

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 593 - L2 Version 3
Chandra X-Ray Center

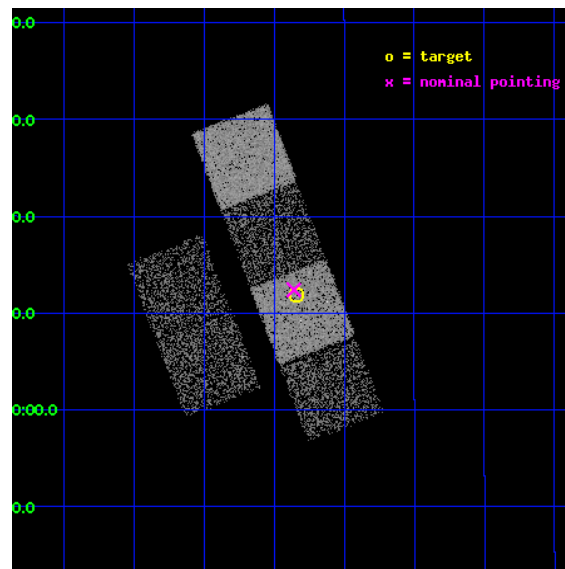
L2 Processing Date : Oct 18 2012

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1 Front

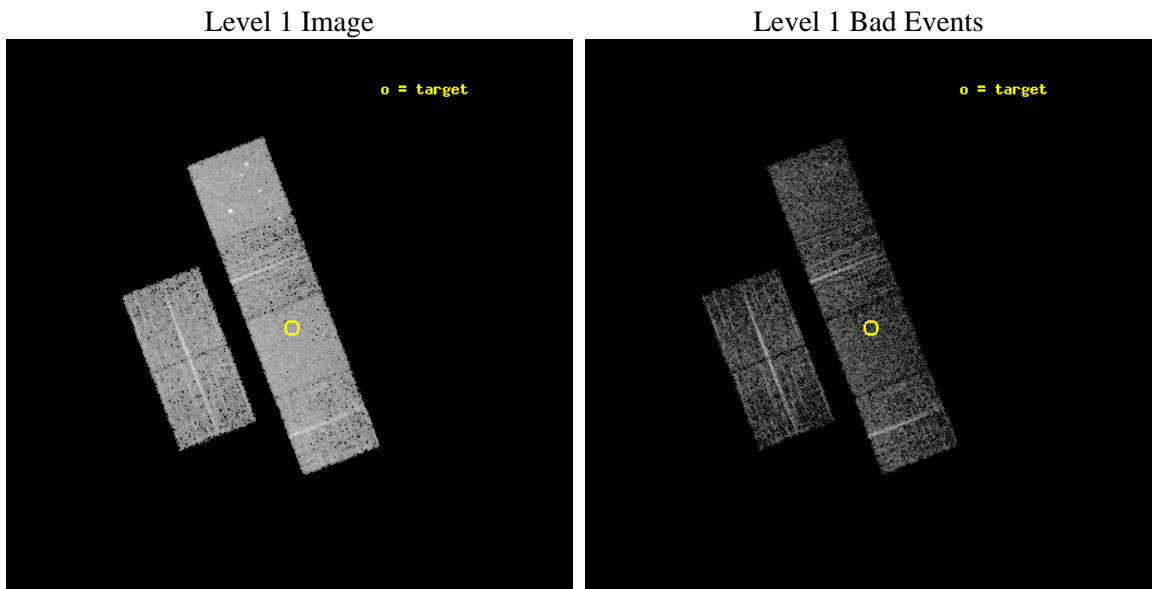
seq_num	100016	Sequence number
obs_id	593	Observation id
title	ASTEROID OBSERVATION	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	1998 WT24	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	121.20955	Observer's specified target RA [deg]
dec_targ	12.19849	Observer's specified target Dec [deg]
ra_nom	121.21472331174	Nominal RA [deg]
dec_nom	12.206916743911	Nominal Dec [deg]
roll_nom	69.08277919905	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3264.0000030249	Sum of GTIs [s]
livetime	3222.6692696418	Livetime [s]
ontime2	3264.0000030249	Sum of GTIs [s]
ontime3	3264.0000030249	Sum of GTIs [s]
ontime5	3264.0000030249	Sum of GTIs [s]
ontime6	3264.0000030249	Sum of GTIs [s]
ontime7	3264.0000030249	Sum of GTIs [s]
ontime8	3264.0000030249	Sum of GTIs [s]
l2events	33498	Number of level 2 events



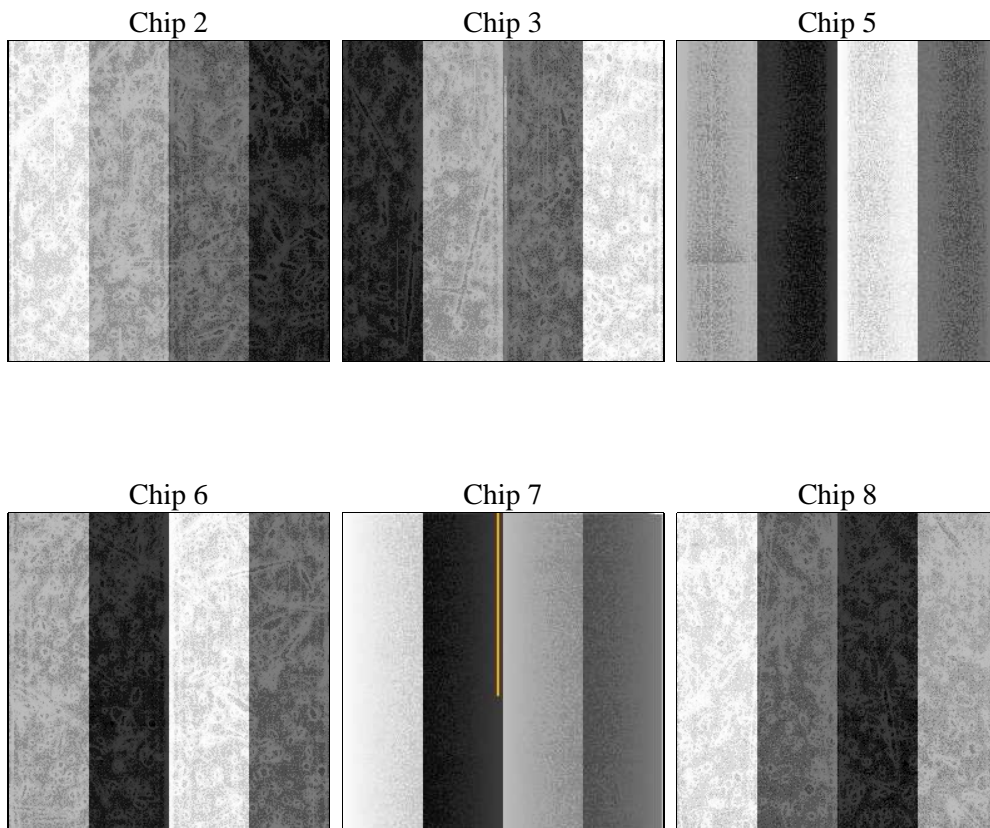
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3300.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	3264.0000030249	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	3264.0000030249	Sum of GTIs [s]
date	2012-10-18T16:53:36	Date and time of file creation	ontime3	3264.0000030249	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	3264.0000030249	Sum of GTIs [s]
			ontime6	3264.0000030249	Sum of GTIs [s]
			ontime7	3264.0000030249	Sum of GTIs [s]
			ontime8	3264.0000030249	Sum of GTIs [s]
			l1events	157962	Number of level 1 events

2.1.4 Events

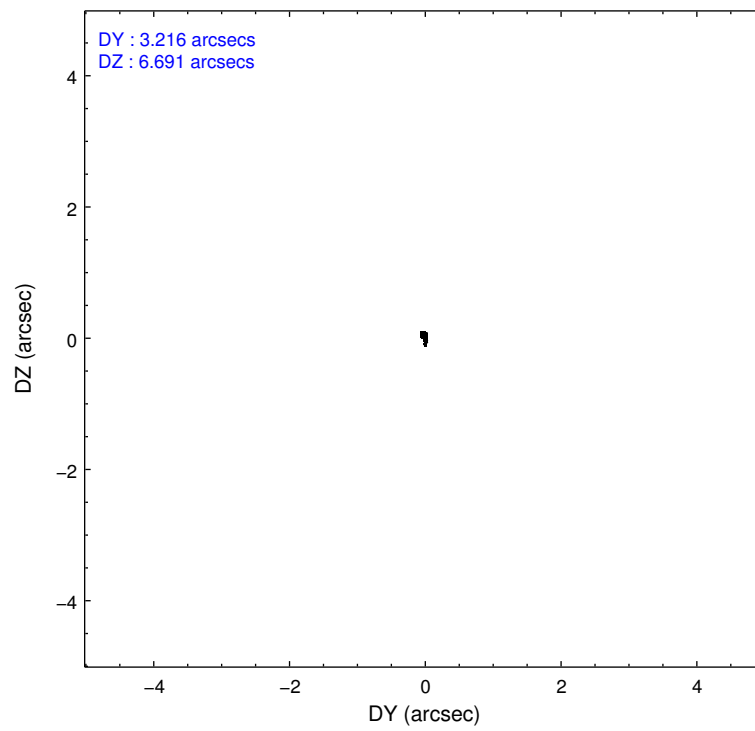
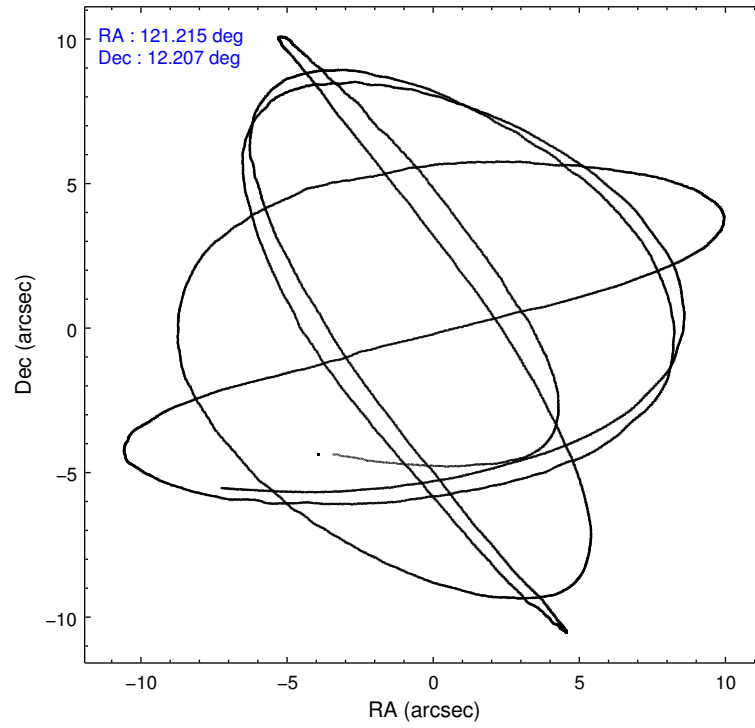
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	22976	22254	32826	23138	29425	27343
rejected events	20588	19735	17832	20604	17547	21819
rejected %	89%	88%	54%	89%	59%	79%

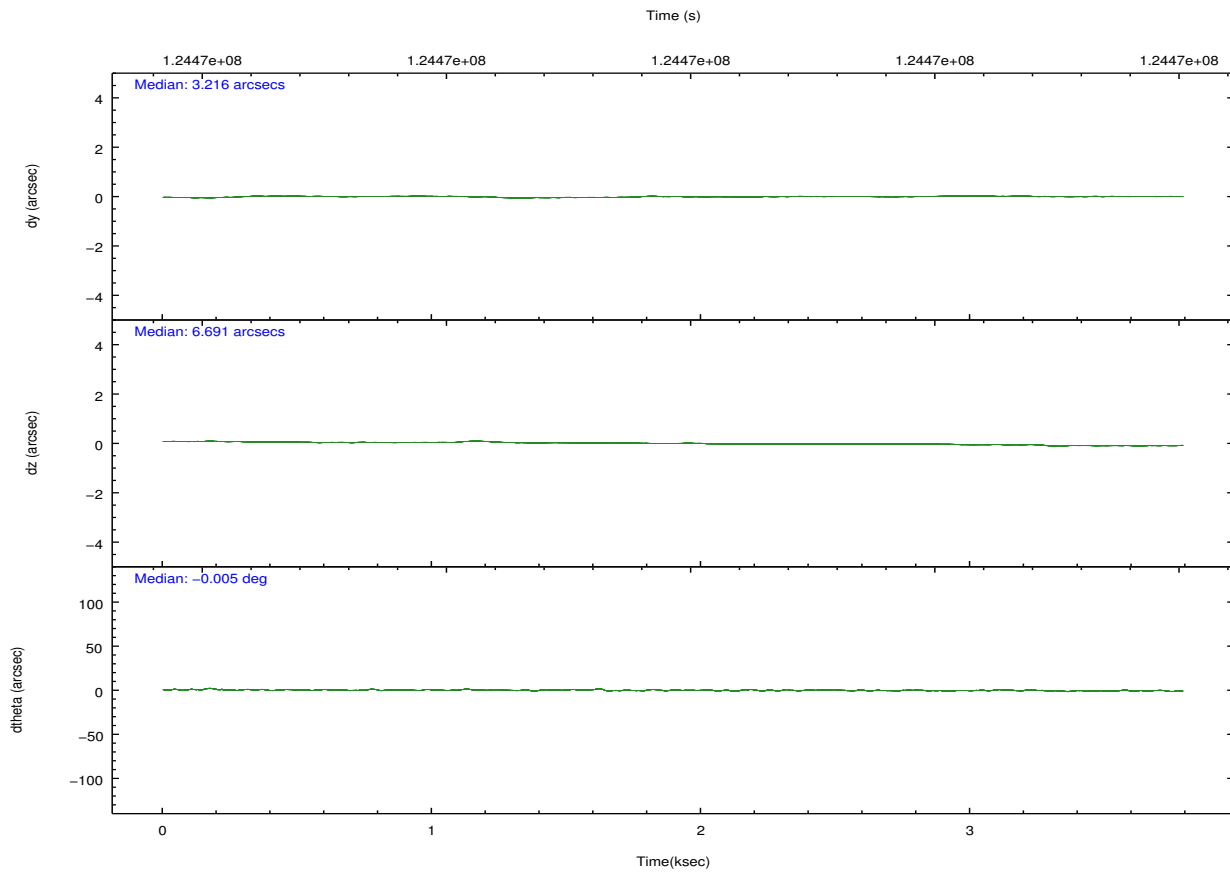
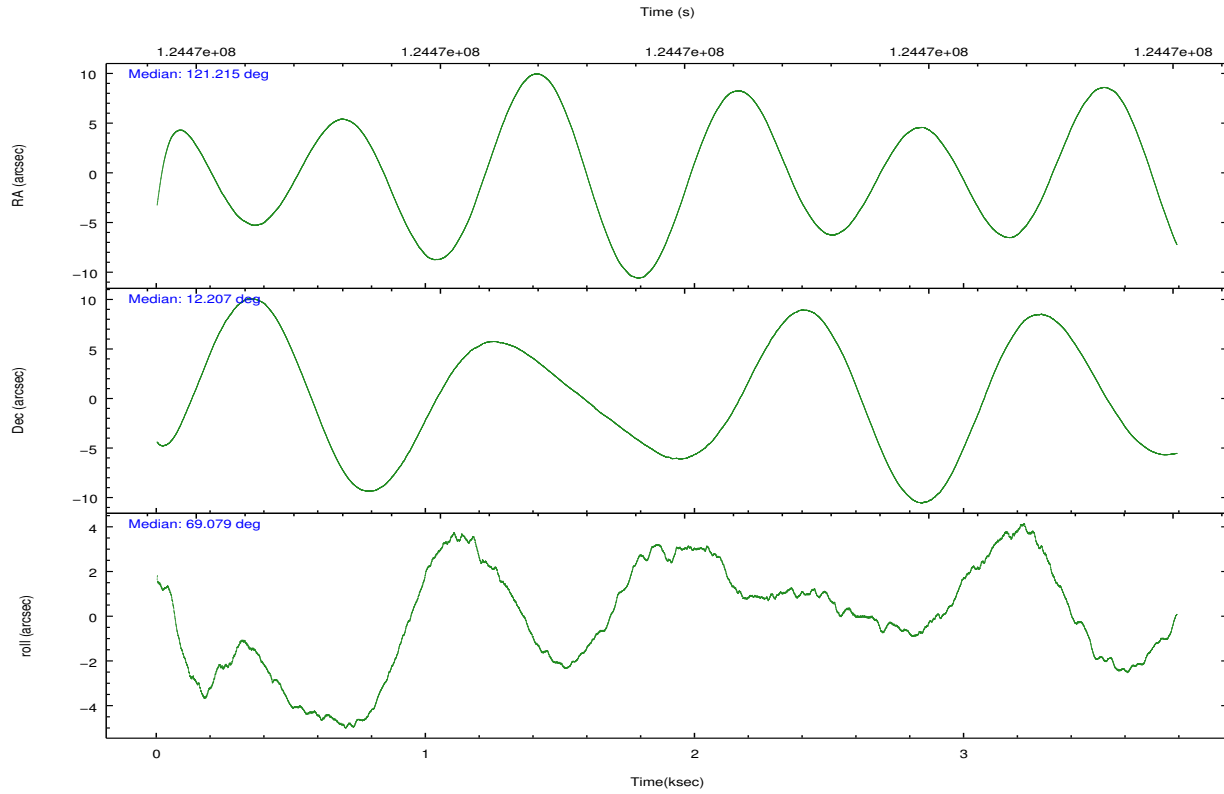
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	1011	1083	2178	1079	1257	1796
	4%	4%	6%	4%	4%	6%
grade 1 events	7	9	42	11	23	16
	0%	0%	0%	0%	0%	0%
grade 2 events	556	516	4576	532	2487	1261
	2%	2%	13%	2%	8%	4%
grade 3 events	245	268	624	255	1156	636
	1%	1%	1%	1%	3%	2%
grade 4 events	239	278	555	258	1153	592
	1%	1%	1%	1%	3%	2%
grade 5 events	786	848	2302	1027	2764	1176
	3%	3%	7%	4%	9%	4%
grade 6 events	440	483	7657	516	6397	1503
	1%	2%	23%	2%	21%	5%
grade 7 events	19692	18769	14892	19460	14188	20363
	85%	84%	45%	84%	48%	74%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	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	121.219423	121.2147233117429	Subarray requested	NONE	NONE
[deg] Pointing Dec	12.179951	12.2069167439111	Alternating exposures requested	N	N
[deg] Pointing Roll	68.925135	69.08277919905026	[s] Primary exposure time	0.000000	3.2
[s] Window start time (MET)	124416064.184000	124416064.184000			
[s] Window stop time (MET)	124480804.184000	124480804.184000			
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	124468525.184000	124467409.30366			
Observation start date	2001-12-11T14:34:21	2001-12-11T14:16:49			
[s] Observation end time (MET)	124471825.184000	124471958.76634			
Observation end date	2001-12-11T15:29:21	2001-12-11T15:32:38			
Read mode	TIMED	TIMED			

2.3 Aspect



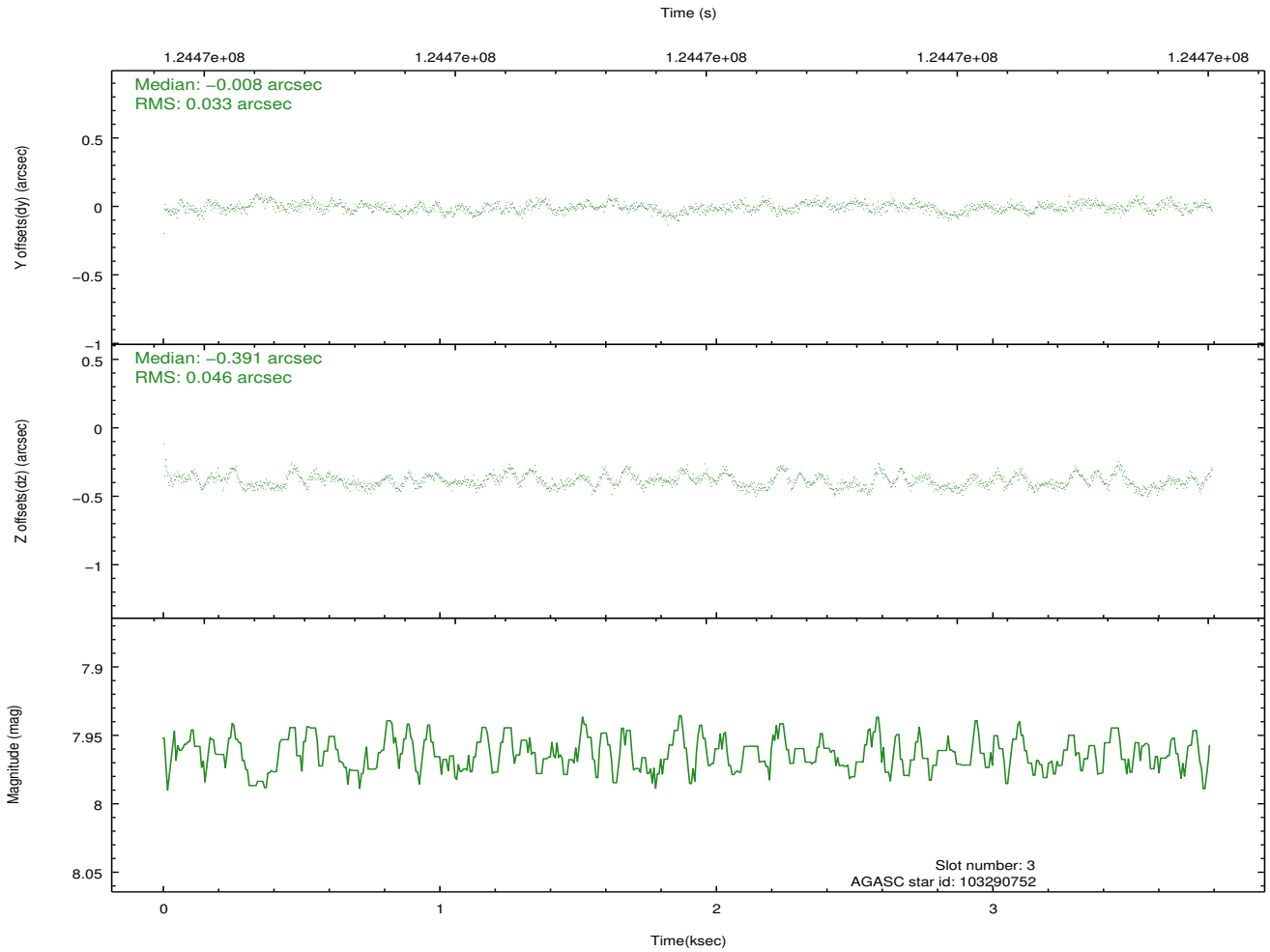
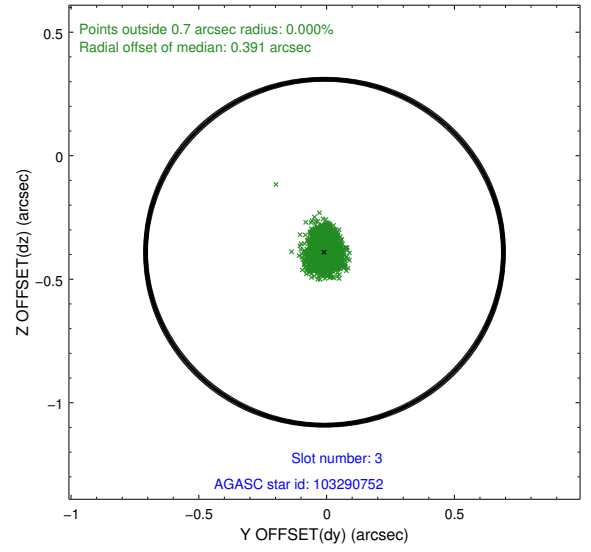
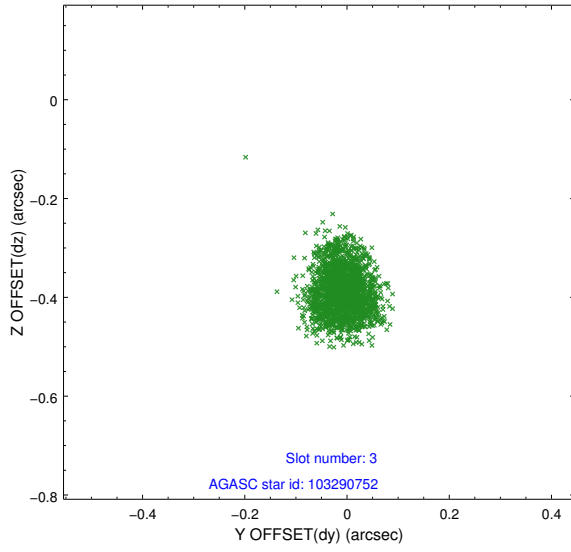


Slot Statistics

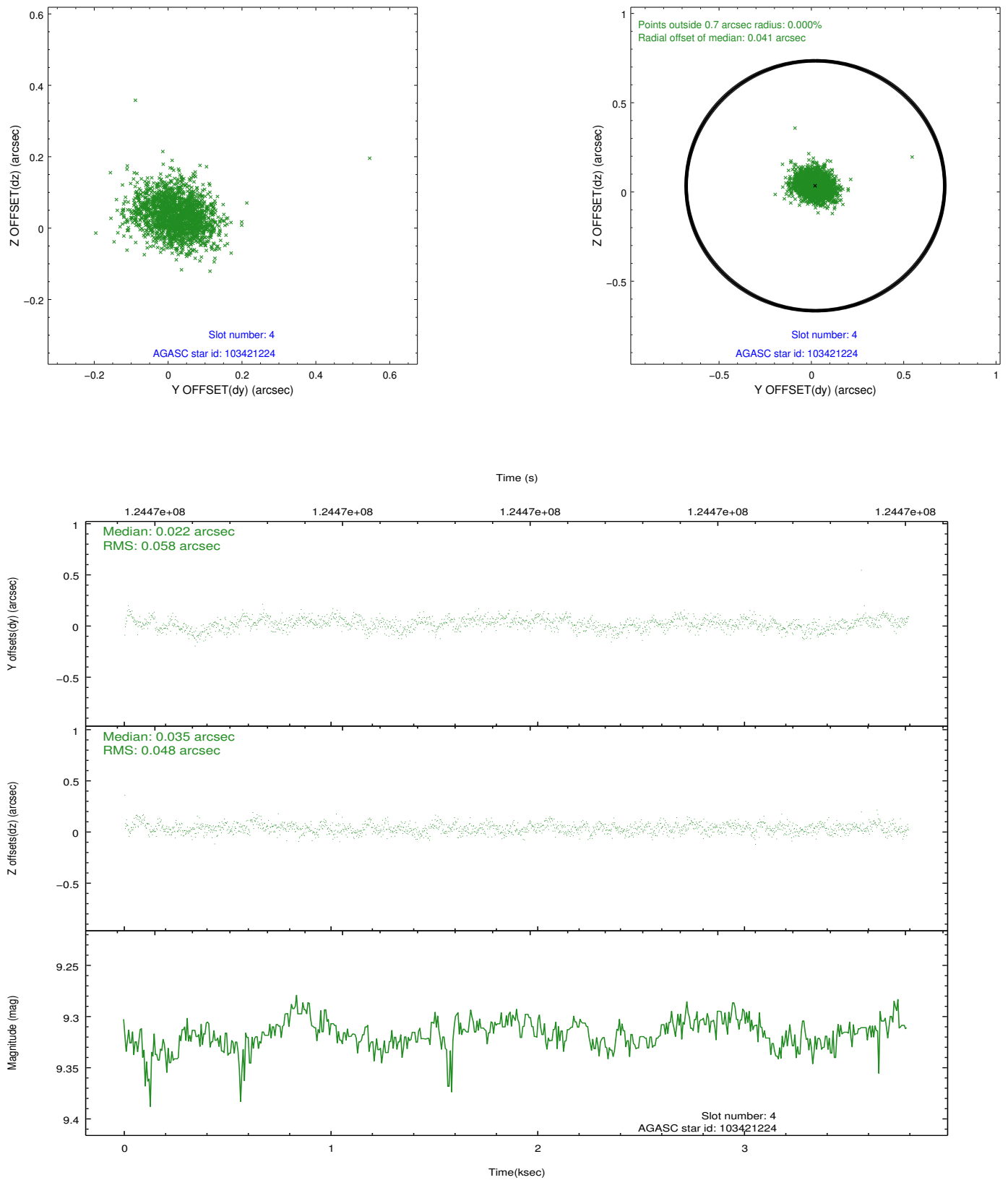
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	924	-0.021	0.011	0.006	0.011	0.000000	0.000000	-755.86	-1727.79
1	FID	ACIS-S-4	7.20	924	-0.017	0.007	0.006	0.010	0.000000	0.000000	2156.65	179.01
2	FID	ACIS-S-5	7.24	925	0.007	-0.010	0.006	0.010	0.000000	0.000000	-1806.56	174.51
3	GUIDE	103290752	7.96	1850	-0.008	-0.391	0.060	0.097	120.637104	12.233484	-555.95	1981.62
4	GUIDE	103421224	9.32	1850	0.022	0.035	0.078	0.127	121.400696	12.500636	1305.35	-177.83
5	GUIDE	103424768	9.00	1848	0.128	0.199	0.064	0.104	121.477286	11.533975	-1842.52	-1684.58
6	GUIDE	103417320	8.82	1848	-0.215	-0.142	0.053	0.083	121.256221	12.700508	1792.98	552.63
7	GUIDE	103423600	9.30	1847	0.072	0.300	0.091	0.146	121.774733	11.805700	-551.44	-2308.87

2.4 Star Slots

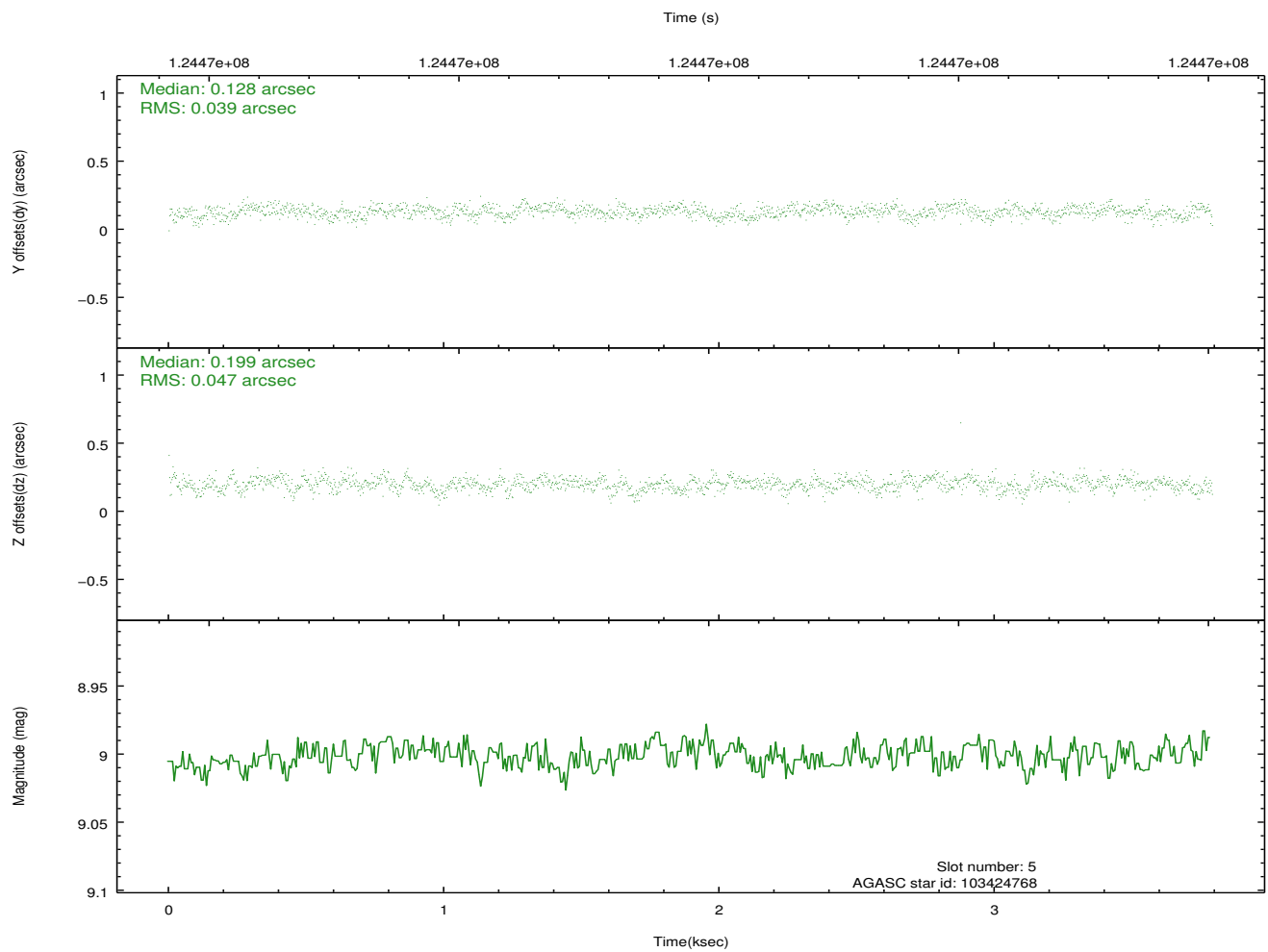
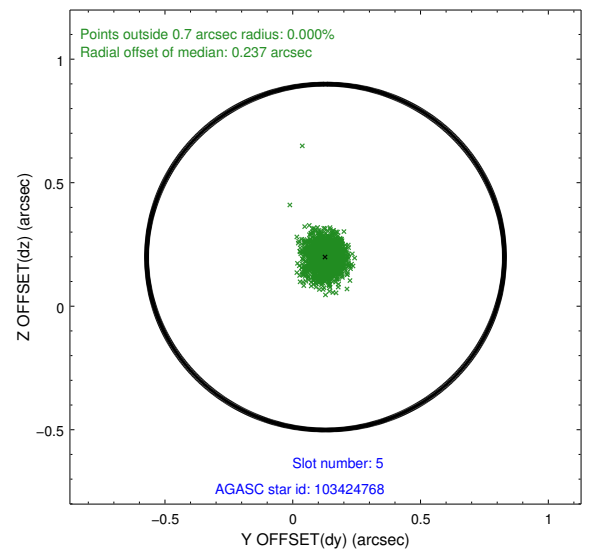
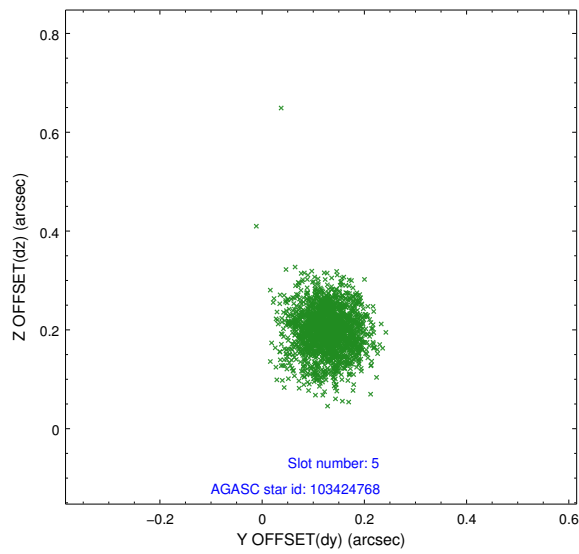
2.4.1 Slot 3



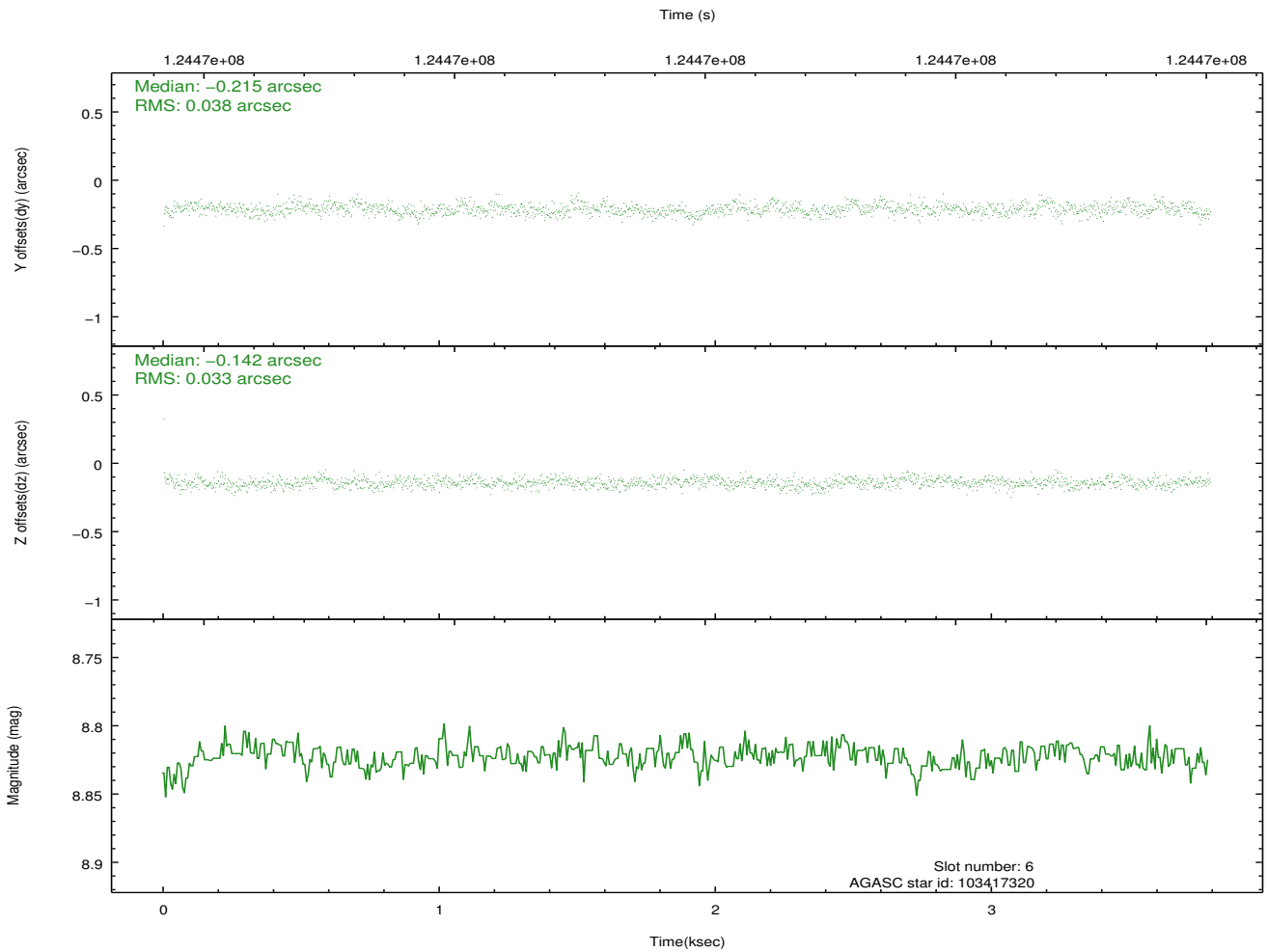
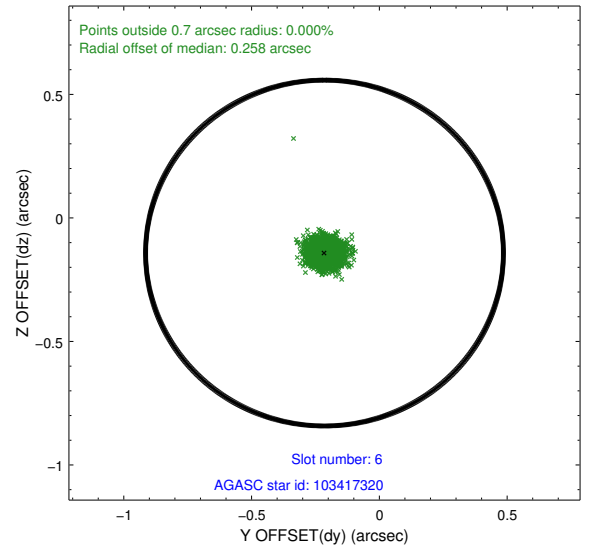
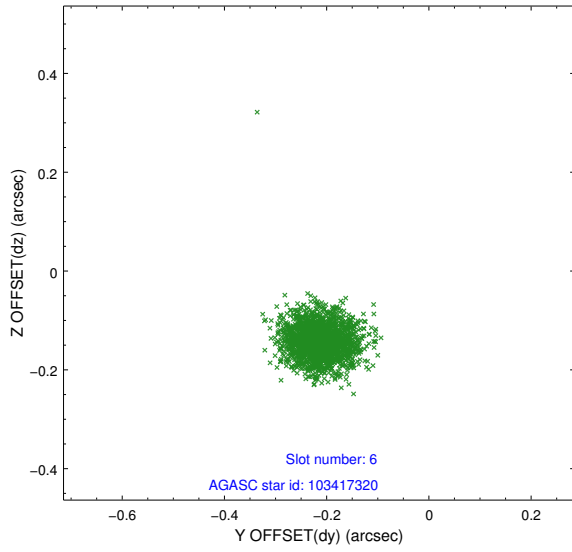
2.4.2 Slot 4



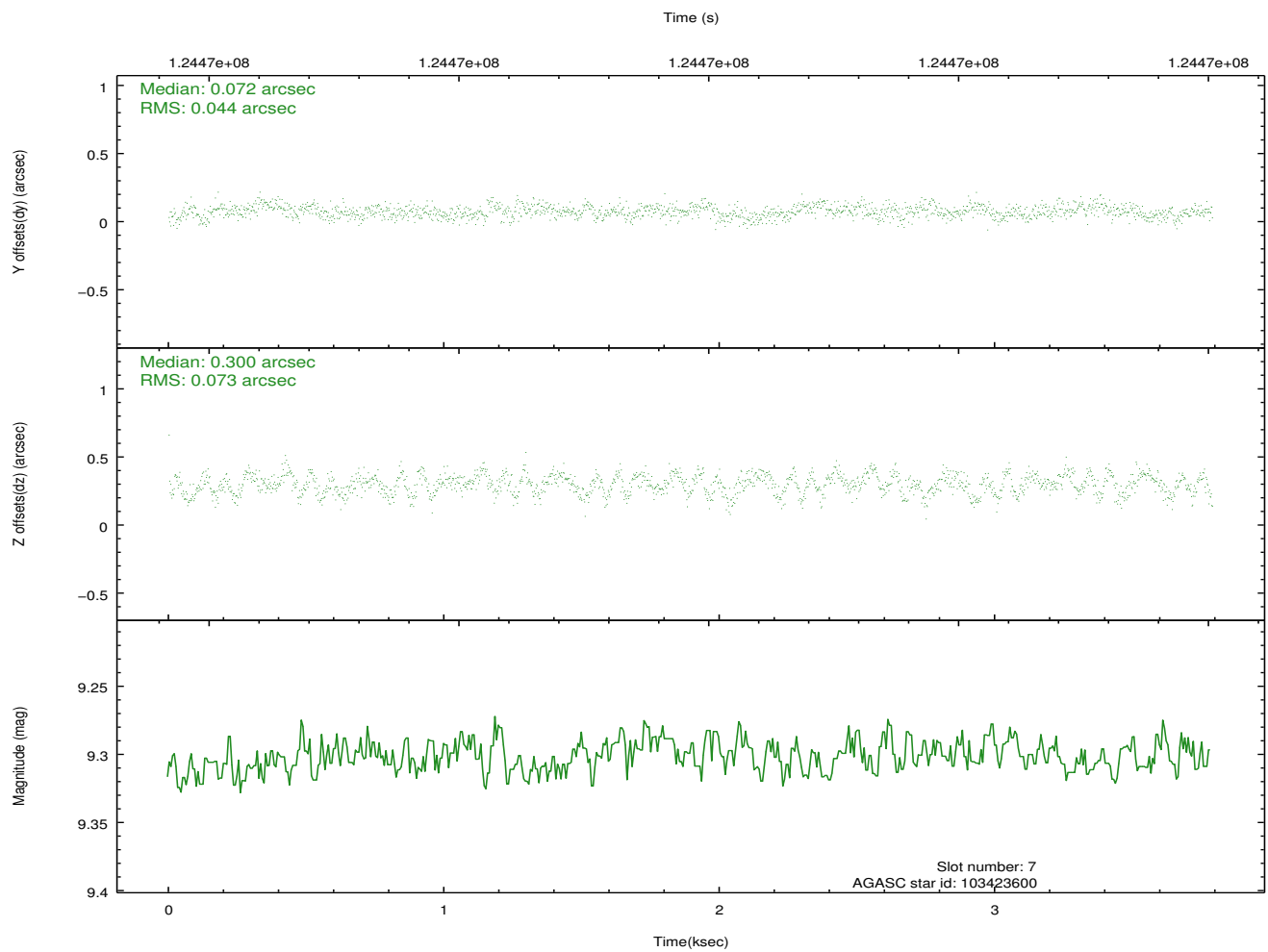
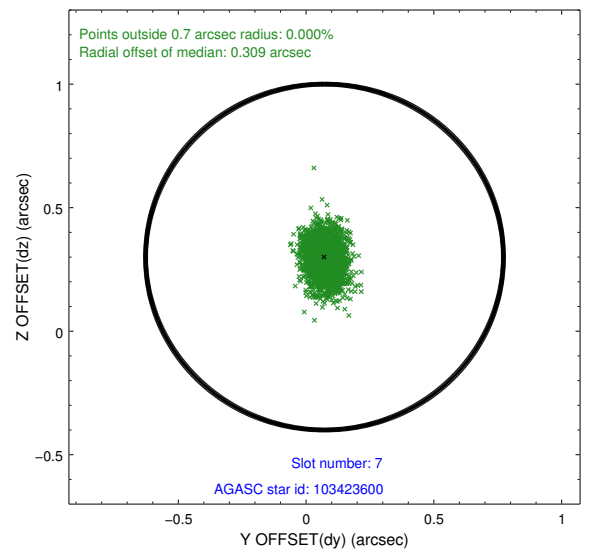
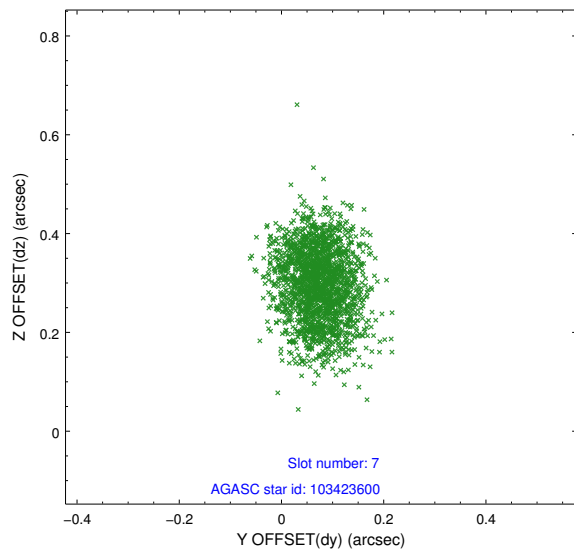
2.4.3 Slot 5



2.4.4 Slot 6

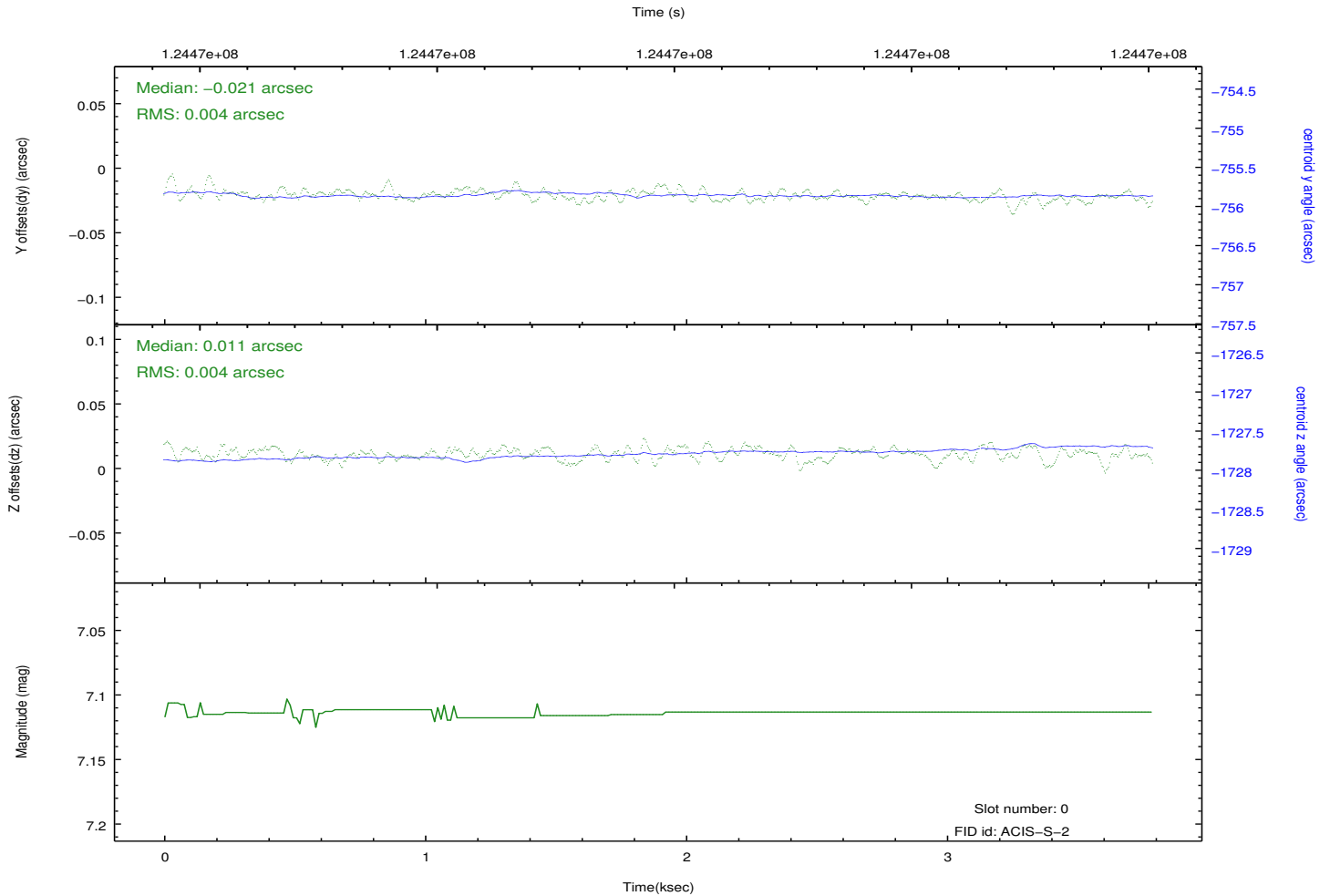
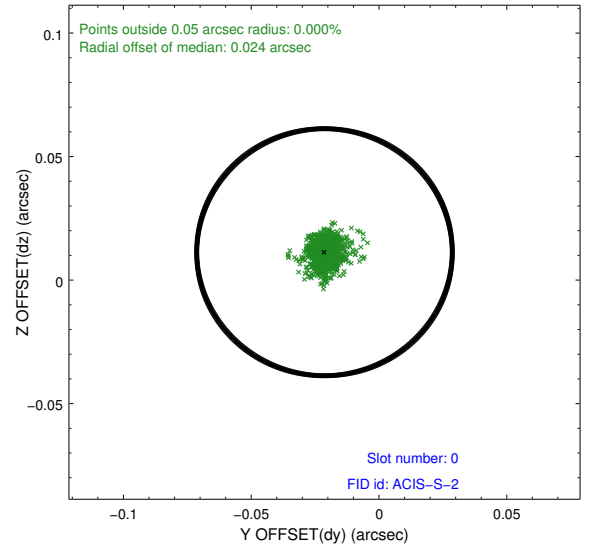
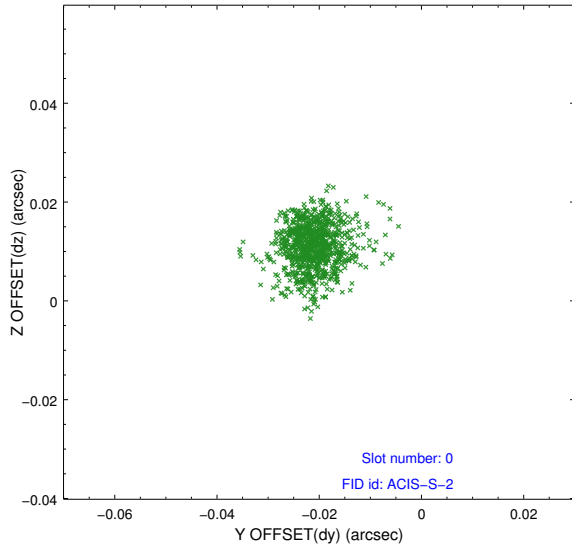


2.4.5 Slot 7

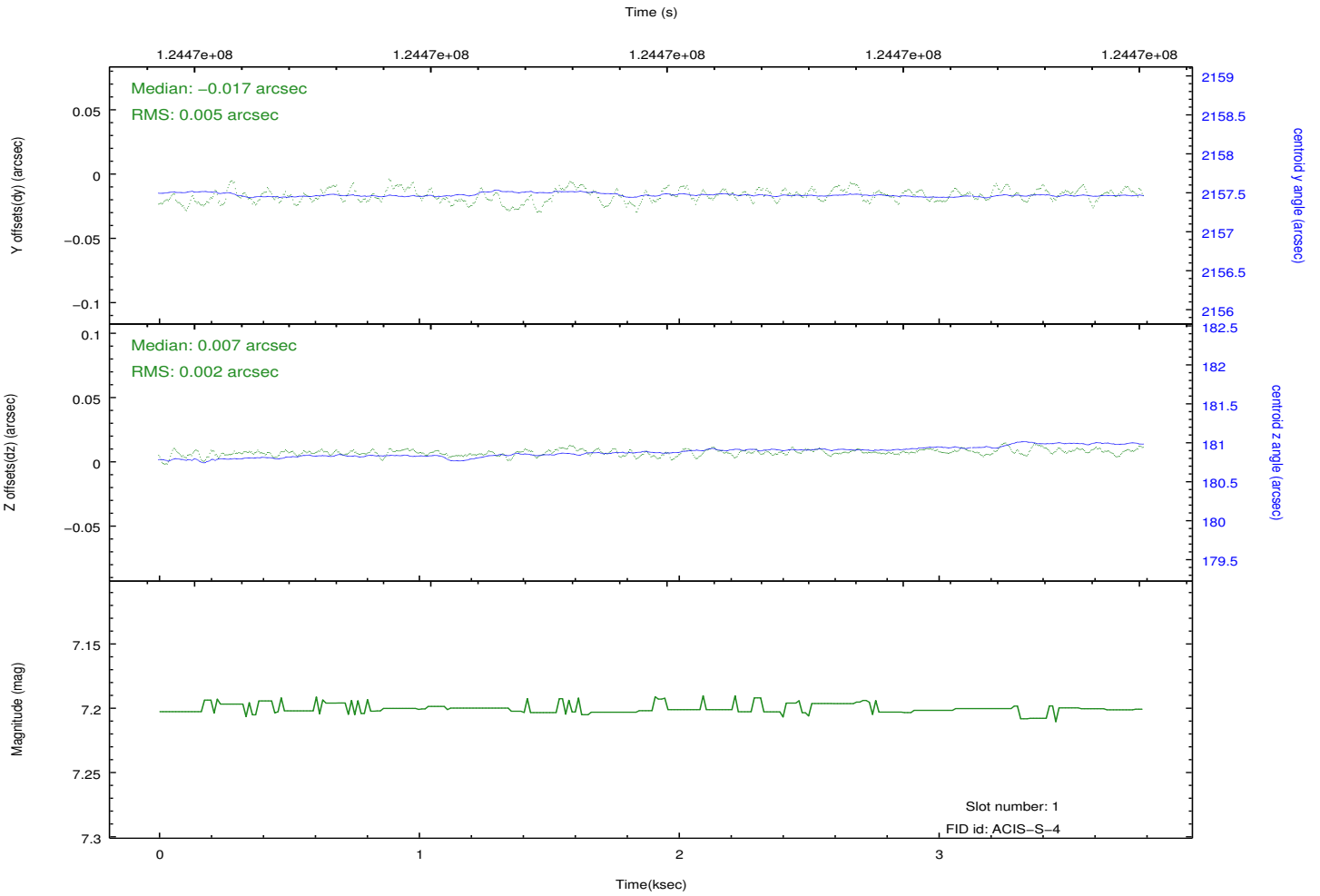
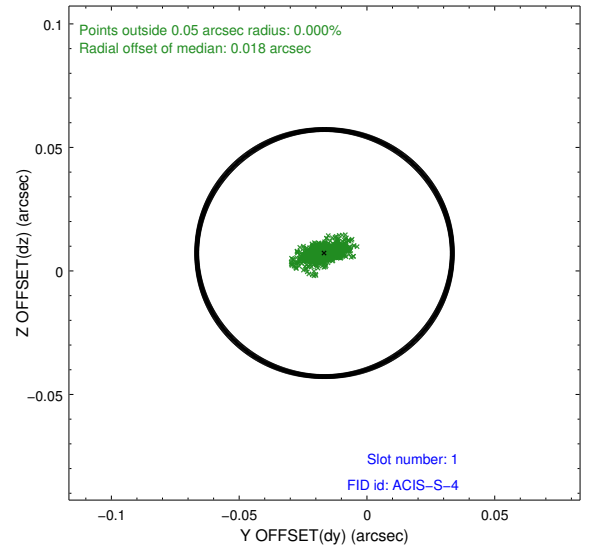
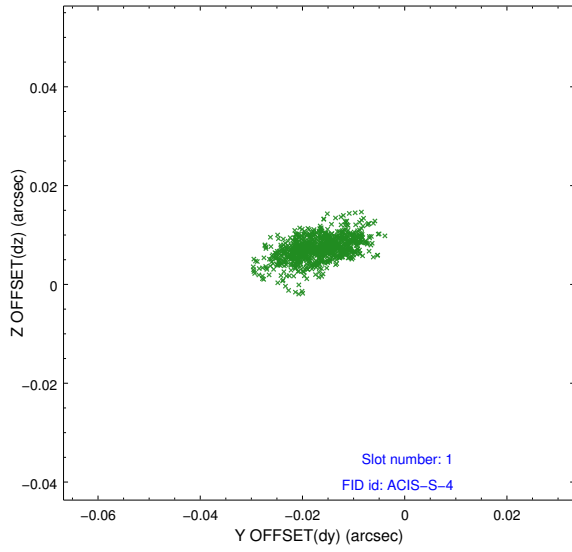


2.5 FID Slots

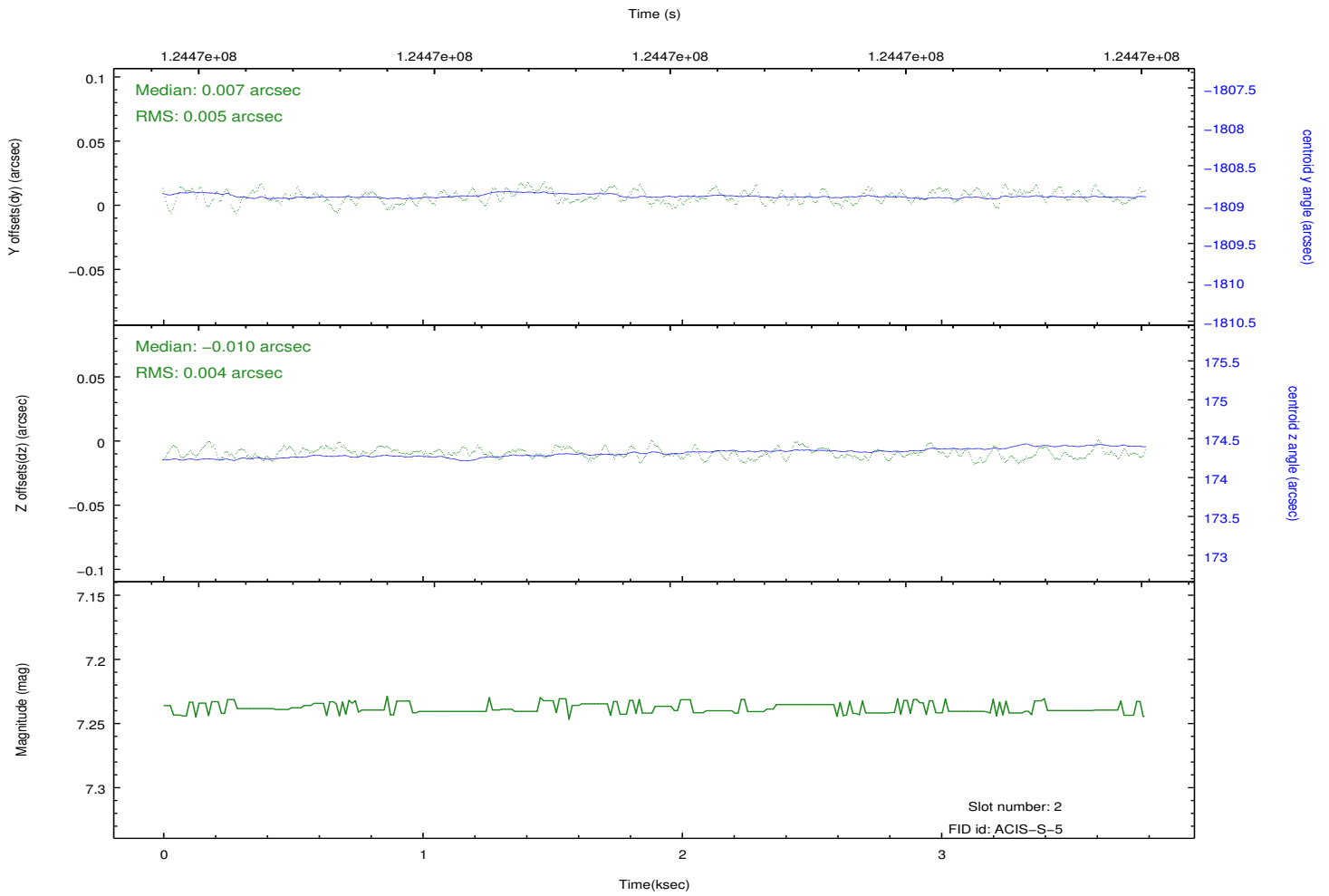
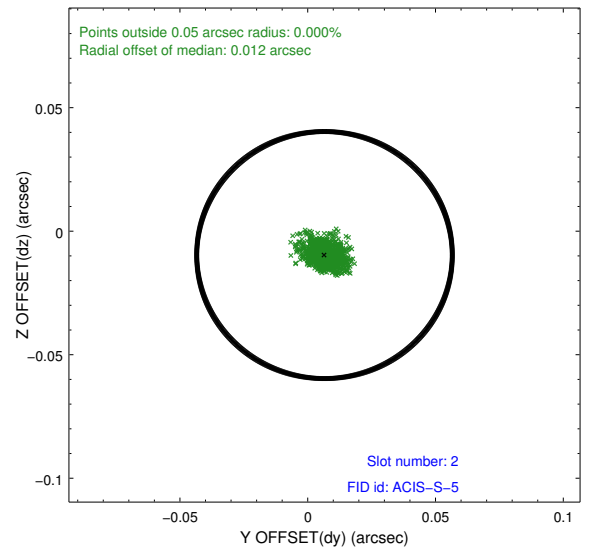
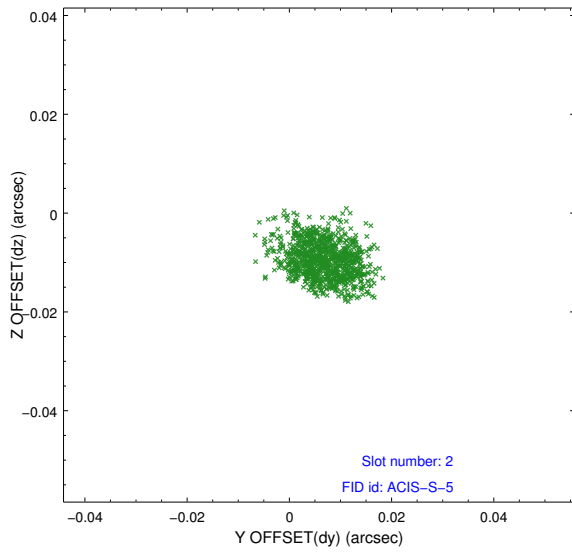
2.5.1 Slot 0



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)	2012.10.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.267

A.2 Comments

Window constraint met.