

V&V Reference Report

L2 ASCDS Version : 7.6.8.1

Observation 4591 - L2 Version 002
Chandra X-Ray Center

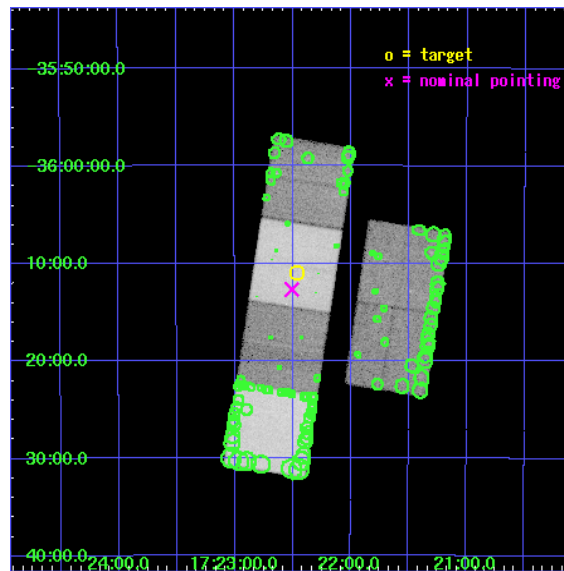
L2 Processing Date : Aug 9 2006

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1 Front

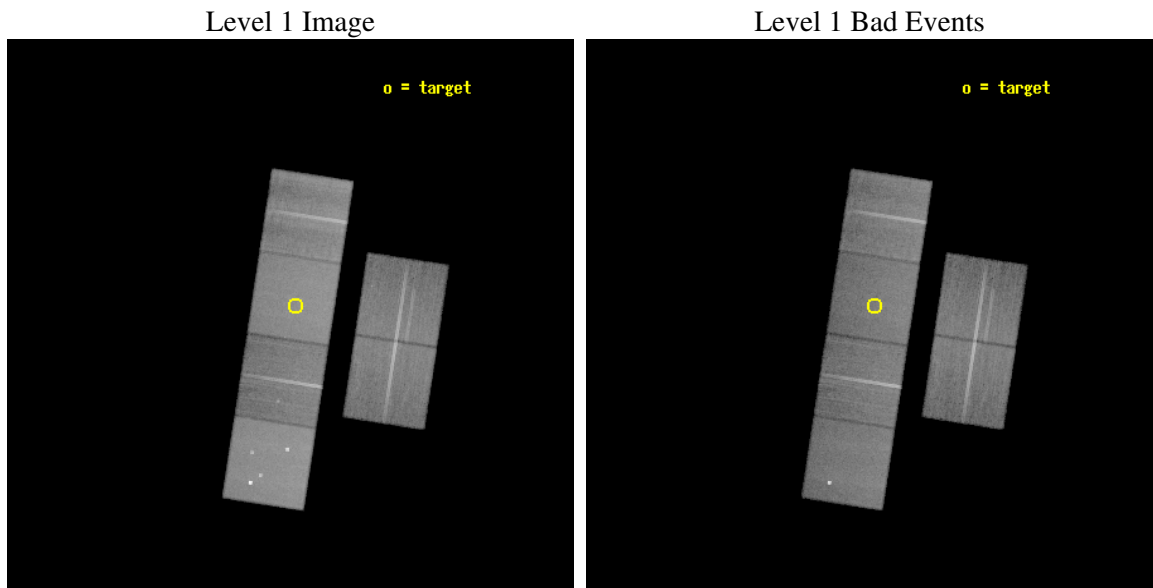
seq_num	500416
obs_id	4591
title	A Chandra Search for Crab-like Supernova Remnants
observer	Dr. Stephen Murray
object	G351.2+0.1
dtcycle	0
cycle	P
ra_targ	260.616667
dec_targ	-36.183333
ra_nom	260.62678951666
dec_nom	-36.211423441375
roll_nom	278.7264983491
revision	3
ontime	41497.599845409
livetime	40972.132249312
ontime2	41168.613712013
ontime3	41184.983042151
ontime5	41497.599845409
ontime6	41204.387923688
ontime7	41497.599845409
ontime8	41220.675014555
l2events	516877



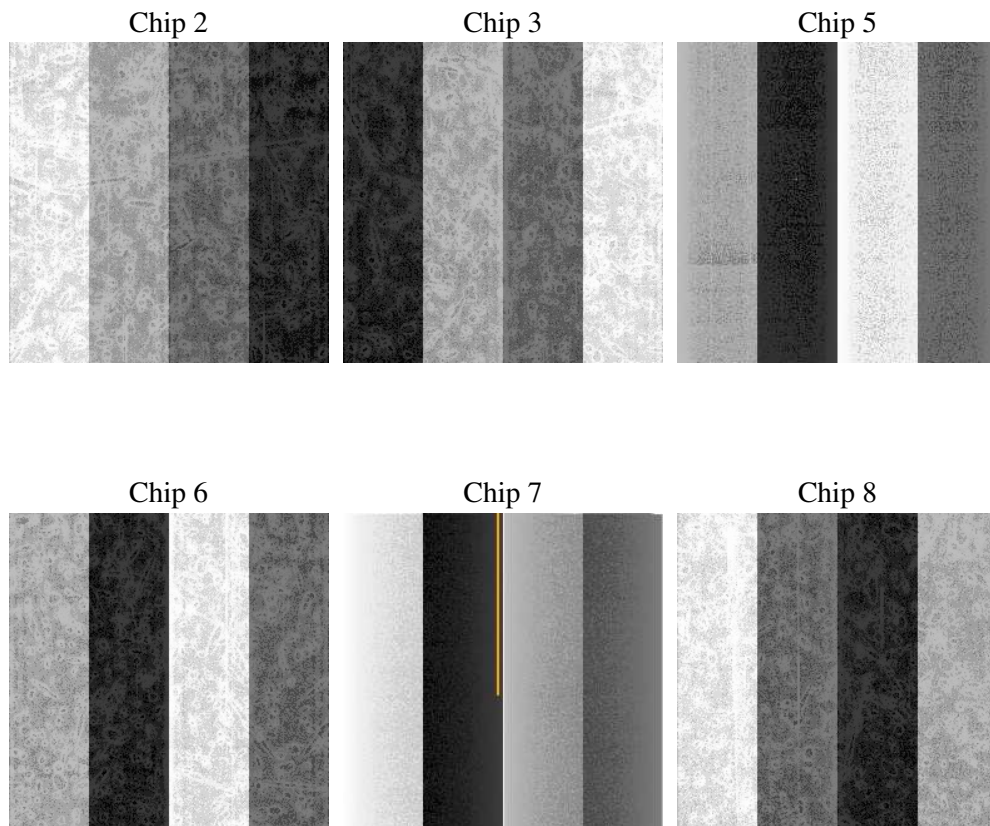
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	3
ascdsver	7.6.8.1
caldsver	3.2.2
date	2006-08-08T22:32:29
revision	3

sched_exp_time	44372.218000
ontime	41543.272946984
ontime2	41170.558073431
ontime3	41186.763243556
ontime5	41543.272946984
ontime6	41206.209165096
ontime7	41543.272946984
ontime8	41222.414175987
l1events	2162119

2.1.4 Events

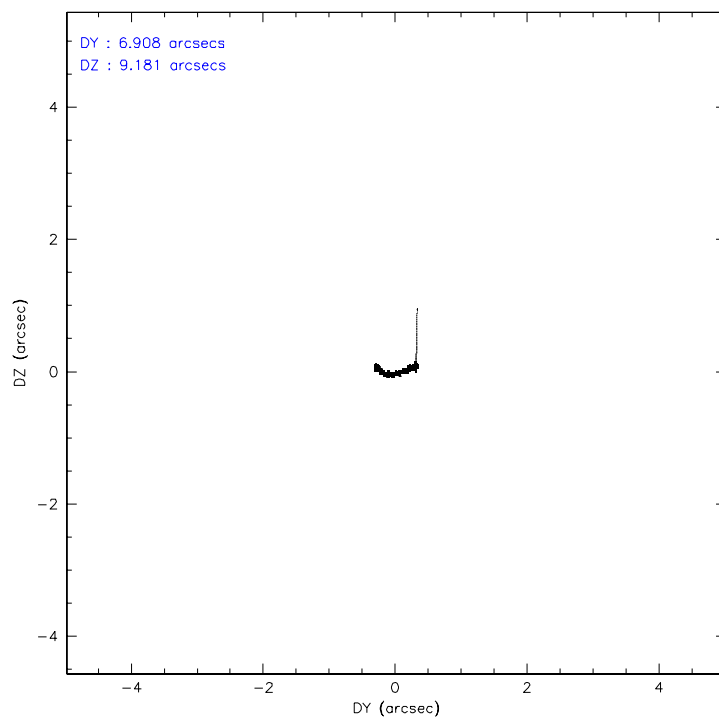
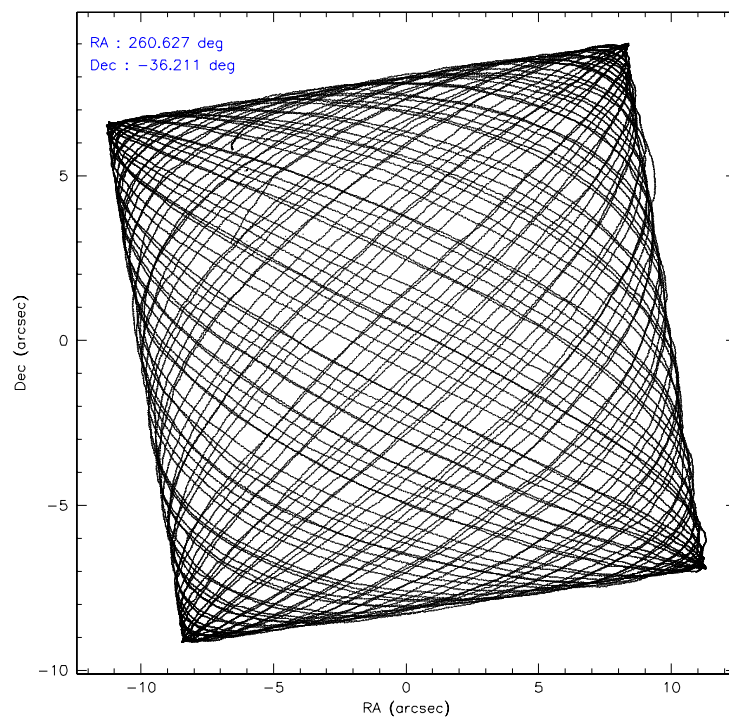
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	299131	289708	470752	301371	419531	381626
rejected events	258656	248754	253004	259517	248916	290556
rejected %	86%	85%	53%	86%	59%	76%

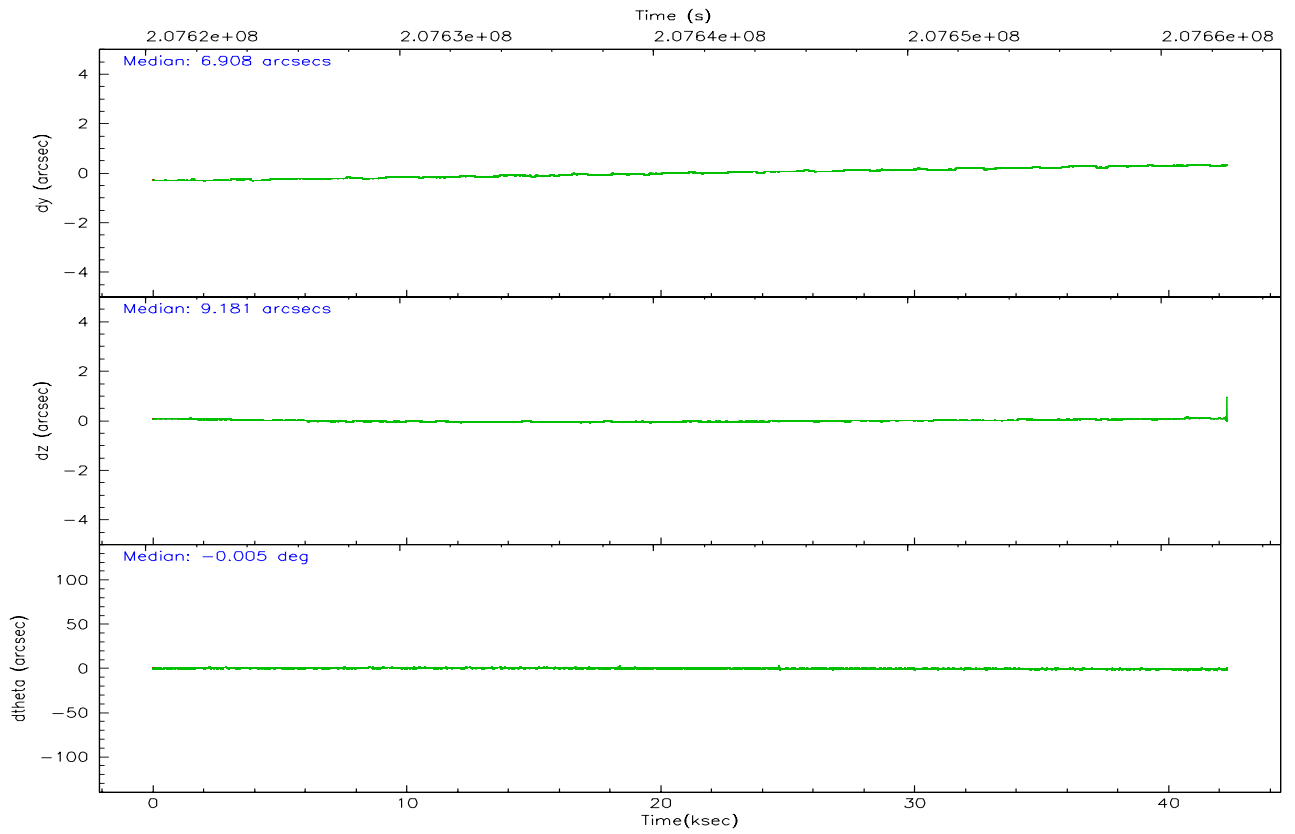
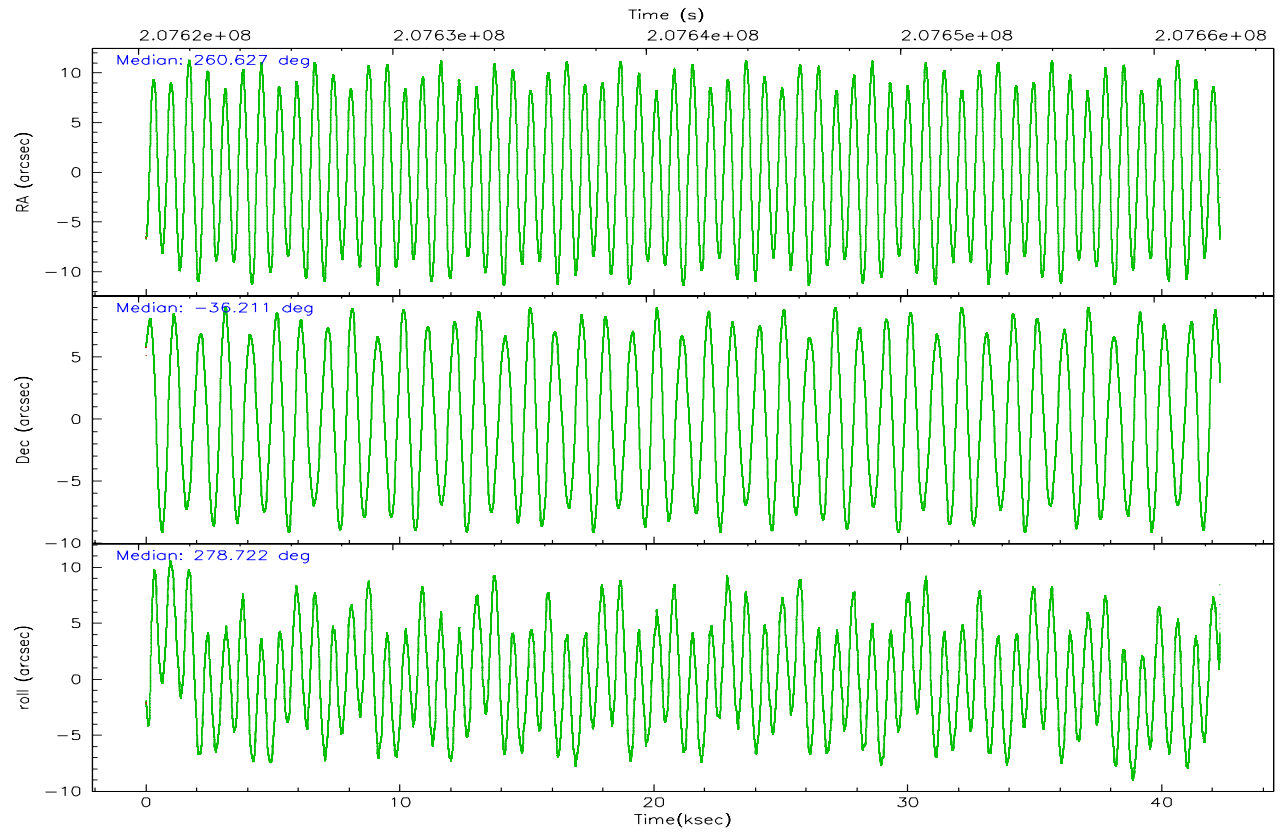
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	19309	19499	18210	18353	9922	31205
	6%	6%	3%	6%	2%	8%
grade 1 events	198	208	327	158	248	299
	0%	0%	0%	0%	0%	0%
grade 2 events	7773	7386	71436	8301	43319	18810
	2%	2%	15%	2%	10%	4%
grade 3 events	3438	3608	4489	3625	8581	9903
	1%	1%	0%	1%	2%	2%
grade 4 events	3509	3634	4327	3708	8512	9080
	1%	1%	0%	1%	2%	2%
grade 5 events	11406	12560	21453	13132	26195	17499
	3%	4%	4%	4%	6%	4%
grade 6 events	6449	6827	120177	7870	101079	22076
	2%	2%	25%	2%	24%	5%
grade 7 events	247049	235986	230333	246224	221675	272754
	82%	81%	48%	81%	52%	71%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-235678	ACIS-235678	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	260.605317	260.6267895166619	Alternating exposures requested	N	N
Pointing Dec	-36.190440	-36.21142344137525	Primary exposure time	0.000000	3.2
Pointing Roll	278.557189	278.7264983491008			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1400660498719			
SIM translation stage offset (mm)	0	0.00754346686406393			
Observation start time	207621029.184000	207619789.05405			
Observation start date	2004-07-31T00:29:25	2004-07-31T00:09:49			
Observation end time	207665401.184000	207662608.43095			
Observation end date	2004-07-31T12:48:57	2004-07-31T12:03:28			
Read mode	TIMED	TIMED			

2.3 Aspect



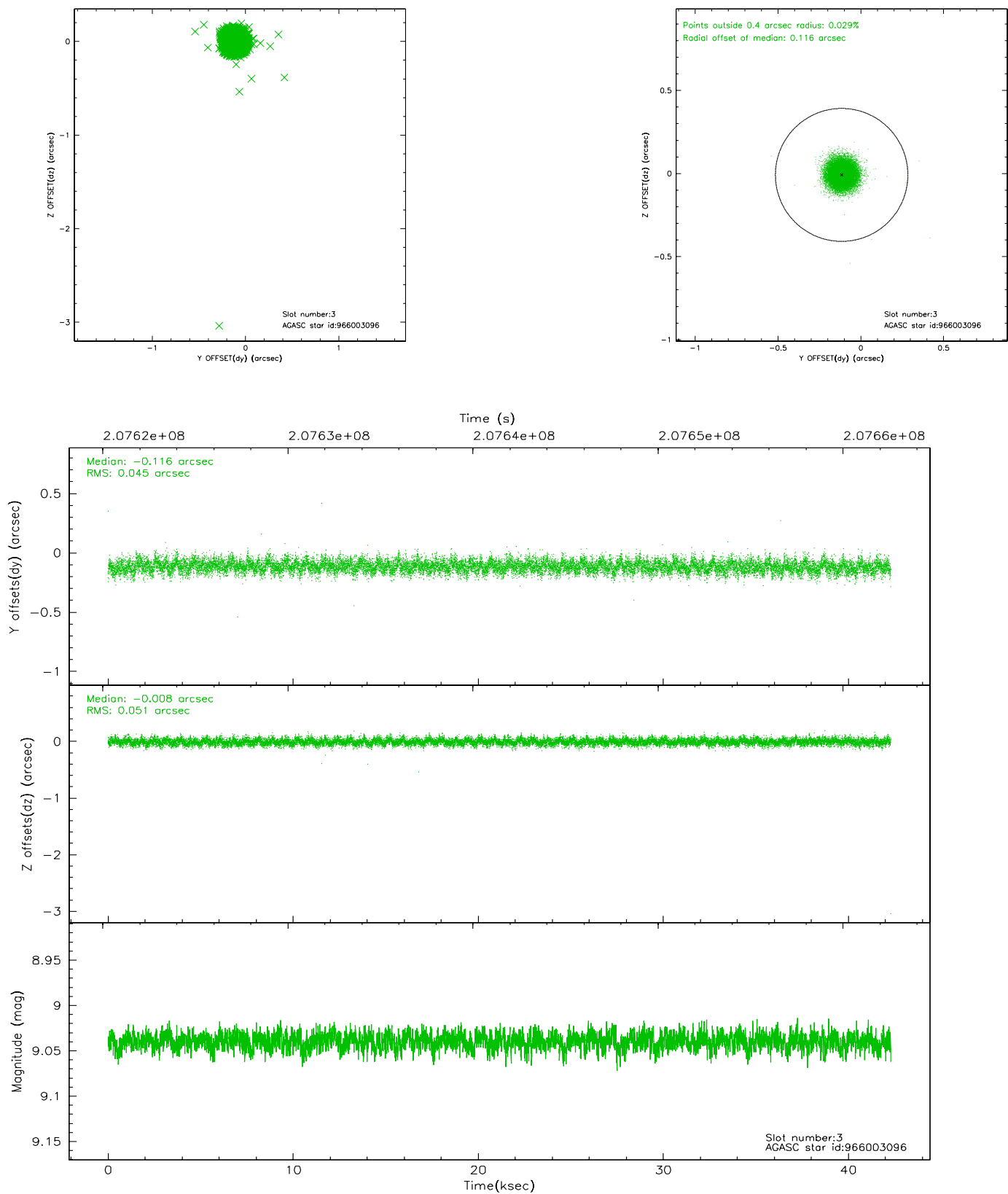


Slot Statistics

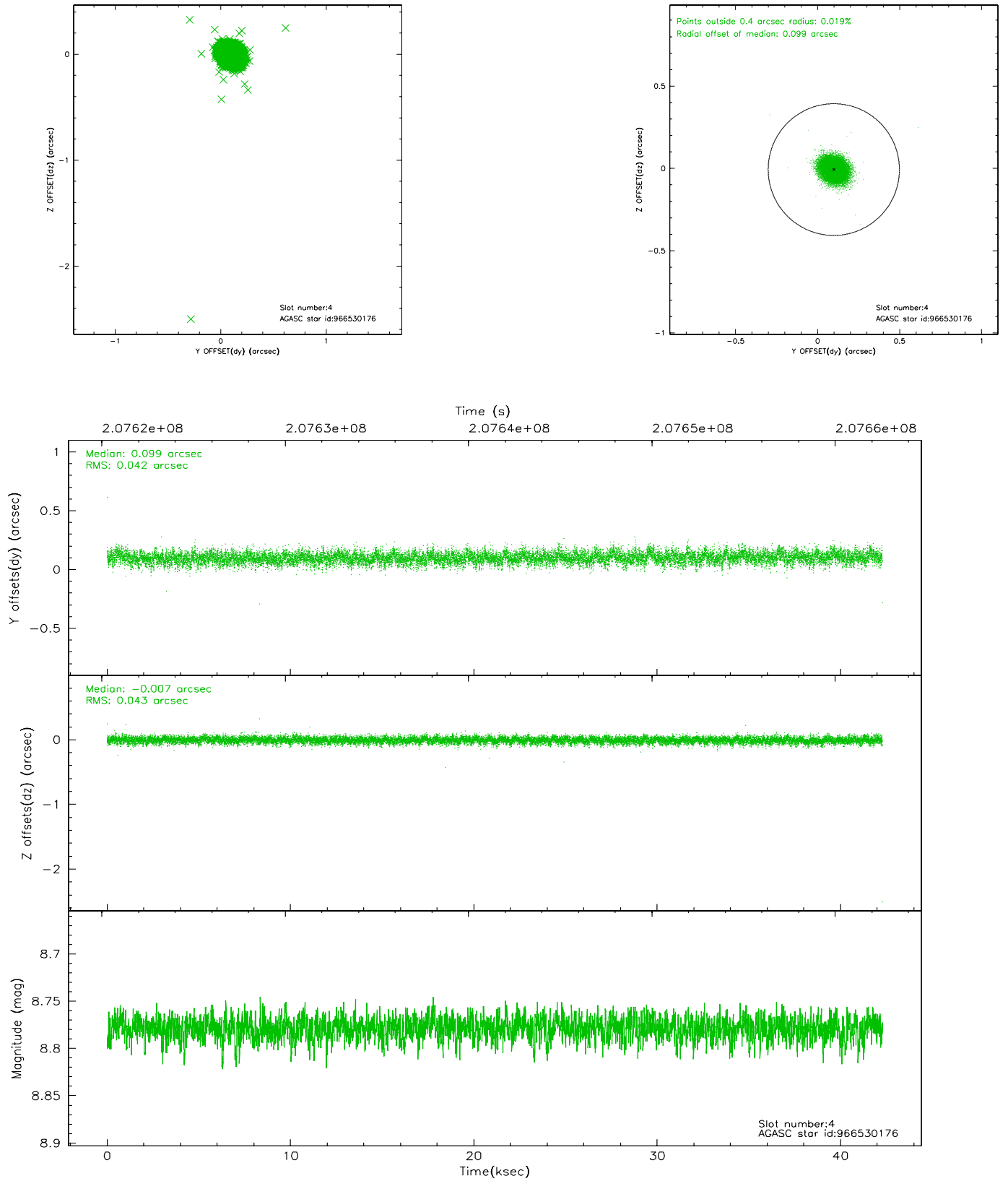
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	10317	0.016	0.015	0.009	0.017	0.000000	0.000000	936.39	-1726.03
1	FID	ACIS-S-5	7.24	10317	-0.034	0.025	0.009	0.015	0.000000	0.000000	-1812.65	171.54
2	FID	ACIS-S-6	7.35	10316	-0.003	-0.028	0.008	0.013	0.000000	0.000000	401.92	815.45
3	GUIDE	966003096	9.04	20616	-0.116	-0.008	0.068	0.112	260.360642	-35.600982	-2203.70	-392.63
4	GUIDE	966530176	8.78	20613	0.099	-0.007	0.060	0.098	260.167913	-36.682742	1568.10	-1512.66
5	GUIDE	966530504	9.02	20621	0.004	-0.053	0.077	0.123	260.219400	-36.072372	-584.56	-1047.52
6	GUIDE	966530544	8.75	20617	0.142	0.086	0.072	0.119	260.631187	-36.513761	1162.81	-98.93
7	GUIDE	966532344	9.30	20618	-0.132	-0.017	0.118	0.180	259.784322	-35.840467	-1591.87	-2183.30

2.4 Star Slots

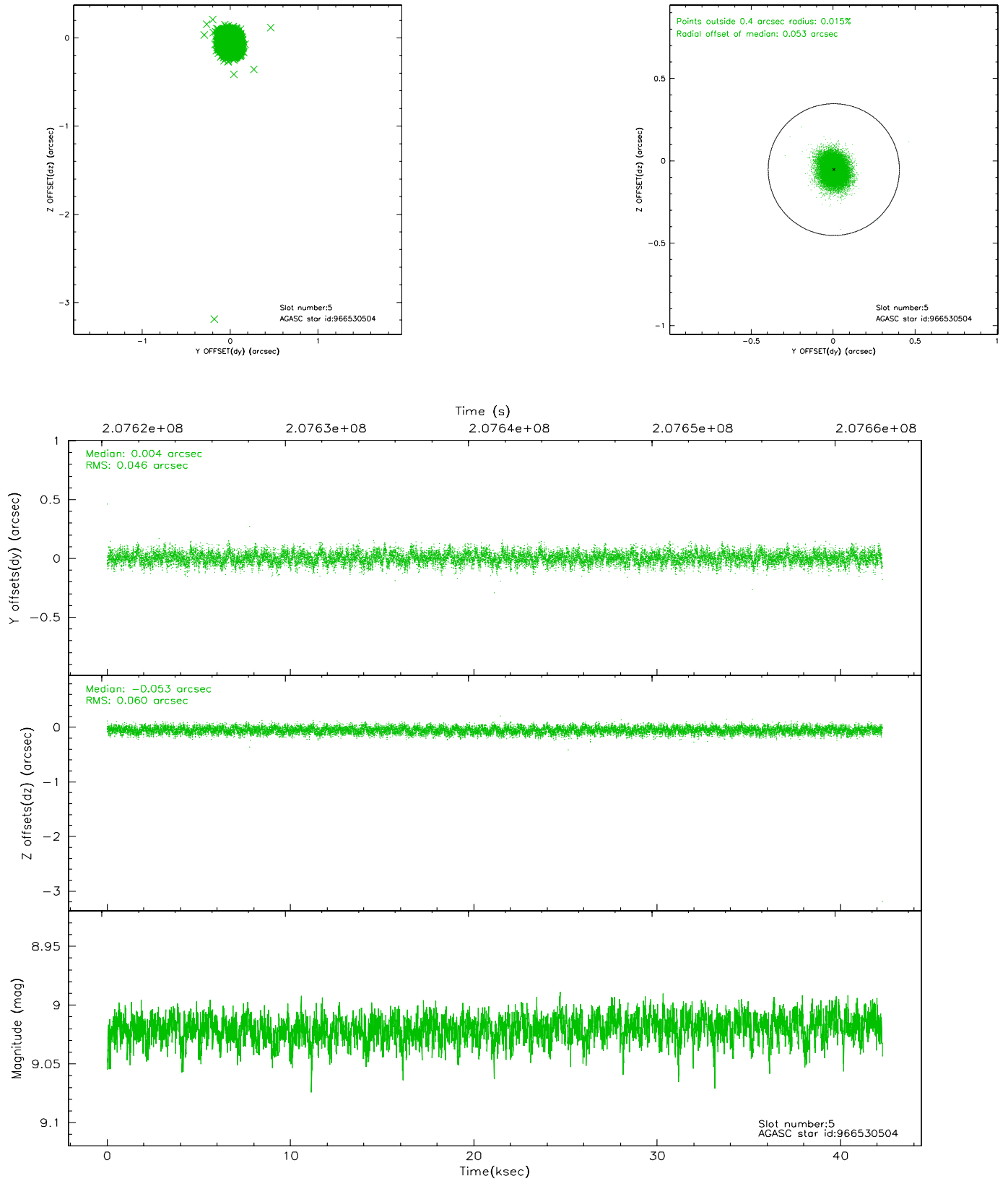
2.4.1 Slot 3



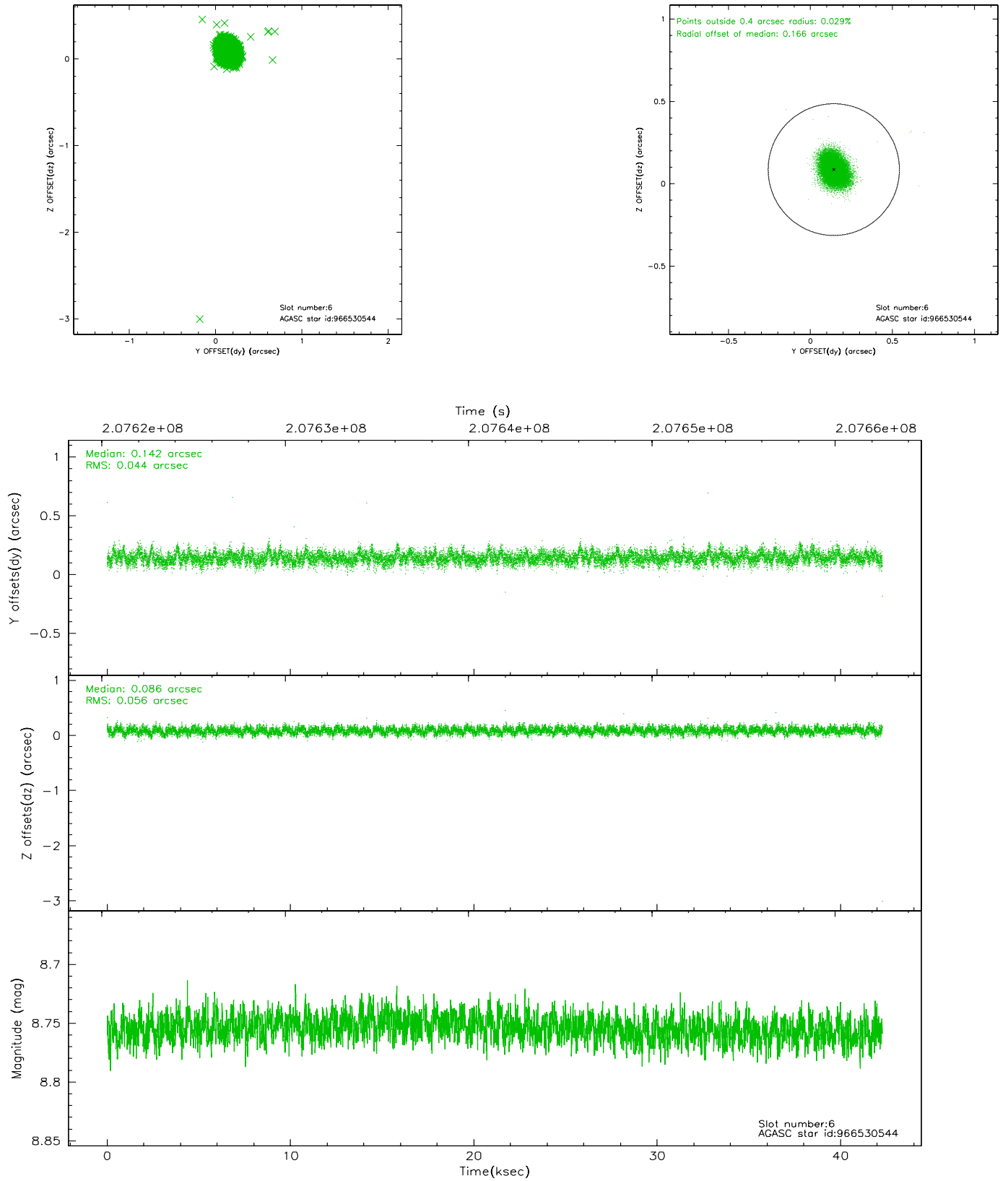
2.4.2 Slot 4



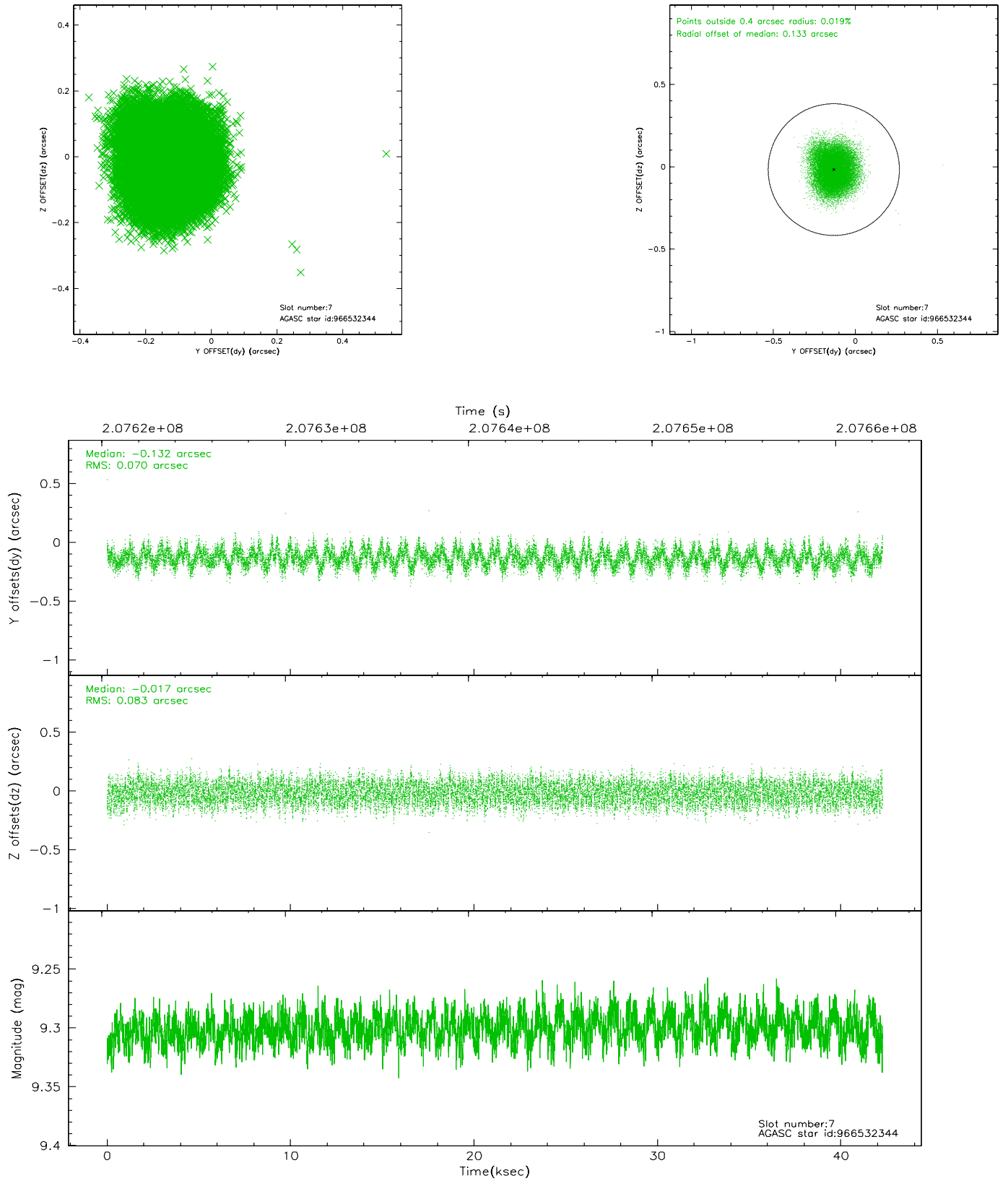
2.4.3 Slot 5



2.4.4 Slot 6

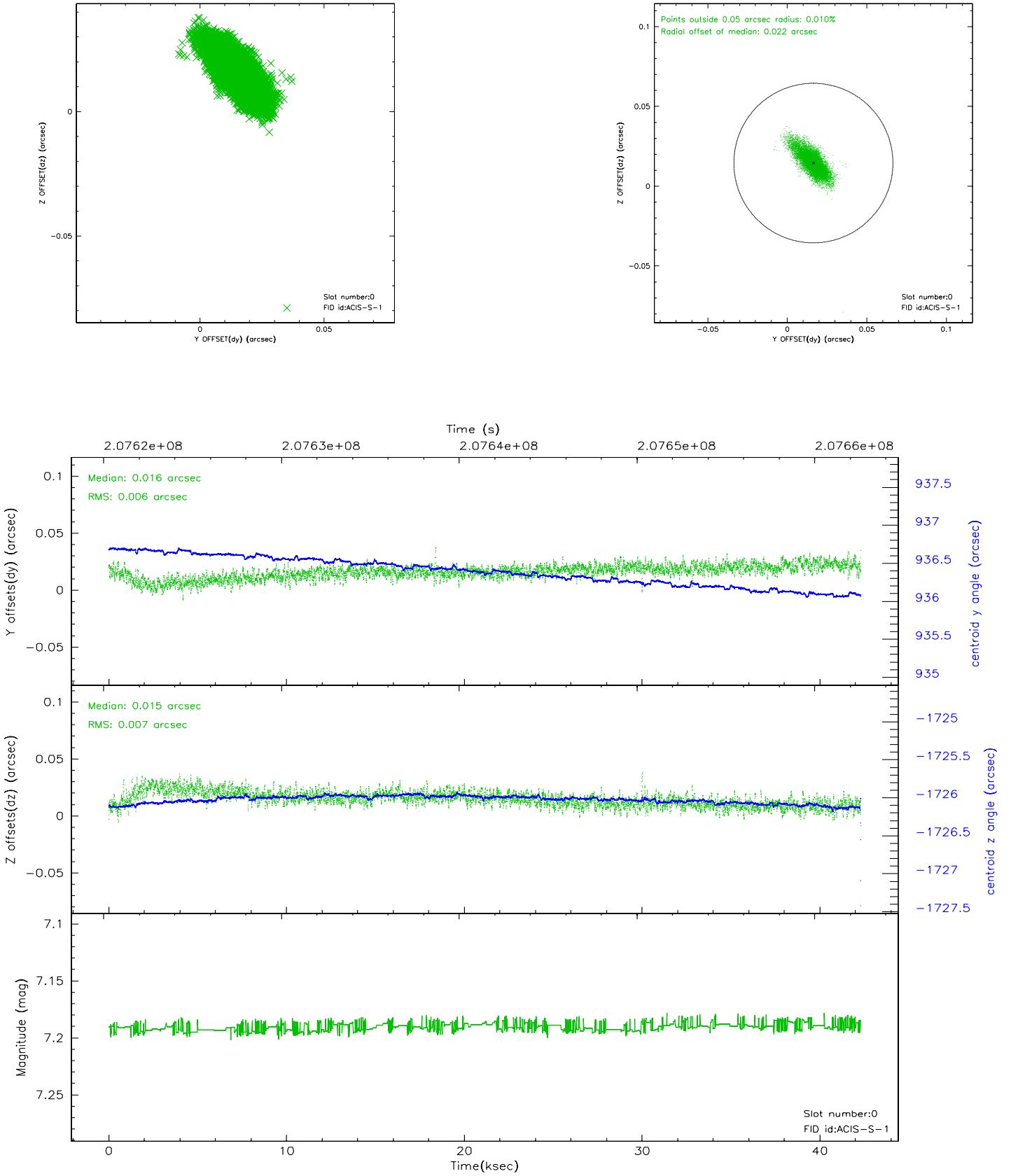


2.4.5 Slot 7

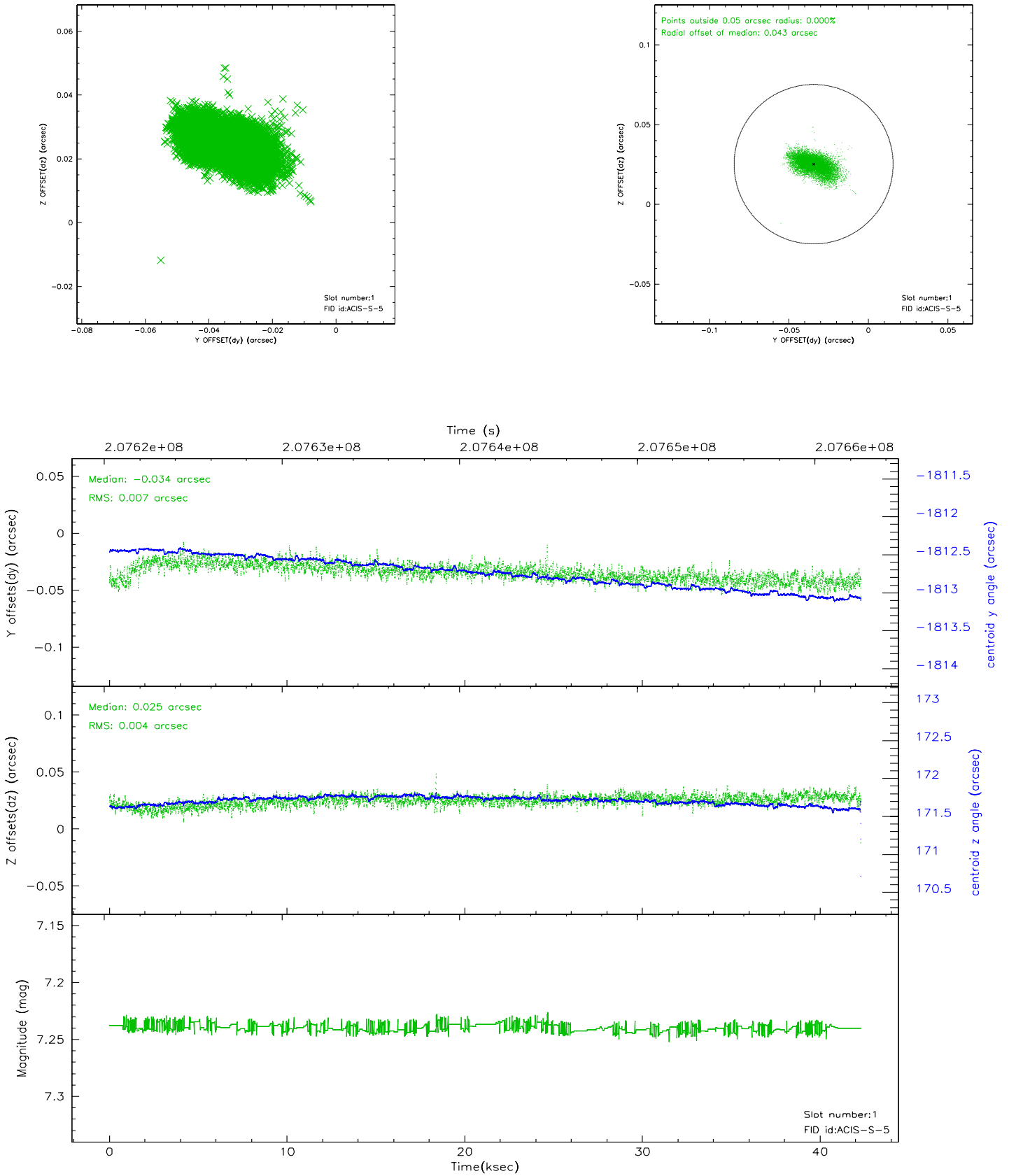


2.5 FID Slots

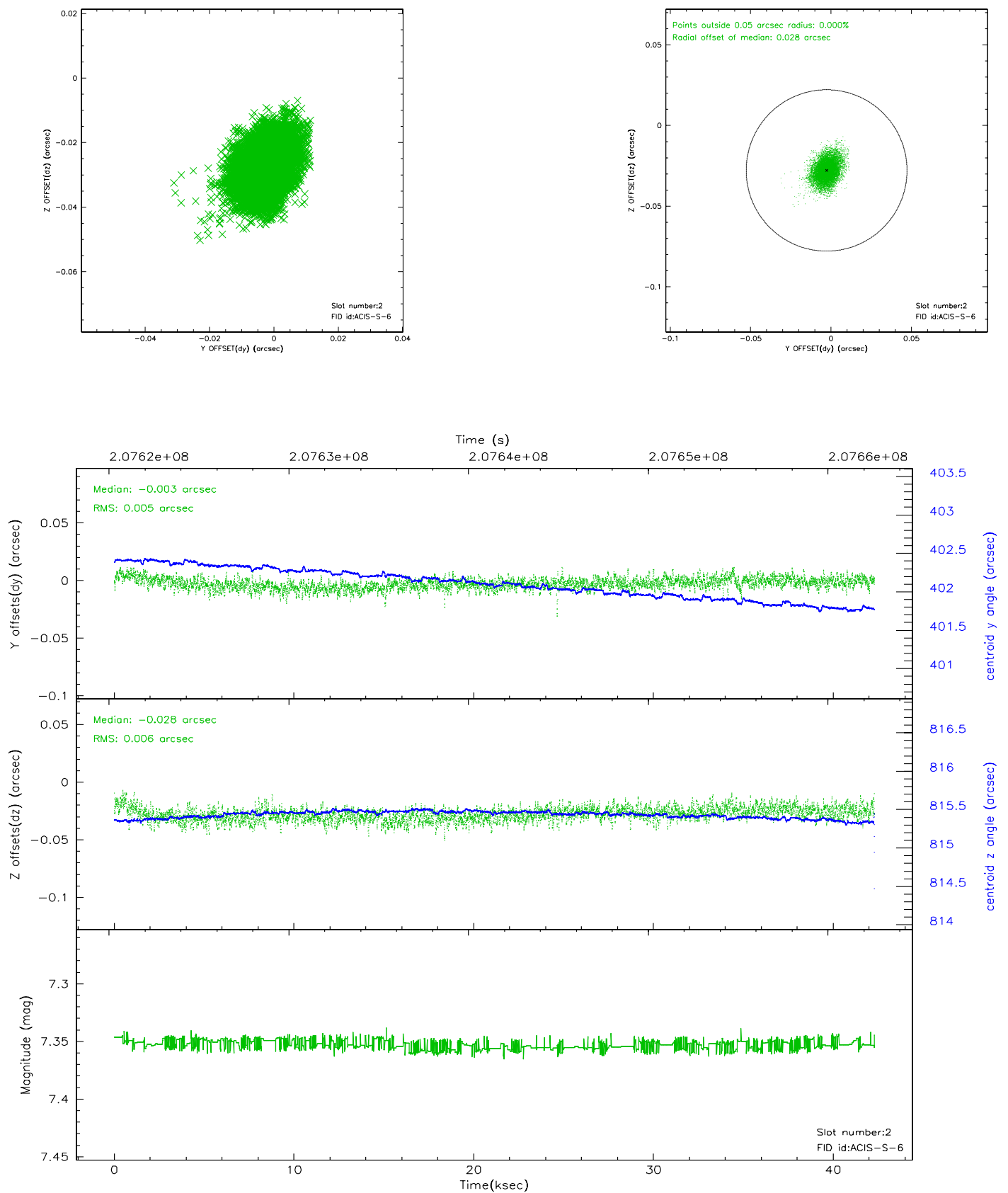
2.5.1 Slot 0



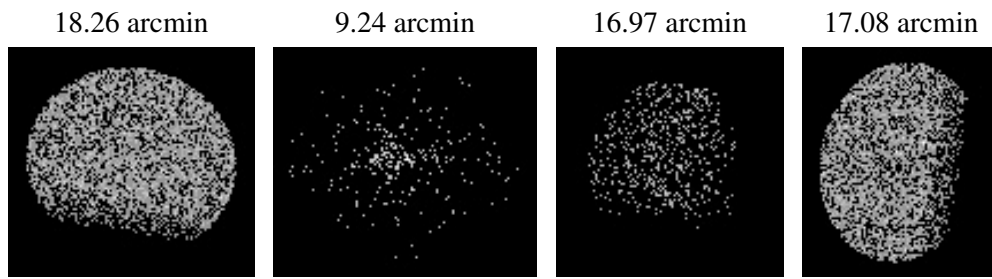
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.08.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	41.497

A.2 Comments

This observation was interrupted by safing of the science instruments onboard Chandra due to high solar radiation environment. The observation was interrupted at 2004:213:12:01. In this version of the software, a few seconds of data are inadvertently included at the end of the observation after the spacecraft and its components began to move. Therefore, the aspect solution is not entirely correct. Software will be modified to correct this situation as soon as feasible. The aspect solution can be corrected in CIAO by removing data from the end of the *asol.fits file that has a timestamp equal to or later than the above interruption time. The Level 1 event file can be recreated using CIAO and the edited *asol.fits file.