

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5804 - L2 Version 4
Chandra X-Ray Center

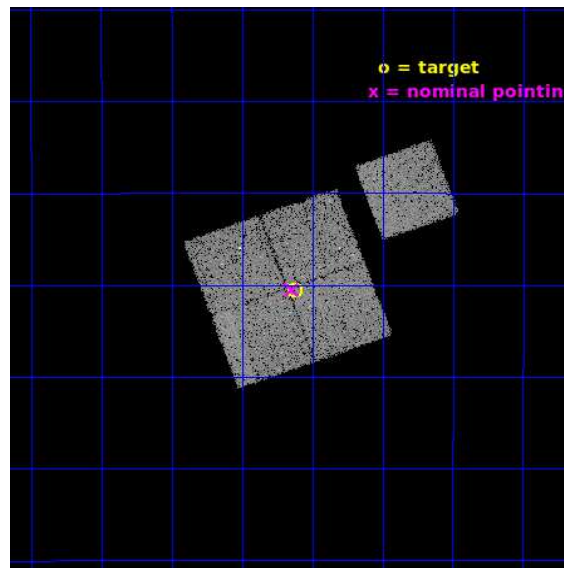
L2 Processing Date : Oct 7 2020

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1 Front

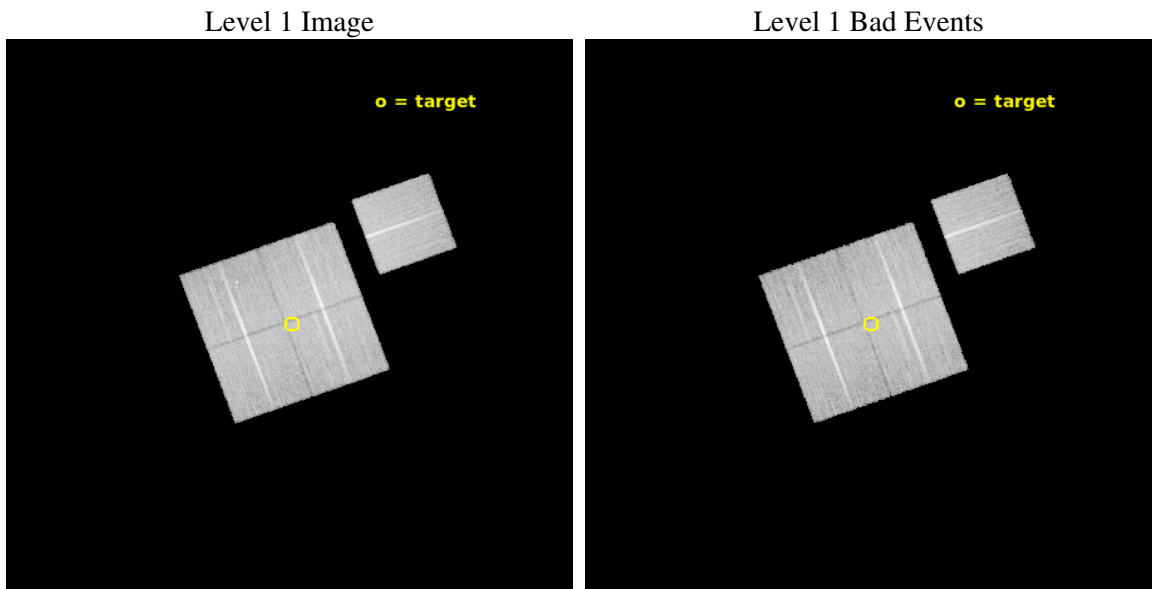
seq_num	800517	Sequence number
obs_id	5804	Observation id
title	Chandra Observations of the DLS Shear-Selected Cluster Survey	Prop
observer	John P. Hughes	Principal investigator
object	2MASX J13560310-1139120	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	209.030833	Observer's specified target RA [deg]
dec_targ	-11.675556	Observer's specified target Dec [deg]
ra_nom	209.03604897051	Nominal RA [deg]
dec_nom	-11.675052714434	Nominal Dec [deg]
roll_nom	70.00941979466	Nominal Roll [deg]
revision	4	Processing version of data
ontime	21479.89995867	Sum of GTIs [s]
livetime	21199.249252438	Livetime [s]
ontime0	21476.758978397	Sum of GTIs [s]
ontime1	21479.89995867	Sum of GTIs [s]
ontime2	21476.758948535	Sum of GTIs [s]
ontime3	21479.89995867	Sum of GTIs [s]
ontime6	21479.89995867	Sum of GTIs [s]
l2events	57197	Number of level 2 events



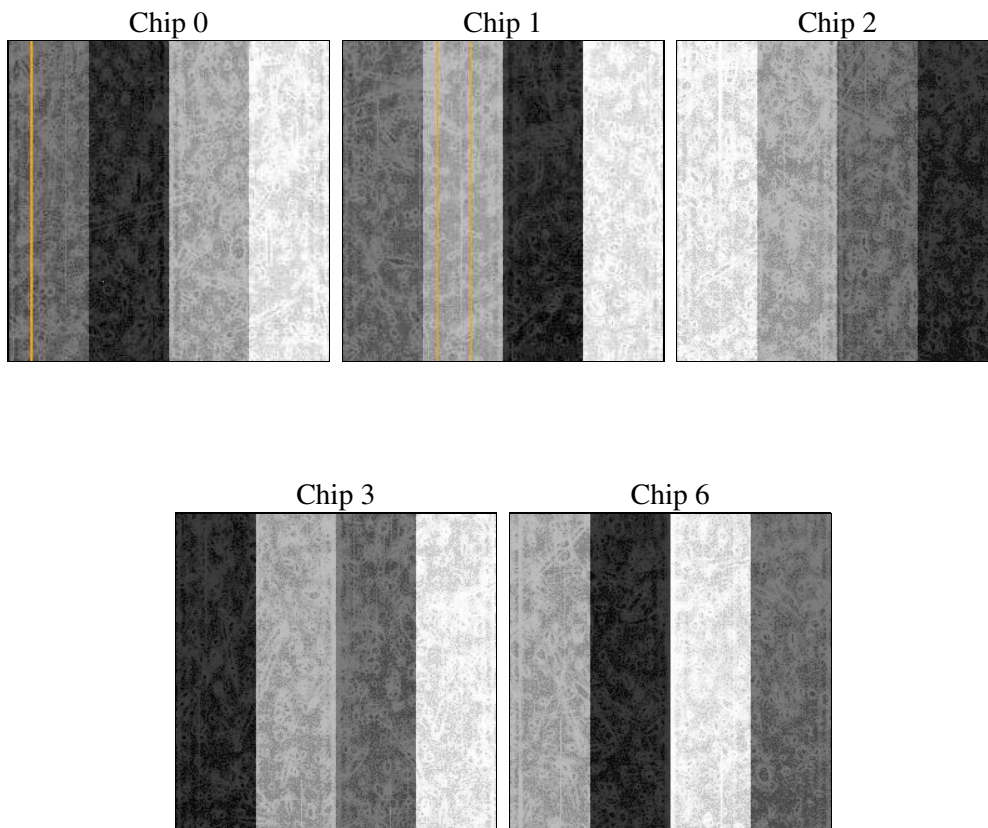
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	21300.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	21479.89995867	Sum of GTIs [s]
caldbver	4.9.2	 	ontime0	21476.758978397	Sum of GTIs [s]
date	2020-10-07T05:35:59	Date and time of file creation	ontime1	21479.89995867	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	21476.758948535	Sum of GTIs [s]
			ontime3	21479.89995867	Sum of GTIs [s]
			ontime6	21479.89995867	Sum of GTIs [s]
			l1events	672201	Number of level 1 events

2.1.4 Events

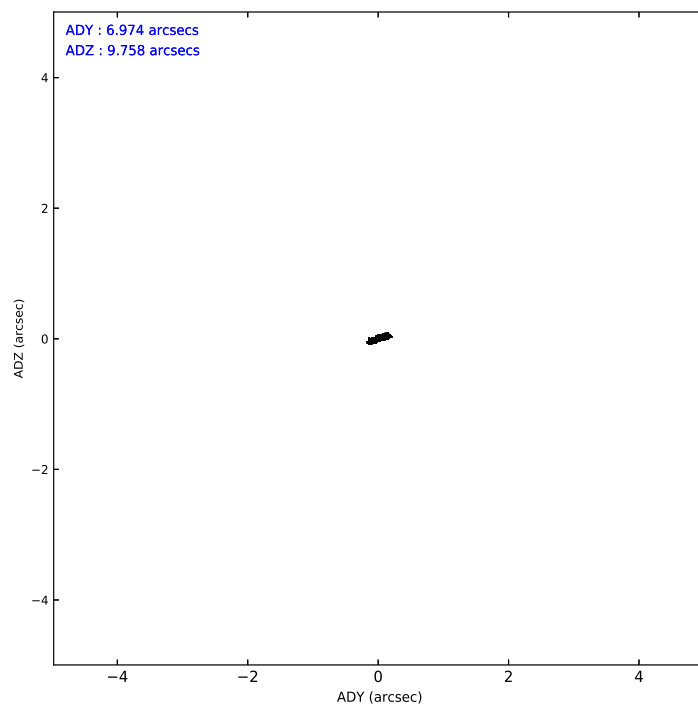
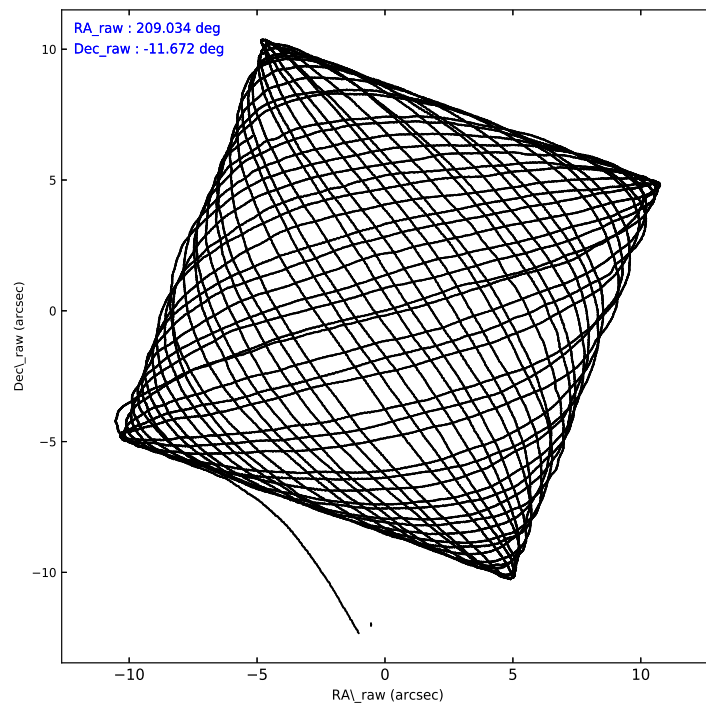
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	125347	126066	143994	137377	139417
rejected events	111589	110945	130516	124548	125520
rejected %	89%	88%	90%	90%	90%

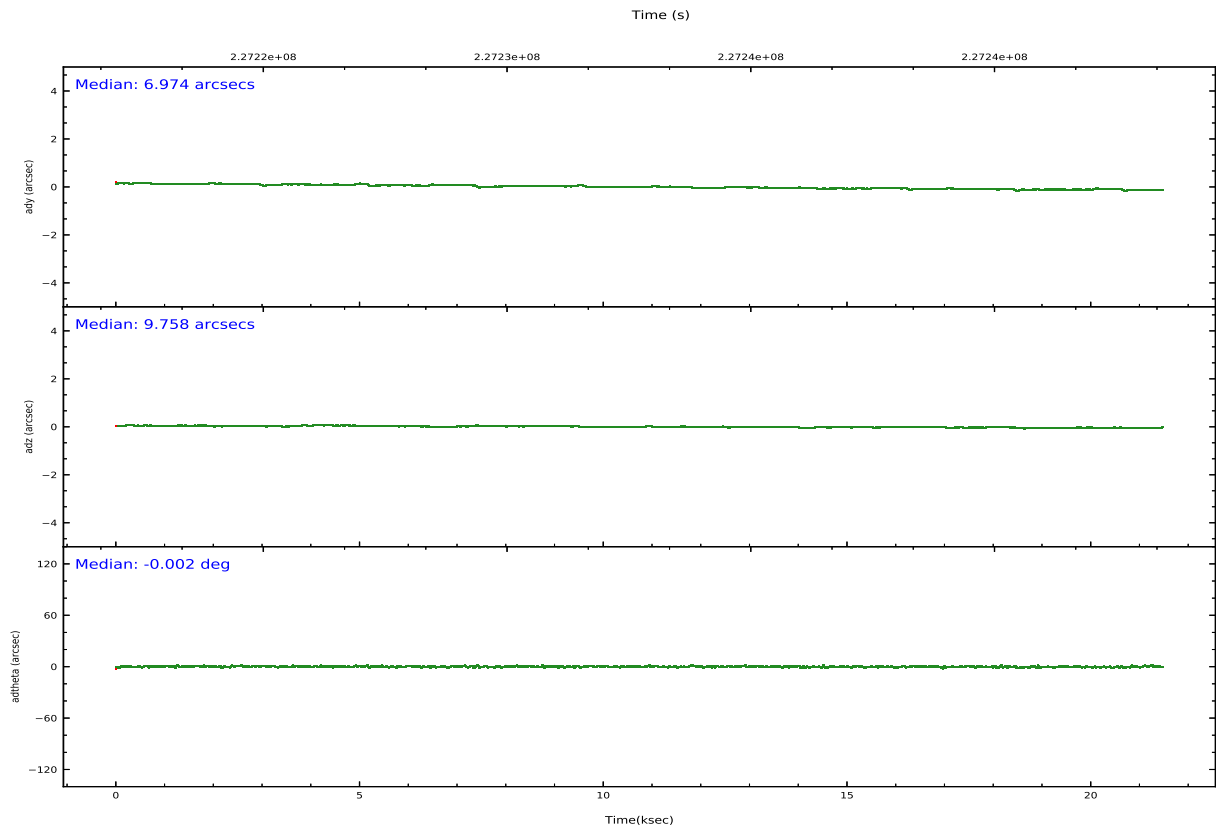
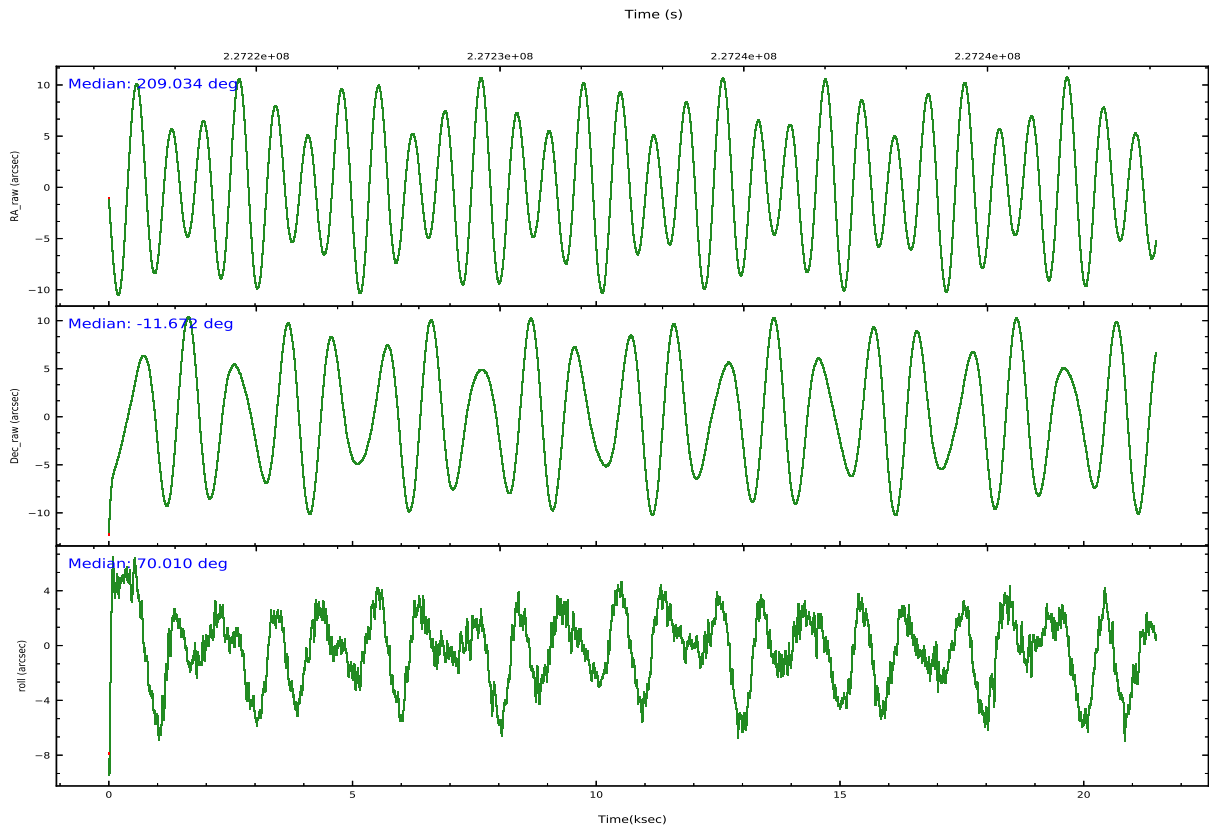
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	5115	5630	5117	4602	4806
	4%	4%	3%	3%	3%
grade 1 events	72	62	83	78	65
	0%	0%	0%	0%	0%
grade 2 events	3157	3356	3099	2839	3041
	2%	2%	2%	2%	2%
grade 3 events	1559	1739	1444	1493	1547
	1%	1%	1%	1%	1%
grade 4 events	1488	1638	1453	1446	1639
	1%	1%	1%	1%	1%
grade 5 events	4719	5080	4484	5560	5384
	3%	4%	3%	4%	3%
grade 6 events	2564	2908	2501	2585	2997
	2%	2%	1%	1%	2%
grade 7 events	106673	105653	125813	118774	119938
	85%	83%	87%	86%	86%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-01236	ACIS-01236	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	209.039042	209.03604897051	Subarray requested	NONE	NONE
[deg] Pointing Dec	-11.699110	-11.675052714434	Alternating exposures requested	N	N
[deg] Pointing Roll	69.807972	70.00941979466	[s] Primary exposure time	0.000000	3.1
[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)	227222160.184000	227221065.83413			
Observation start date	2005-03-14T21:14:56	2005-03-14T20:57:45			
[s] Observation end time (MET)	227243460.184000	227244681.3227			
Observation end date	2005-03-15T03:09:56	2005-03-15T03:31:21			
Read mode	TIMED	TIMED			

2.3 Aspect





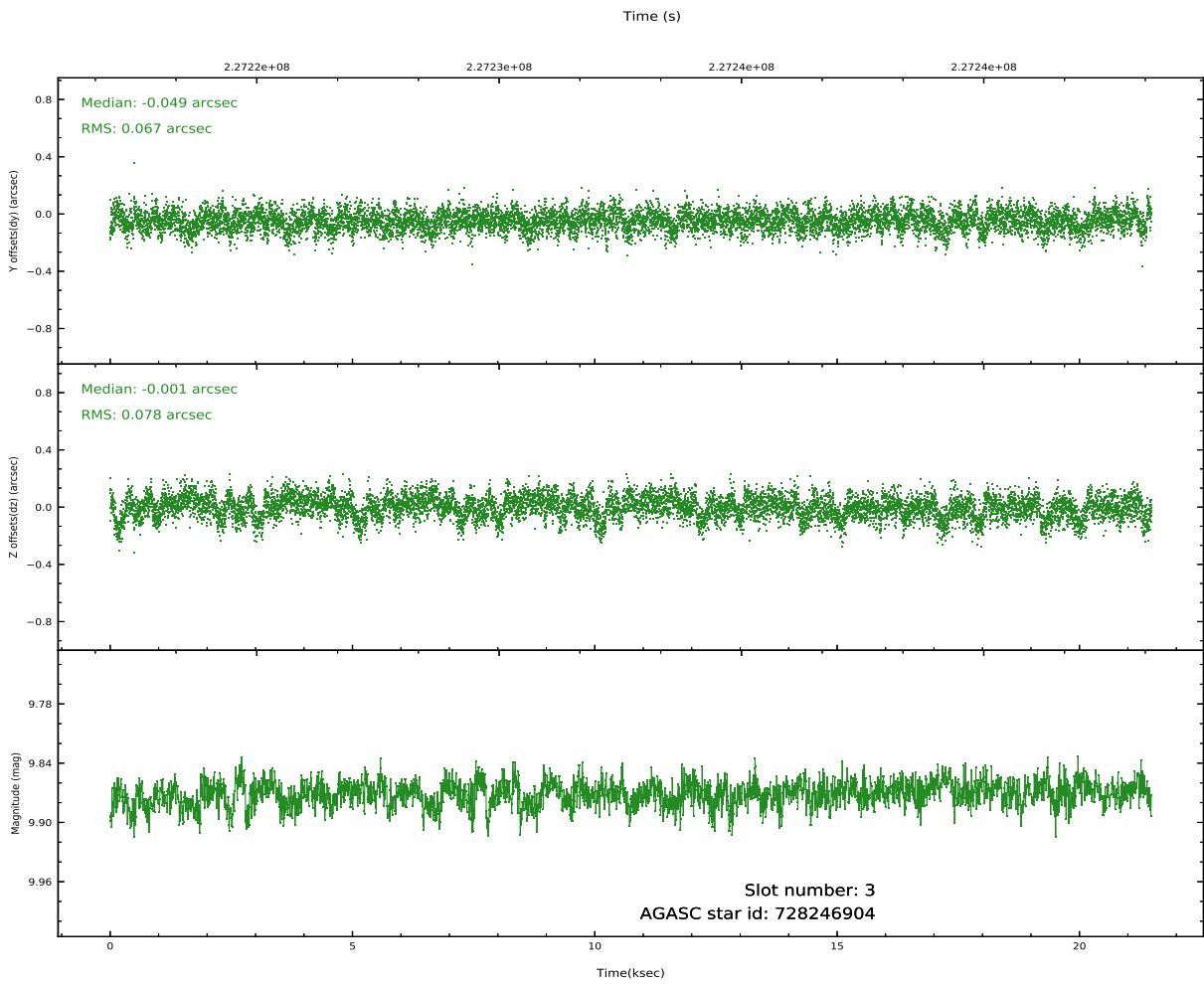
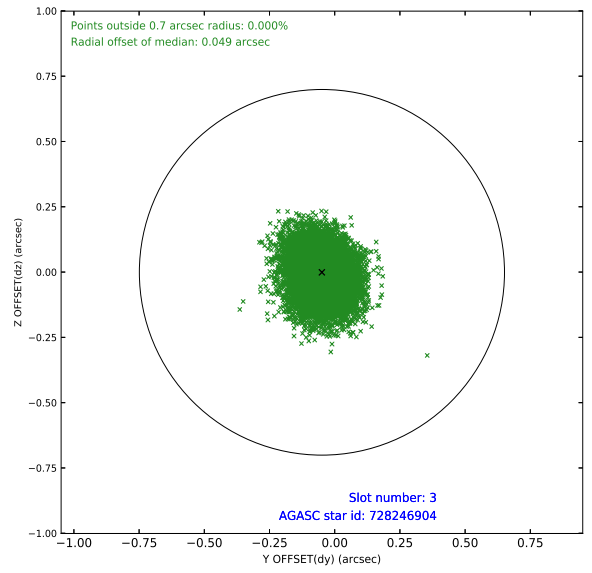
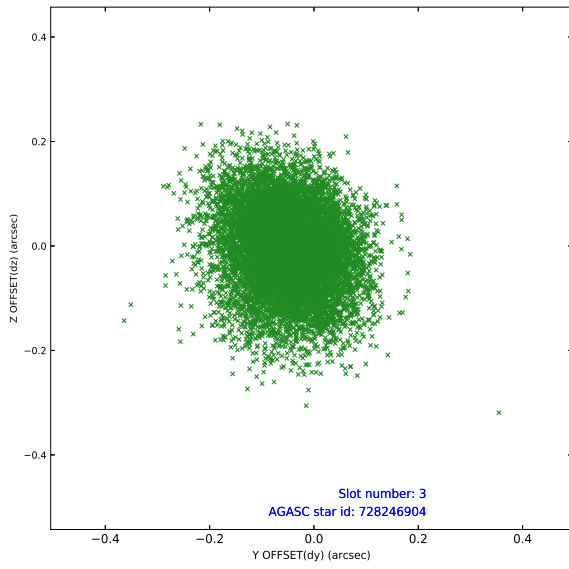
Slot Statistics

pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-I-4	7.18	5239	1.000	0.150	0.016	0.008	0.014	0.000000	0.000000	2152.81	1066
1	FID		ACIS-I-5	7.23	5240	1.000	-0.269	0.007	0.006	0.011	0.000000	0.000000	-1815.36	1064
2	FID		ACIS-I-6	7.26	5240	1.000	0.019	0.044	0.008	0.014	0.000000	0.000000	398.07	1708
3	GUIDE	used	728246904	9.87	10456	1.000	-0.049	-0.001	0.109	0.180	208.922180	-11.454653	683.65	690
4	GUIDE	used	728247816	9.66	10477	1.000	0.003	-0.147	0.100	0.165	208.940266	-11.917686	-858.38	54
5	GUIDE	used	728248504	7.83	10481	1.000	0.052	0.310	0.068	0.104	208.881327	-12.223064	-1961.75	-130
6	GUIDE	used	728378760	8.44	10482	1.000	-0.017	0.133	0.071	0.112	209.447556	-11.536817	1044.92	-1150
7	GUIDE	used	728243160	10.06	10467	1.000	0.015	-0.285	0.136	0.224	208.309960	-11.797392	-1222.02	2287

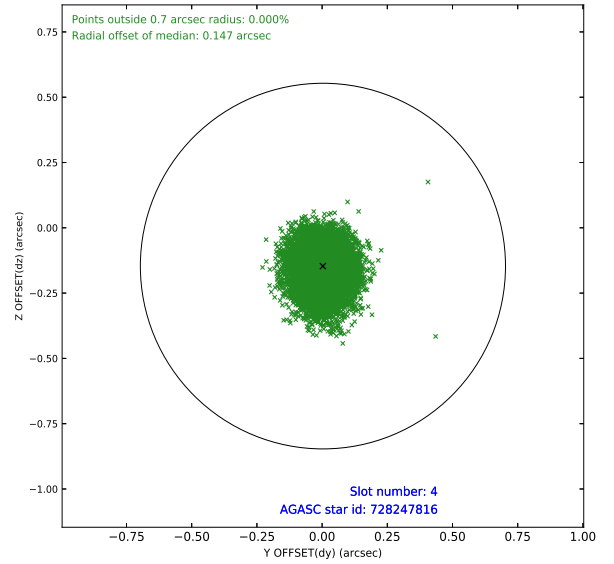
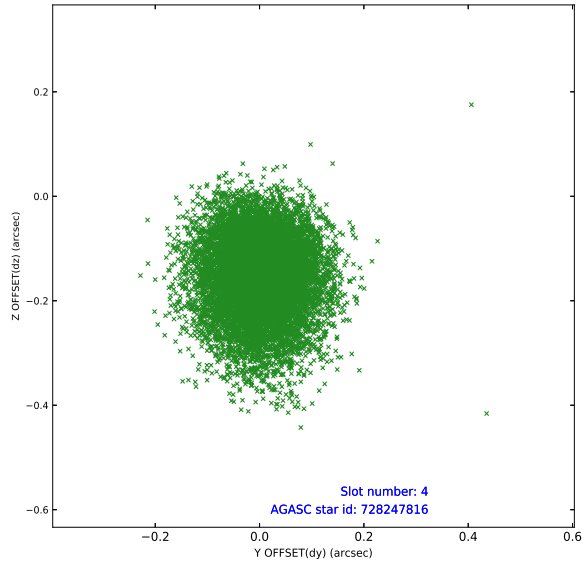
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2.4 Star Slots

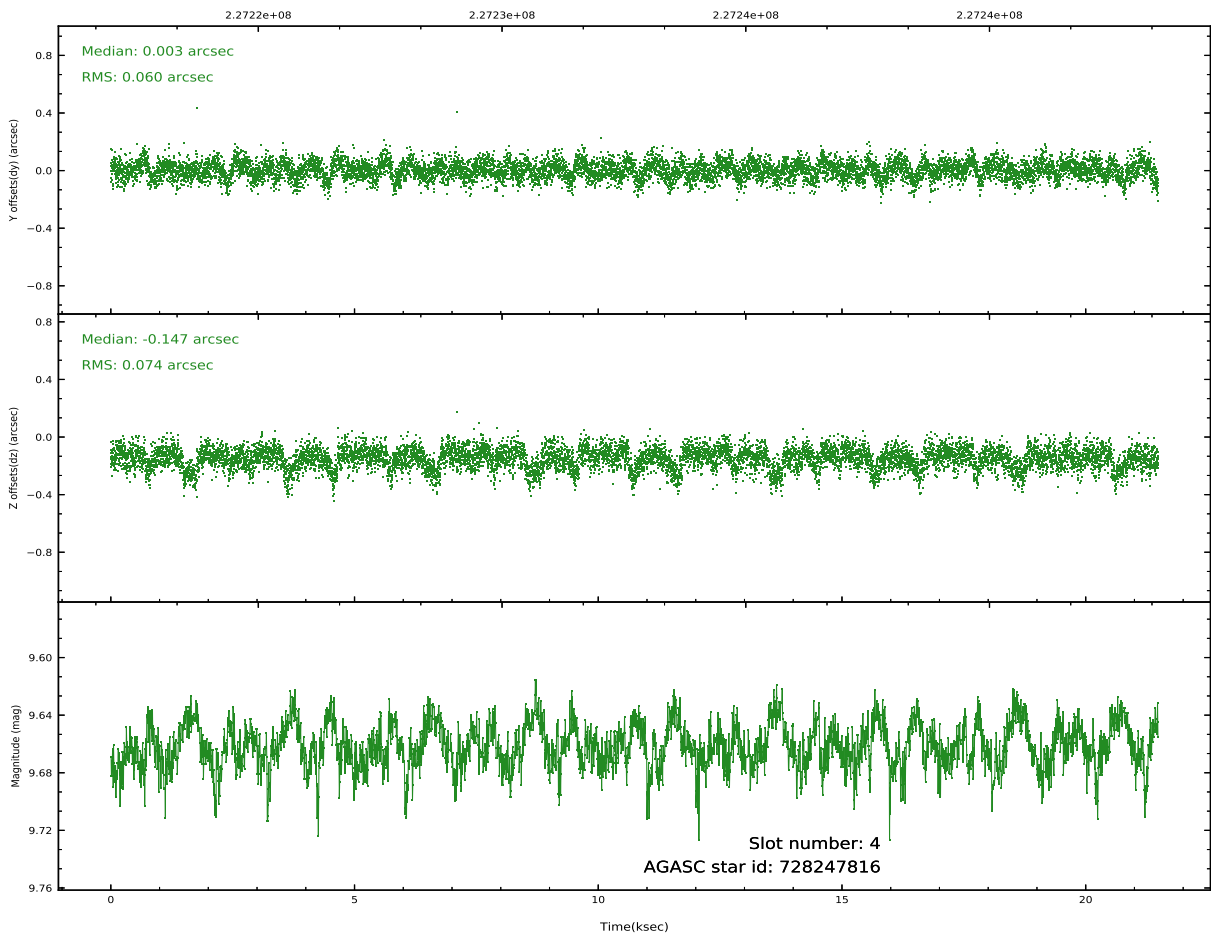
2.4.1 Slot 3



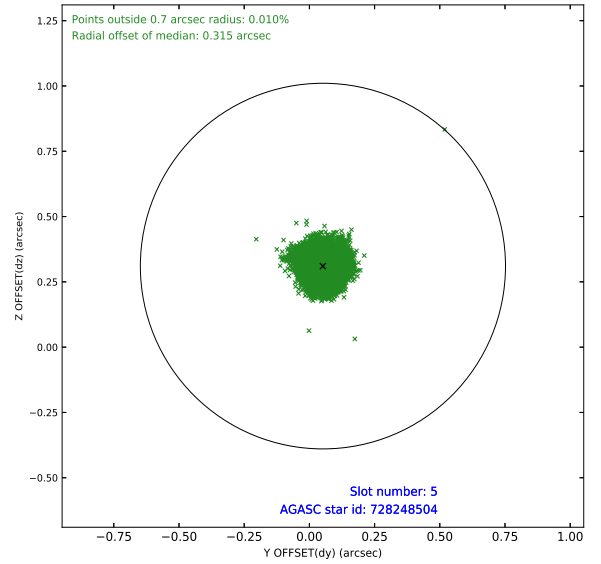
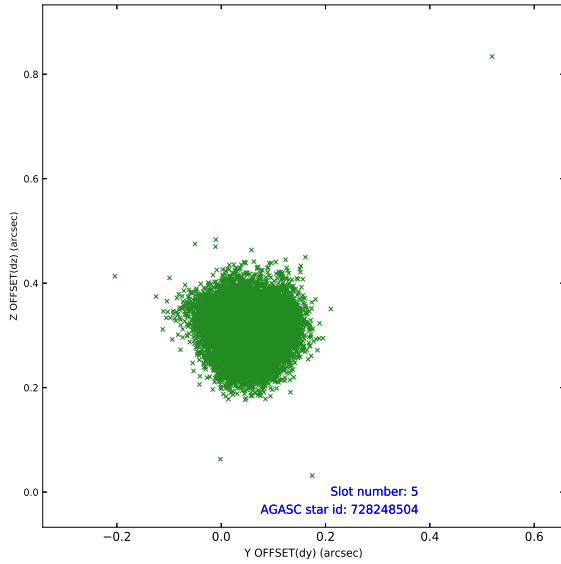
2.4.2 Slot 4



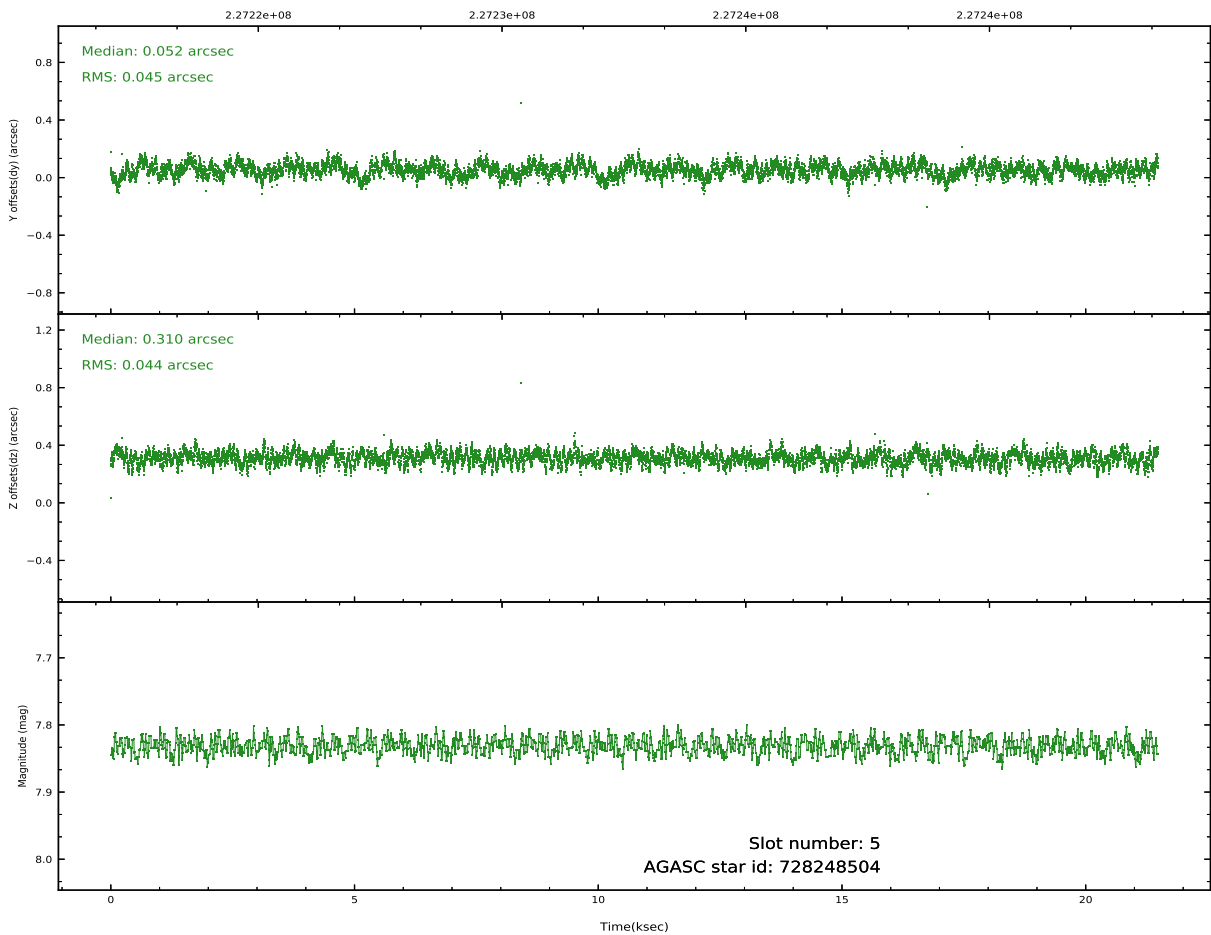
Time (s)



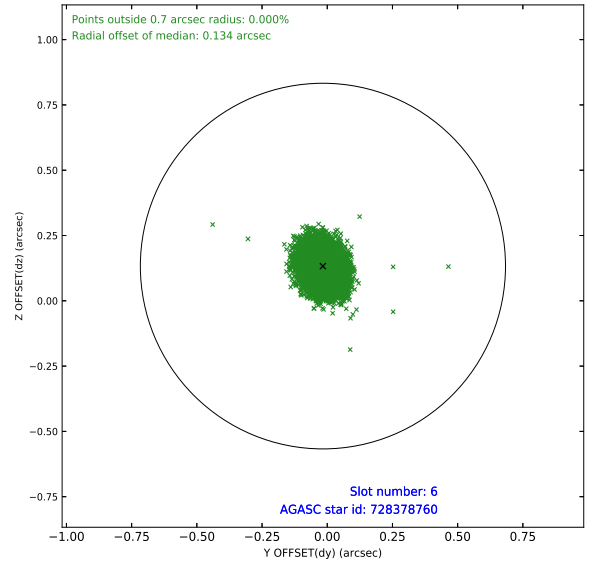
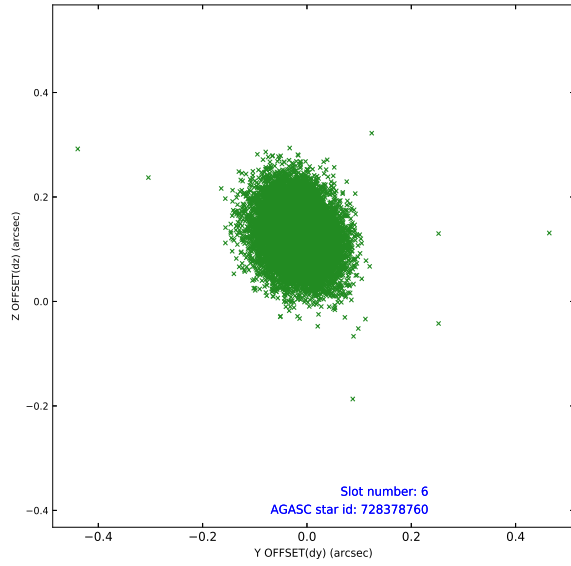
2.4.3 Slot 5



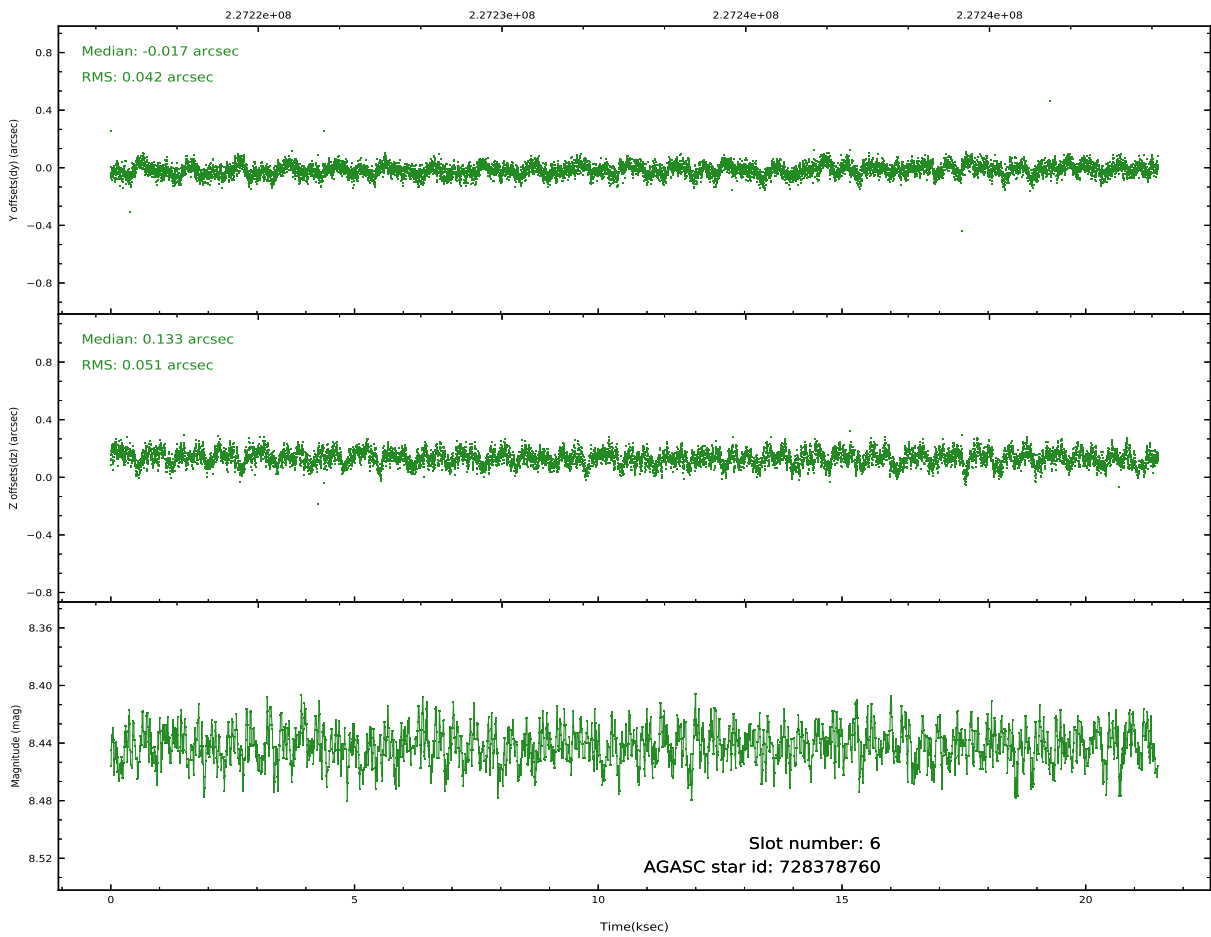
Time (s)



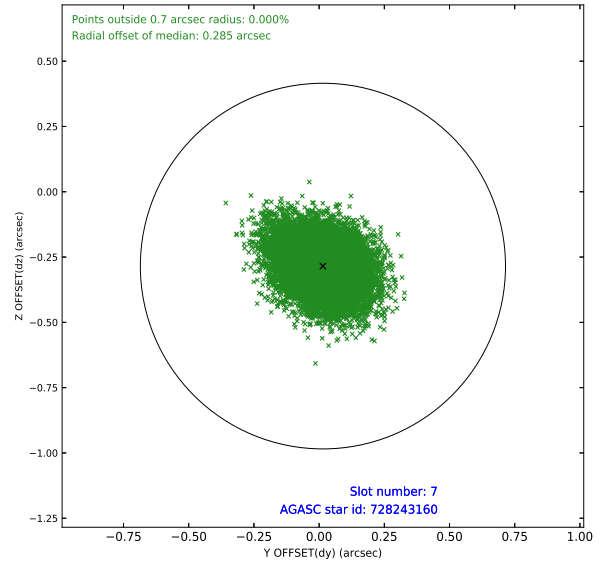
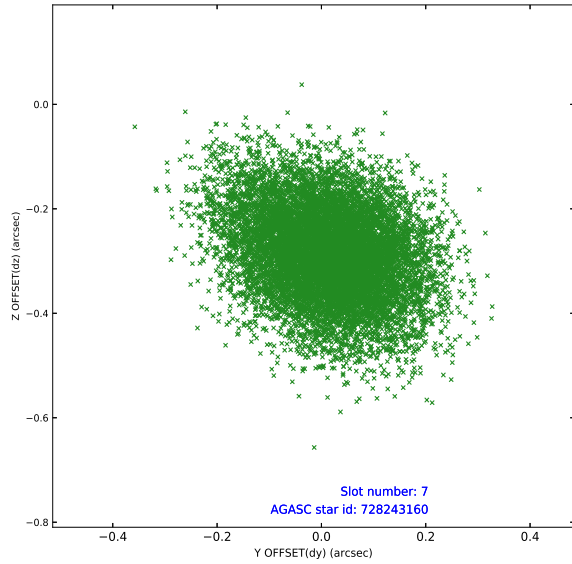
2.4.4 Slot 6



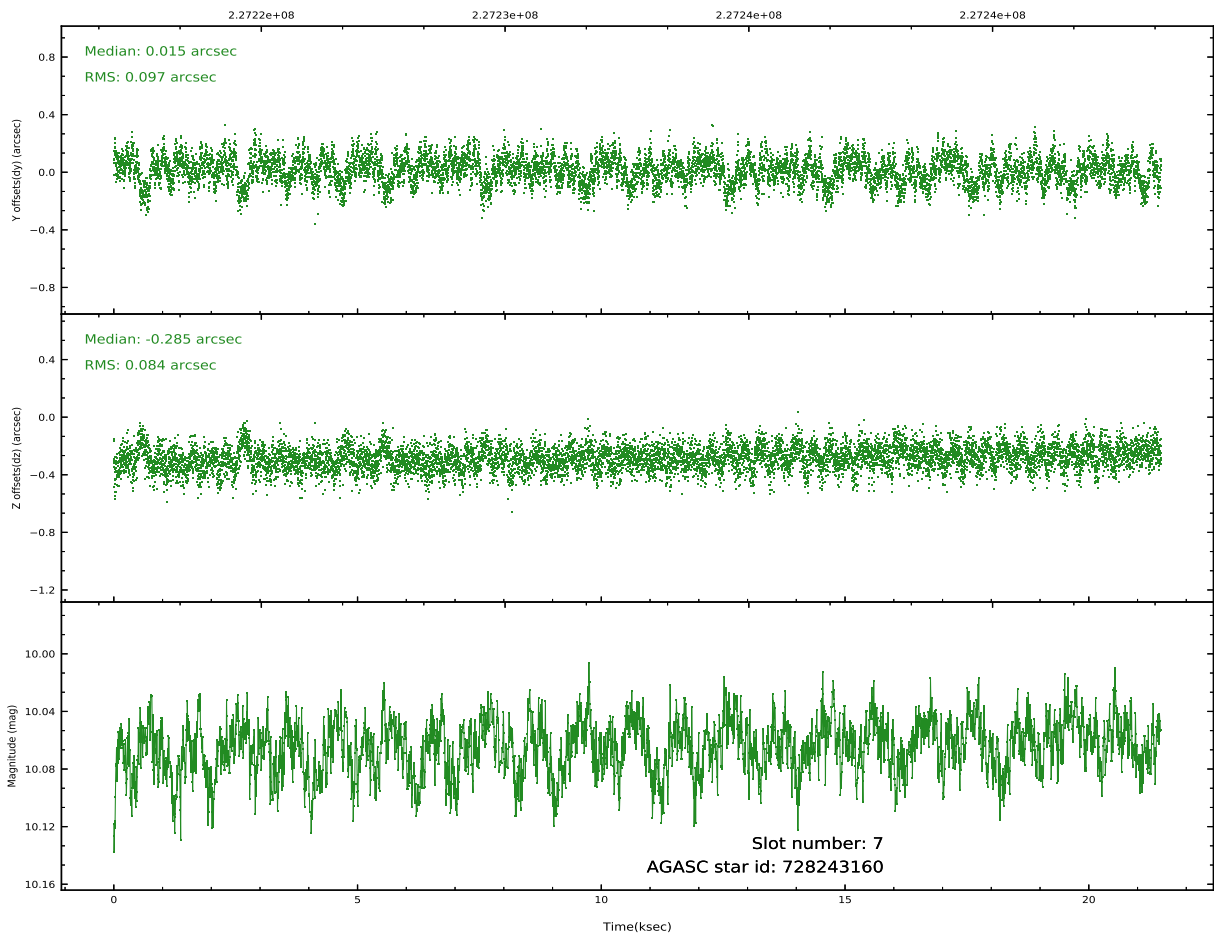
Time (s)



2.4.5 Slot 7

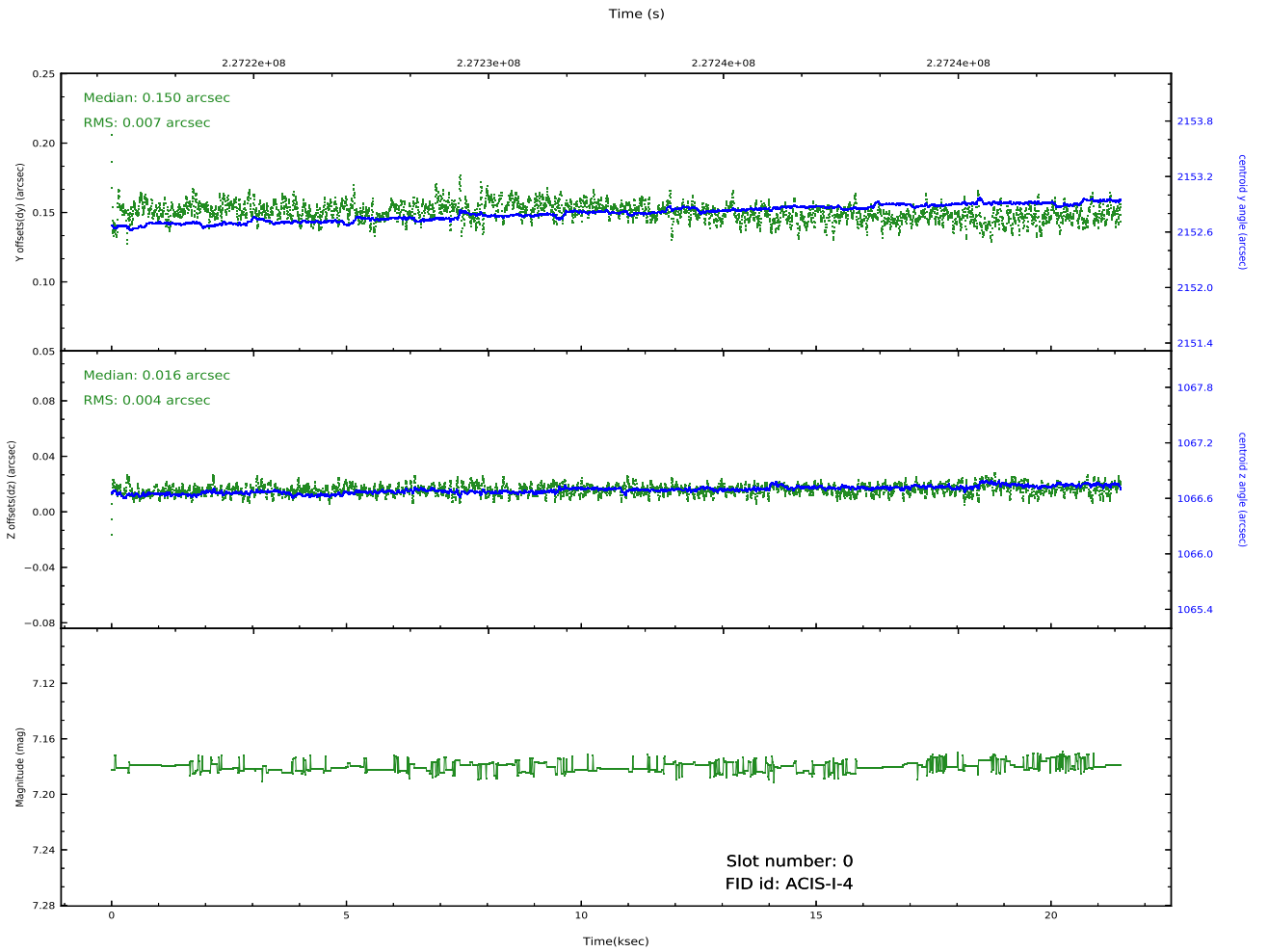
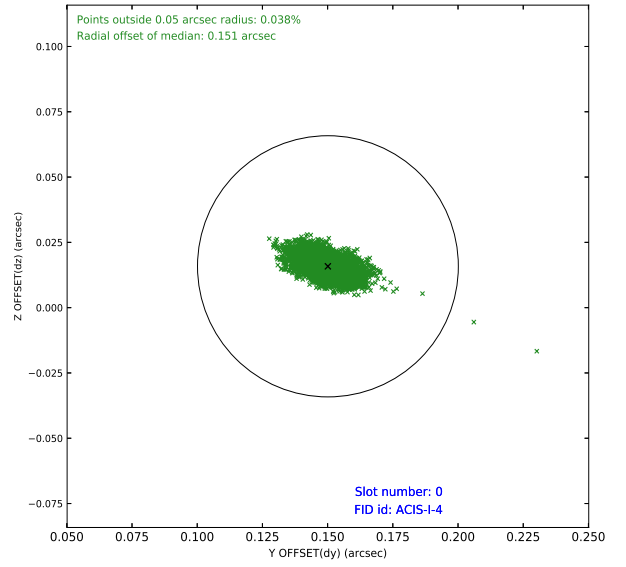
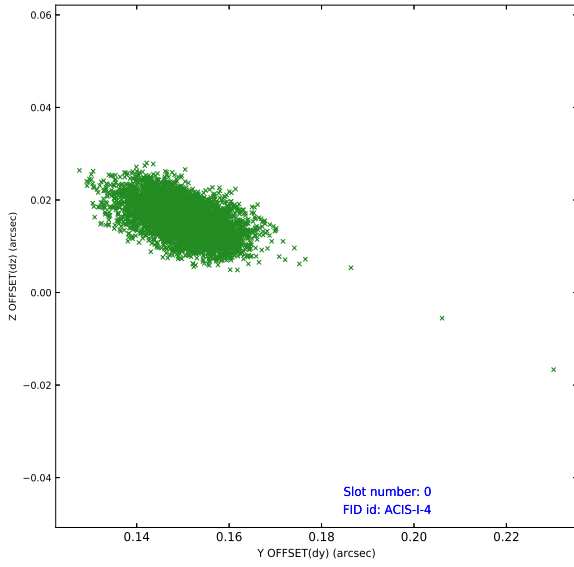


Time (s)

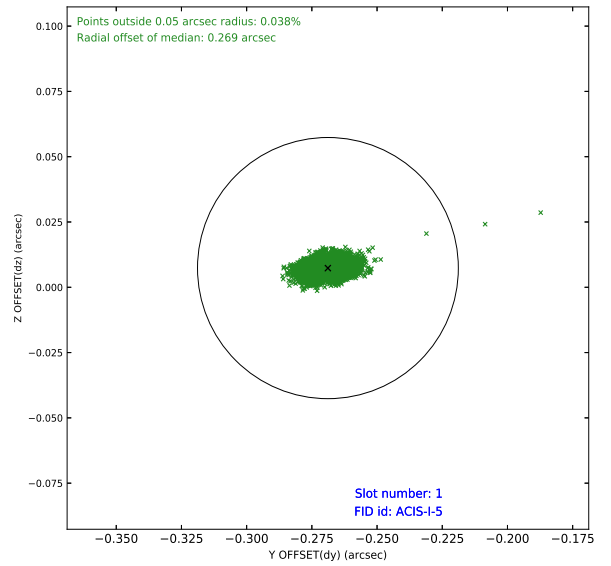
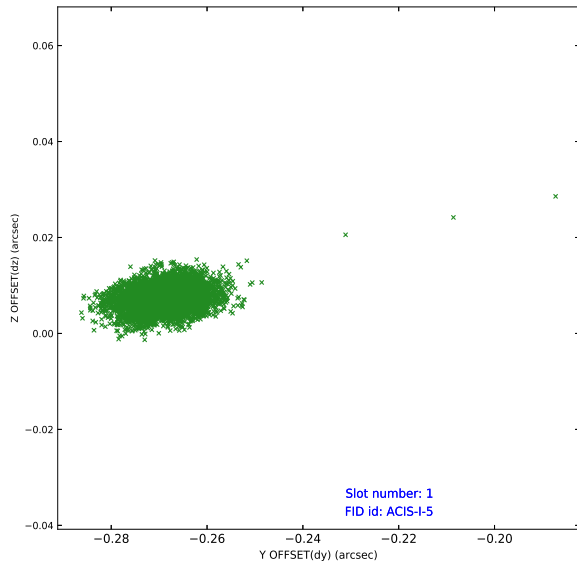


2.5 FID Slots

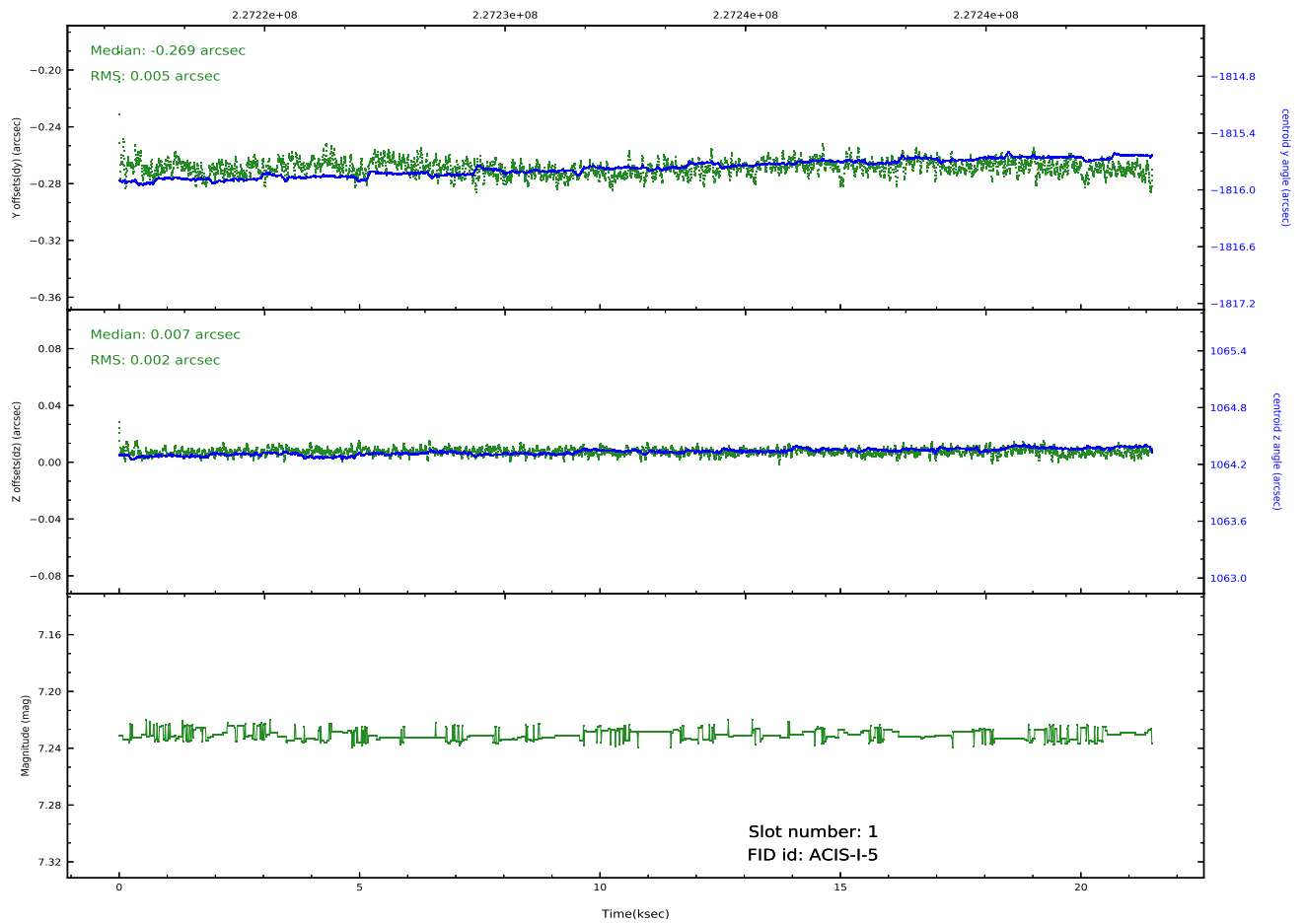
2.5.1 Slot 0



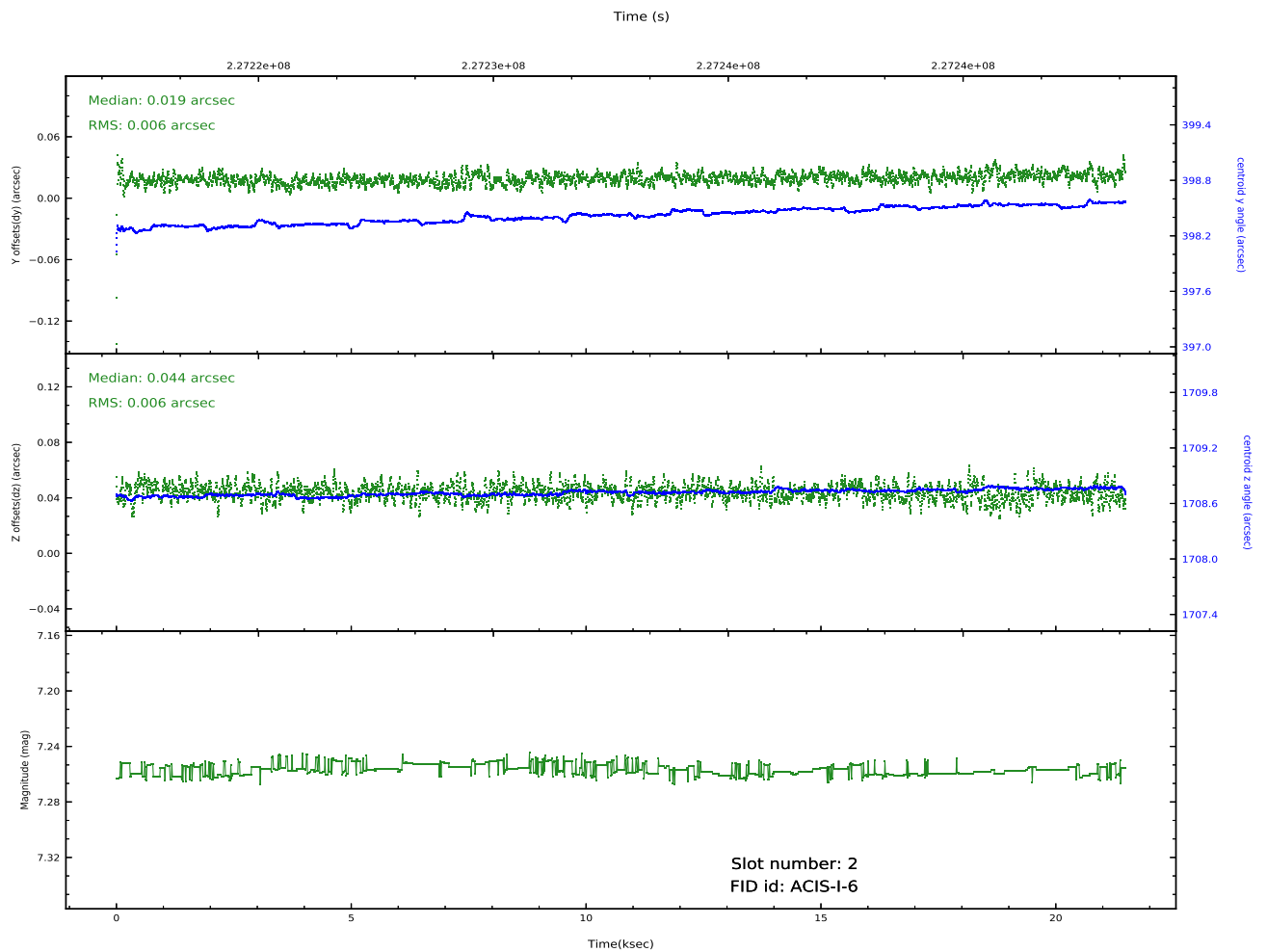
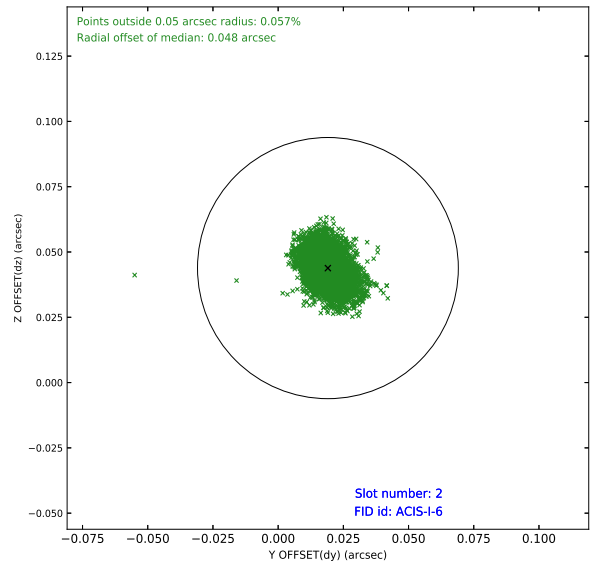
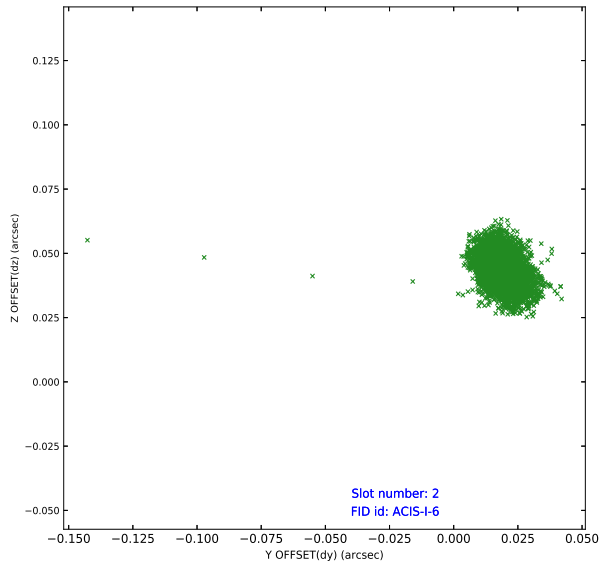
2.5.2 Slot 1



Time (s)



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.10.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	21.47989

A.2 Comments