

V&V Reference Report

L2 ASCDS Version : 7.6.7

Observation 5766 - L2 Version 002
Chandra X-Ray Center

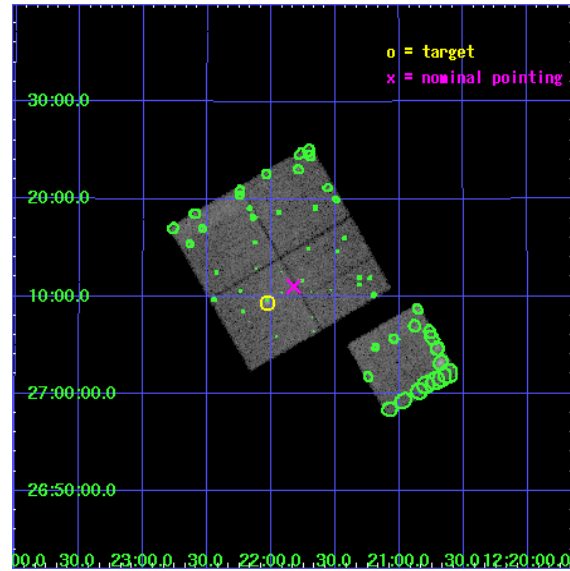
L2 Processing Date: Feb 27 2006

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
3	Point Sources	17
A	Summary	18
A.1	Status	18
A.2	Comments	18

1 Front

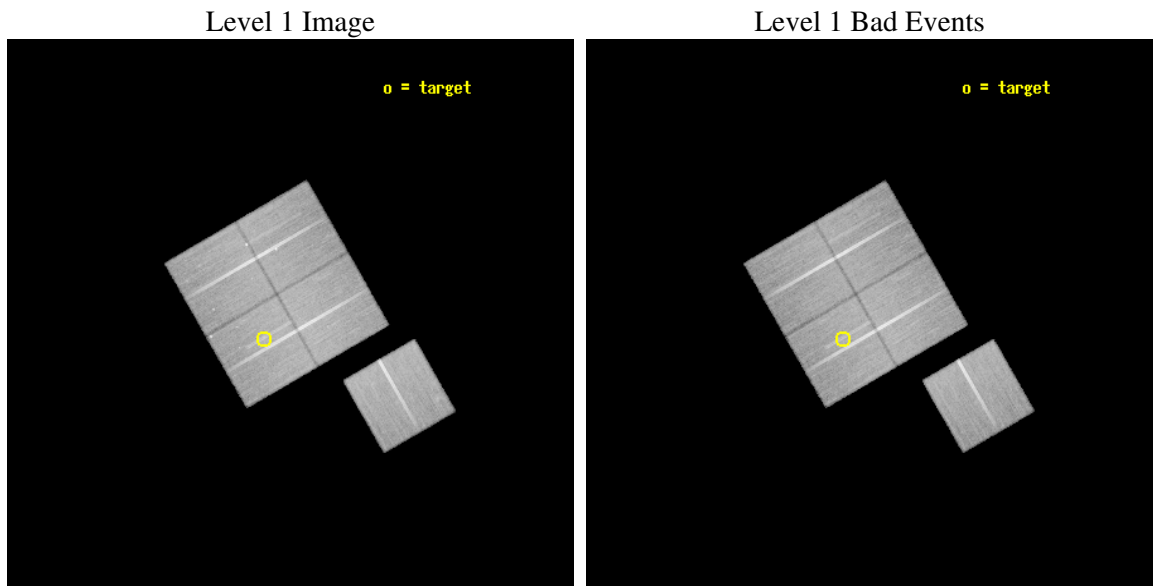
seq_num	800479
obs_id	5766
title	DARK ENERGY WITH X-RAY CLUSTERS: CHANDRA OBSERVATIONS OF 41 HIGH-REDSHIFT CLUSTERS FROM THE 400 deg^2 ROSAT PSPC SURVEY
observer	Dr Alexey Vikhlinin
object	cl1222+2709
dtcycle	0
cycle	P
ra_targ	185.507917
dec_targ	27.155278
ra_nom	185.45617760525
dec_nom	27.184085313303
roll_nom	150.07149493899
revision	2
ontime	49767.358933955
livetime	49117.111751287
ontime0	49761.076923609
ontime1	49764.21792382
ontime2	49764.21792382
ontime3	49767.358933955
ontime6	49764.217913866
l2events	134642



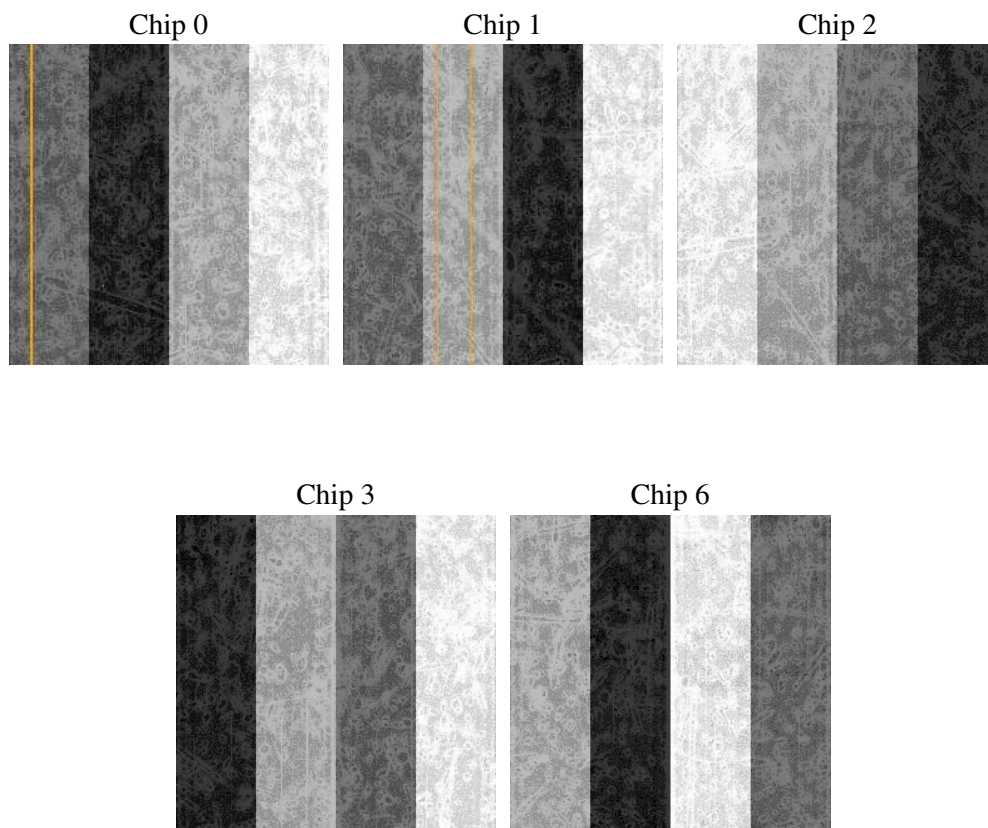
2 OBI

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	2006-02-27T07:36:41
revision	2

sched_exp_time	50000.000000
ontime	49772.505906105
ontime0	49766.223915696
ontime1	49769.364915907
ontime2	49769.364915907
ontime3	49772.505906105
ontime6	49772.505926013
l1events	1538010

2.1.4 Events

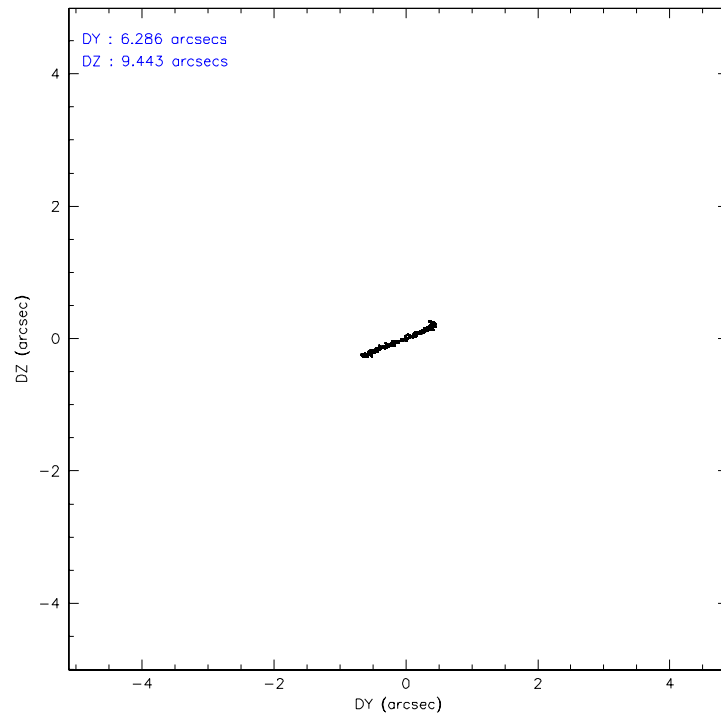
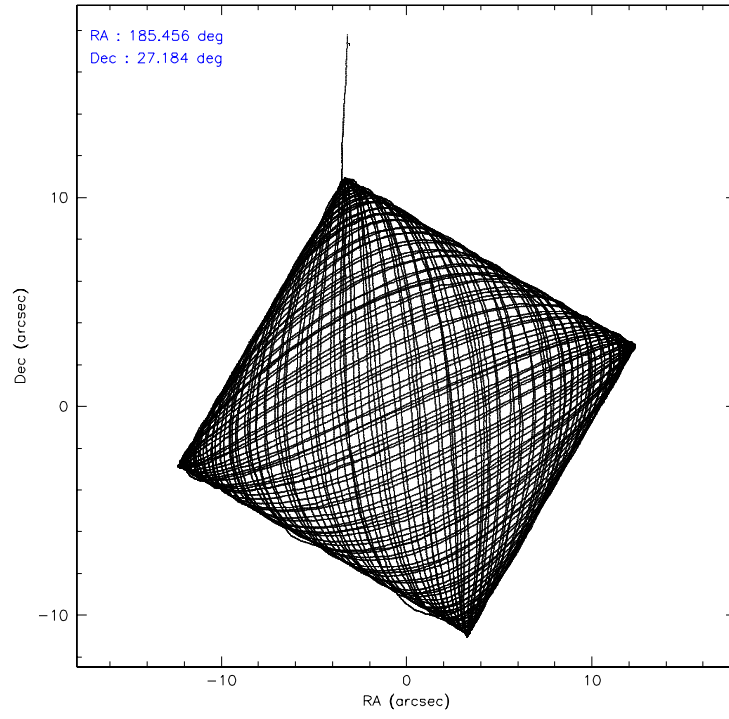
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	289873	295159	328659	311863	312456
rejected events	258923	259039	298480	280667	279929
rejected %	89%	87%	90%	89%	89%

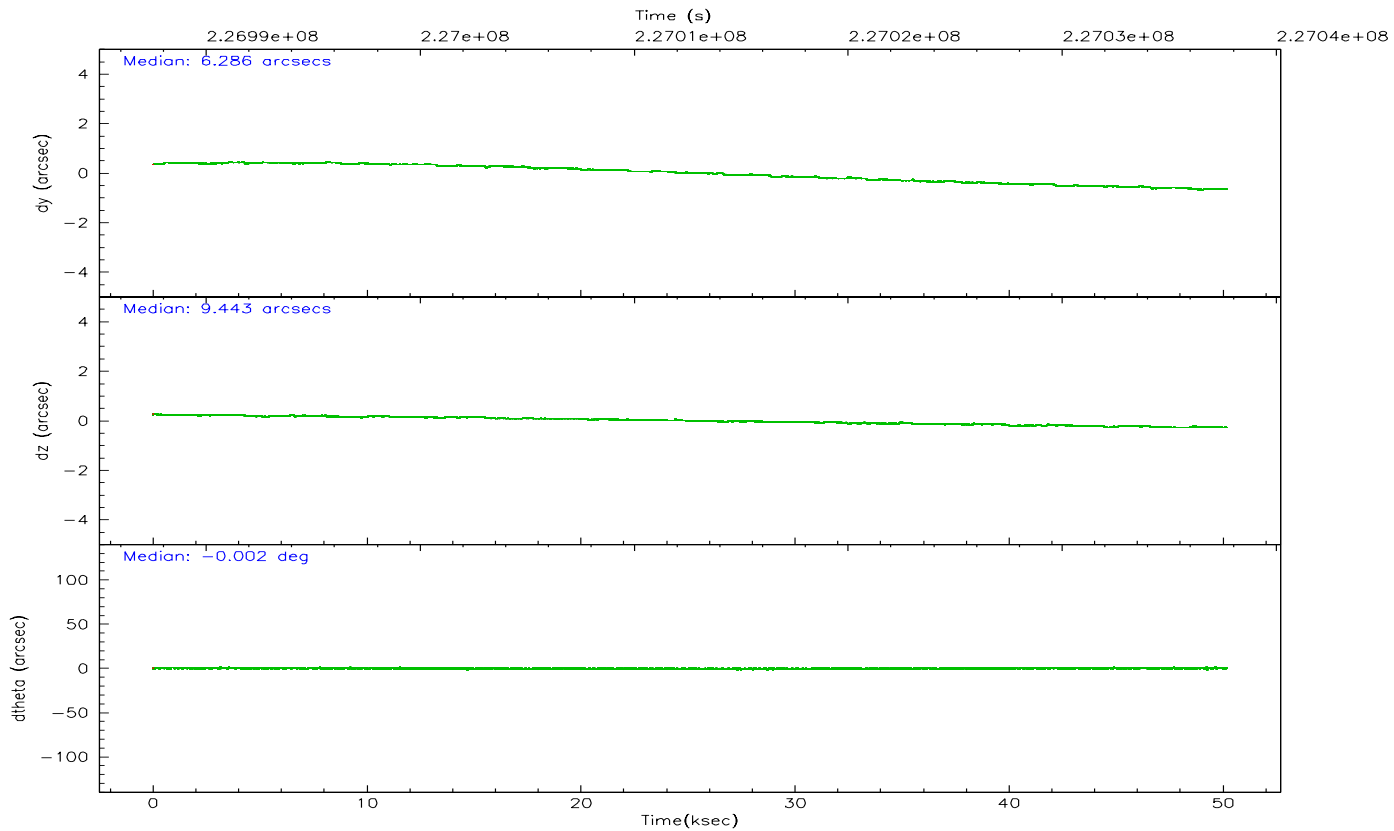
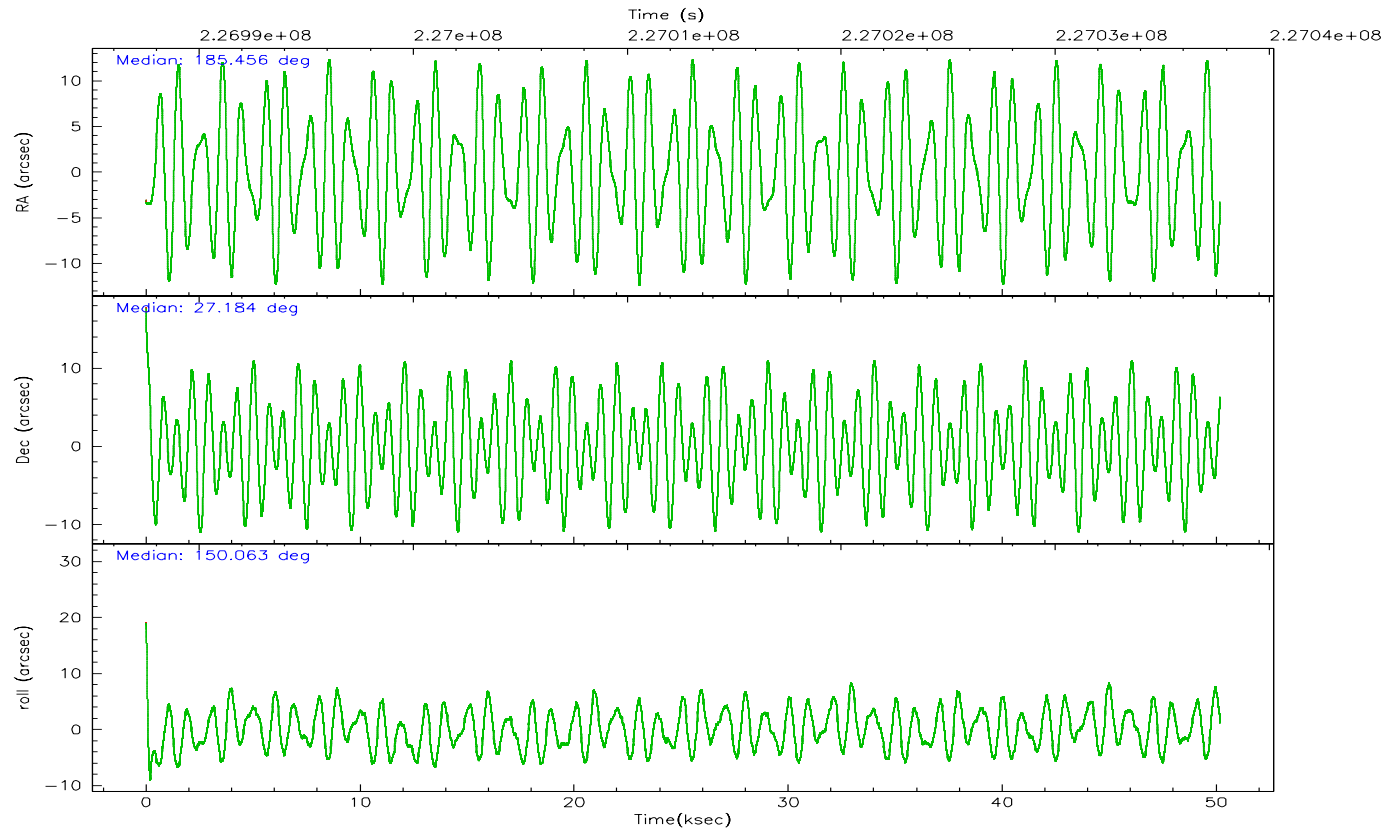
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	11036	13812	10746	12066	11955
	3%	4%	3%	3%	3%
grade 1 events	144	120	145	163	122
	0%	0%	0%	0%	0%
grade 2 events	7239	7764	7136	6434	6687
	2%	2%	2%	2%	2%
grade 3 events	3626	3783	3282	3497	3504
	1%	1%	0%	1%	1%
grade 4 events	3230	3774	3272	3260	3571
	1%	1%	0%	1%	1%
grade 5 events	11235	11754	10480	12632	11989
	3%	3%	3%	4%	3%
grade 6 events	5826	6988	5747	5945	6818
	2%	2%	1%	1%	2%
grade 7 events	247537	247164	287851	267866	267810
	85%	83%	87%	85%	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	185.486964	185.4561776052493	Alternating exposures requested	N	N
Pointing Dec	27.184237	27.18408531330264	Primary exposure time	0.000000	3.1
Pointing Roll	149.848741	150.0714949389932			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-225.840463	-225.8433433320239			
SIM translation stage offset (mm)	-7.752	-7.749109670905796			
Observation start time	226987709.184000	226986731.3485			
Observation start date	2005-03-12T04:07:25	2005-03-12T03:52:11			
Observation end time	227037709.184000	227038062.32583			
Observation end date	2005-03-12T18:00:45	2005-03-12T18:07:42			
Read mode	TIMED	TIMED			

2.3 Aspect



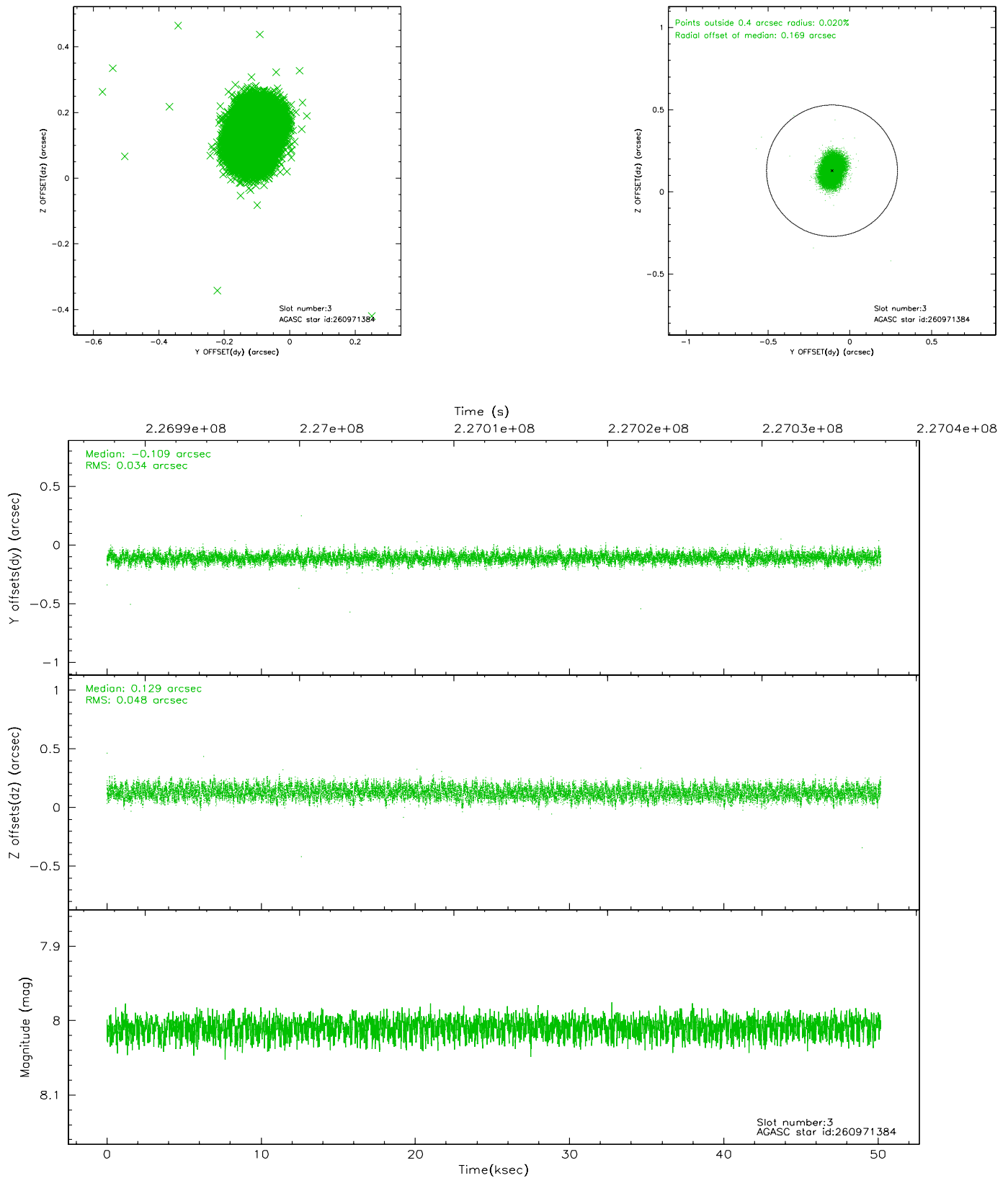


Slot Statistics

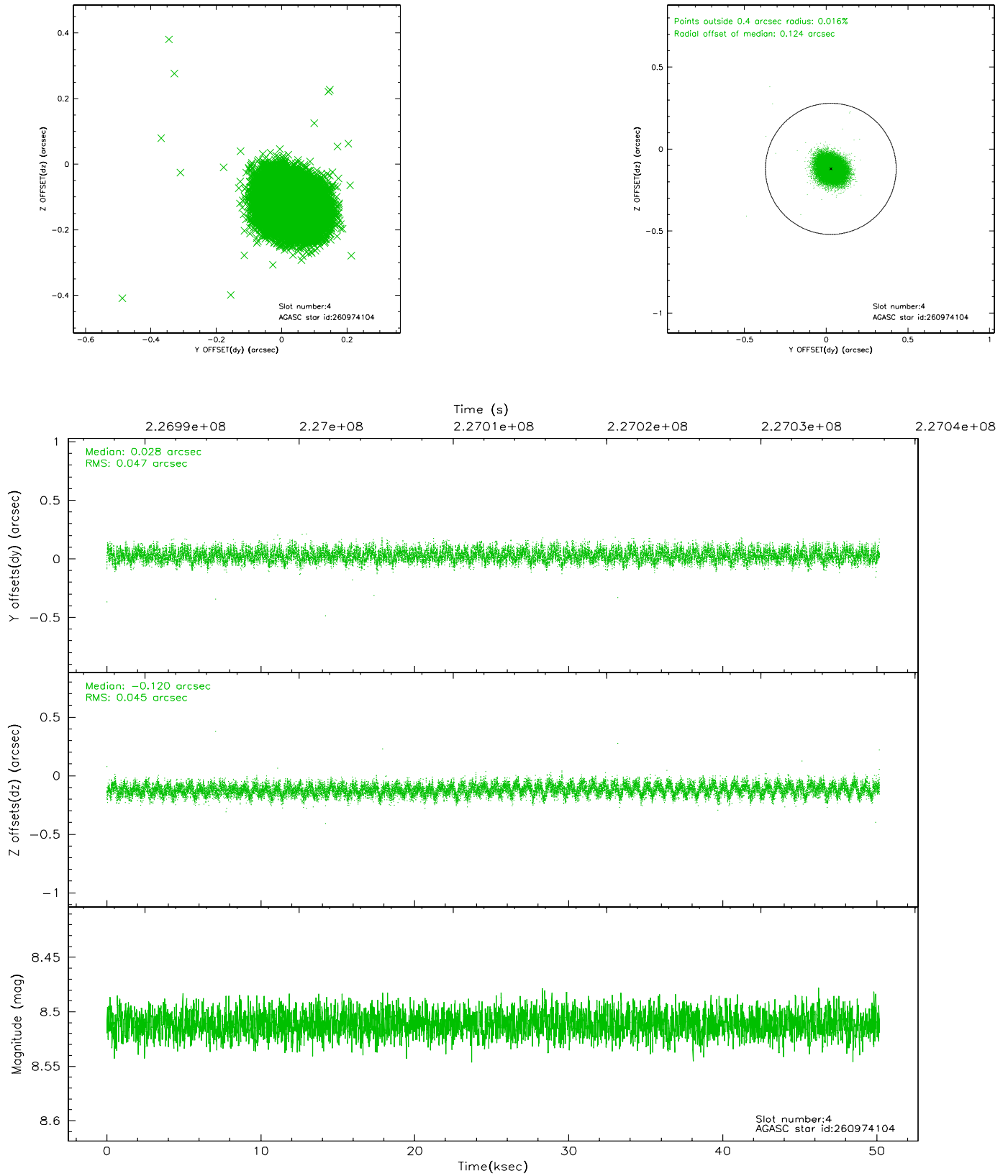
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	12239	0.071	-0.054	0.009	0.015	0.000000	0.000000	933.38	-992.03
1	FID	ACIS-I-5	7.22	12241	-0.210	0.070	0.021	0.028	0.000000	0.000000	-1815.03	905.56
2	FID	ACIS-I-6	7.25	12241	0.046	0.055	0.016	0.022	0.000000	0.000000	398.90	1550.05
3	GUIDE	260971384	8.01	24475	-0.109	0.129	0.063	0.101	185.663575	27.133385	-581.06	-125.87
4	GUIDE	260974104	8.51	24473	0.028	-0.120	0.069	0.109	185.434163	26.608928	-893.44	1876.28
5	GUIDE	260974120	9.23	24470	0.073	-0.010	0.092	0.146	185.874305	26.565737	-2196.03	1297.37
6	GUIDE	260974536	8.66	24463	0.034	0.035	0.062	0.101	185.484020	27.309502	234.72	-384.68
7	GUIDE	260974856	7.47	24480	-0.025	-0.033	0.050	0.085	185.643318	26.621538	-1452.57	1498.90

2.4 Star Slots

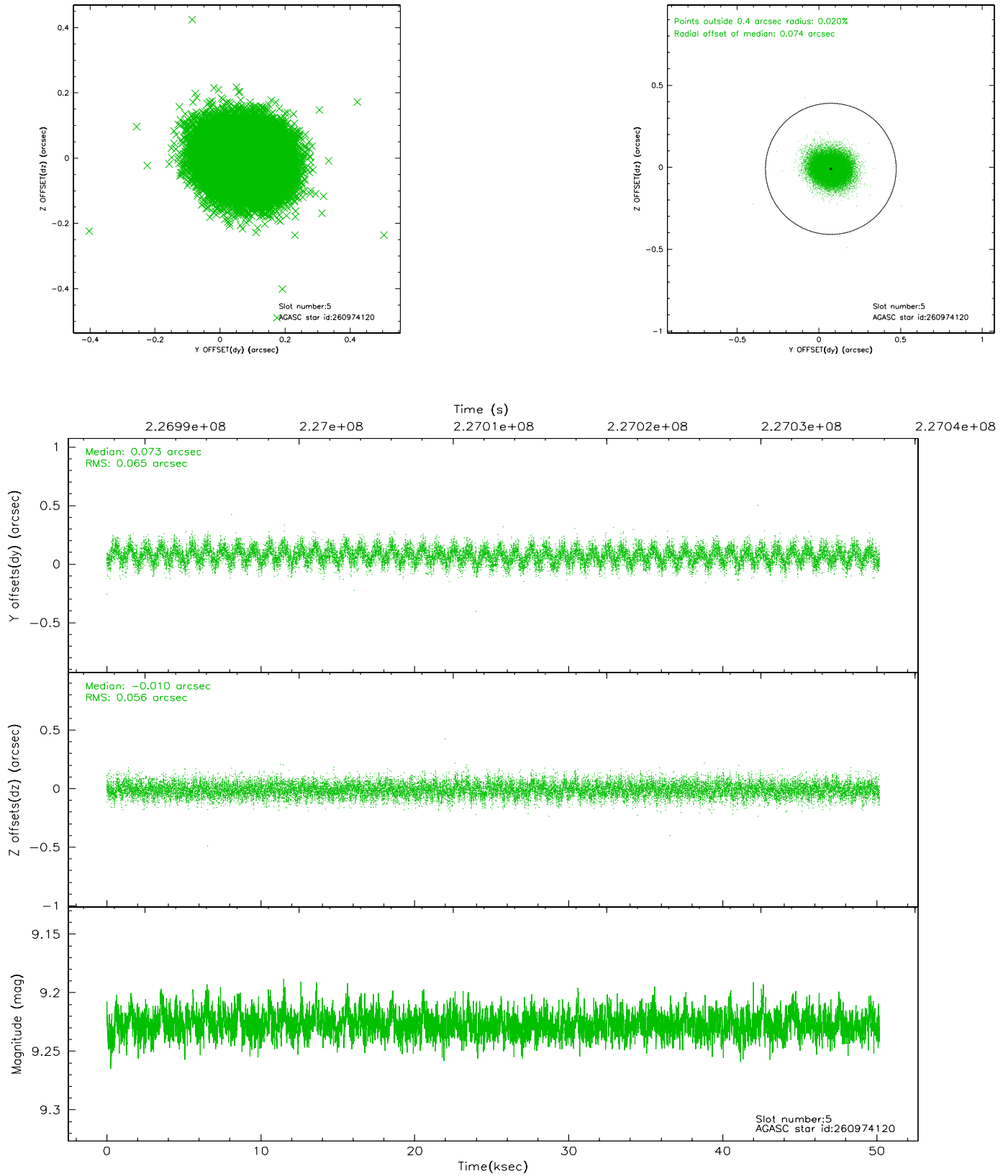
2.4.1 Slot 3



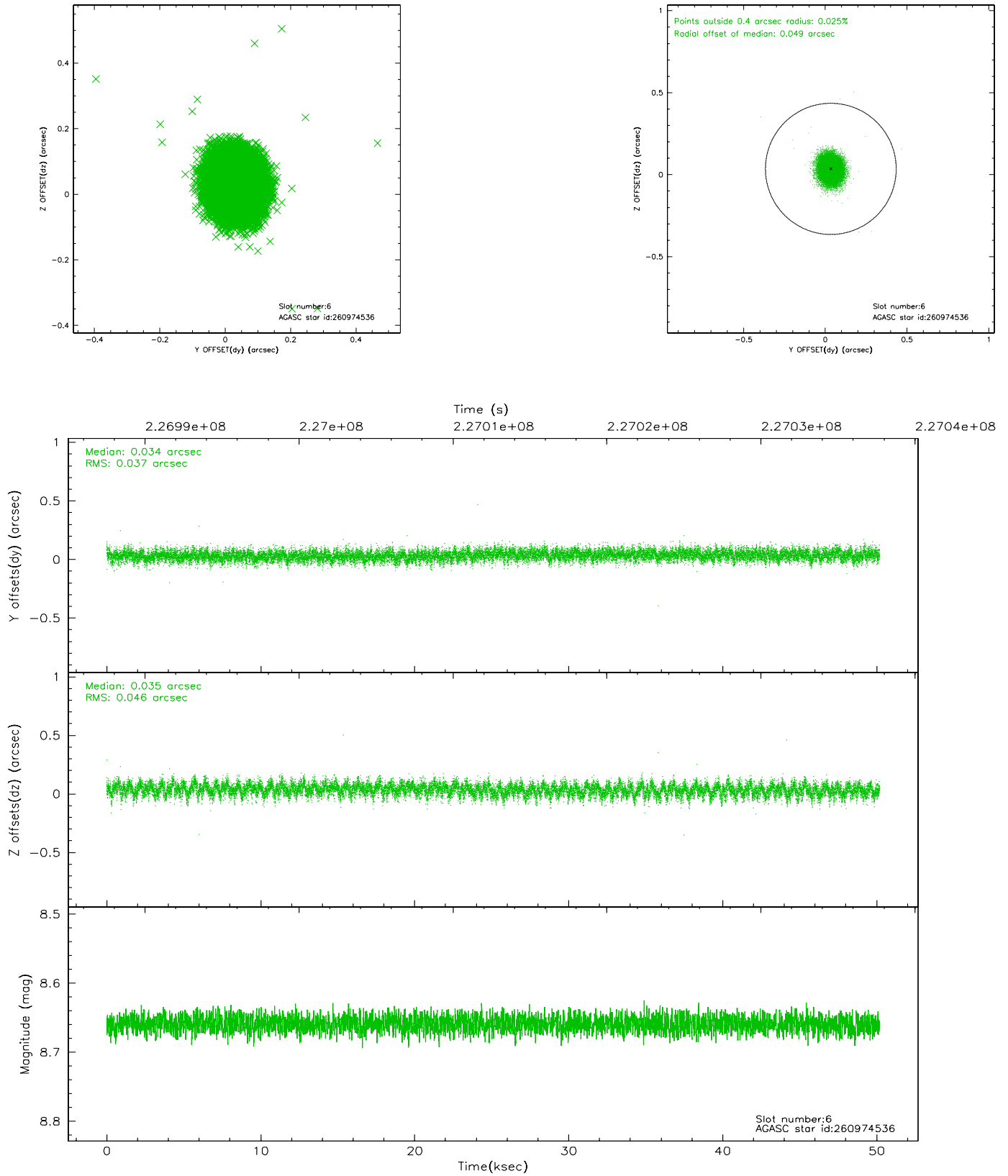
2.4.2 Slot 4



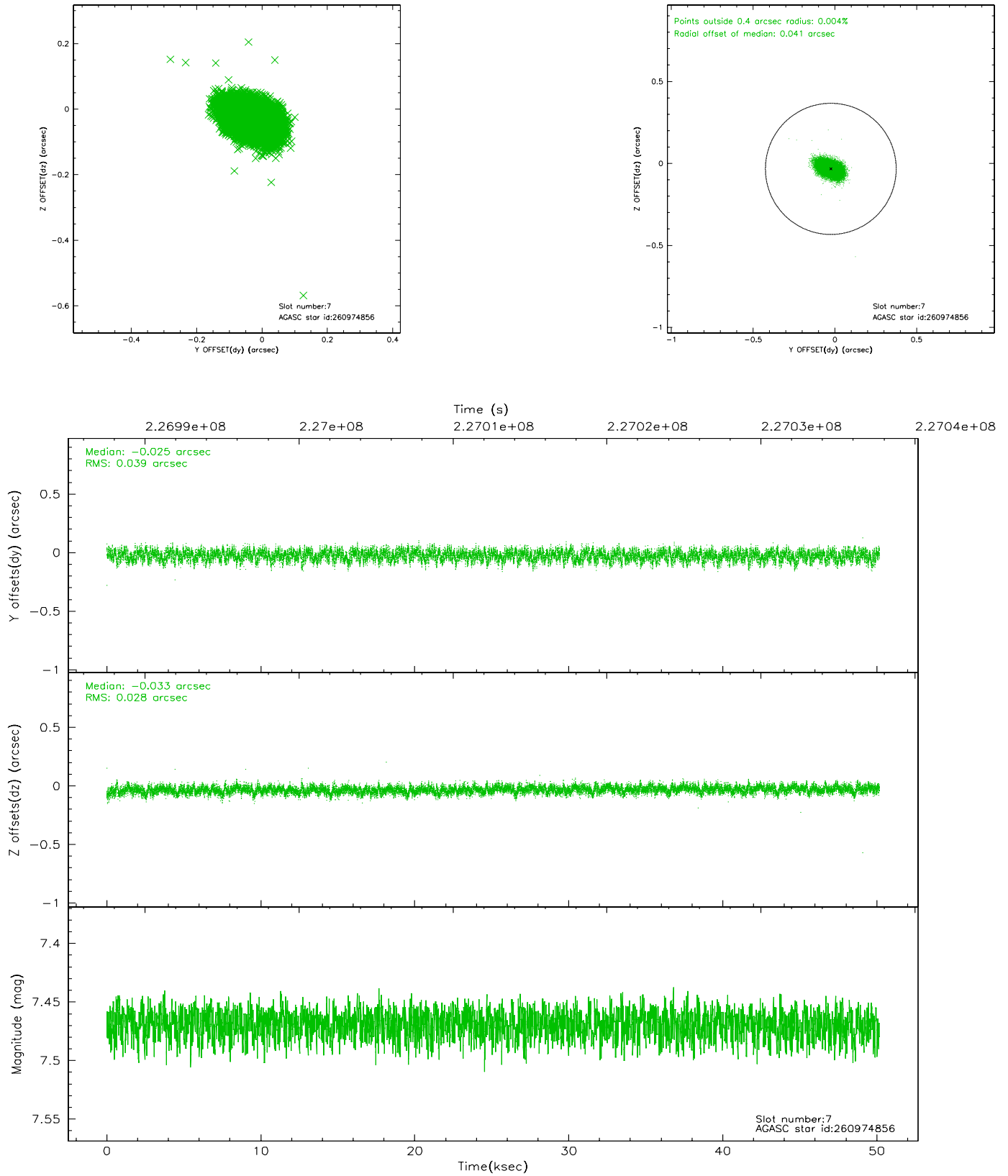
2.4.3 Slot 5



2.4.4 Slot 6

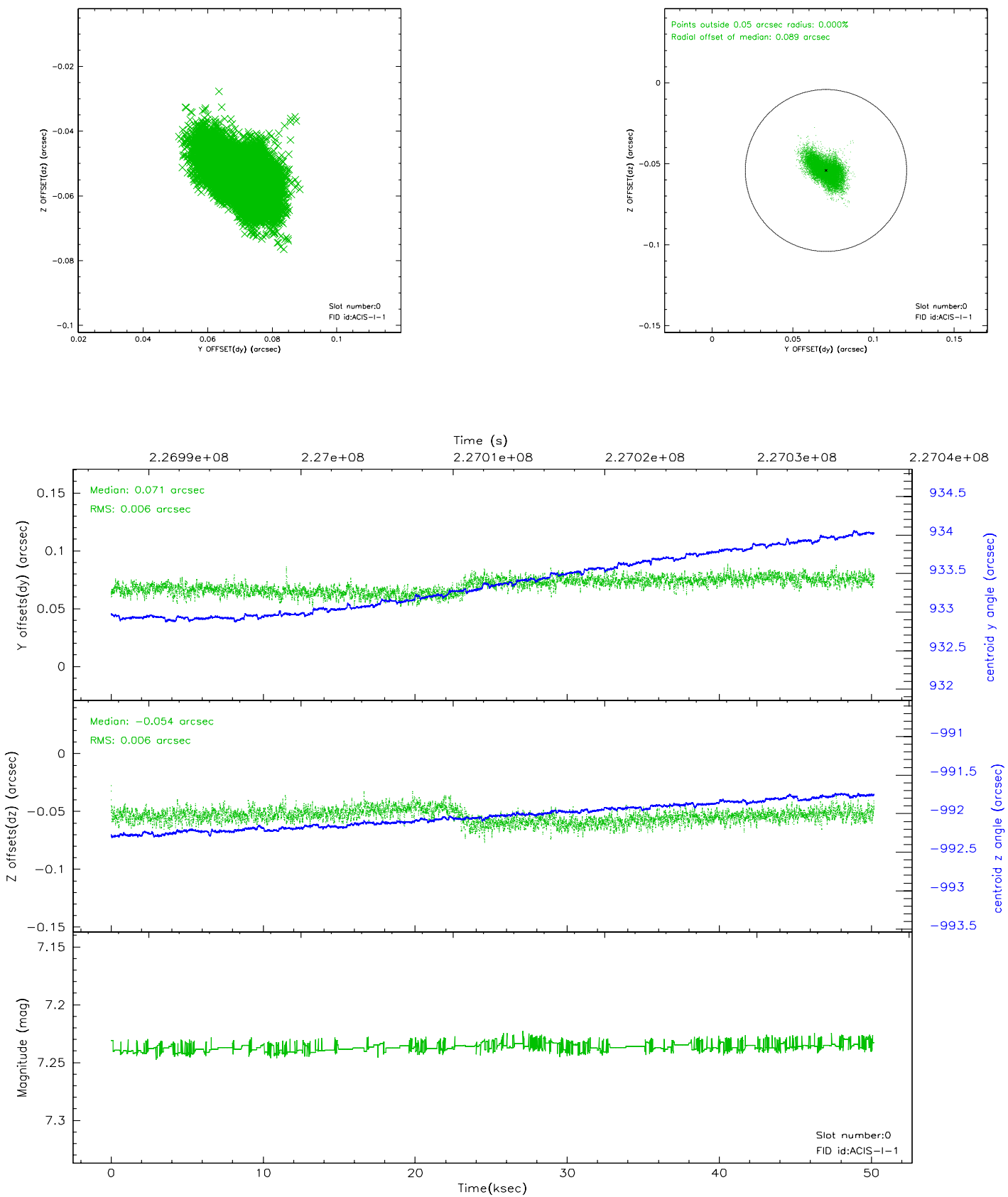


2.4.5 Slot 7

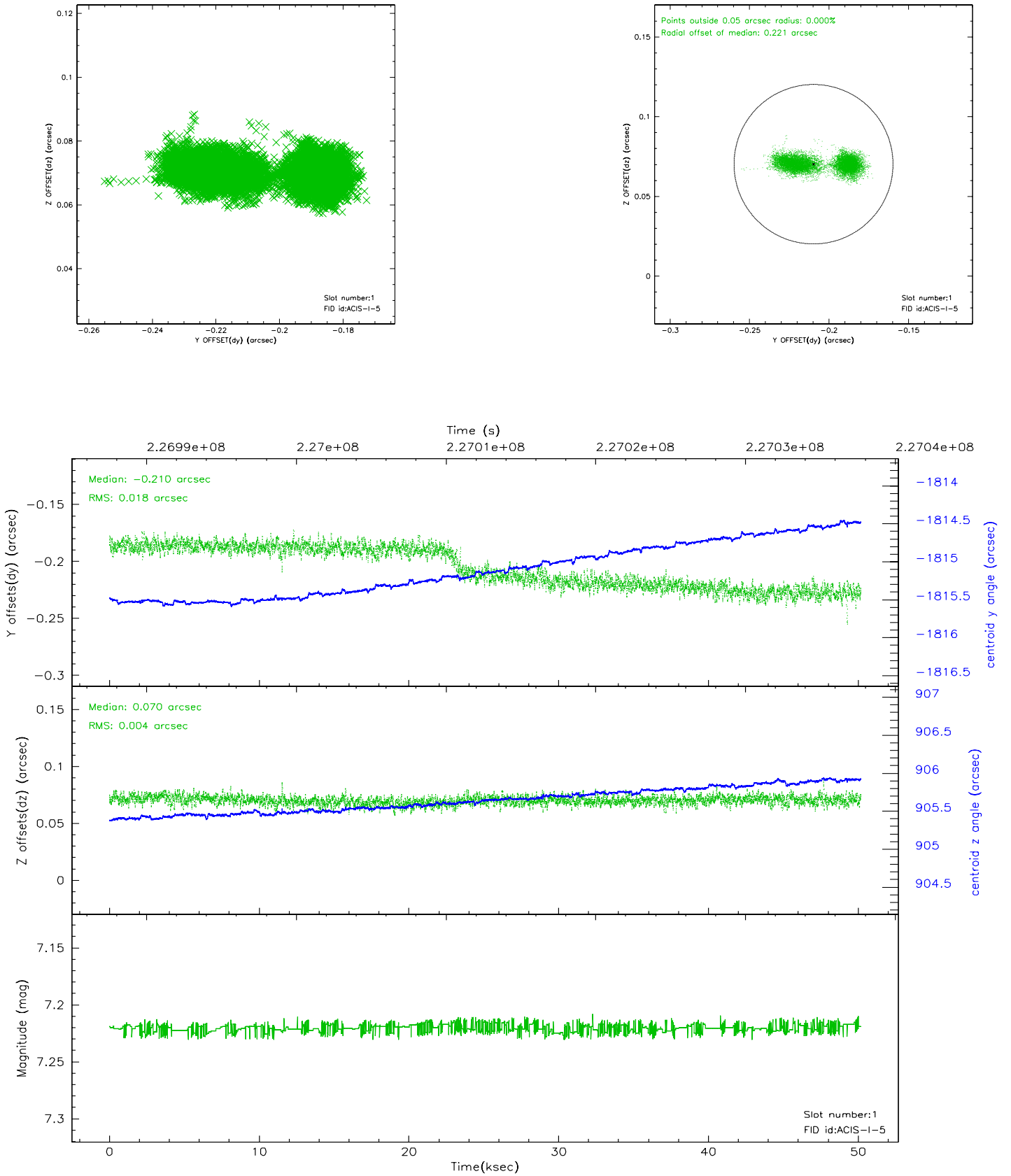


2.5 FID Slots

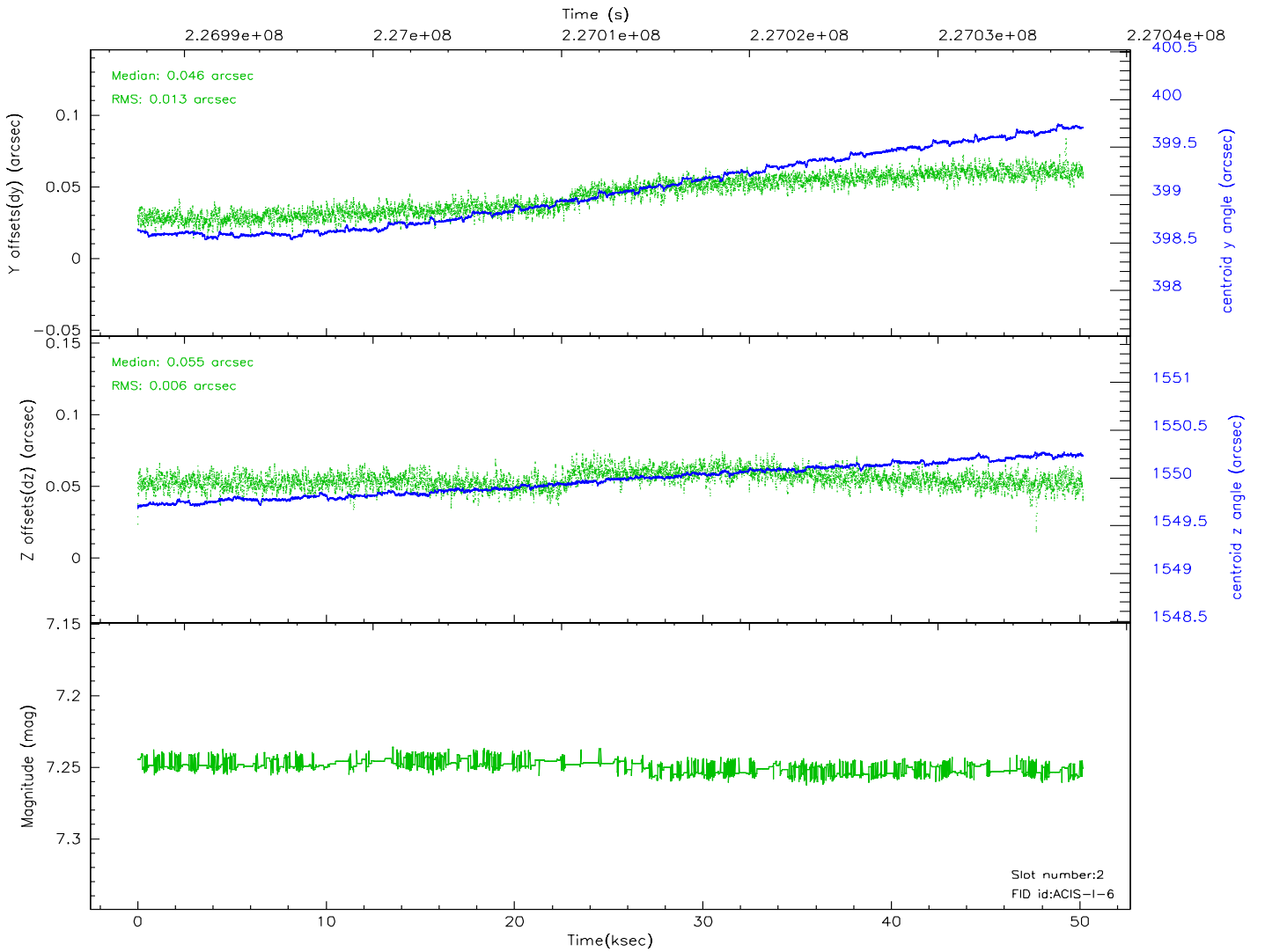
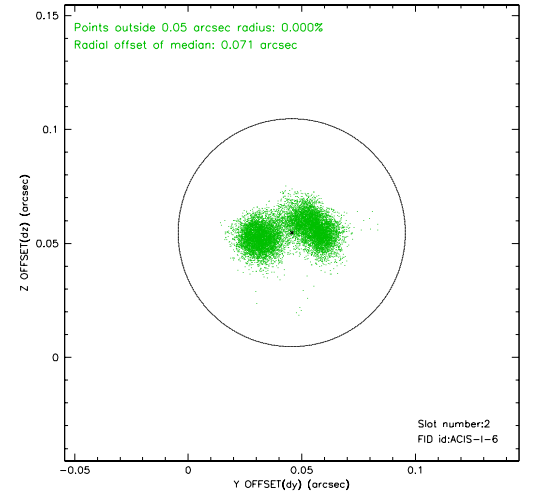
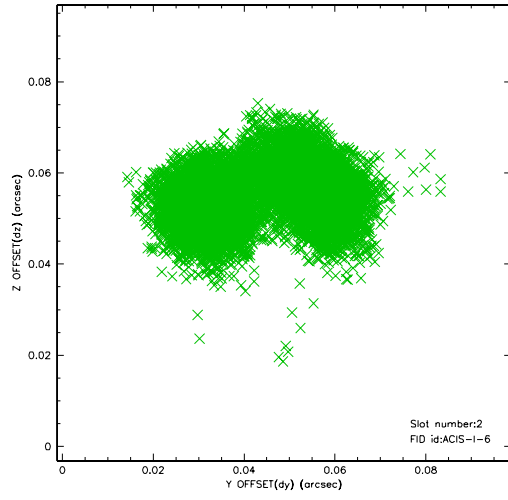
2.5.1 Slot 0



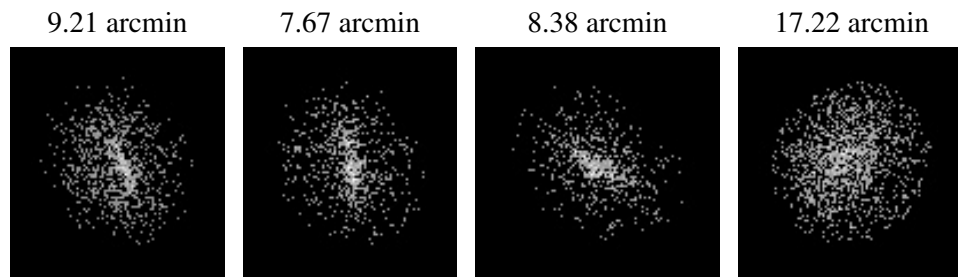
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.02.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	49.76735

A.2 Comments