

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2943 - L2 Version 5
Chandra X-Ray Center

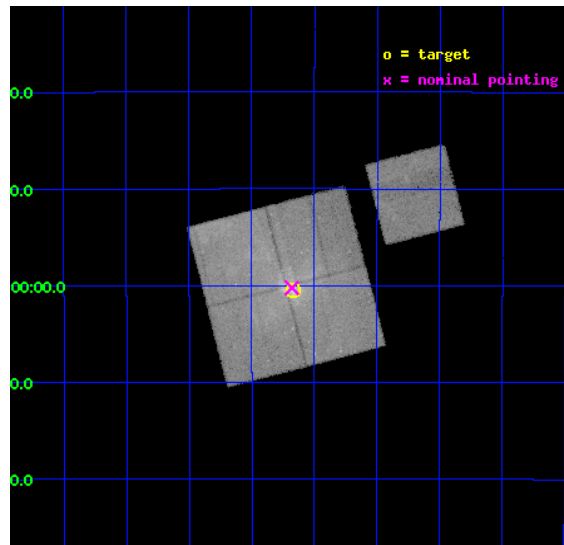
L2 Processing Date : Nov 29 2012

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1 Front

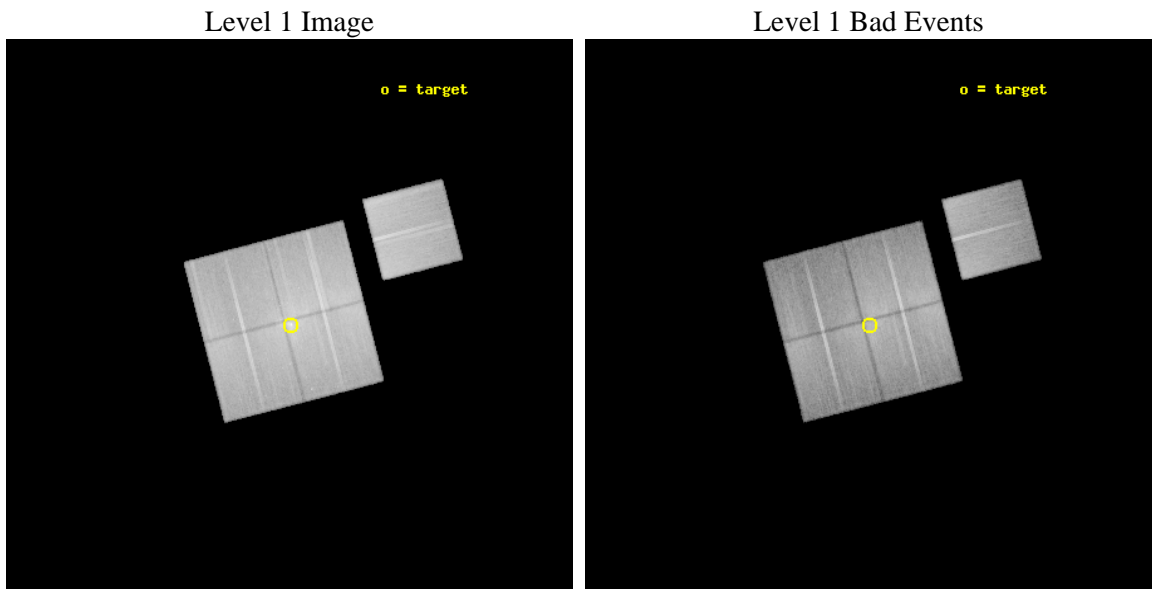
seq_num	600280	Sequence number
obs_id	2943	Observation id
title	MONITORING THE EXTREME X-RAY FLARING OF SAGITTARIUS A* AND A DEEP SURVEY OF THE CENTRAL 40 PC OF THE GALAXY	Proposal title
observer	Dr. Frederick Baganoff	Principal investigator
object	SGR A*	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.416667	Observer's specified target RA [deg]
dec_targ	-29.007778	Observer's specified target Dec [deg]
ra_nom	266.41991367098	Nominal RA [deg]
dec_nom	-29.004060992491	Nominal Dec [deg]
roll_nom	75.510260751828	Nominal Roll [deg]
revision	5	Processing version of data
ontime	38176.499926567	Sum of GTIs [s]
livetime	37677.695849896	Livetime [s]
ontime0	38176.499926567	Sum of GTIs [s]
ontime1	38173.358926415	Sum of GTIs [s]
ontime2	38176.499926567	Sum of GTIs [s]
ontime3	38176.499926567	Sum of GTIs [s]
ontime6	38176.499926567	Sum of GTIs [s]
l2events	343695	Number of level 2 events



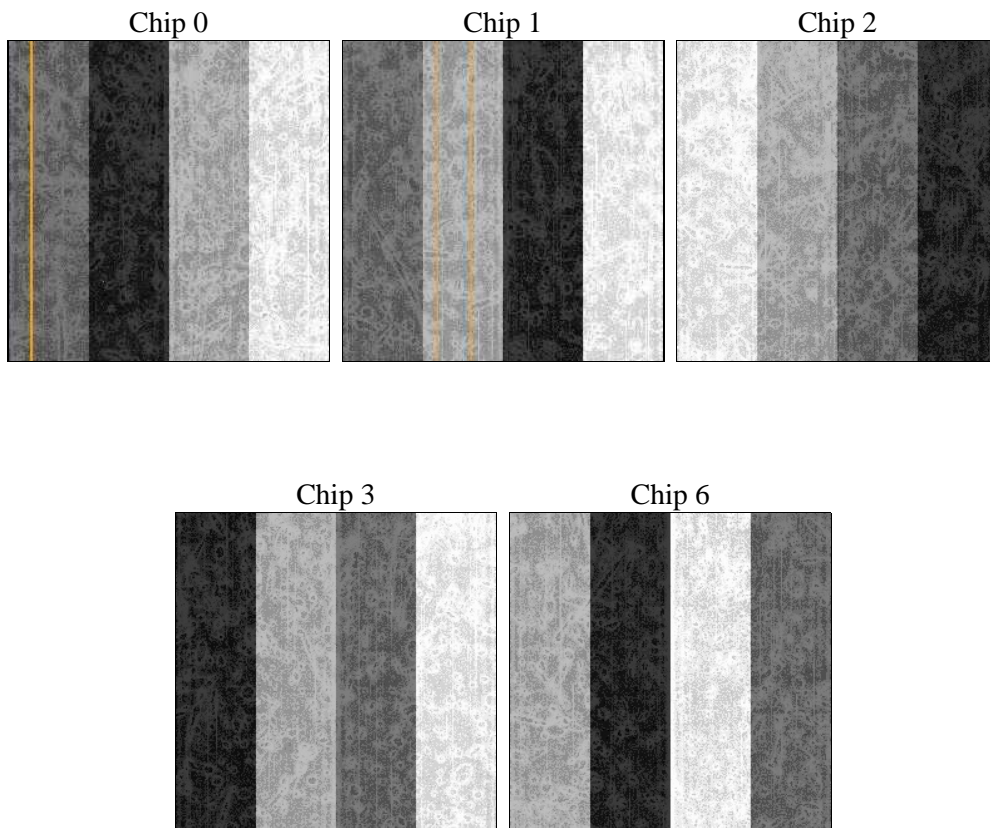
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	171208.976000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	38176.499926567	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	38176.499926567	Sum of GTIs [s]
date	2012-11-29T16:13:09	Date and time of file creation	ontime1	38173.358926415	Sum of GTIs [s]
revision	5	Processing version of data	ontime2	38176.499926567	Sum of GTIs [s]
			ontime3	38176.499926567	Sum of GTIs [s]
			ontime6	38176.499926567	Sum of GTIs [s]
			l1events	2357507	Number of level 1 events

2.1.4 Events

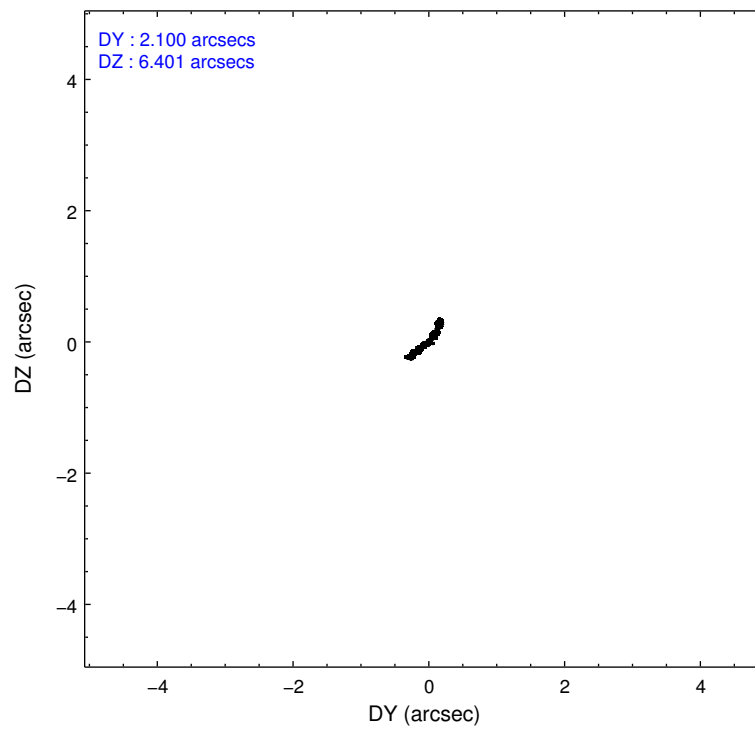
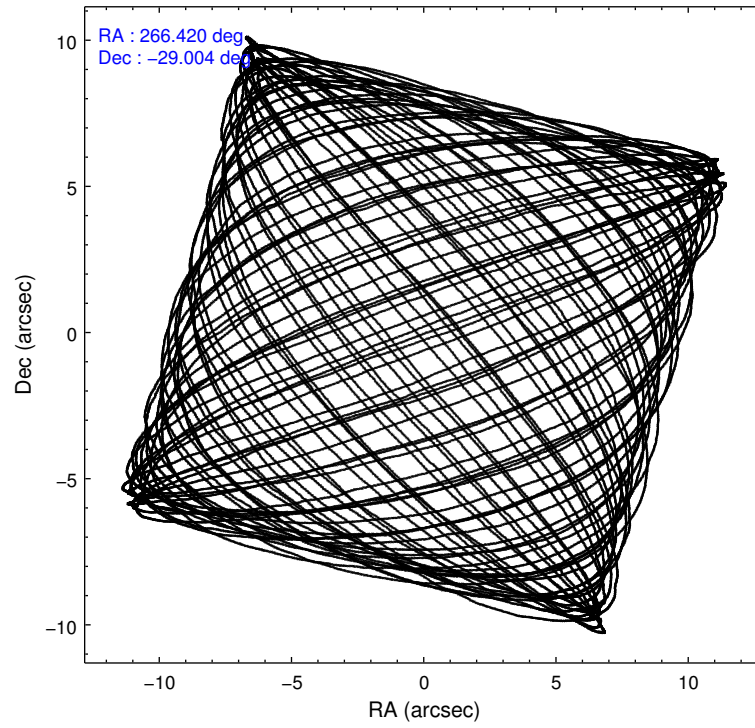
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	416683	429884	523994	500227	486719
rejected events	304313	347723	423257	414688	423383
rejected %	73%	80%	80%	82%	86%

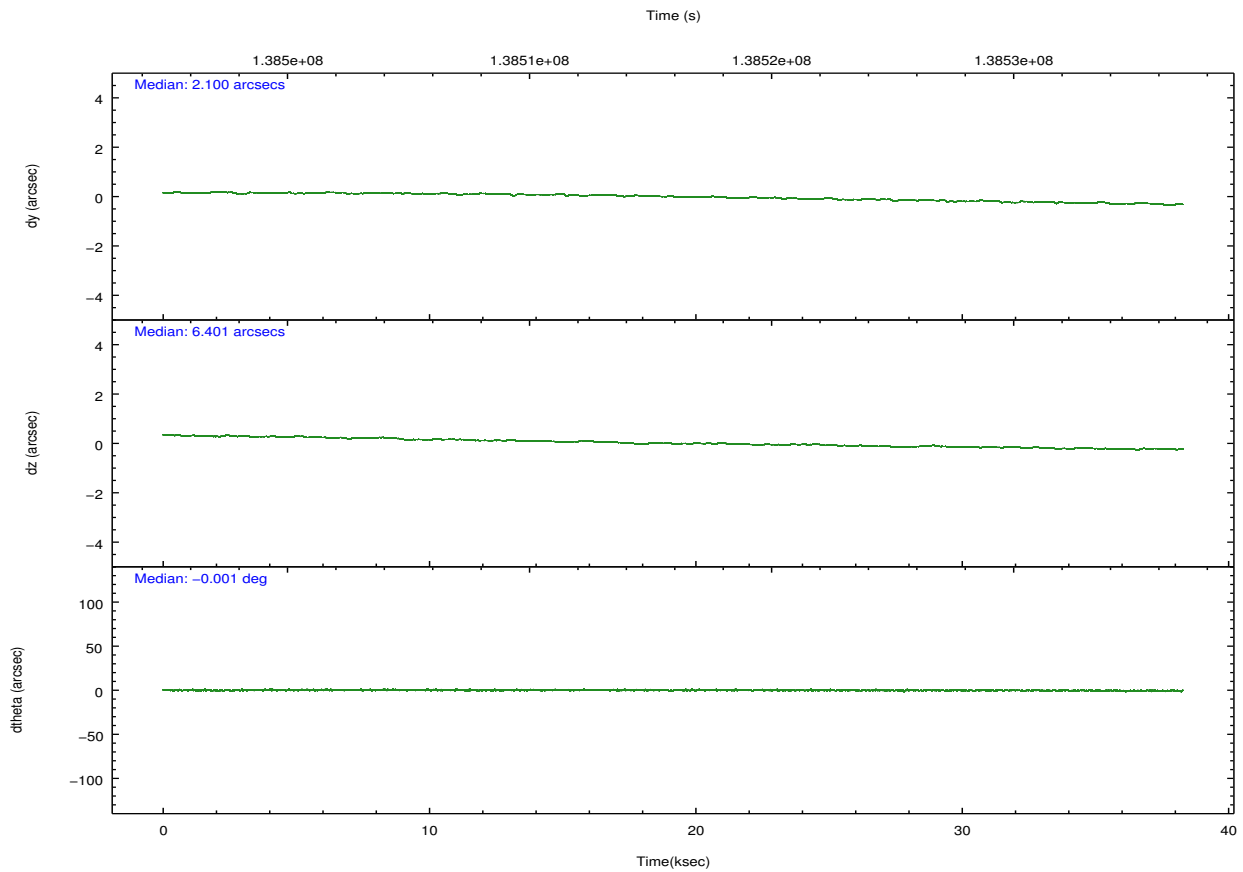
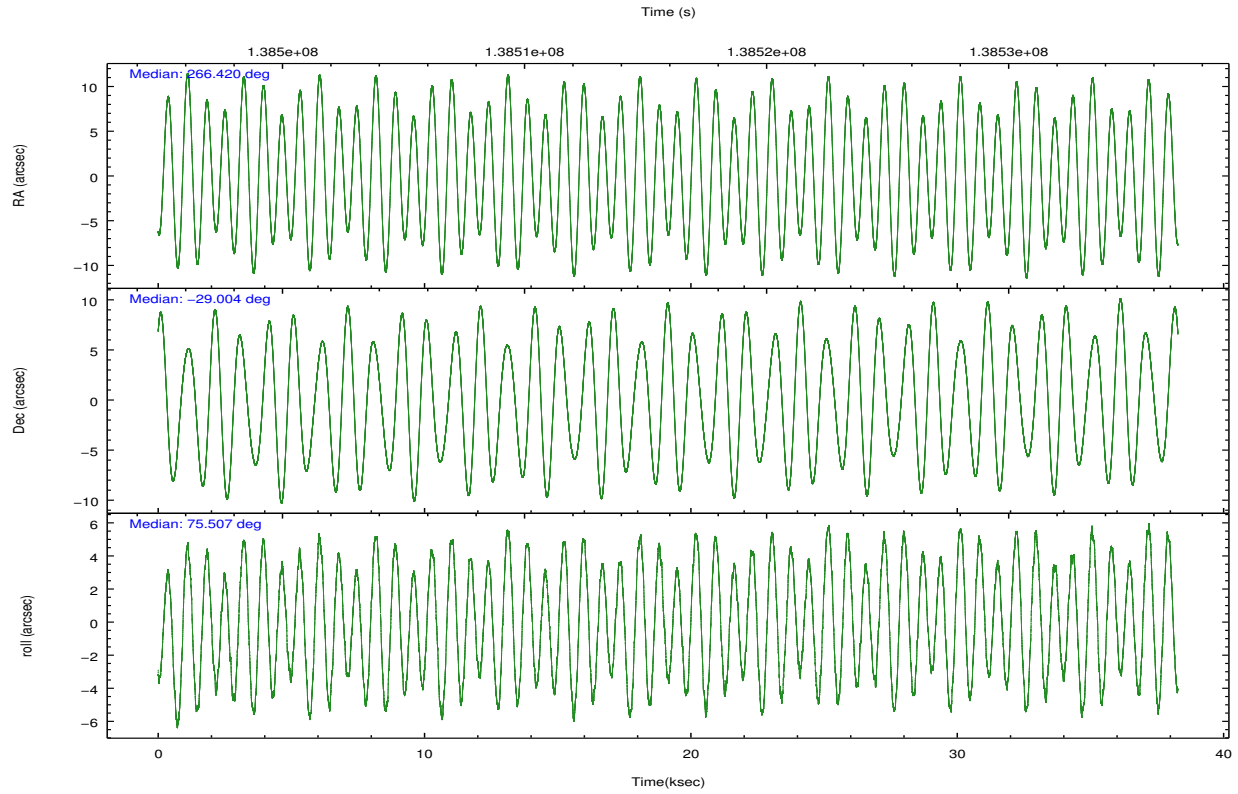
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	60809	40793	50202	45126	27263
	14%	9%	9%	9%	5%
grade 1 events	391	292	396	298	270
	0%	0%	0%	0%	0%
grade 2 events	27870	18933	28204	18180	20225
	6%	4%	5%	3%	4%
grade 3 events	5588	5194	4501	5125	3414
	1%	1%	0%	1%	0%
grade 4 events	5430	4934	6091	5121	3340
	1%	1%	1%	1%	0%
grade 5 events	9618	9929	9446	10016	10523
	2%	2%	1%	2%	2%
grade 6 events	13080	12608	12124	12293	9333
	3%	2%	2%	2%	1%
grade 7 events	293897	337201	413030	404068	412351
	70%	78%	78%	80%	84%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	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	266.428394	266.4199136709801	Subarray requested	NONE	NONE
[deg] Pointing Dec	-29.030450	-29.00406099249139	Alternating exposures requested	N	N
[deg] Pointing Roll	75.305690	75.51026075182801	[s] Primary exposure time	3.1	3.1
[s] Window start time (MET)	138505804.184000	138505804.184000			
[s] Window stop time (MET)	138662224.184000	138662224.184000			
[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)	138496782.184000	138496782.184			
Observation start date	2002-05-22T23:18:38	2002-05-22T23:19:42			
[s] Observation end time (MET)	138535069.100000	138535069.1			
Observation end date	2002-05-23T09:57:49	2002-05-23T09:57:49			
Read mode	TIMED	TIMED			

2.3 Aspect





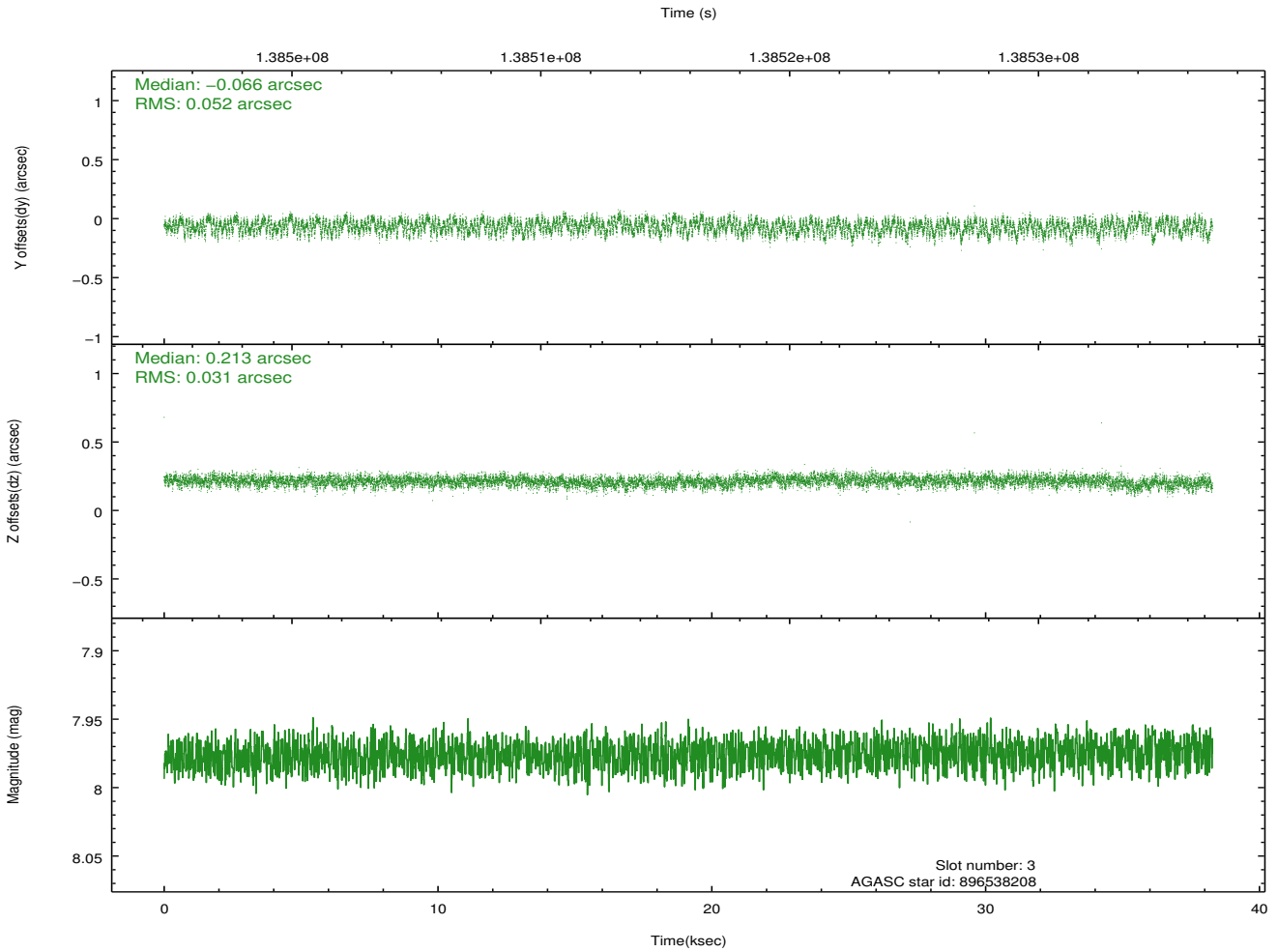
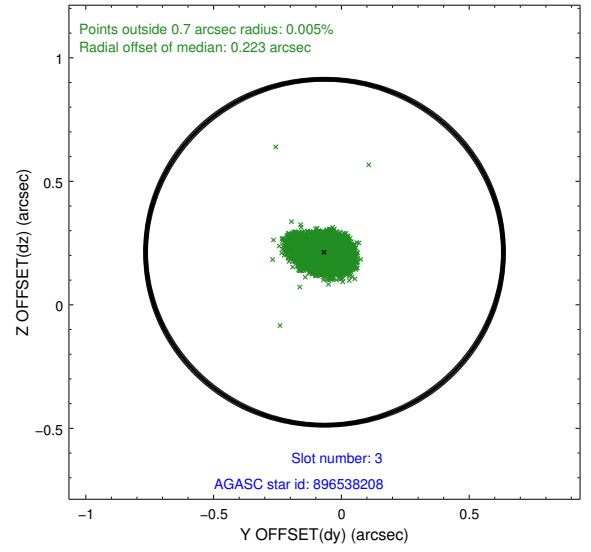
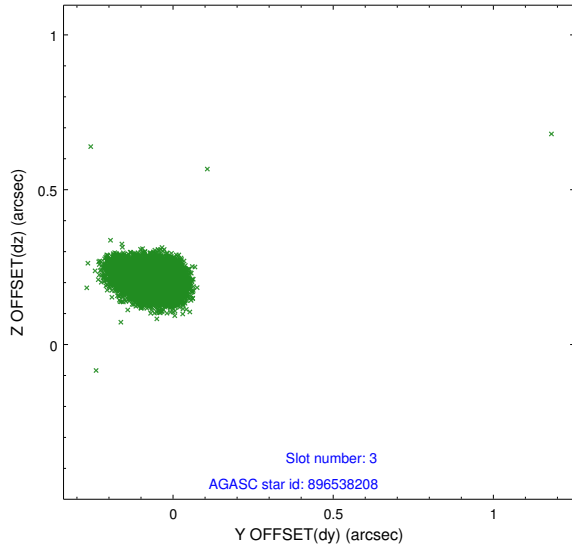
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	9337	-0.010	0.013	0.008	0.015	0.000000	0.000000	937.71	-829.81
1	FID	ACIS-I-5	7.24	9334	-0.043	0.041	0.008	0.018	0.000000	0.000000	-1810.37	1067.75
2	FID	ACIS-I-6	7.26	9334	-0.038	0.016	0.008	0.021	0.000000	0.000000	403.26	1712.21
3	GUIDE	896538208	7.98	18670	-0.066	0.213	0.064	0.103	267.176969	-28.671626	1843.34	-1961.06
4	GUIDE	896537776	7.52	18673	0.226	0.128	0.047	0.075	266.655684	-29.665673	-2030.77	-1268.17
5	GUIDE	896403224	8.30	18673	0.283	-0.153	0.078	0.124	265.612825	-29.438915	-2078.46	2097.73
6	GUIDE	896534664	8.20	18674	-0.124	-0.054	0.067	0.107	266.405570	-28.407461	2151.97	639.01
7	GUIDE	896538696	6.81	18675	-0.312	-0.128	0.043	0.068	266.298470	-28.325572	2350.84	1041.97

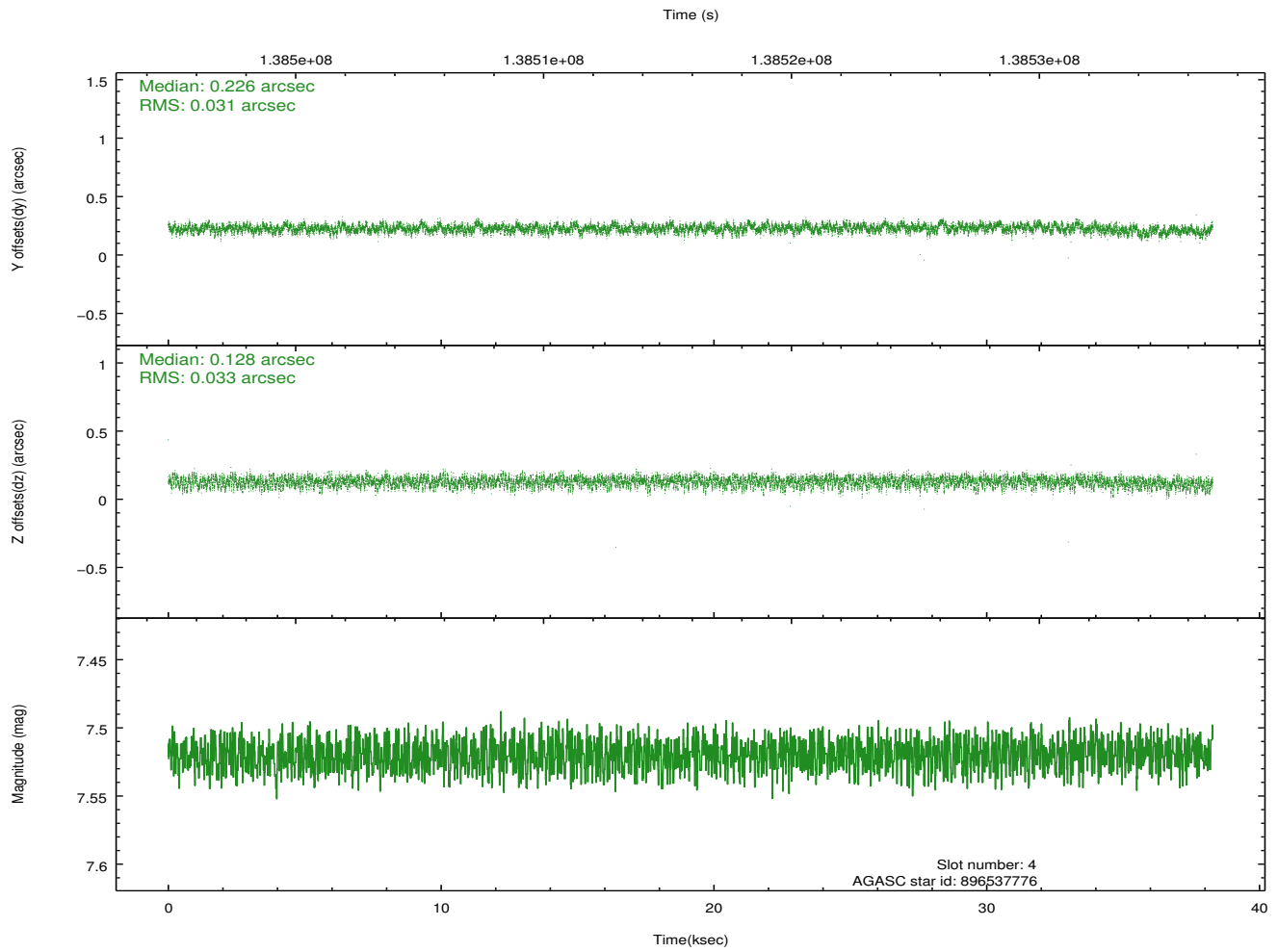
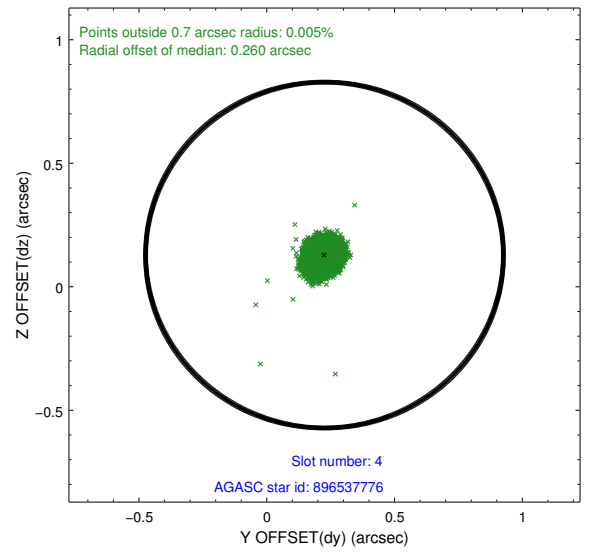
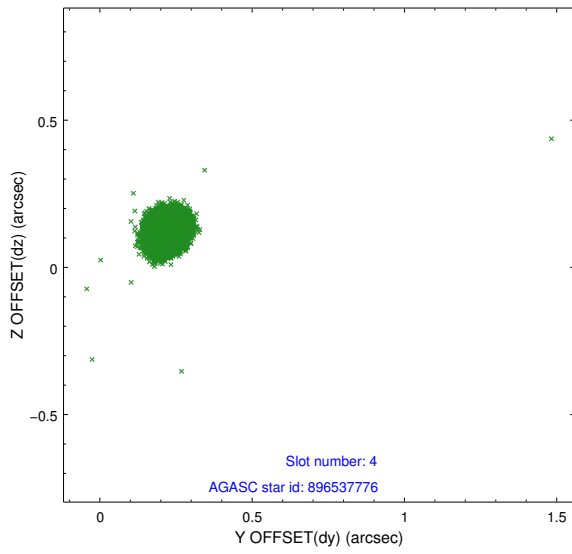
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2.4 Star Slots

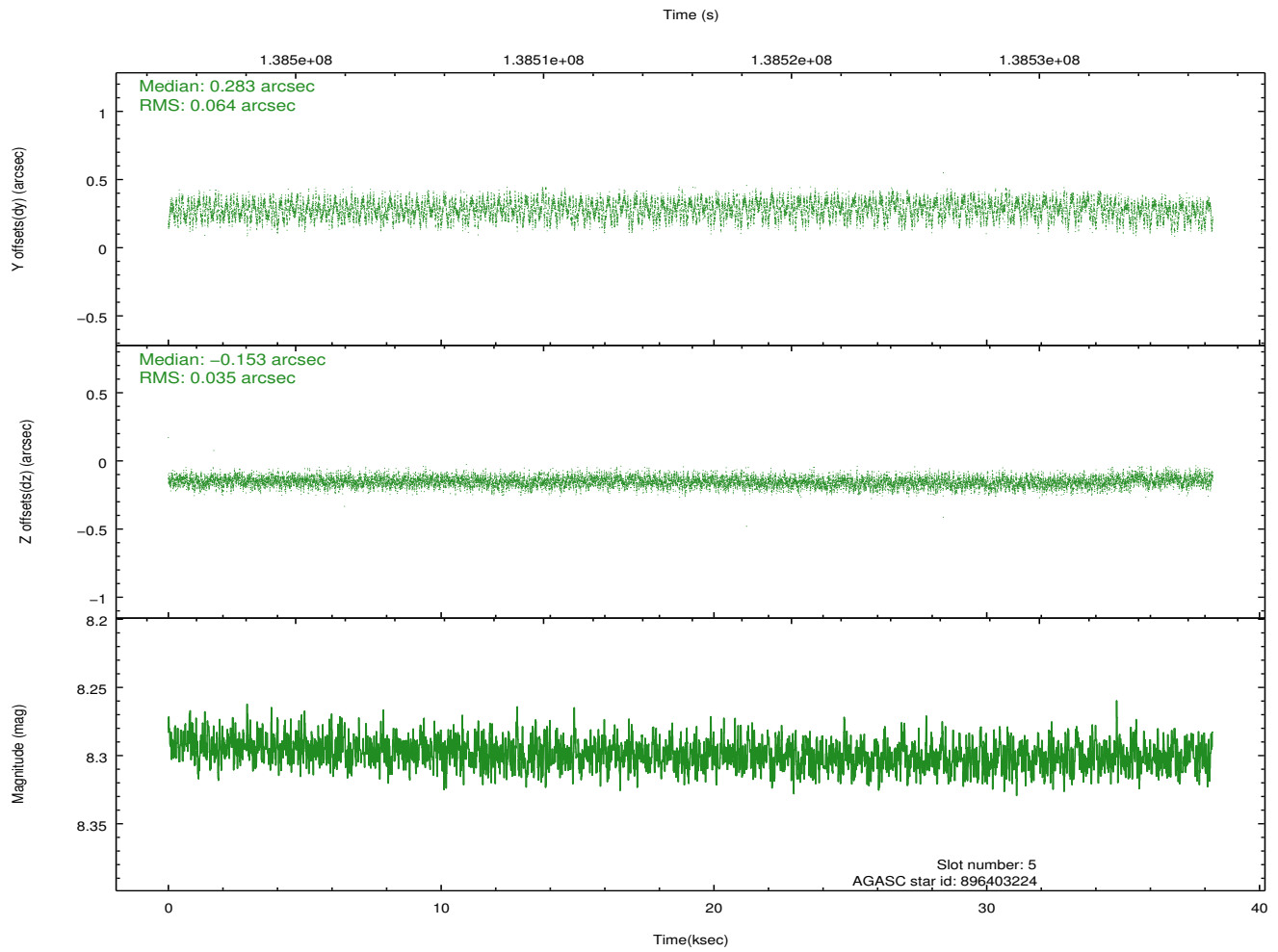
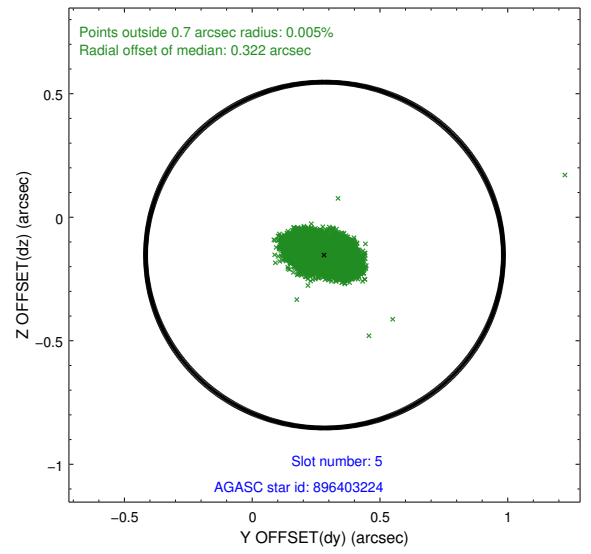
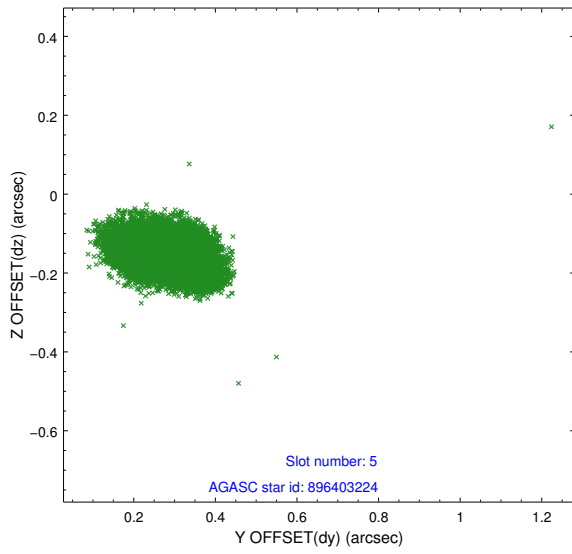
2.4.1 Slot 3



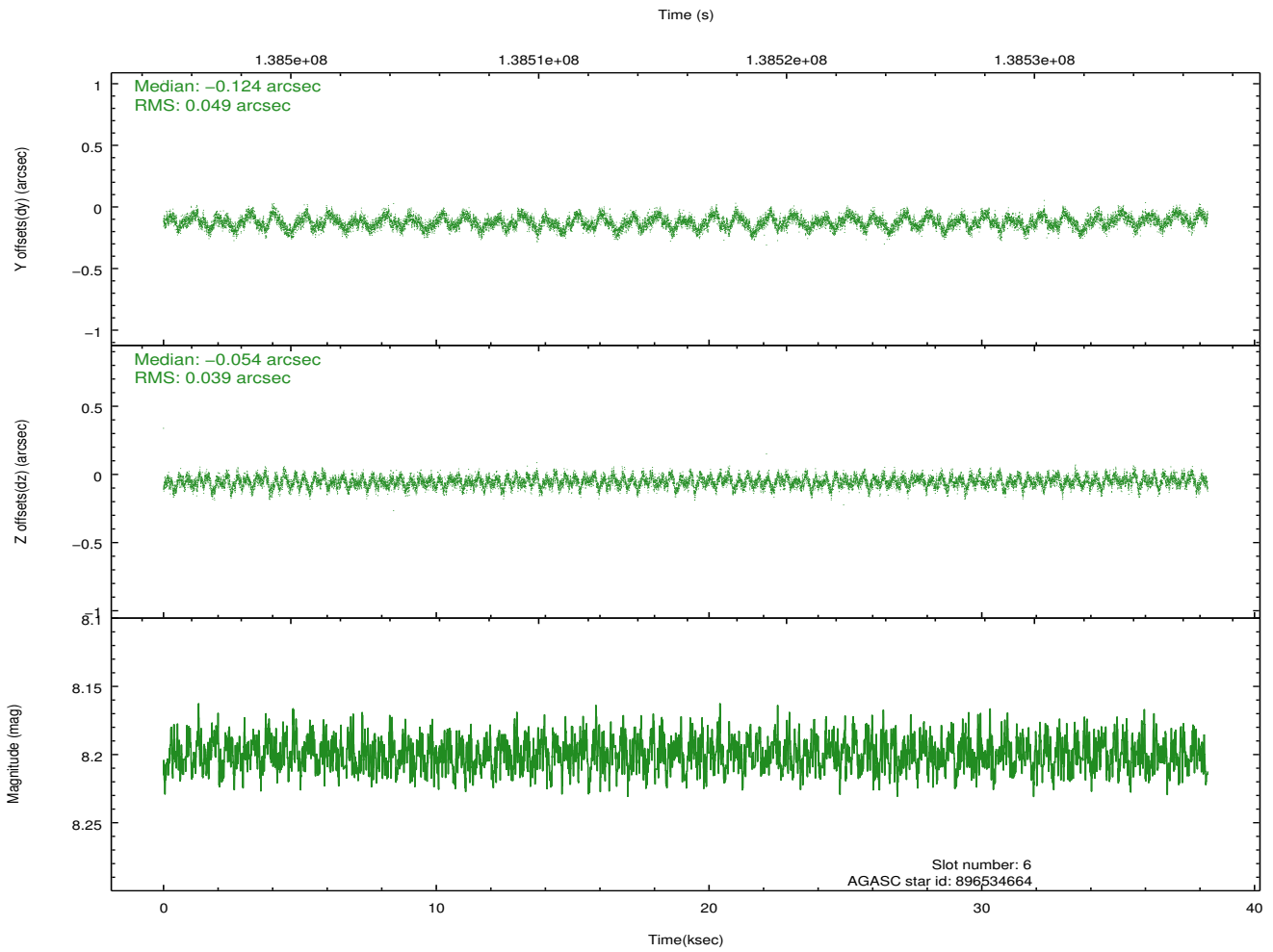
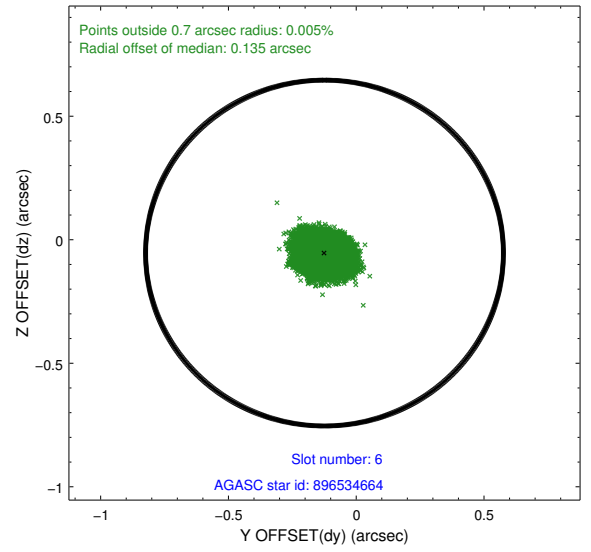
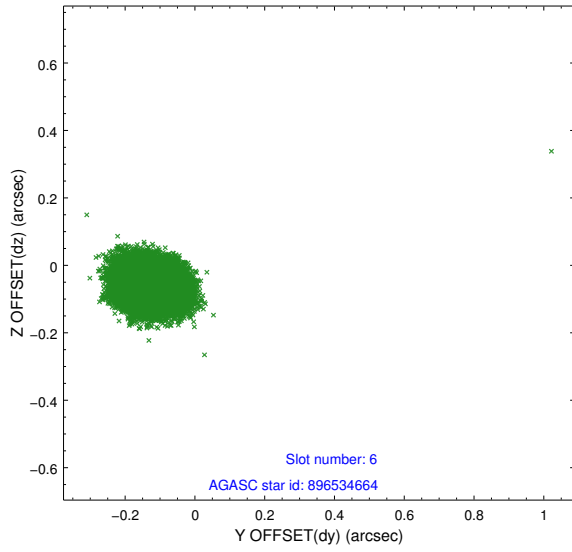
2.4.2 Slot 4



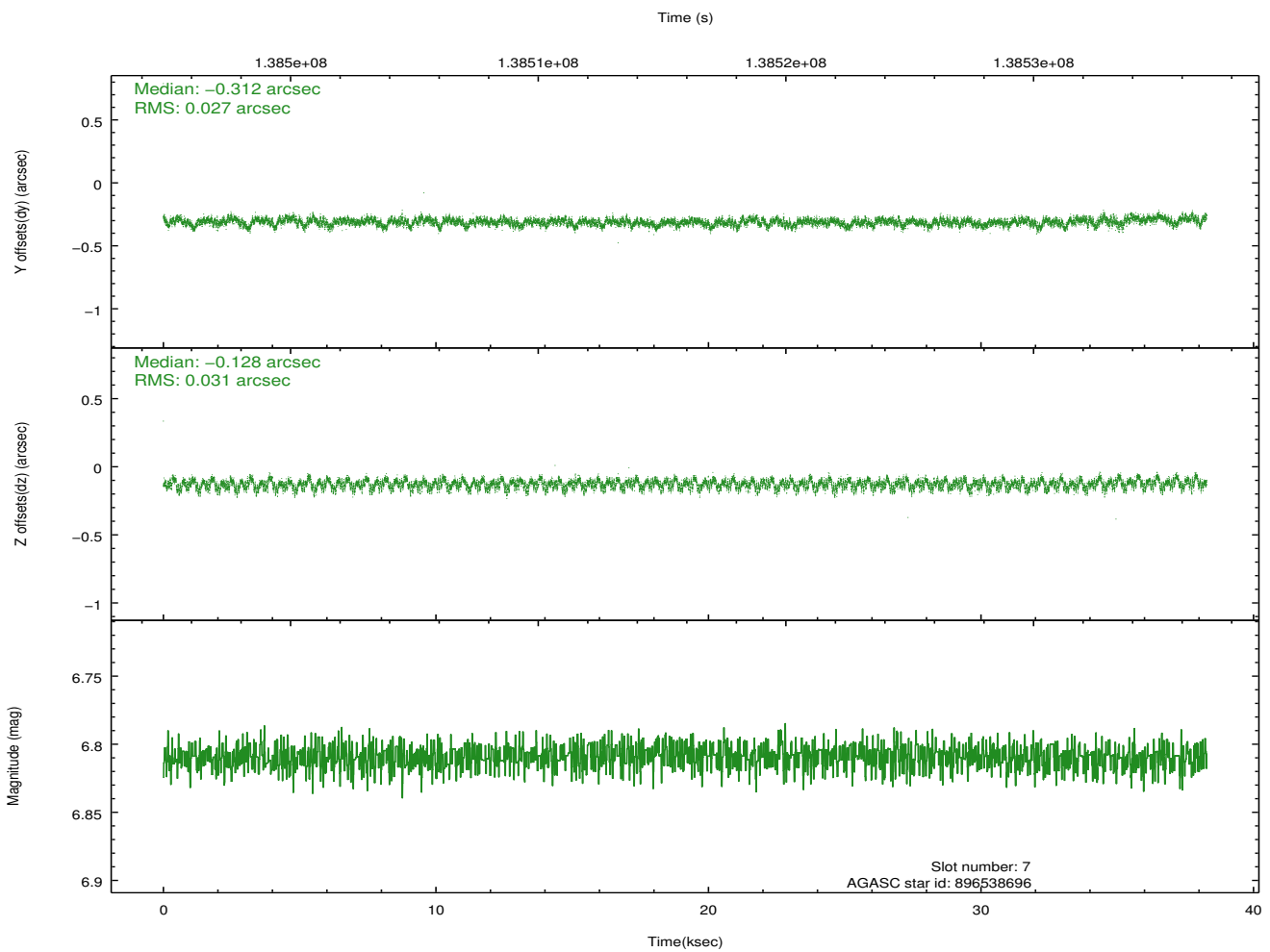
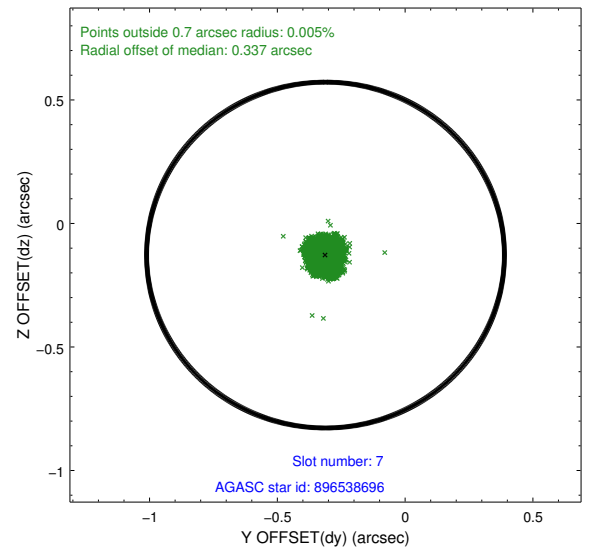
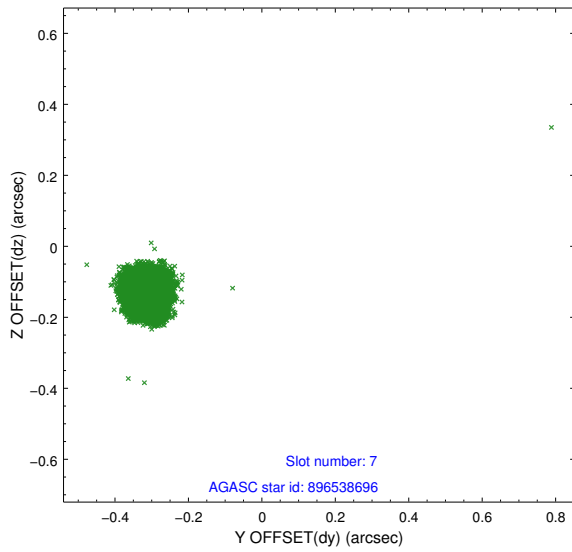
2.4.3 Slot 5



2.4.4 Slot 6

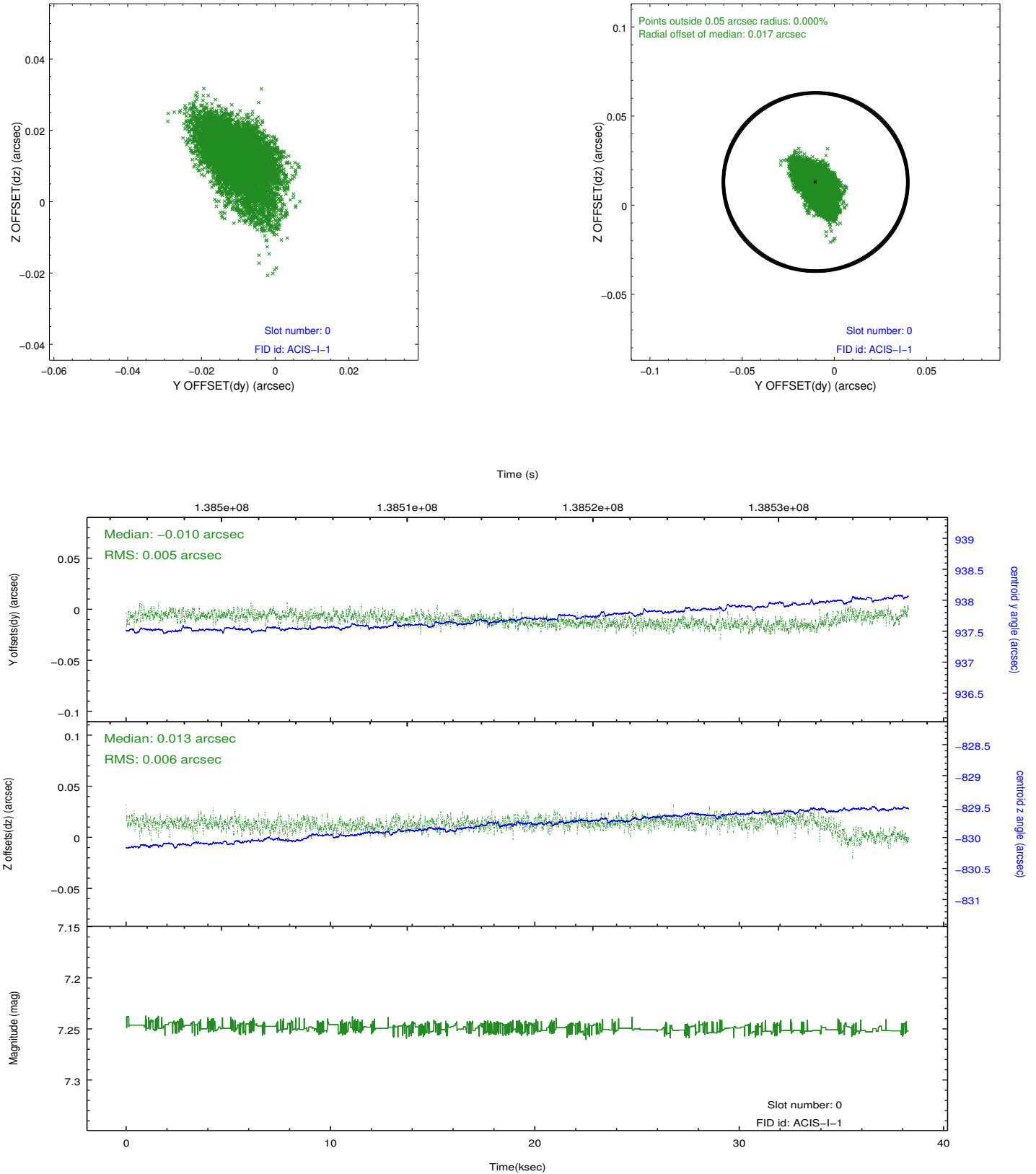


2.4.5 Slot 7

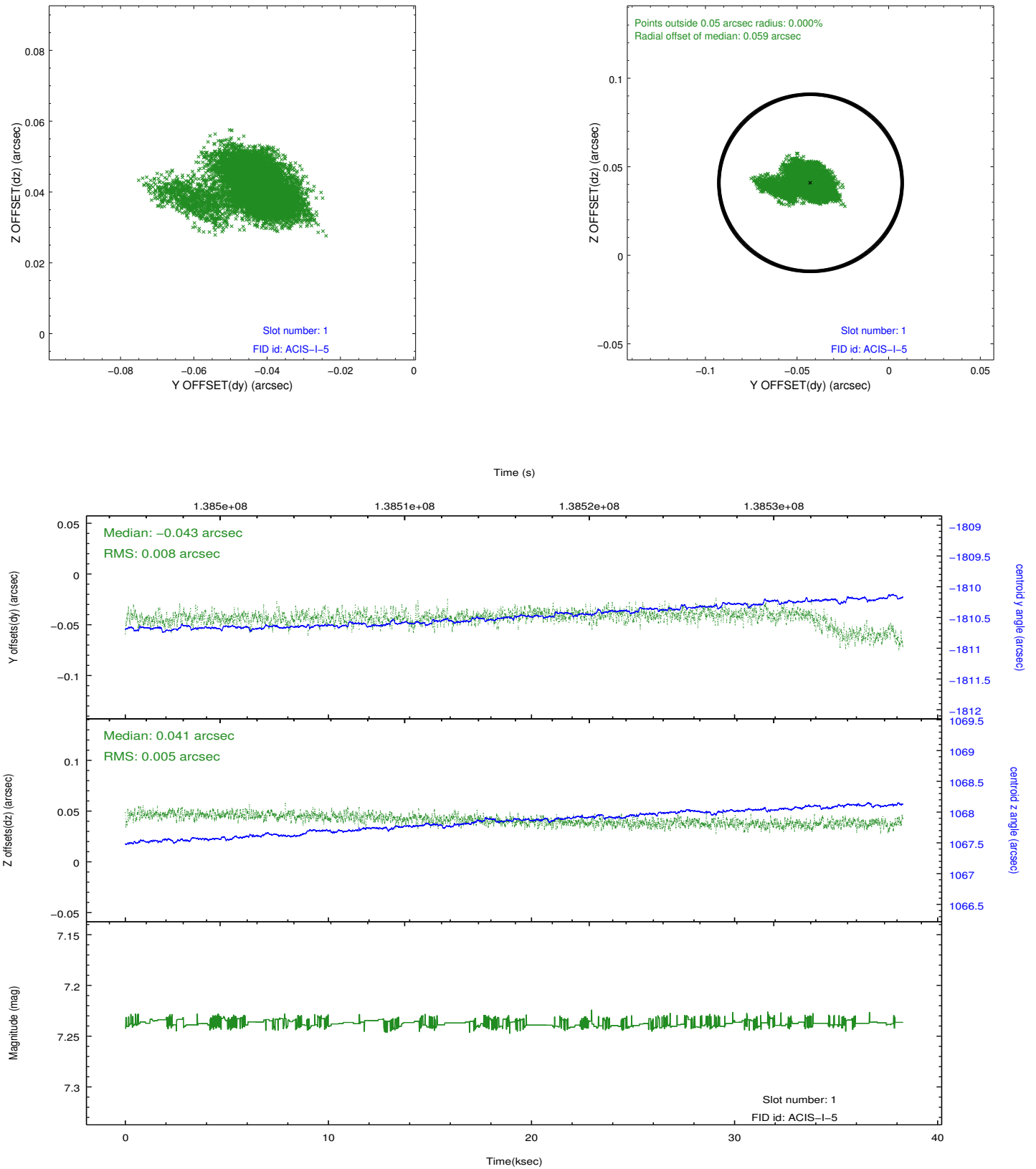


2.5 FID Slots

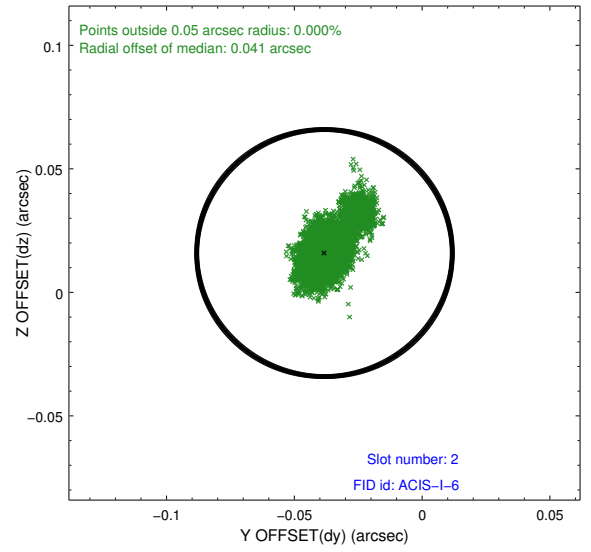
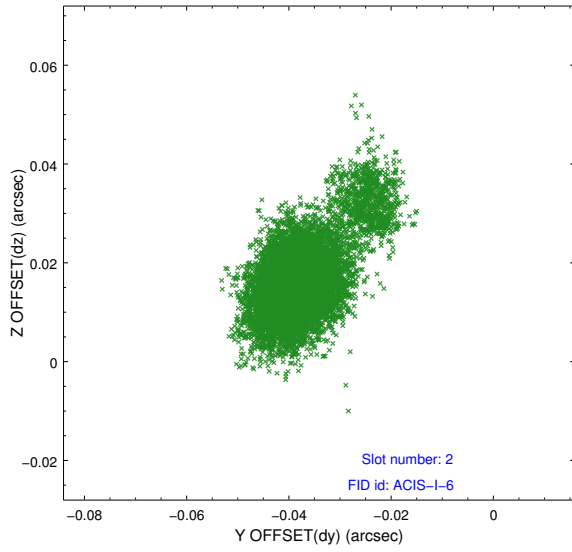
2.5.1 Slot 0



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)	2012.12.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	38.474

A.2 Comments

Charge time for this ObsId remains at previous value of 38.474 ks although with the current processing the charge time would have been 38.18 ksec.

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This observation was interrupted by safing of the science instruments onboard Chandra due to high solar radiation environment. The observation was interrupted at 2002-05-23T09:58:19. Due to a high radiation environment, the instruments were safed and the observation terminated early. This observation has been reprocessed so that the aspect solution correctly handles the instrument safing and maneuver activities at the end of the observation.

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The observation starts before the window start time.