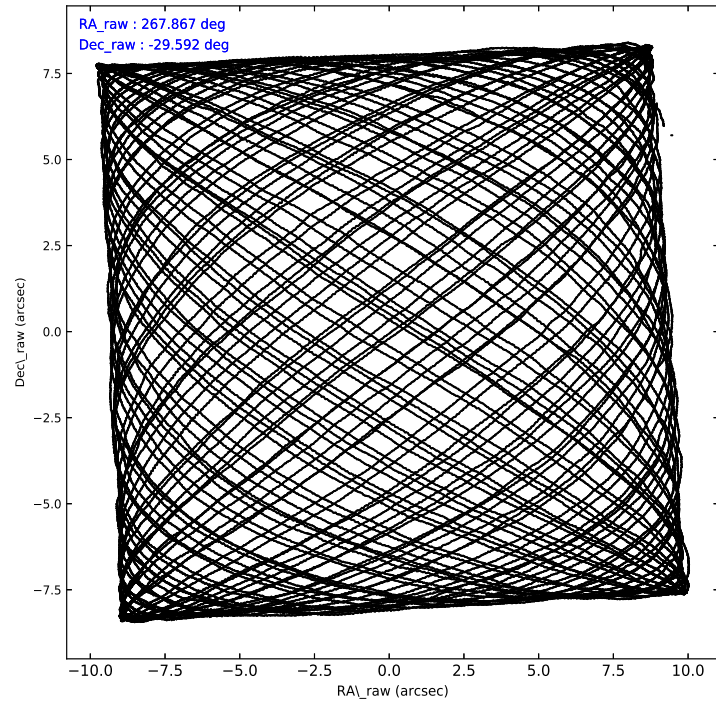
2.1.4 Events

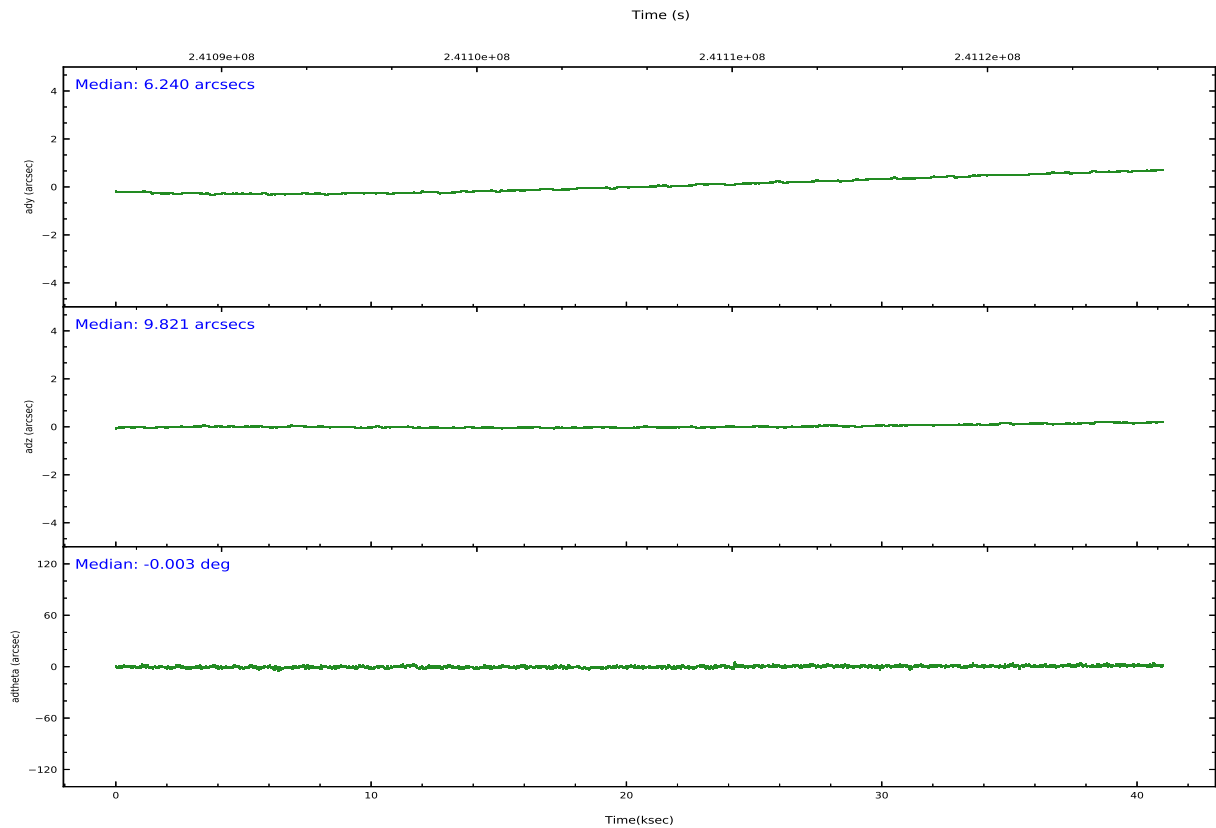
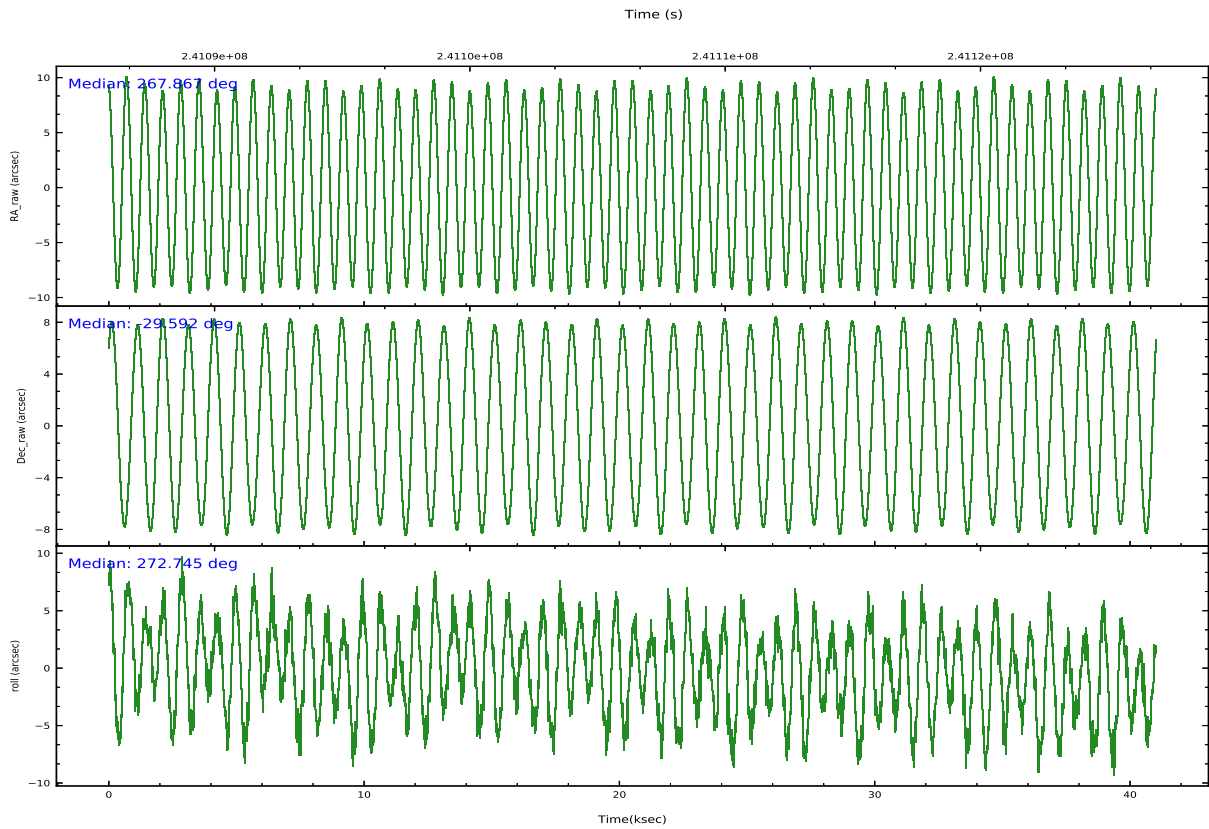
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	326137	332101	364802	354835	373827	460518	grade 0 events	34430	30983	37007	33469	30025	22159
rejected events	261391	268436	298510	292665	312900	254903		10%	9%	10%	9%	8%	4%
rejected %	80%	80%	81%	82%	83%	55%	grade 1 events	279	204	292	282	260	465
								0%	0%	0%	0%	0%	0%
							grade 2 events	12460	13046	11934	10904	12442	42679
								3%	3%	3%	3%	3%	9%
							grade 3 events	4559	4550	4338	4399	4230	18442
								1%	1%	1%	1%	1%	4%
							grade 4 events	4298	4553	4757	4275	4215	18577
								1%	1%	1%	1%	1%	4%
							grade 5 events	12308	13508	12044	14104	14958	41389
								3%	4%	3%	3%	4%	8%
							grade 6 events	9165	10708	8411	9277	10176	104250
								2%	3%	2%	2%	2%	22%
							grade 7 events	248638	254549	286019	278125	297521	212557
								76%	76%	78%	78%	79%	46%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	8	8
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	OVERRIDE	OVERRIDE
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	267.849772	267.86354364965	Subarray requested	NONE	NONE
[deg] Pointing Dec	-29.569375	-29.5906037362	Alternating exposures requested	N	N
[deg] Pointing Roll	272.530261	272.74524310917	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-0.7809083437167272	-0.7809083437167272			
[mm] SIM defocus	0.001439854621705816	0.001439854621705816			
[mm] SIM translation stage pos	-233.5874344608287	-233.5874344608287			
[mm] SIM translation stage offset	-0.005028630603106876	-0.005028630603106876			
[s] Observation start time (MET)	241085856.184000	241085856.184			
Observation start date	2005-08-22T08:16:32	2005-08-22T08:17:36			
[s] Observation end time (MET)	241126937.000000	241126937			
Observation end date	2005-08-22T19:42:17	2005-08-22T19:42:16			
Read mode	TIMED	TIMED			

2.3 Aspect





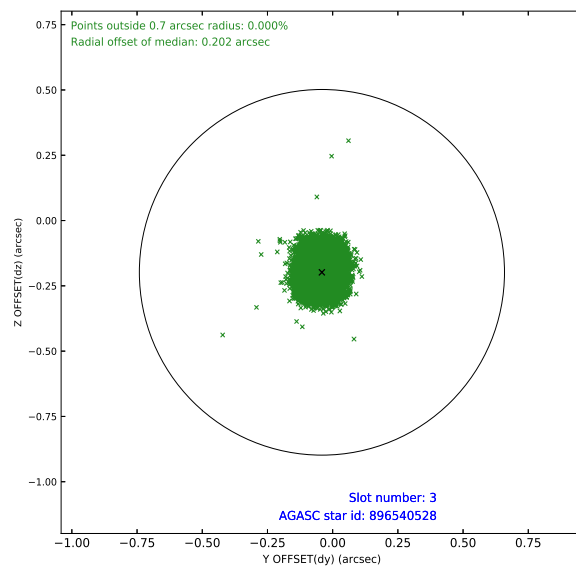
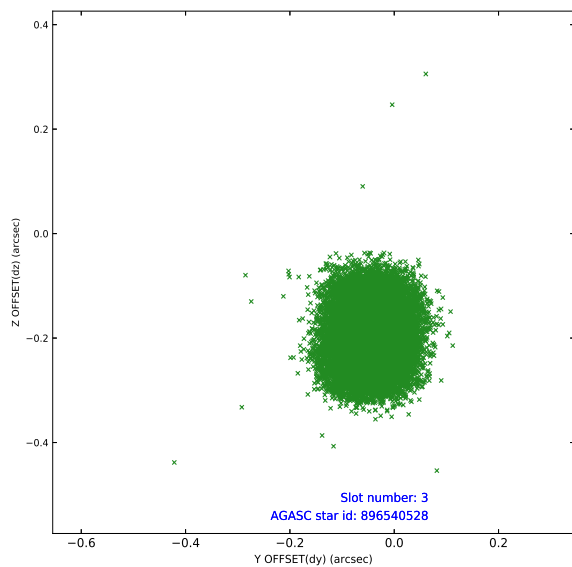
Slot Statistics

slot	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-I-1	7.25	10005	1.000	-0.052	0.054	0.013	0.020	0.000000	0.000000	933.34	-833
1	FID		ACIS-I-2	7.14	10004	1.000	-0.160	-0.089	0.008	0.013	0.000000	0.000000	-760.84	-839
2	FID		ACIS-I-4	7.18	10002	1.000	0.114	0.102	0.009	0.017	0.000000	0.000000	2153.38	1066
3	GUIDE	used	896540528	8.25	20006	1.000	-0.041	-0.198	0.075	0.115	267.368305	-29.314773	-978.75	-1469
4	GUIDE	used	896543792	9.83	19996	1.000	0.032	-0.031	0.131	0.219	267.148052	-29.957989	1308.24	-2248
5	GUIDE	used	898247688	8.66	20006	1.000	-0.215	0.218	0.078	0.126	268.426687	-29.012154	-1919.36	1903
6	GUIDE	used	898248800	8.22	20006	1.000	-0.003	-0.102	0.059	0.093	267.977609	-29.931731	1321.28	341
7	GUIDE	used	967053960	9.24	19999	1.000	0.233	0.111	0.084	0.137	268.185736	-30.091336	1925.61	962

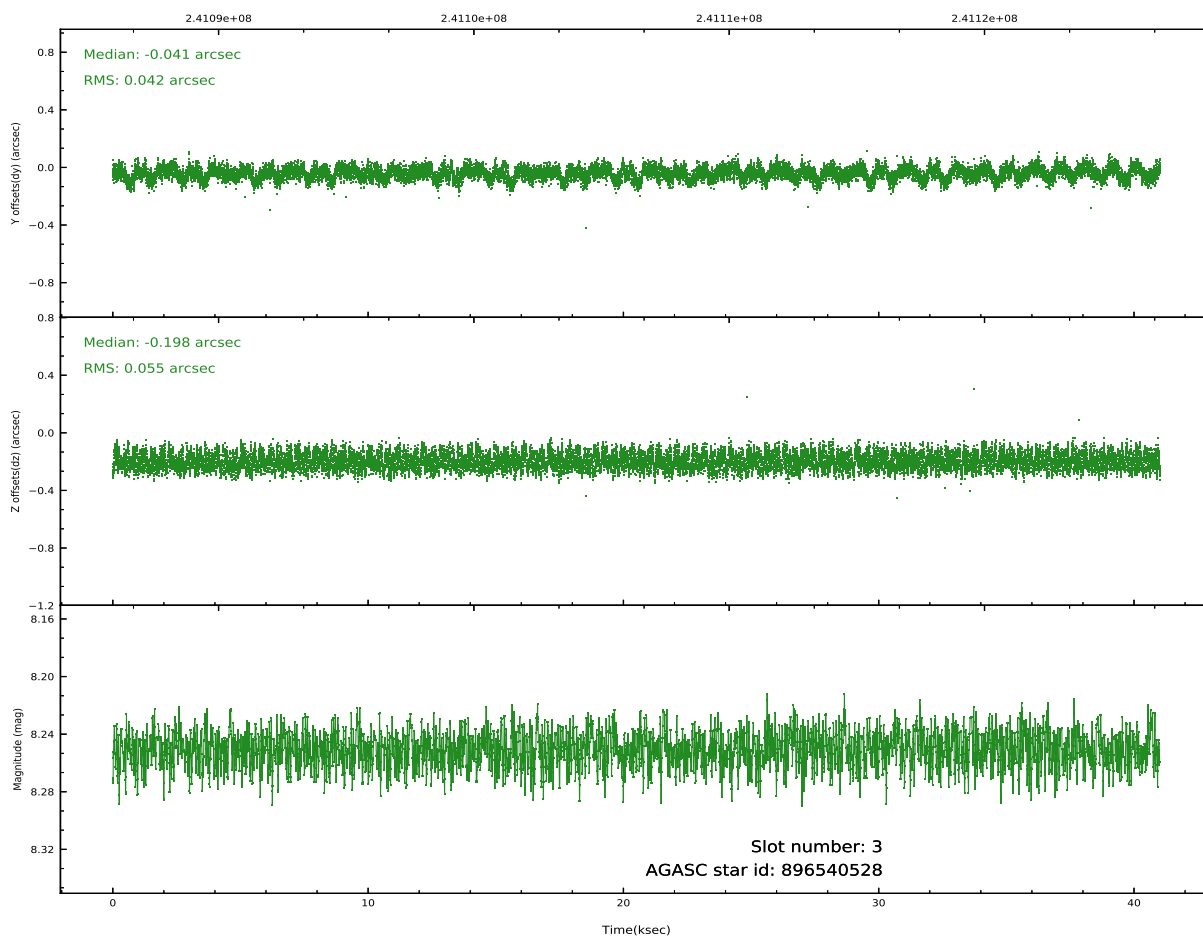
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2.4 Star Slots

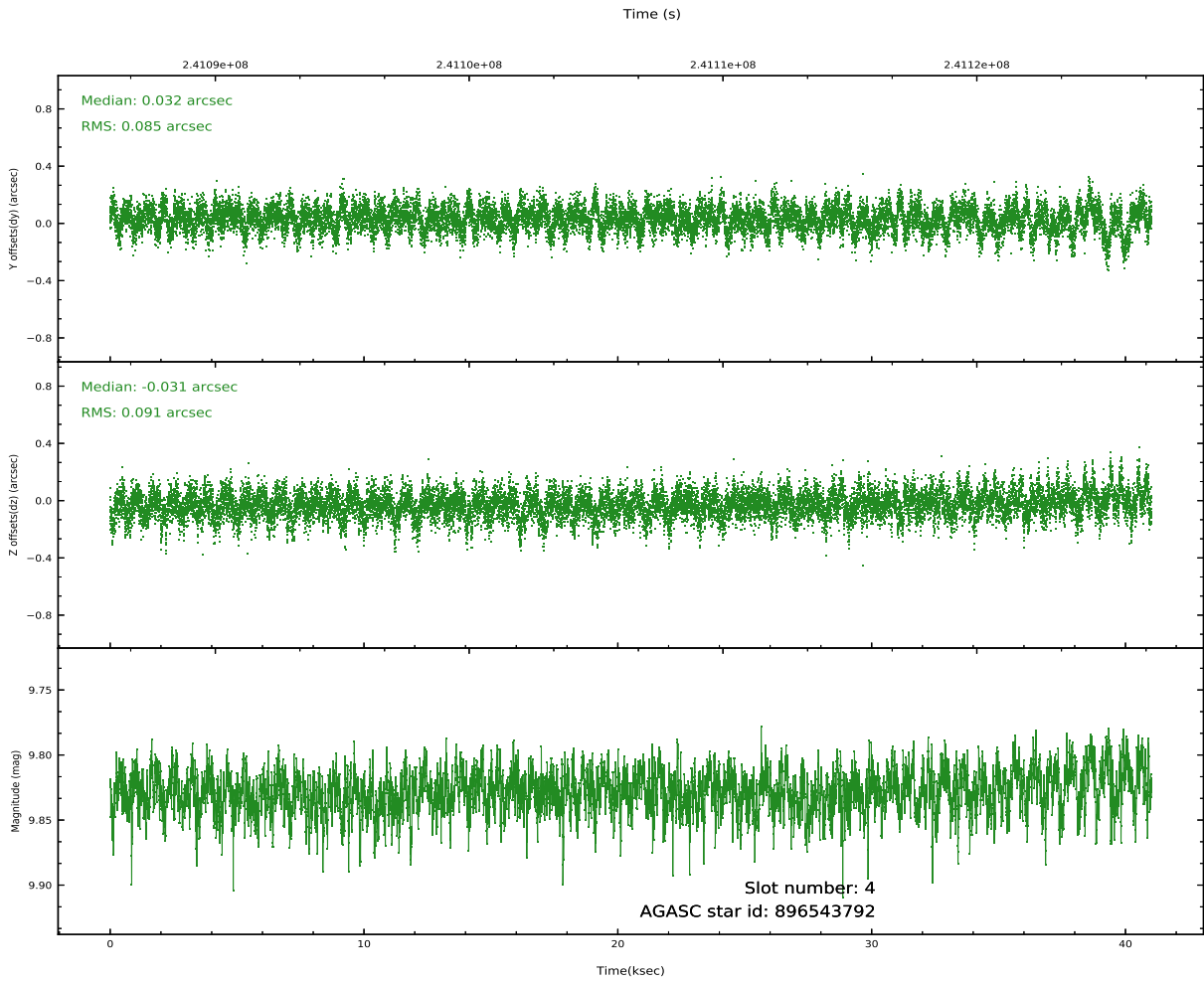
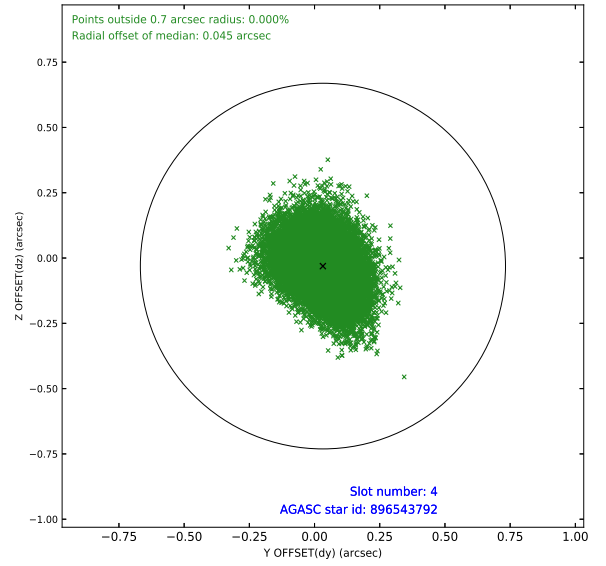
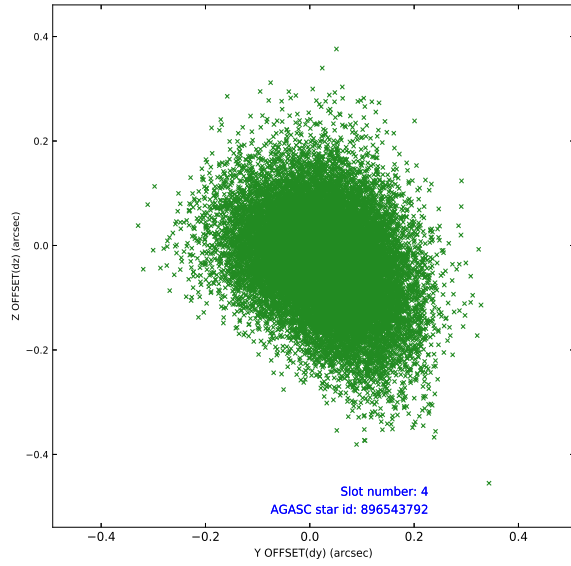
2.4.1 Slot 3



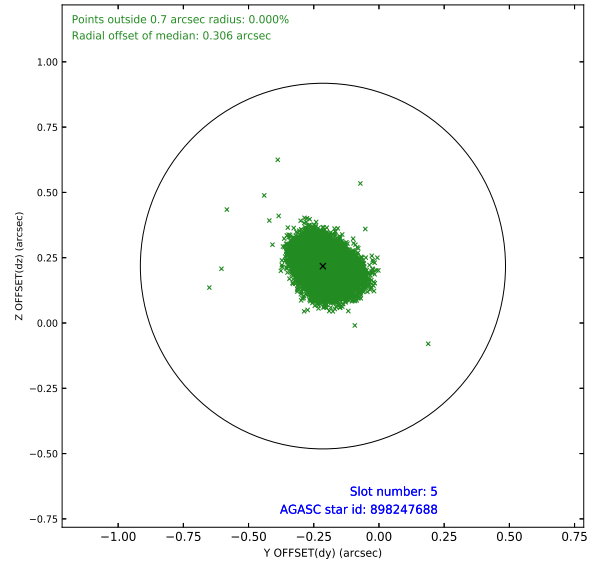
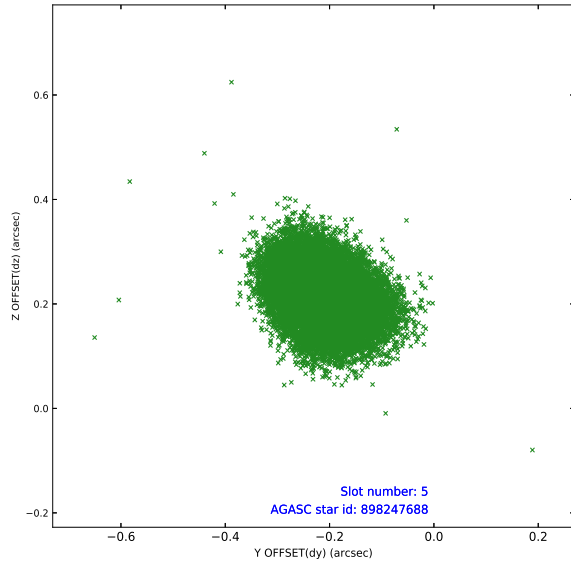
Time (s)



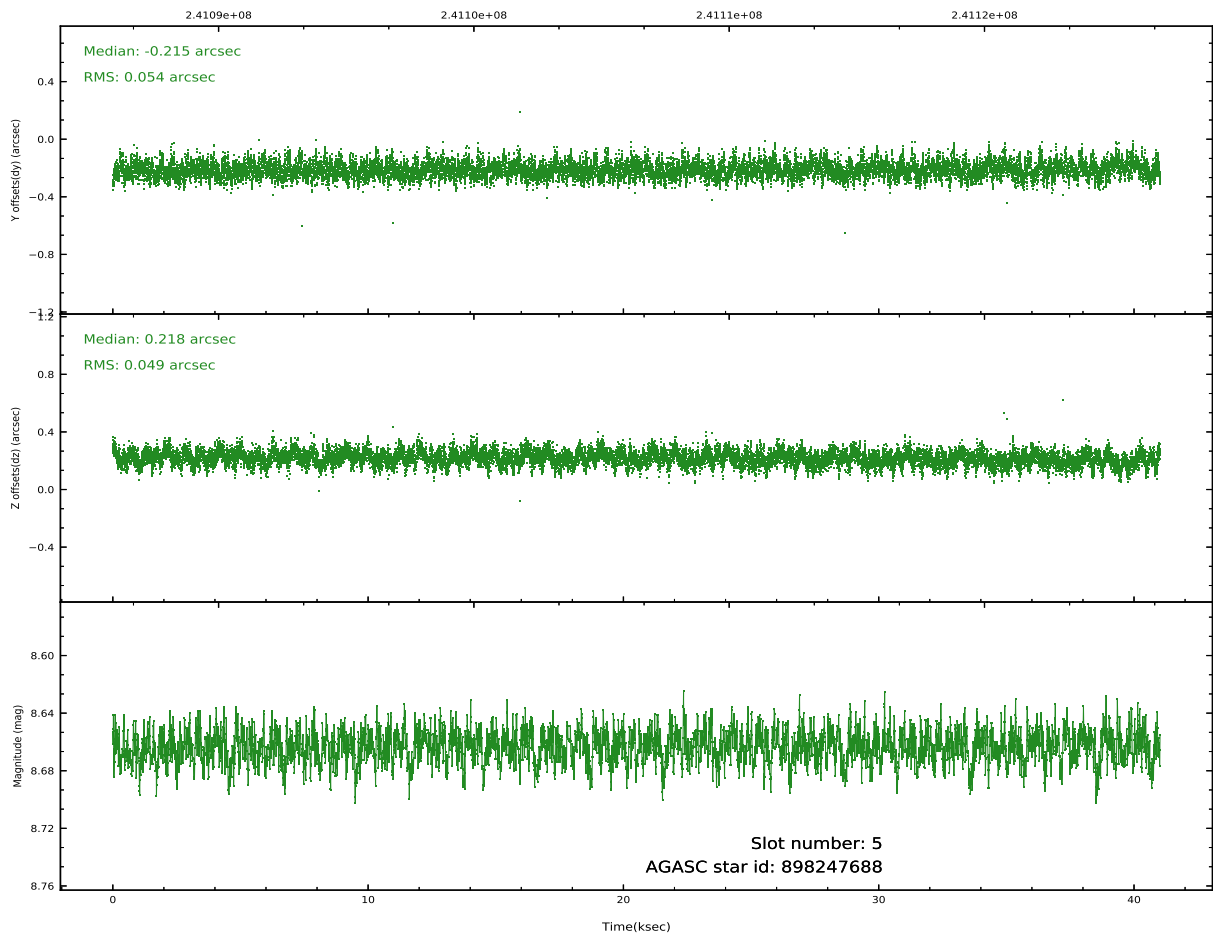
2.4.2 Slot 4



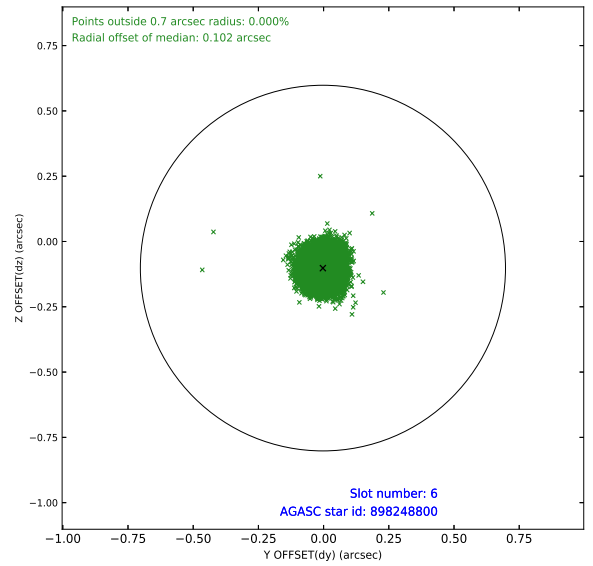
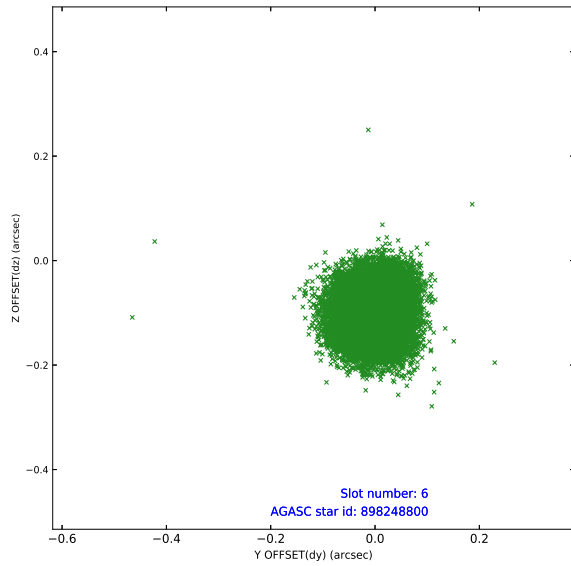
2.4.3 Slot 5



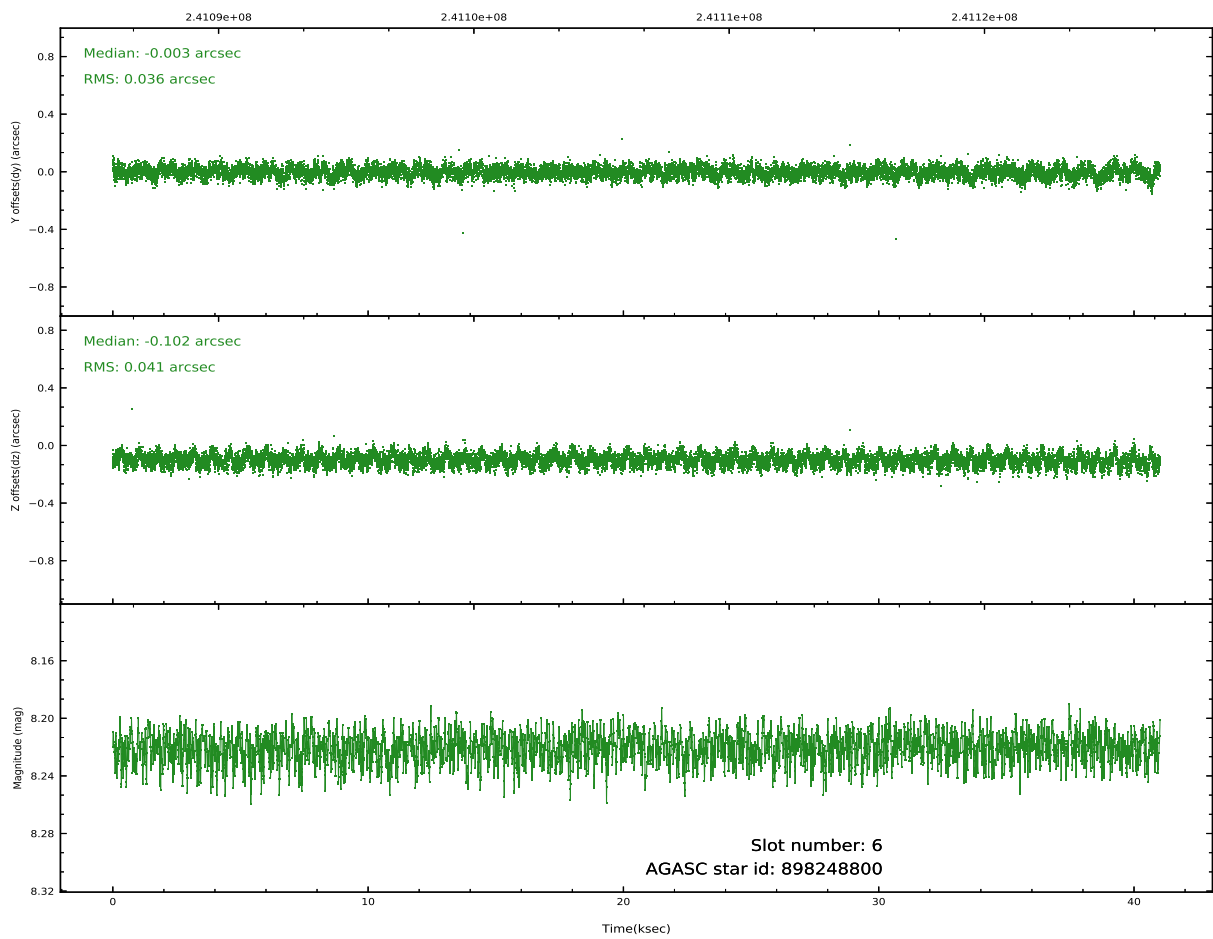
Time (s)



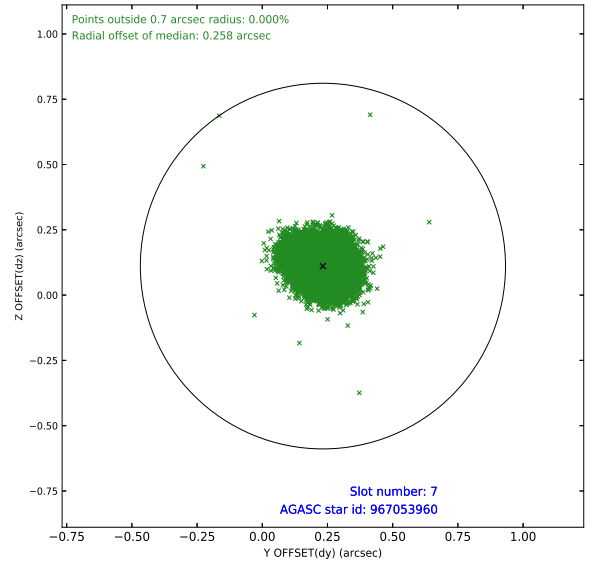
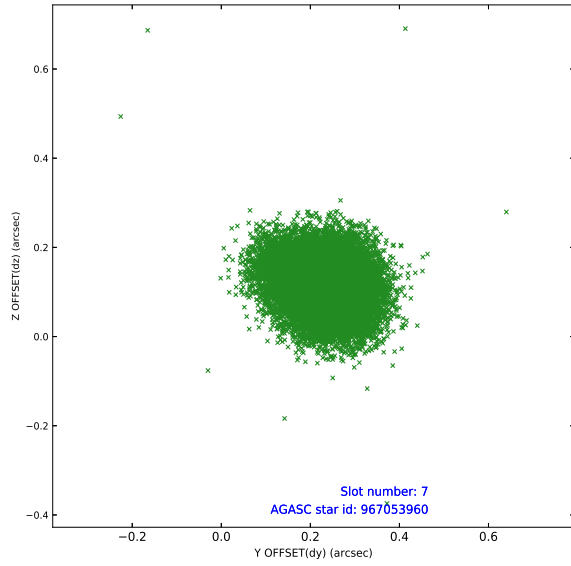
2.4.4 Slot 6



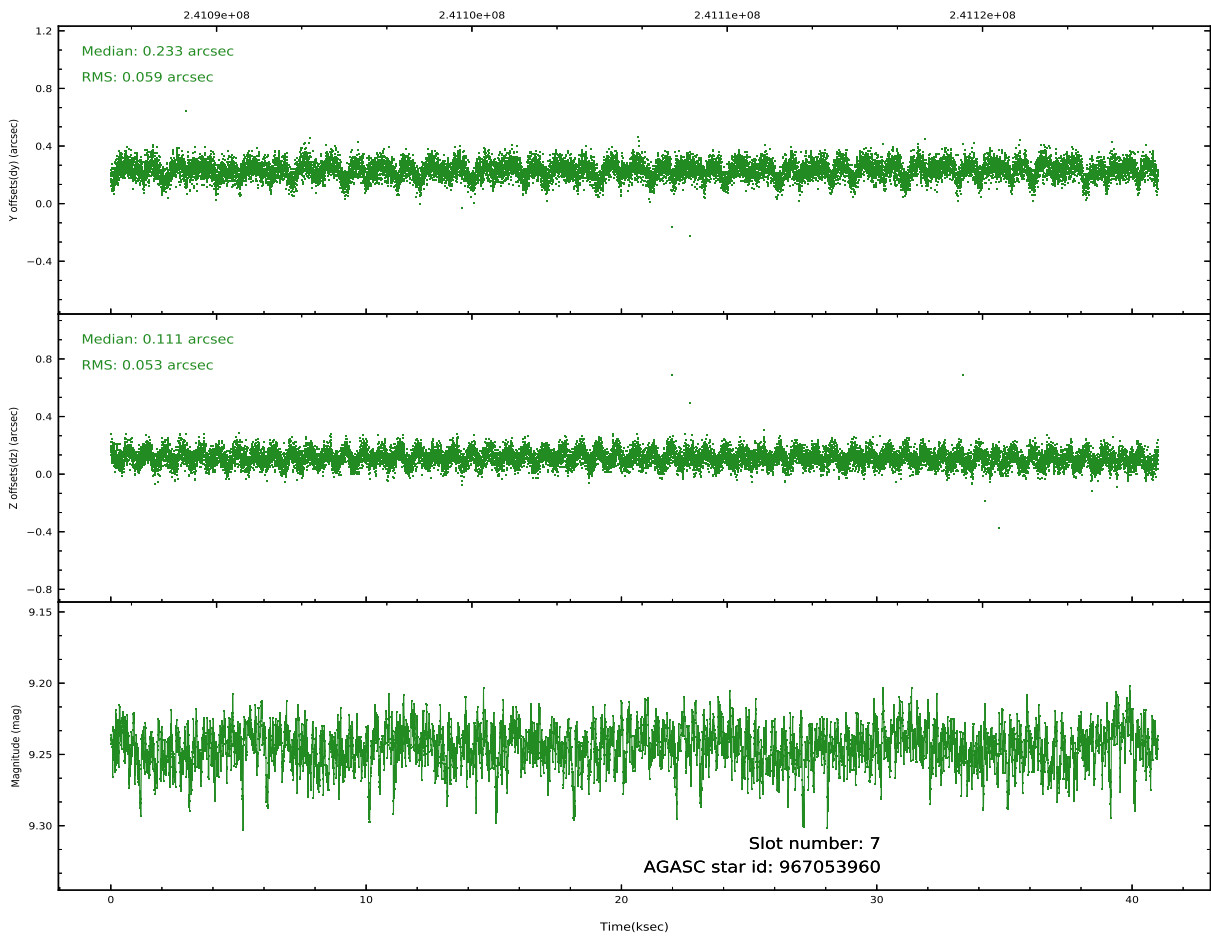
Time (s)



2.4.5 Slot 7

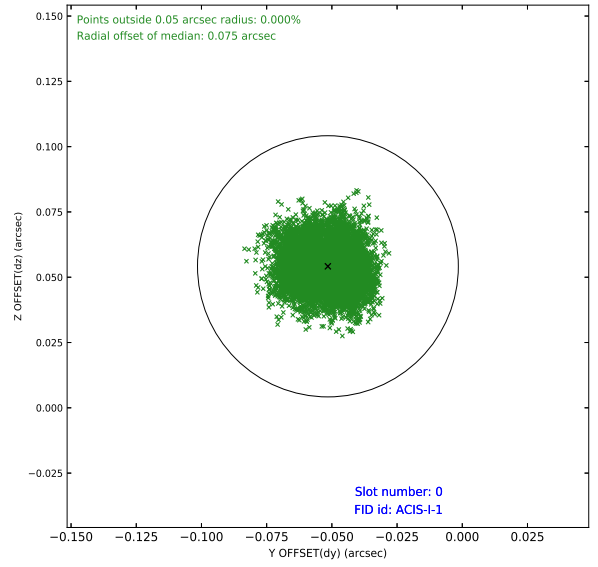
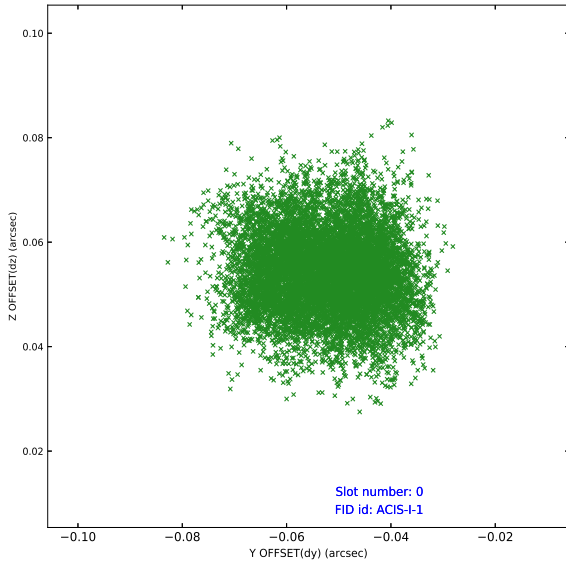


Time (s)

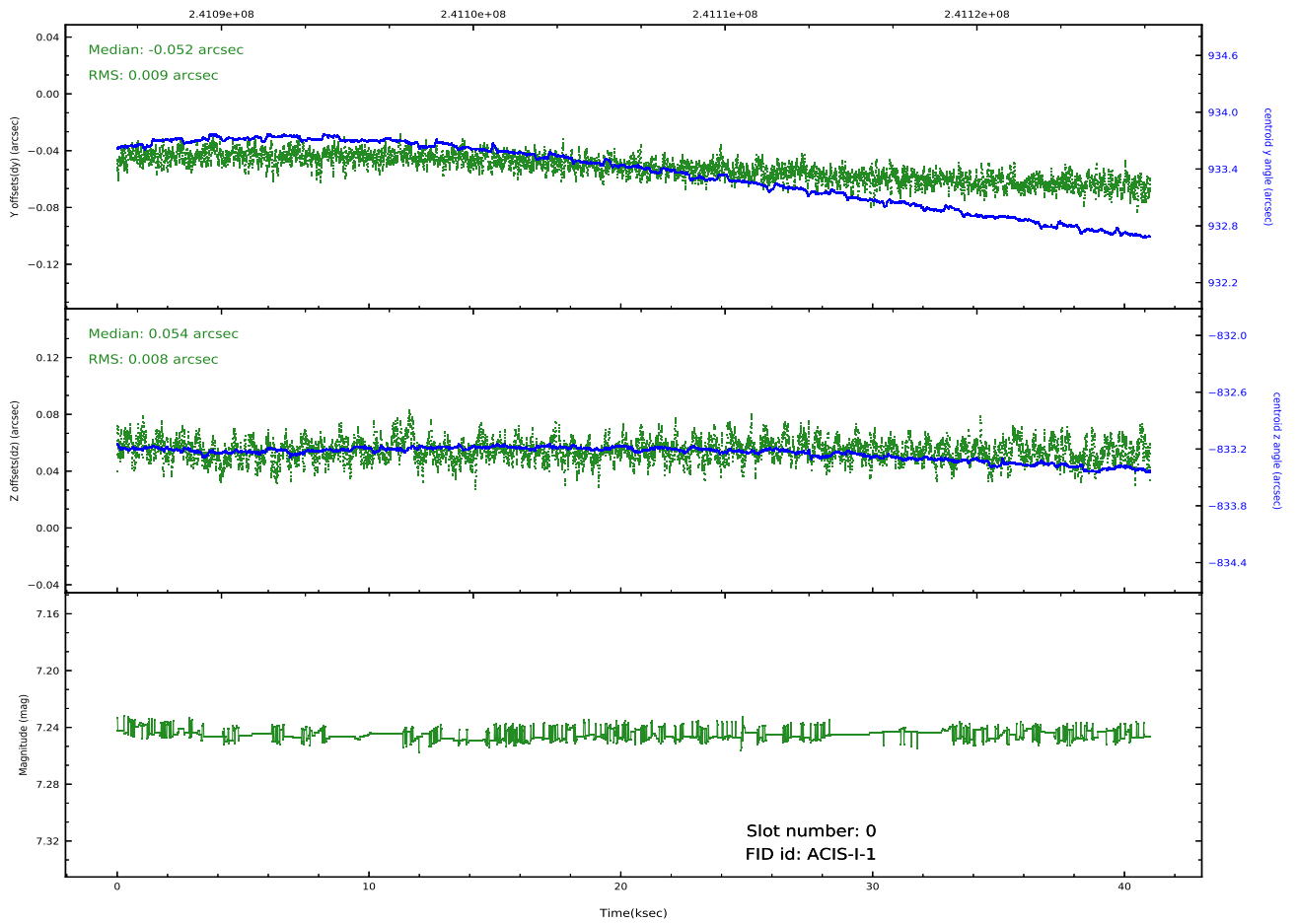


2.5 FID Slots

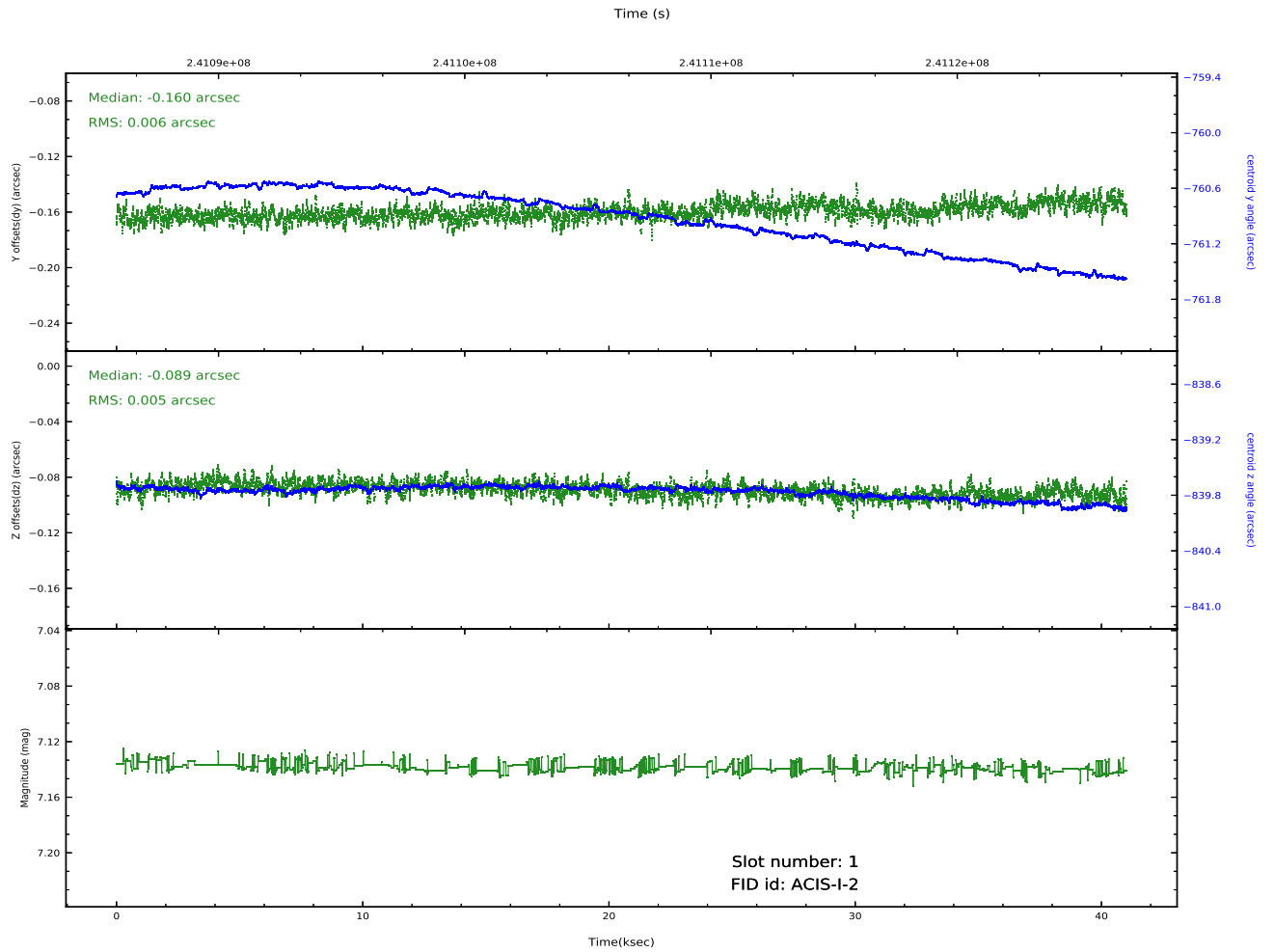
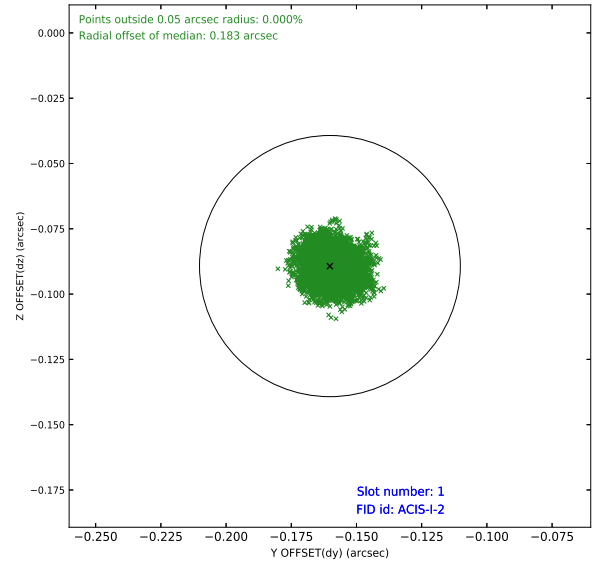
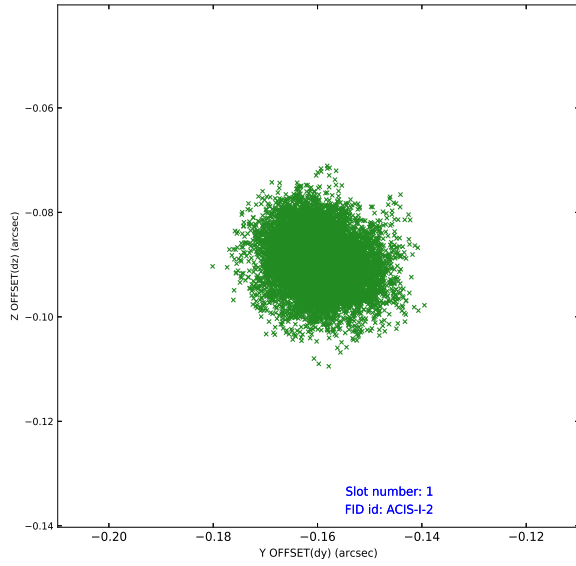
2.5.1 Slot 0



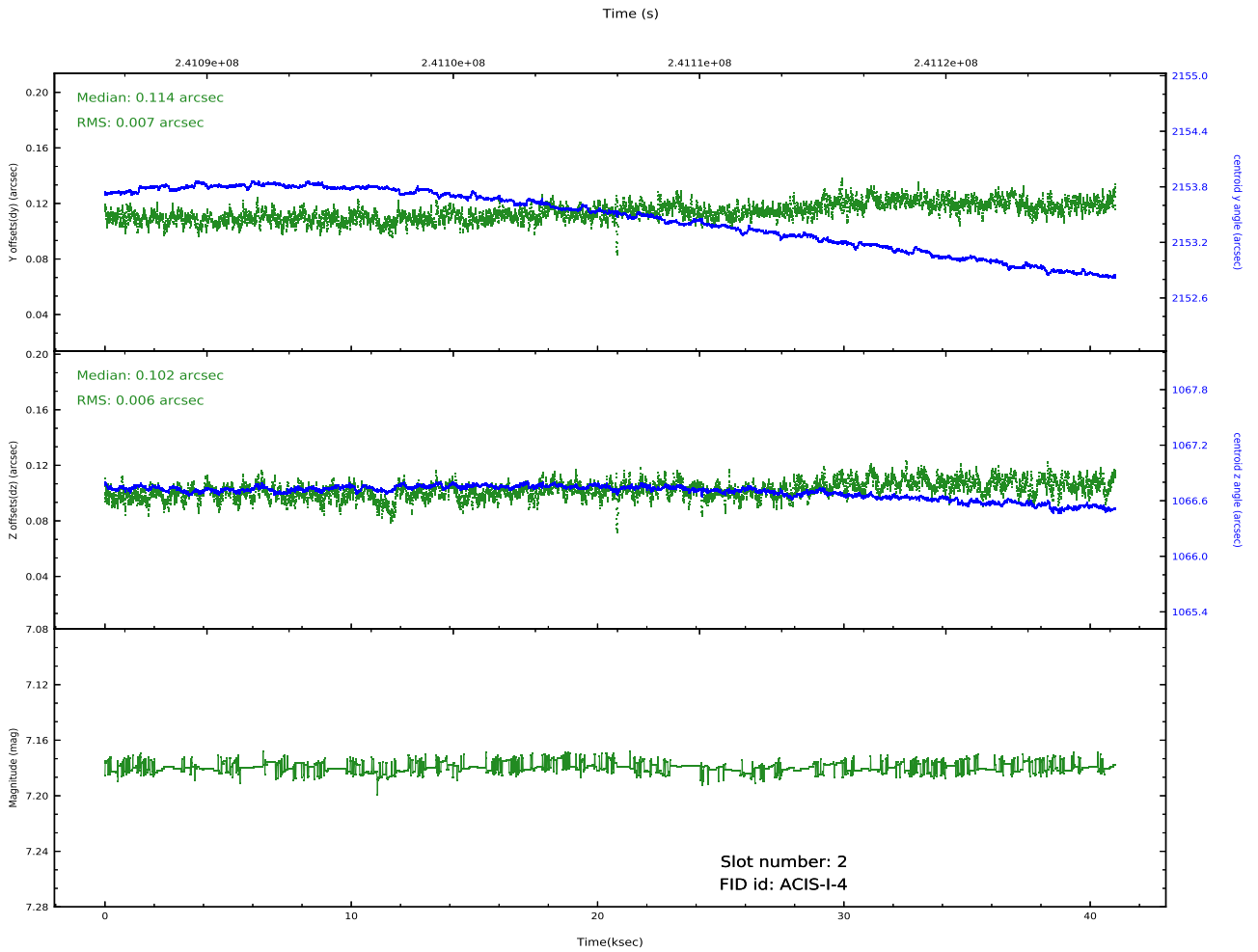
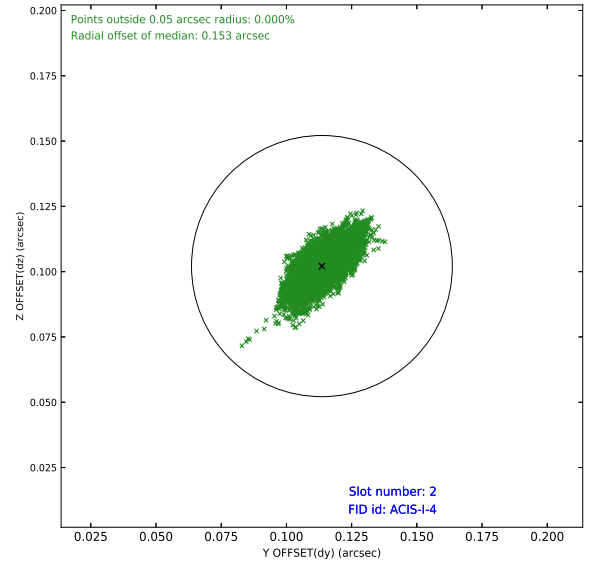
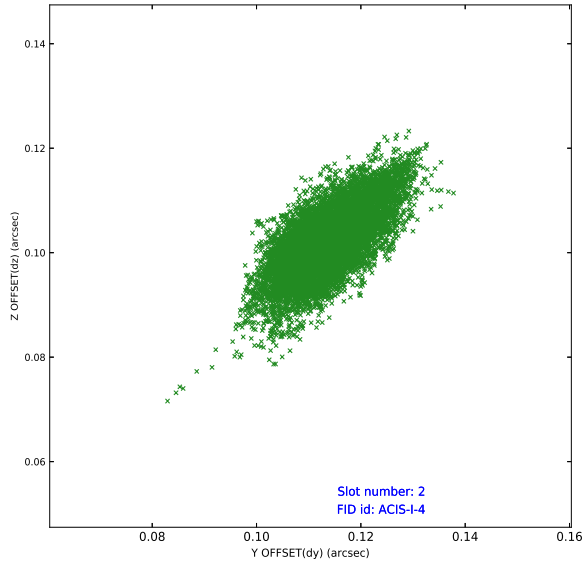
Time (s)



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)	2020.10.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	41.0528

A.2 Comments

Charge time for this observation remains at previous value of 41.0528 ksec, although with the current processing the charge time would have been 41.007 ksec.

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This observation was interrupted by safing of the science instruments due to high solar radiation environment. The observation was interrupted at 2005-08-22T19:40:20.

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Joint proposal with HST.