

V&V Reference Report

L2 ASCDS Version : 7.6.7

Observation 5848 - L2 Version 002
Chandra X-Ray Center

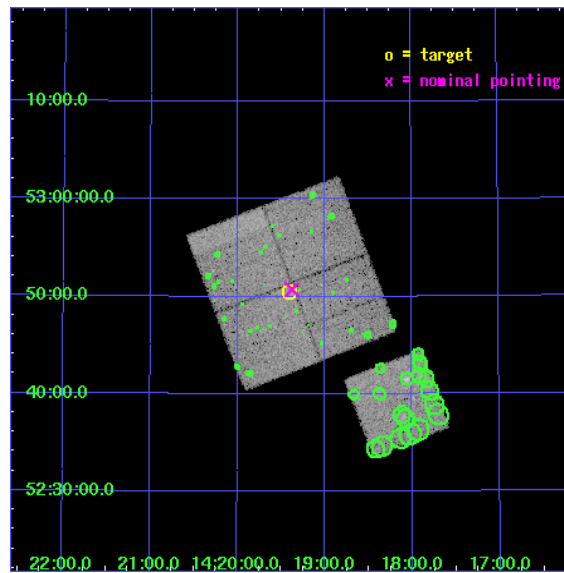
L2 Processing Date: Feb 28 2006

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1 Front

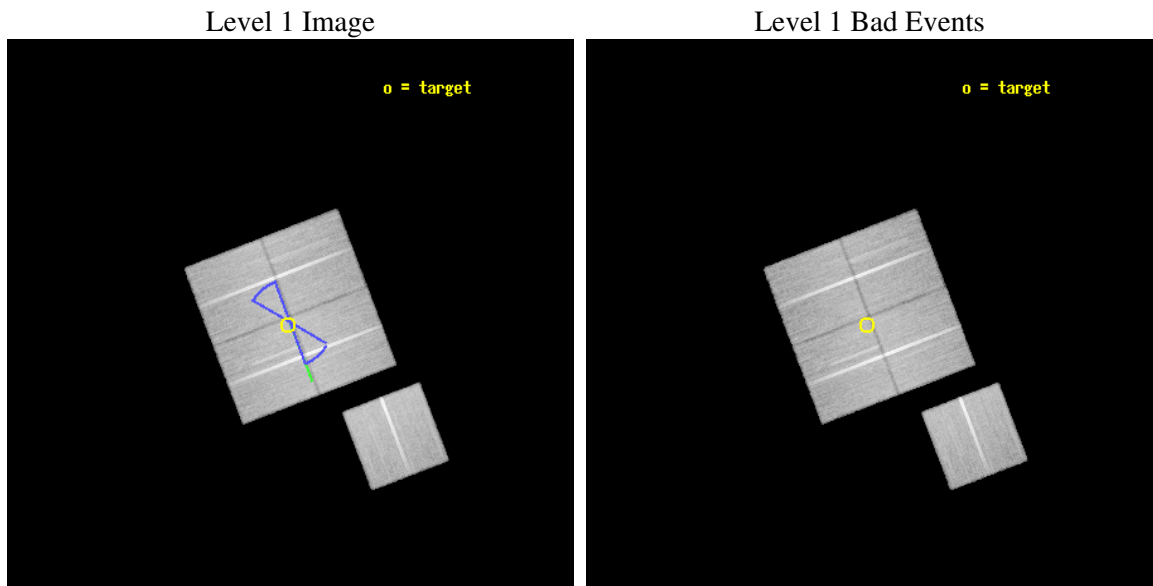
seq_num	900351
obs_id	5848
title	Deep Chandra Imaging of the Extended Groth Strip: The Co-evolution of Black Holes and Galaxies
observer	Dr Kirpal Nandra
object	EGS-4
dtcycle	0
cycle	P
ra_targ	214.849579
dec_targ	52.842415
ra_nom	214.84408523067
dec_nom	52.84562618729
roll_nom	159.01306583601
revision	2
ontime	45036.635992438
livetime	44448.199187707
ontime0	45046.058933139
ontime1	45046.058913261
ontime2	45042.917942971
ontime3	45036.635992438
ontime6	45046.058933139
l2events	120252



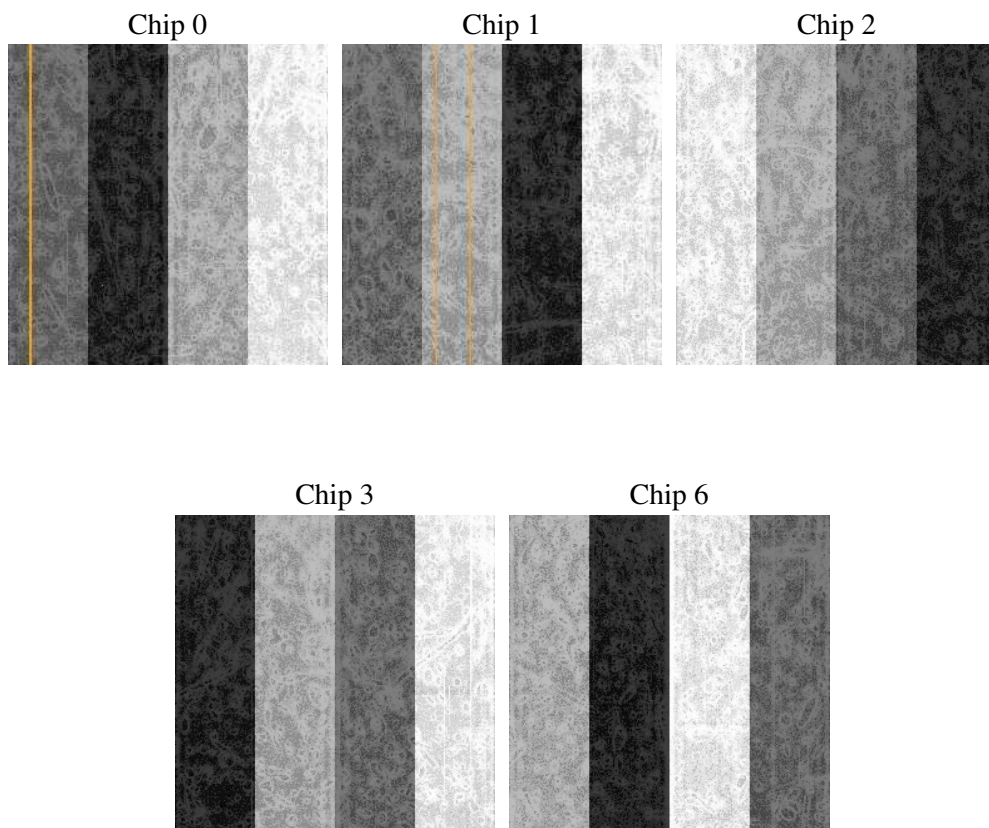
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1
ascdsver	7.6.7
caldbver	3.2.1
date	2006-02-28T17:11:06
revision	2

sched_exp_time	45000.000000
ontime	45042.066356868
ontime0	45054.630317658
ontime1	45051.489277691
ontime2	45048.348307401
ontime3	45042.066356868
ontime6	45054.630317658
l1events	1399371

2.1.4 Events

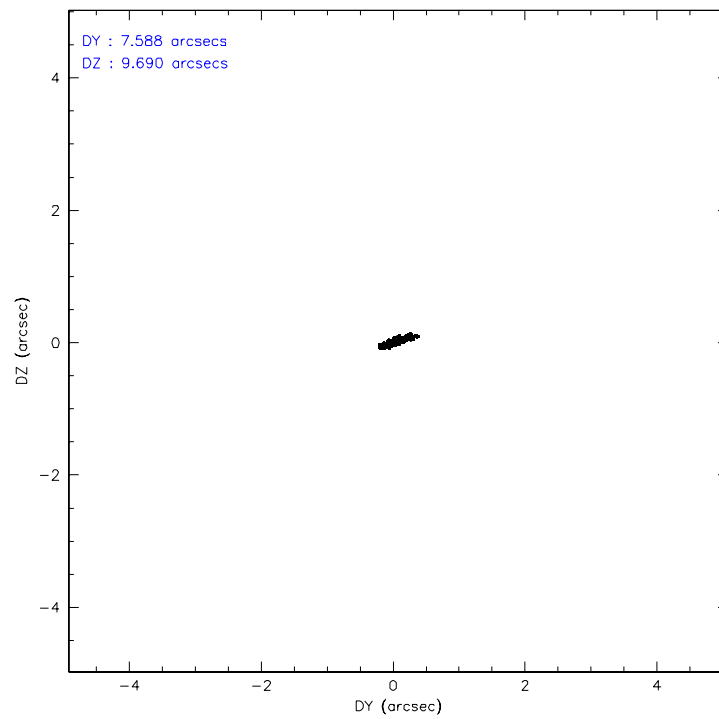
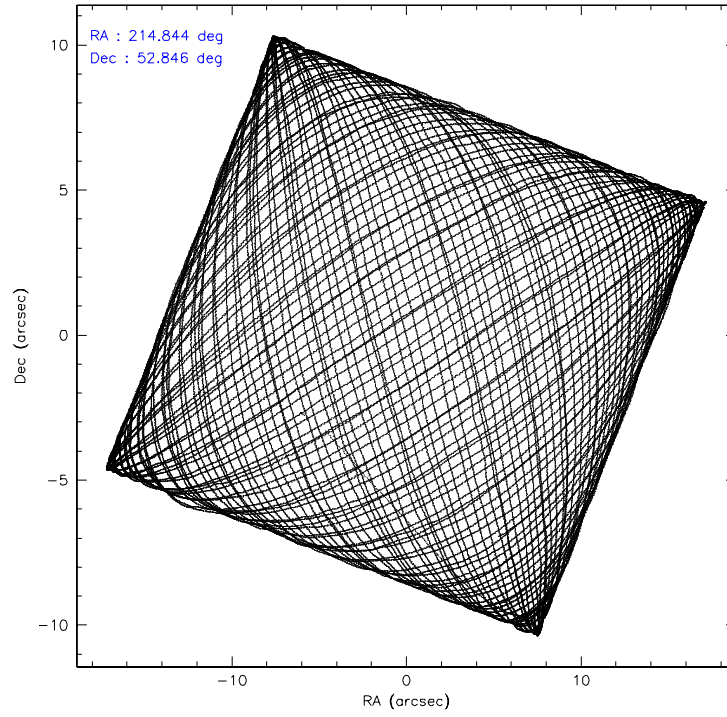
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	263864	265571	296307	284804	288825
rejected events	235916	233691	269137	257684	259210
rejected %	89%	87%	90%	90%	89%

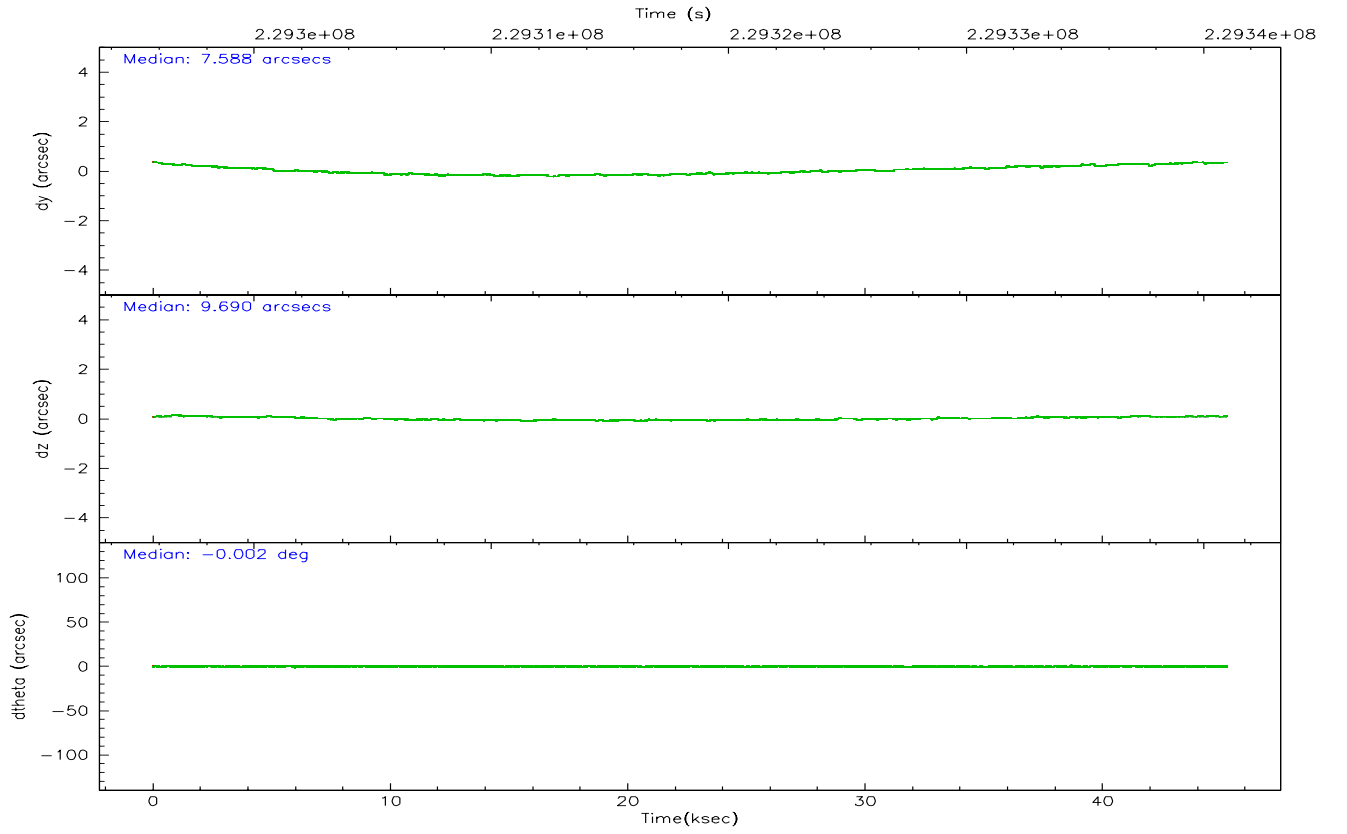
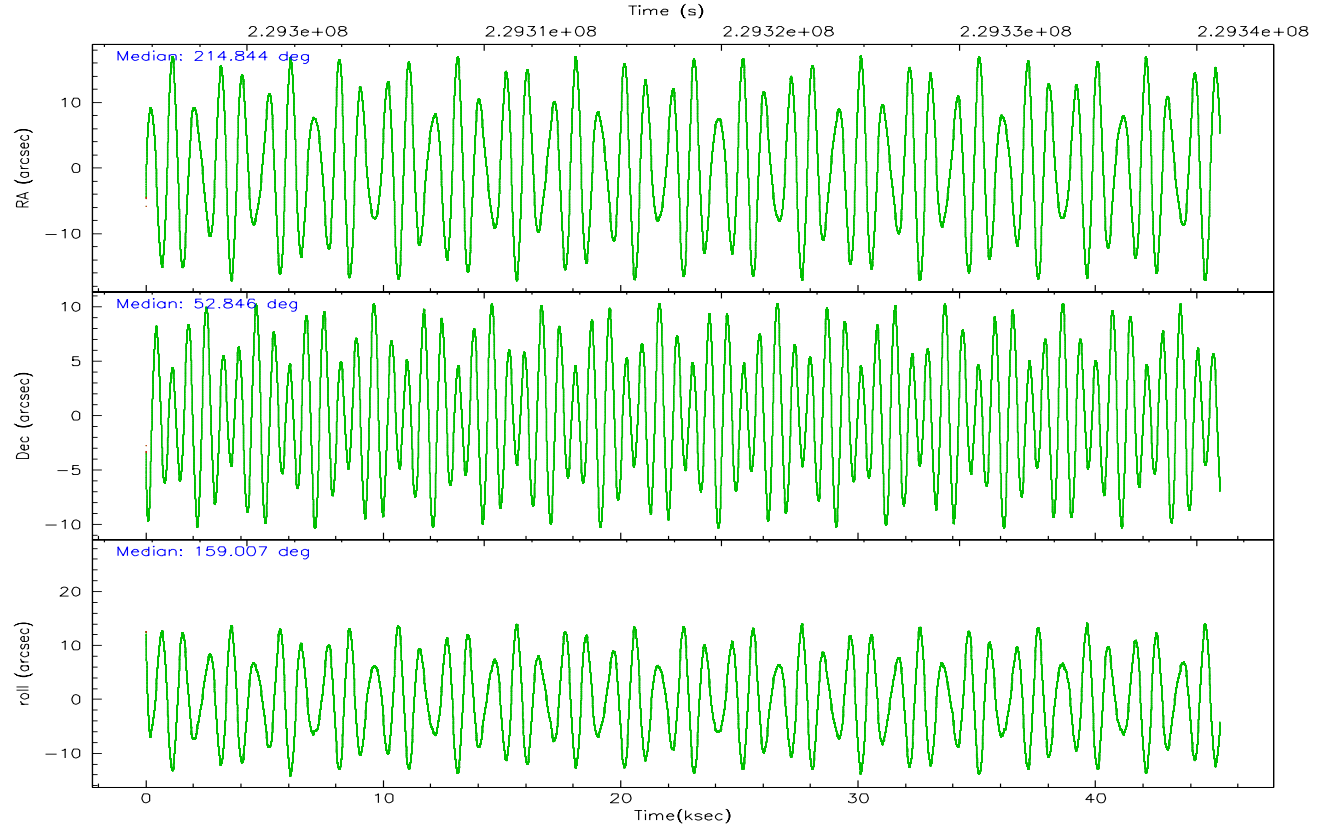
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	9439	11511	9591	9530	10530
	3%	4%	3%	3%	3%
grade 1 events	141	142	158	143	141
	0%	0%	0%	0%	0%
grade 2 events	6690	6983	6305	5917	6312
	2%	2%	2%	2%	2%
grade 3 events	3300	3478	3115	3212	3280
	1%	1%	1%	1%	1%
grade 4 events	3014	3540	3129	3079	3310
	1%	1%	1%	1%	1%
grade 5 events	10217	11218	9575	11379	11280
	3%	4%	3%	3%	3%
grade 6 events	5510	6368	5031	5384	6193
	2%	2%	1%	1%	2%
grade 7 events	225553	222331	259403	246160	247779
	85%	83%	87%	86%	85%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-01236	ACIS-01236	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	214.888811	214.8440852306706	Alternating exposures requested	N	N
Pointing Dec	52.850024	52.84562618728953	Primary exposure time	0.000000	3.1
Pointing Roll	158.768723	159.013065836005			
Roll angle	50.756000	50.756000			
Roll tolerance	20.000000	20.000000			
Roll constraint allows 180D rotation	Y	Y			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-233.592463	-233.5874344608287			
SIM translation stage offset (mm)	0	-0.005018542100998502			
Observation start time	229295997.184000	229295039.14077			
Observation start date	2005-04-07T21:18:53	2005-04-07T21:03:59			
Observation end time	229340997.184000	229341438.33038			
Observation end date	2005-04-08T09:48:53	2005-04-08T09:57:18			
Read mode	TIMED	TIMED			

2.3 Aspect



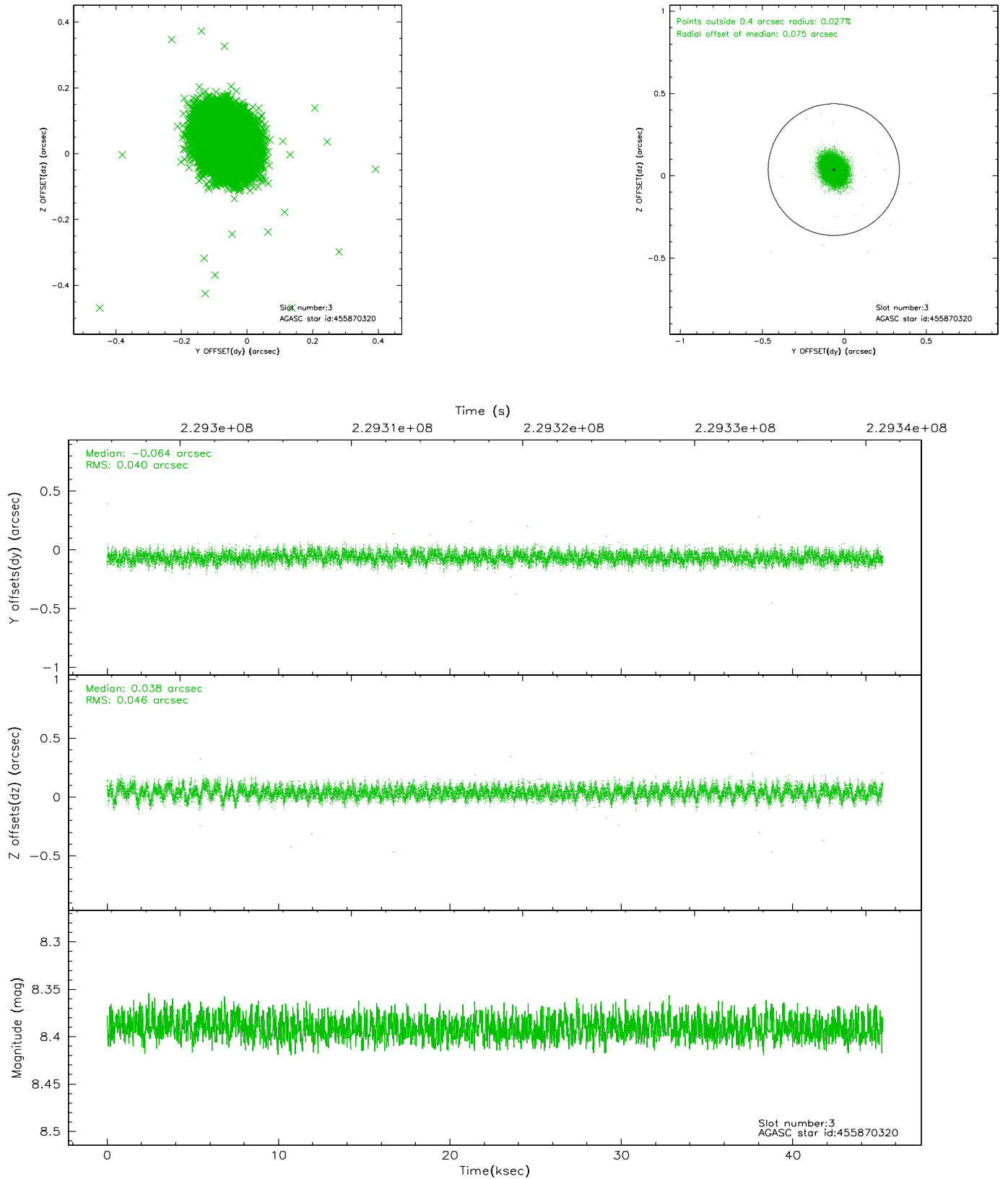


Slot Statistics

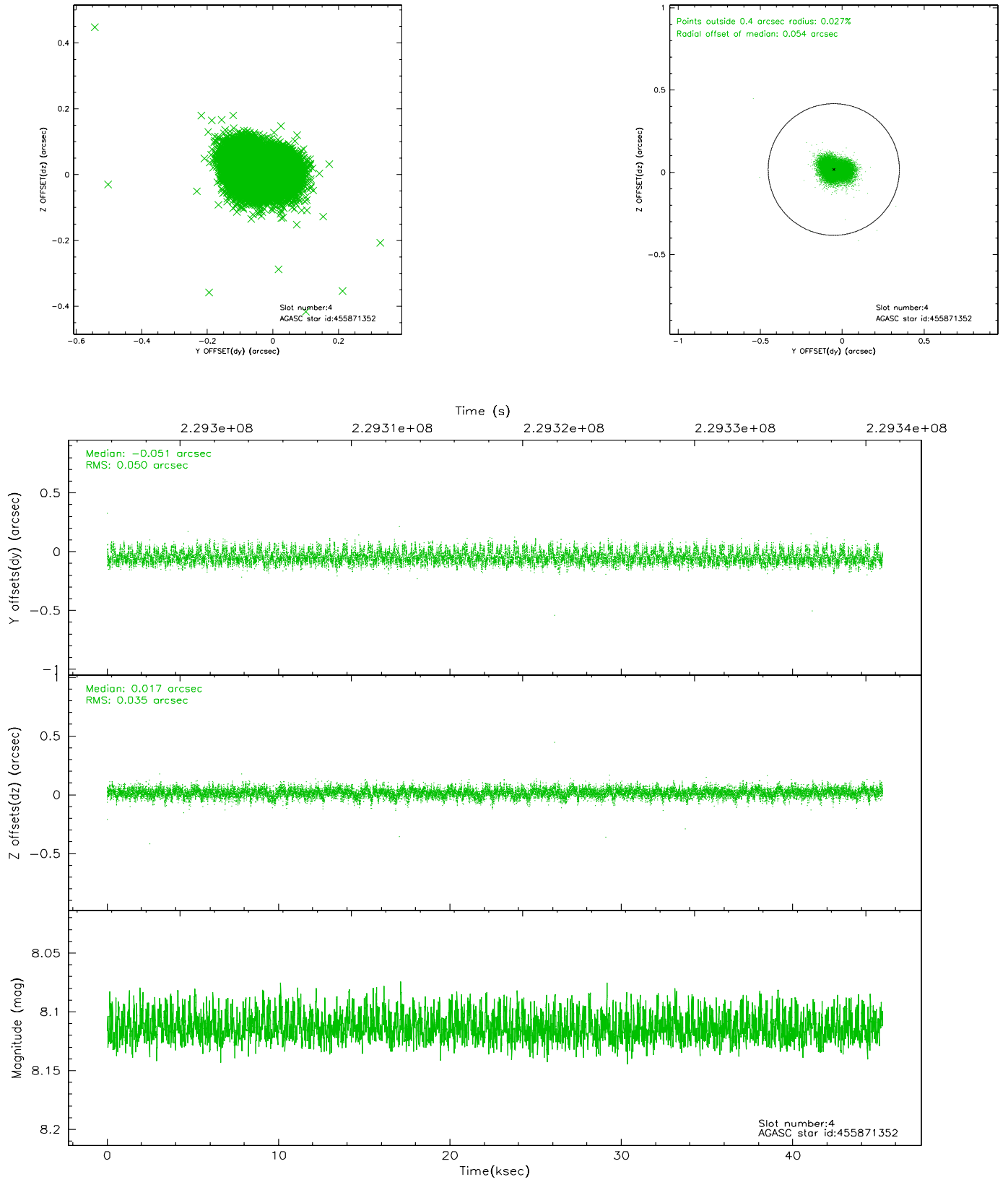
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	11037	-0.012	0.047	0.008	0.014	0.000000	0.000000	932.03	-833.11
1	FID	ACIS-I-5	7.23	11037	-0.139	0.020	0.009	0.017	0.000000	0.000000	-1816.21	1064.34
2	FID	ACIS-I-6	7.25	11034	0.060	0.004	0.008	0.014	0.000000	0.000000	397.65	1708.83
3	GUIDE	455870320	8.39	22067	-0.064	0.038	0.064	0.103	214.874440	52.401638	-555.24	1516.20
4	GUIDE	455871352	8.11	22064	-0.051	0.017	0.065	0.107	215.099961	52.172669	-1317.50	2103.59
5	GUIDE	505806936	7.00	22073	0.050	-0.021	0.065	0.105	213.820815	52.535927	1776.68	1885.14
6	GUIDE	505812088	8.17	22003	0.048	0.086	0.063	0.101	214.186617	53.263562	1951.63	-846.54
7	GUIDE	505812376	7.60	22070	0.011	-0.114	0.049	0.081	214.039537	52.937930	1836.33	362.31

2.4 Star Slots

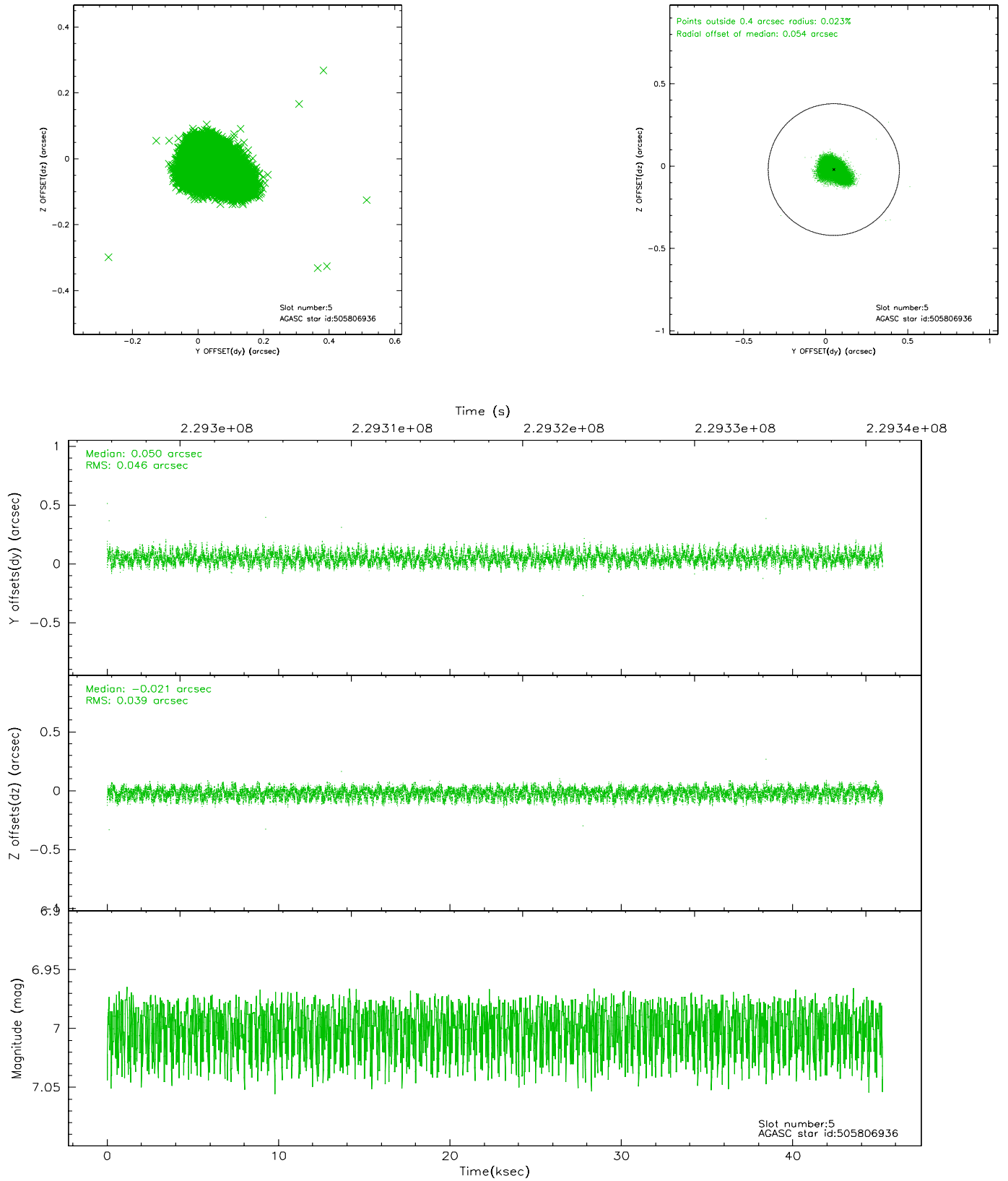
2.4.1 Slot 3



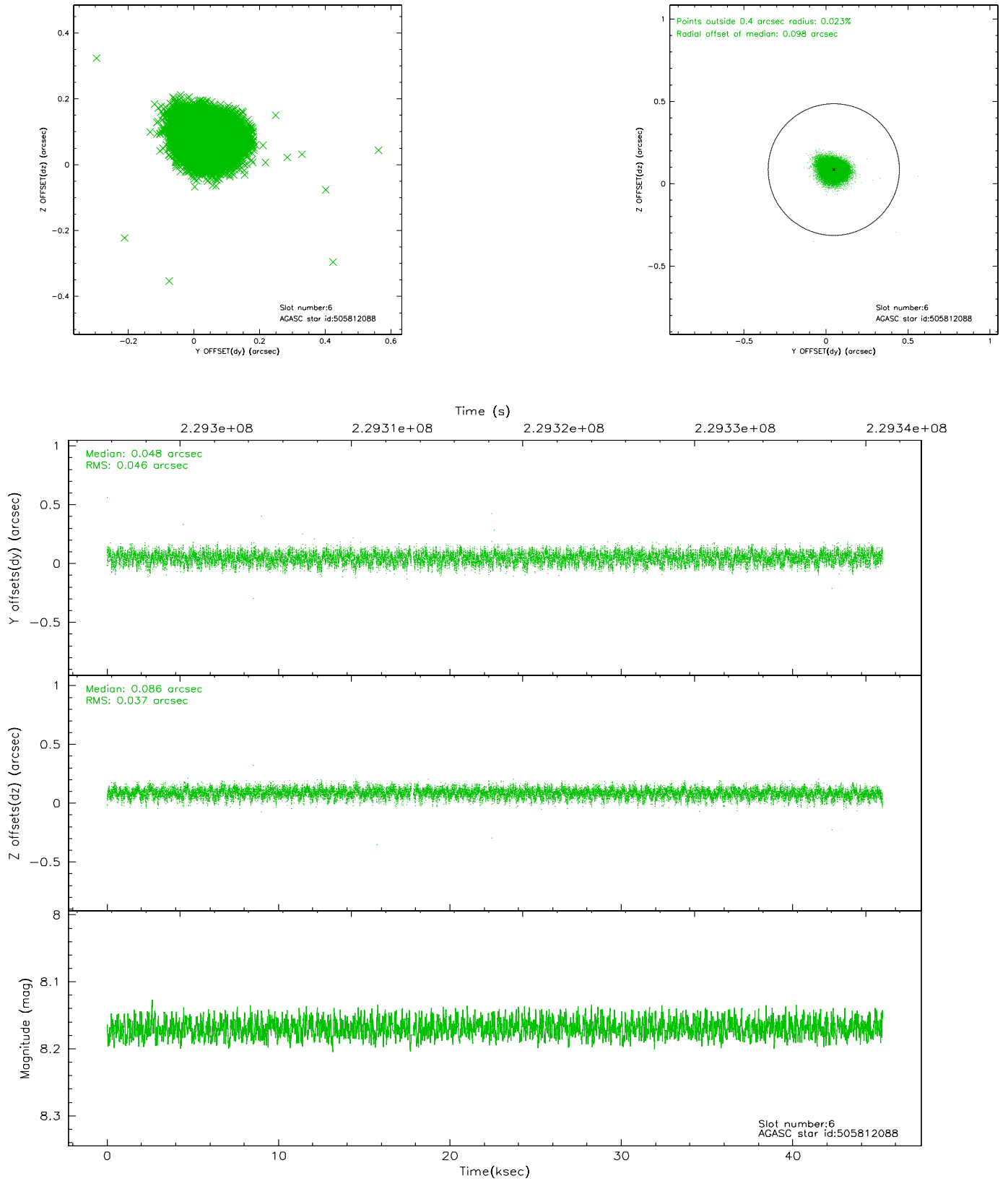
2.4.2 Slot 4



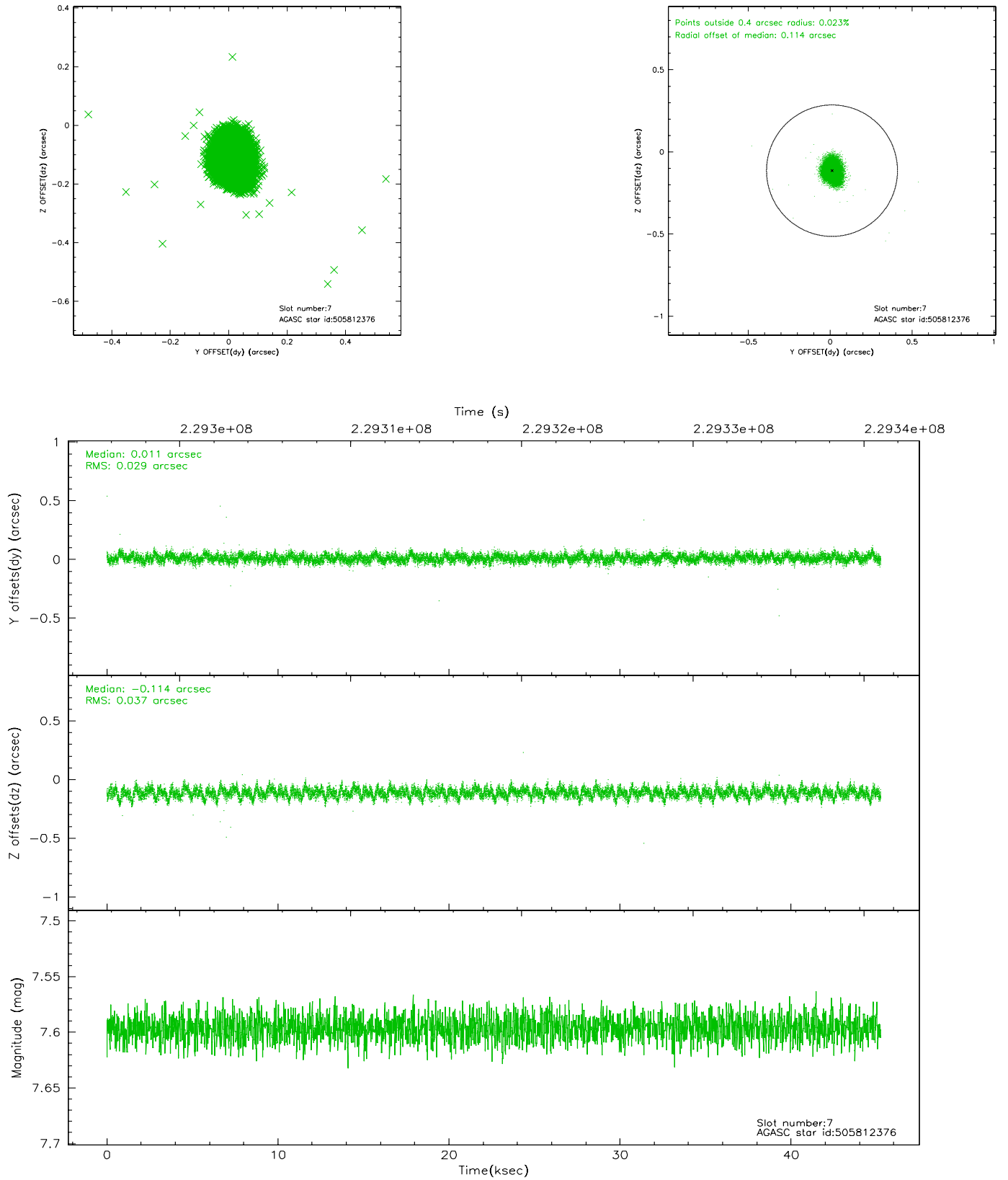
2.4.3 Slot 5



2.4.4 Slot 6

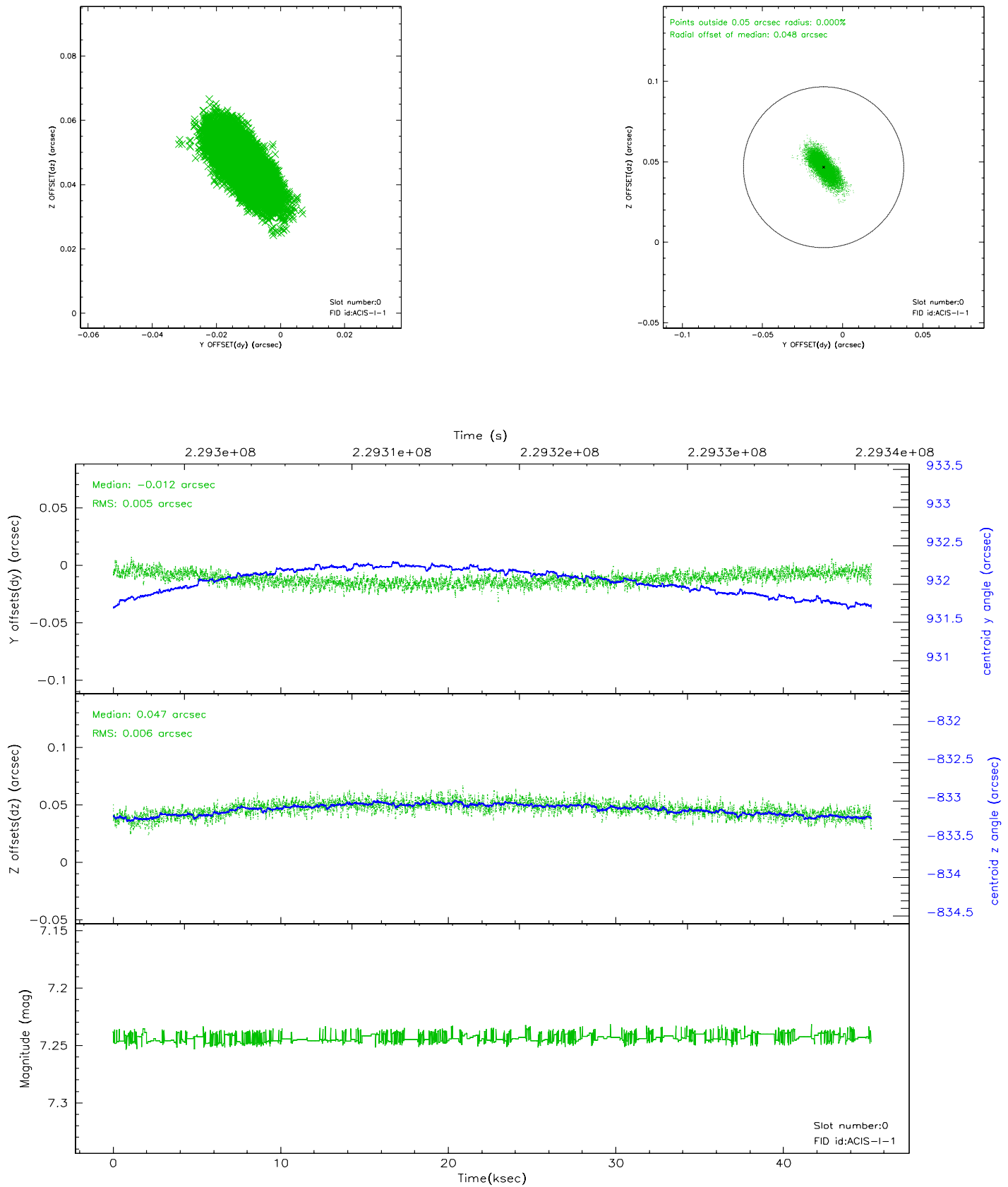


2.4.5 Slot 7

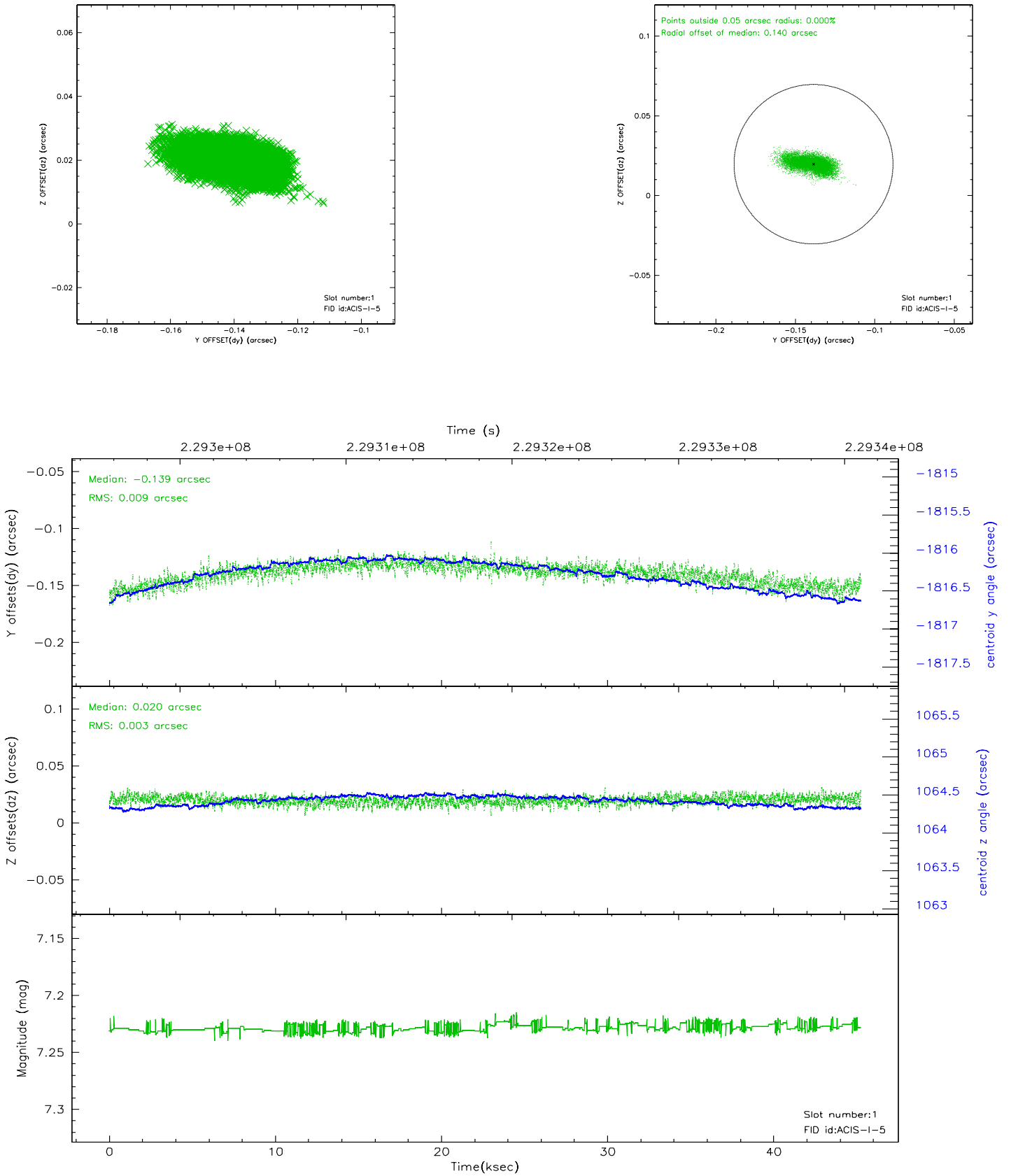


2.5 FID Slots

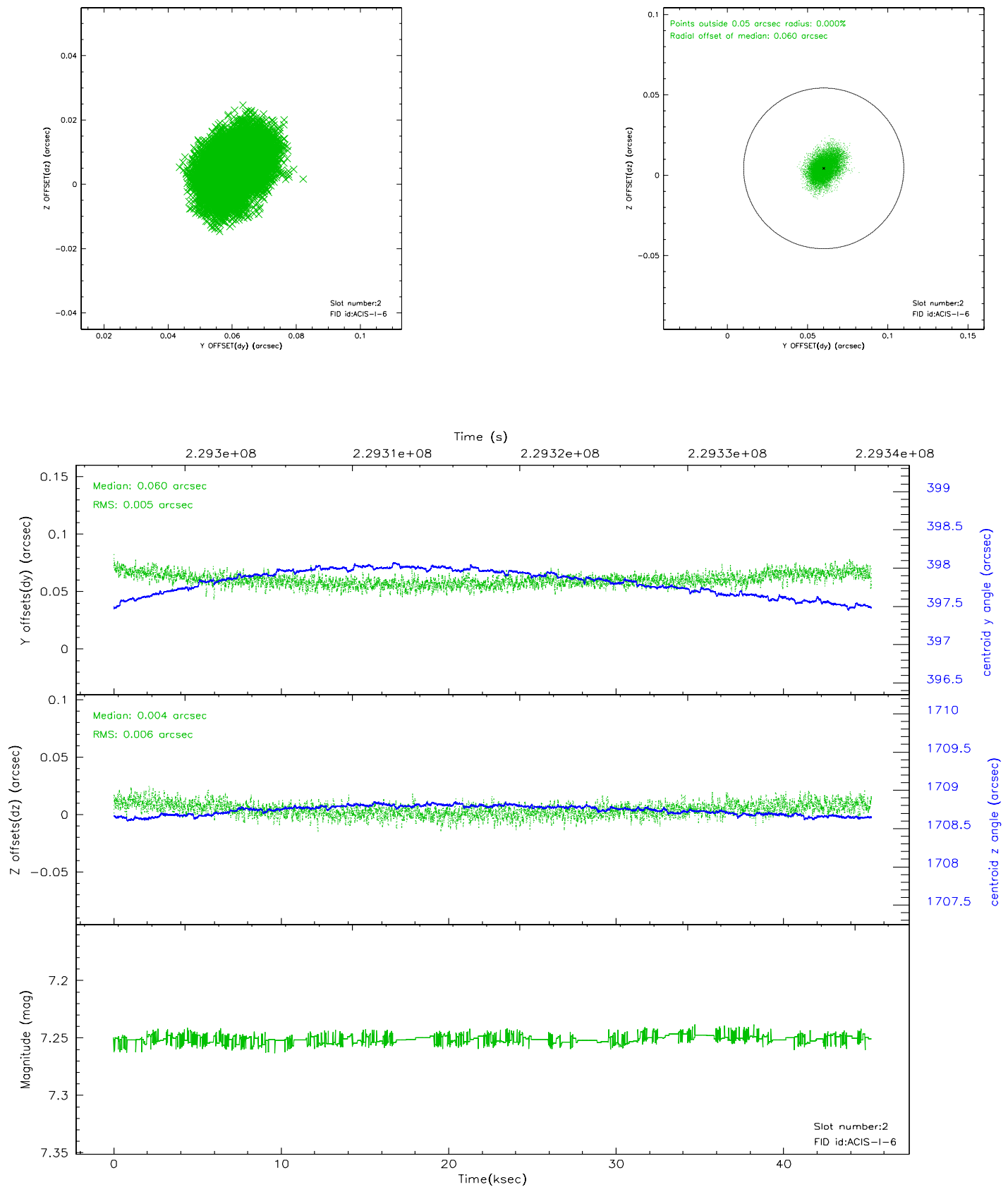
2.5.1 Slot 0



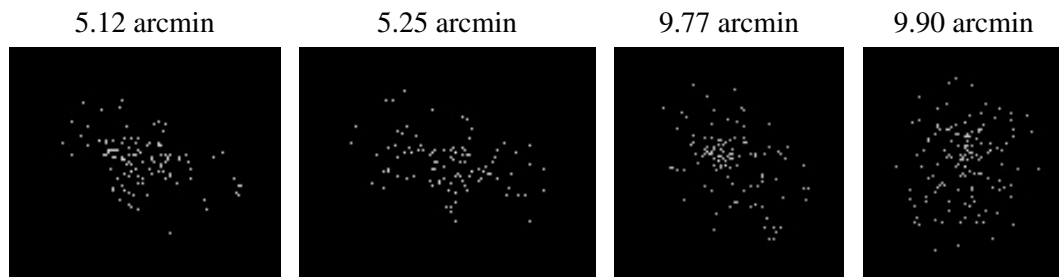
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.02.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	45.03663

A.2 Comments

Roll constraint satisfied.