

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 6170 - L2 Version 002
Chandra X-Ray Center

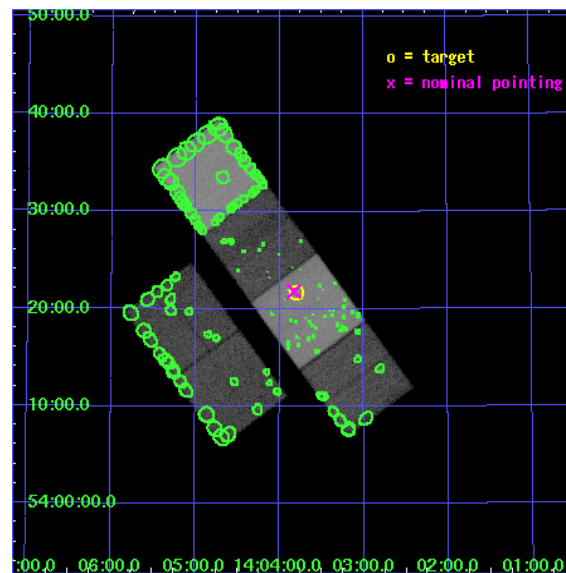
L2 Processing Date : Apr 7 2006

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1 Front

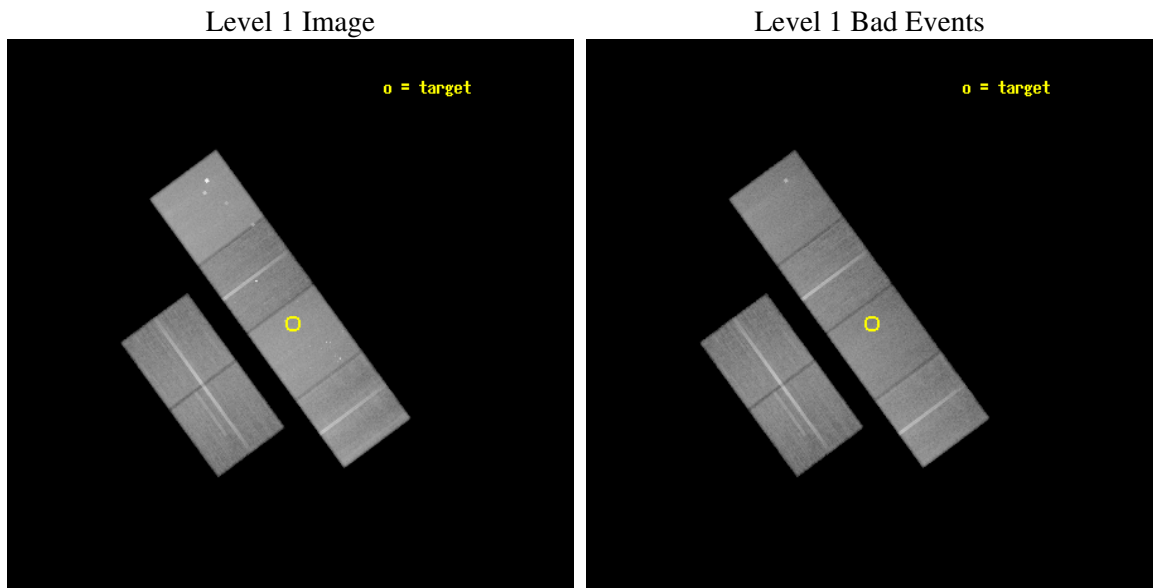
seq_num	600392
obs_id	6170
title	An Ultra-Deep Study of M101
observer	Dr. K. Kuntz
object	M101
dtcycle	0
cycle	P
ra_targ	210.950833
dec_targ	54.361389
ra_nom	210.95723535279
dec_nom	54.363620523092
roll_nom	53.702428111998
revision	2
ontime	48563.199819088
livetime	47948.26334173
ontime2	48556.717868507
ontime3	48556.717848599
ontime5	48563.199819088
ontime6	48556.717858553
ontime7	48563.199819088
ontime8	48553.477047712
l2events	614253



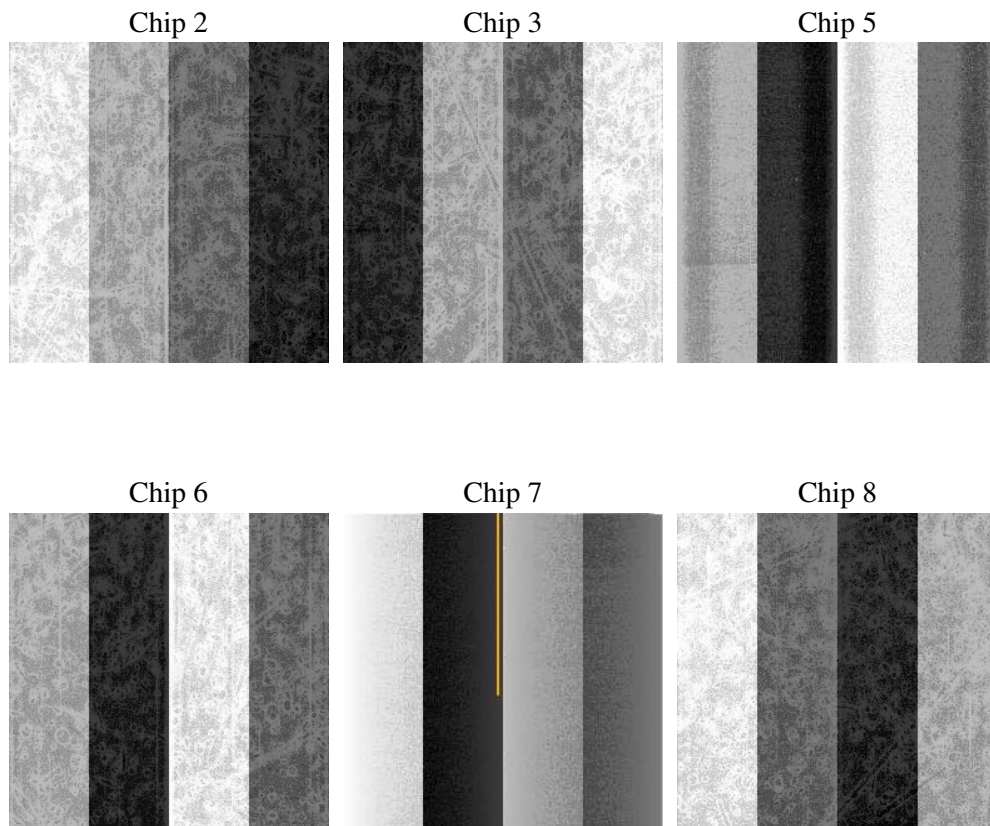
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.1
caldsver	3.2.1
date	2006-04-07T09:42:47
revision	2

sched_exp_time	48400.000000
ontime	48615.049130082
ontime2	48608.567159593
ontime3	48608.567159593
ontime5	48615.049130082
ontime6	48608.567149639
ontime7	48615.049130082
ontime8	48605.326358706
l1events	2713116

2.1.4 Events

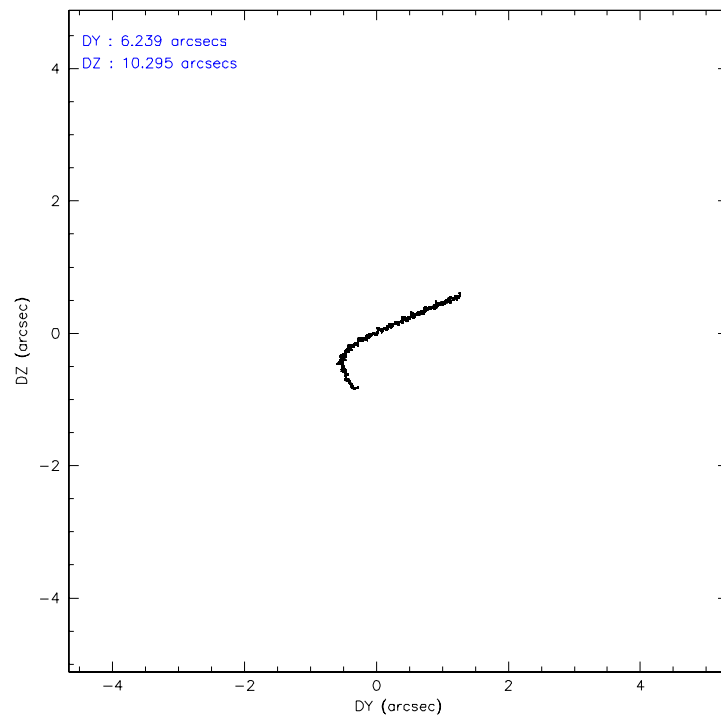
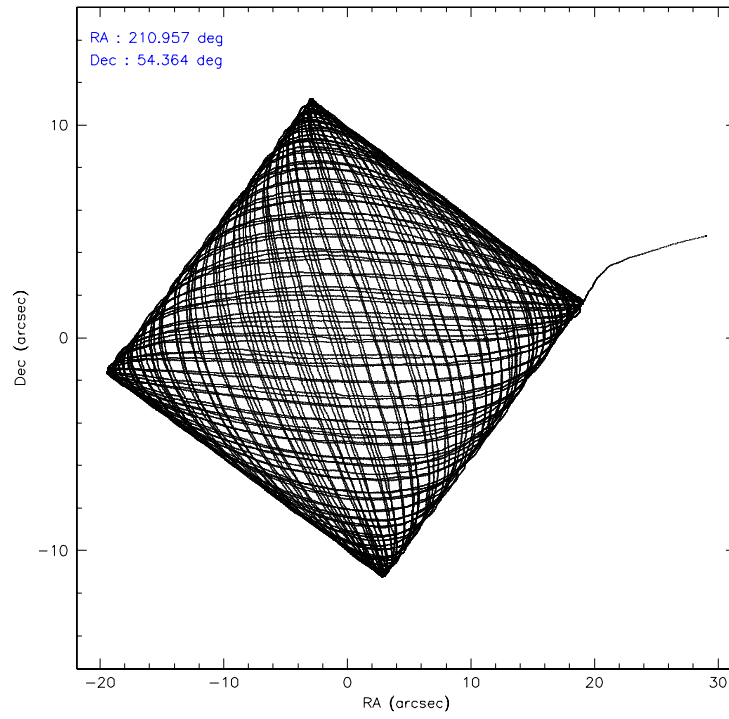
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	387204	368394	574431	381696	525962	475429
rejected events	341098	324439	315850	332511	315969	372294
rejected %	88%	88%	54%	87%	60%	78%

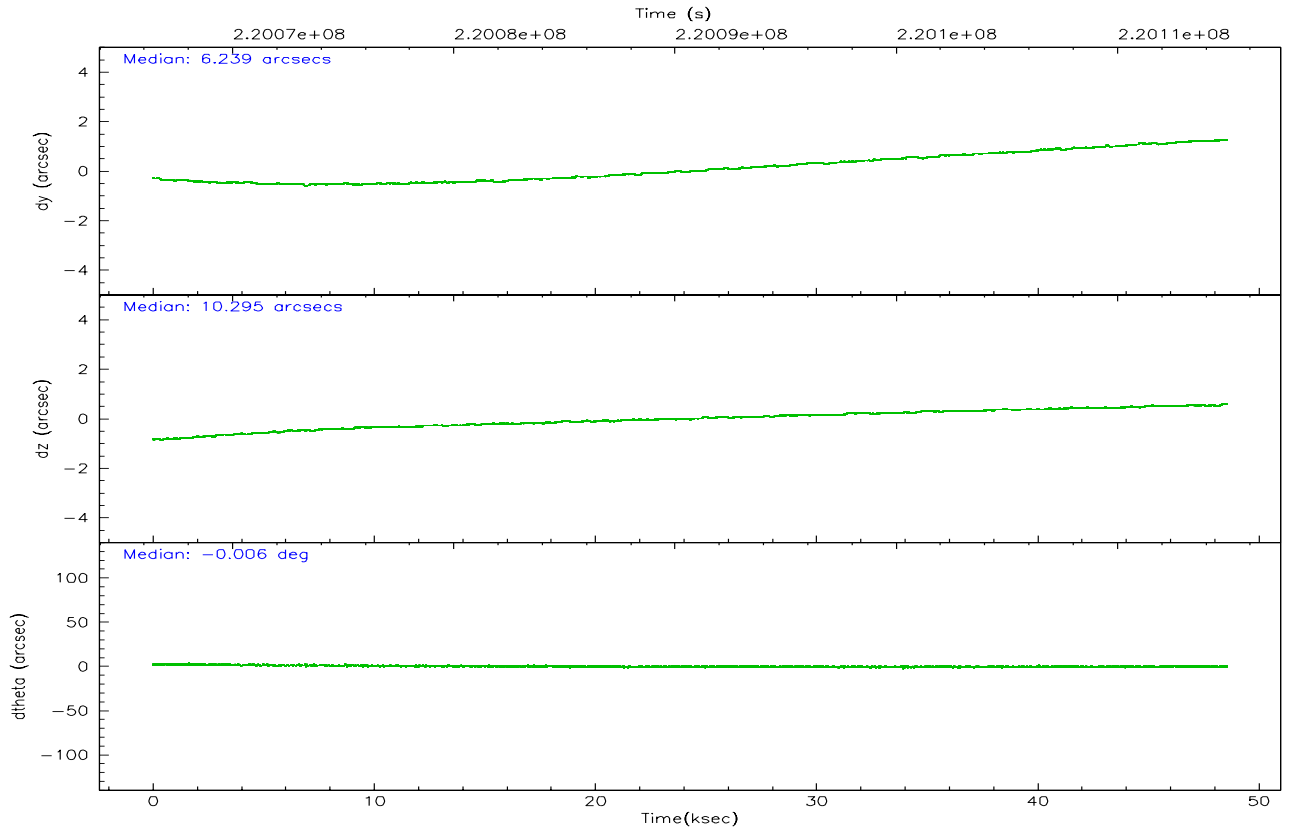
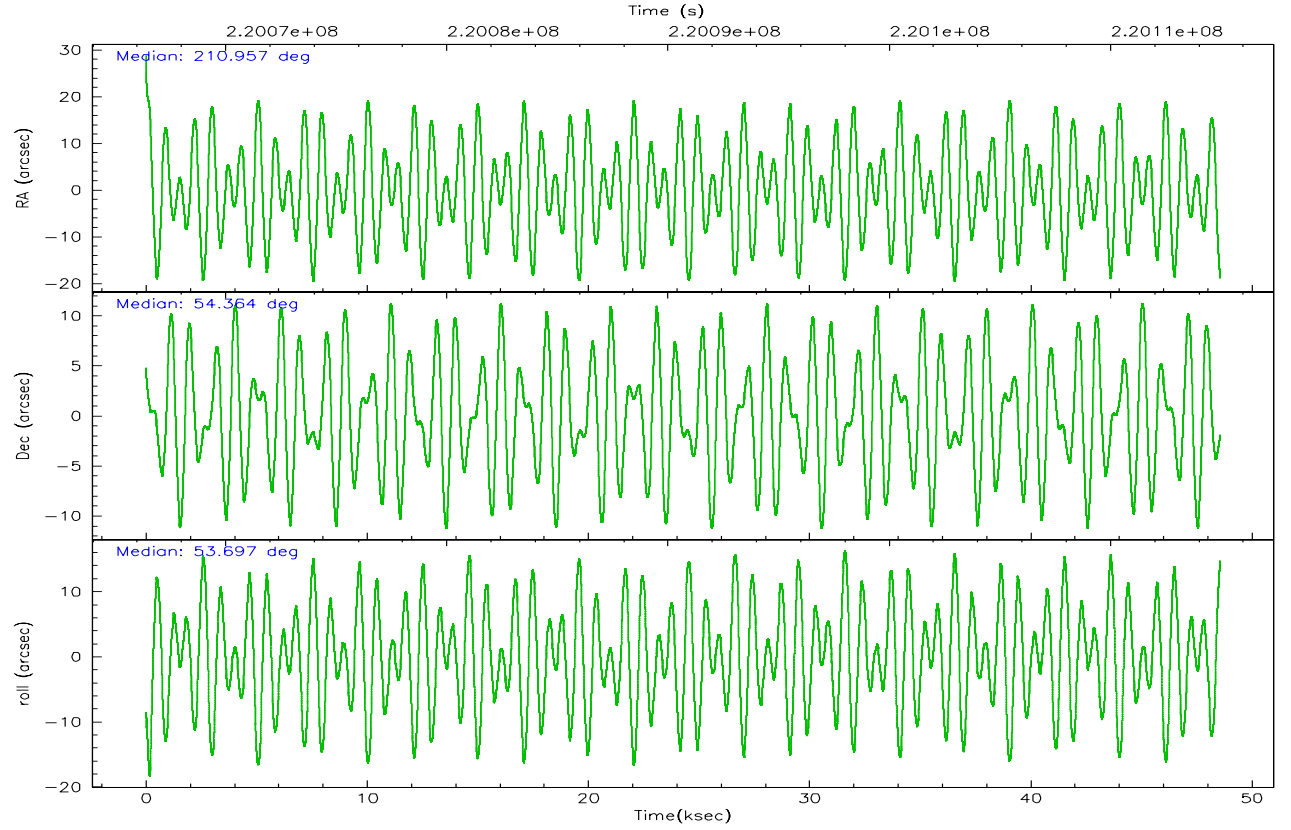
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	20979	19435	19325	21640	14733	33997
	5%	5%	3%	5%	2%	7%
grade 1 events	258	235	2125	226	299	362
	0%	0%	0%	0%	0%	0%
grade 2 events	9329	8336	82984	9757	52064	22401
	2%	2%	14%	2%	9%	4%
grade 3 events	4173	4334	5760	4423	10996	10970
	1%	1%	1%	1%	2%	2%
grade 4 events	4071	4222	5644	4434	10890	10273
	1%	1%	0%	1%	2%	2%
grade 5 events	14972	16249	27399	17507	34167	22775
	3%	4%	4%	4%	6%	4%
grade 6 events	7605	7680	145191	8985	121491	25568
	1%	2%	25%	2%	23%	5%
grade 7 events	325817	307903	286003	314724	281322	349083
	84%	83%	49%	82%	53%	73%

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	210.952749	210.957235352787	Alternating exposures requested	N	N
Pointing Dec	54.336526	54.36362052309229	Primary exposure time	0.000000	3.2
Pointing Roll	53.549439	53.70242811199802			
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	220066564.184000	220065477.98579			
Observation start date	2004-12-22T01:35:00	2004-12-22T01:17:57			
Observation end time	220114964.184000	220115609.71305			
Observation end date	2004-12-22T15:01:40	2004-12-22T15:13:29			
Read mode	TIMED	TIMED			

2.3 Aspect



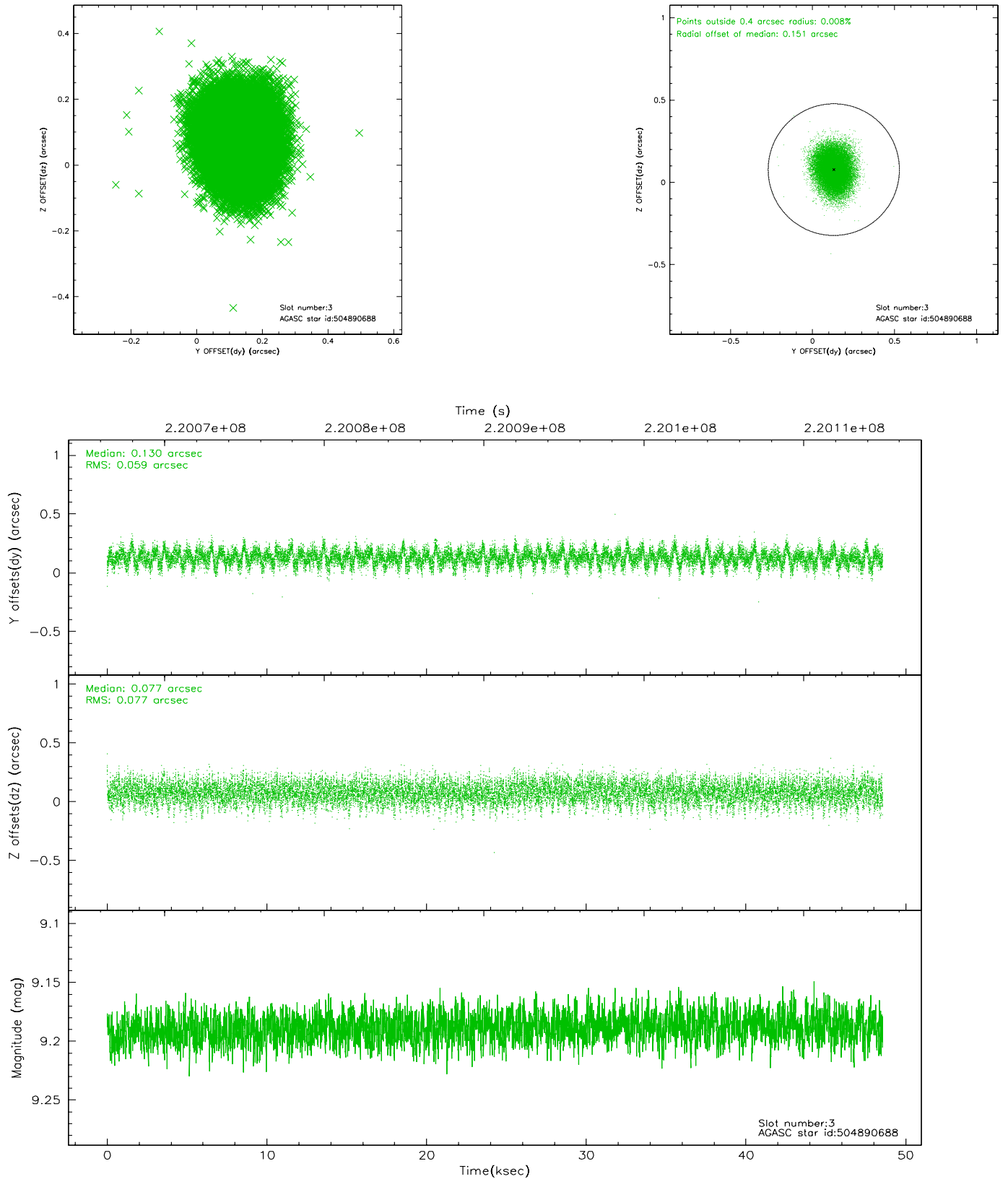


Slot Statistics

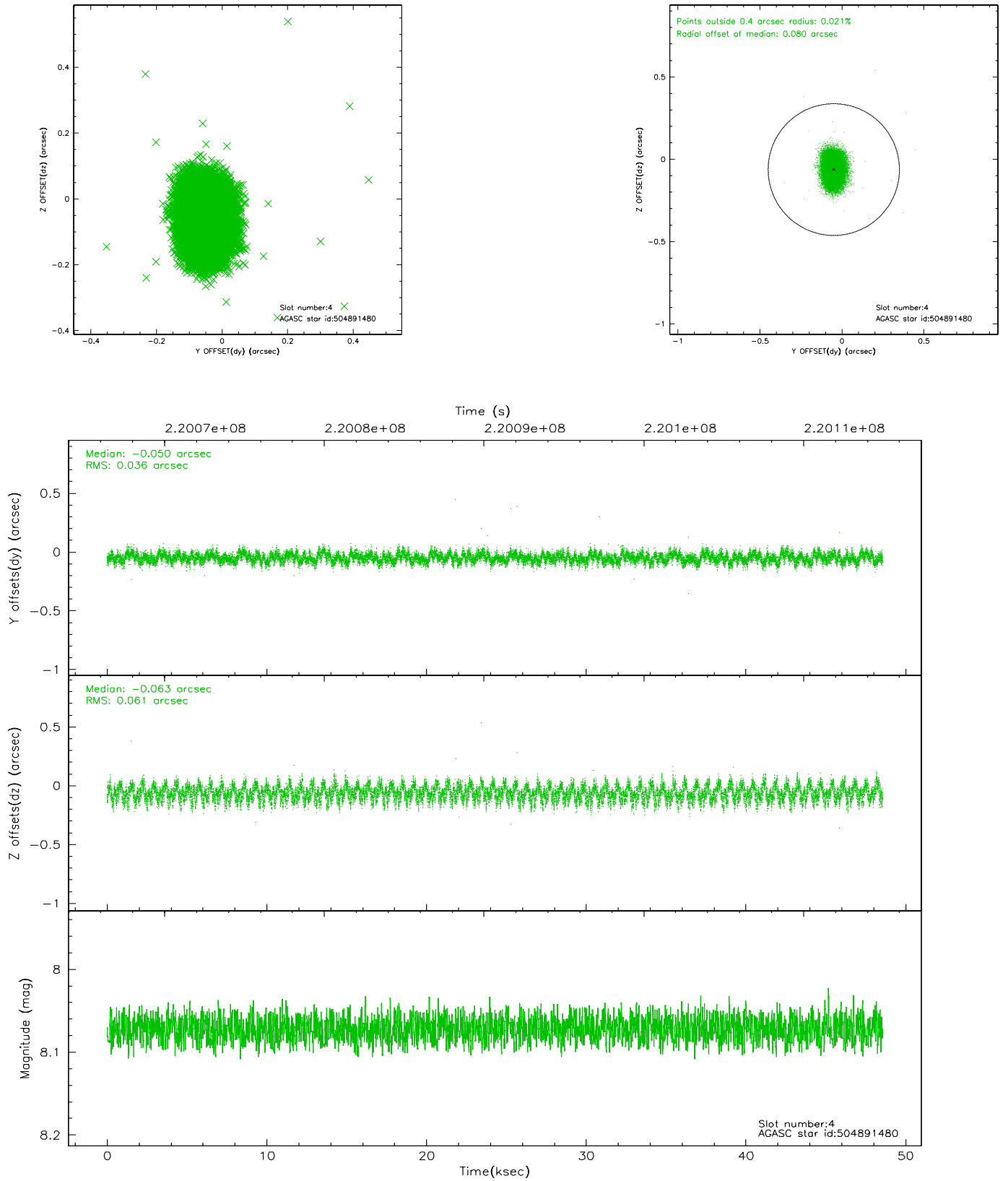
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-4	7.20	11847	0.040	0.001	0.012	0.021	0.000000	0.000000	2154.27	177.17
1	FID	ACIS-S-5	7.23	11845	-0.071	0.001	0.024	0.032	0.000000	0.000000	-1812.04	170.57
2	FID	ACIS-S-6	7.35	11845	0.001	0.012	0.020	0.027	0.000000	0.000000	402.50	814.36
3	GUIDE	504890688	9.19	23681	0.130	0.077	0.104	0.166	211.697686	53.837149	-498.68	-2336.20
4	GUIDE	504891480	8.07	23691	-0.050	-0.063	0.076	0.121	210.708012	54.666096	652.38	1115.41
5	GUIDE	504894408	9.26	23671	-0.116	0.121	0.101	0.159	211.942794	54.047749	419.17	-2291.59
6	GUIDE	504894856	8.97	23678	0.134	-0.064	0.076	0.125	209.819510	54.132689	-1994.71	1497.93
7	GUIDE	505292416	9.29	23676	-0.099	-0.067	0.097	0.155	210.920759	55.040479	1999.27	1559.66

2.4 Star Slots

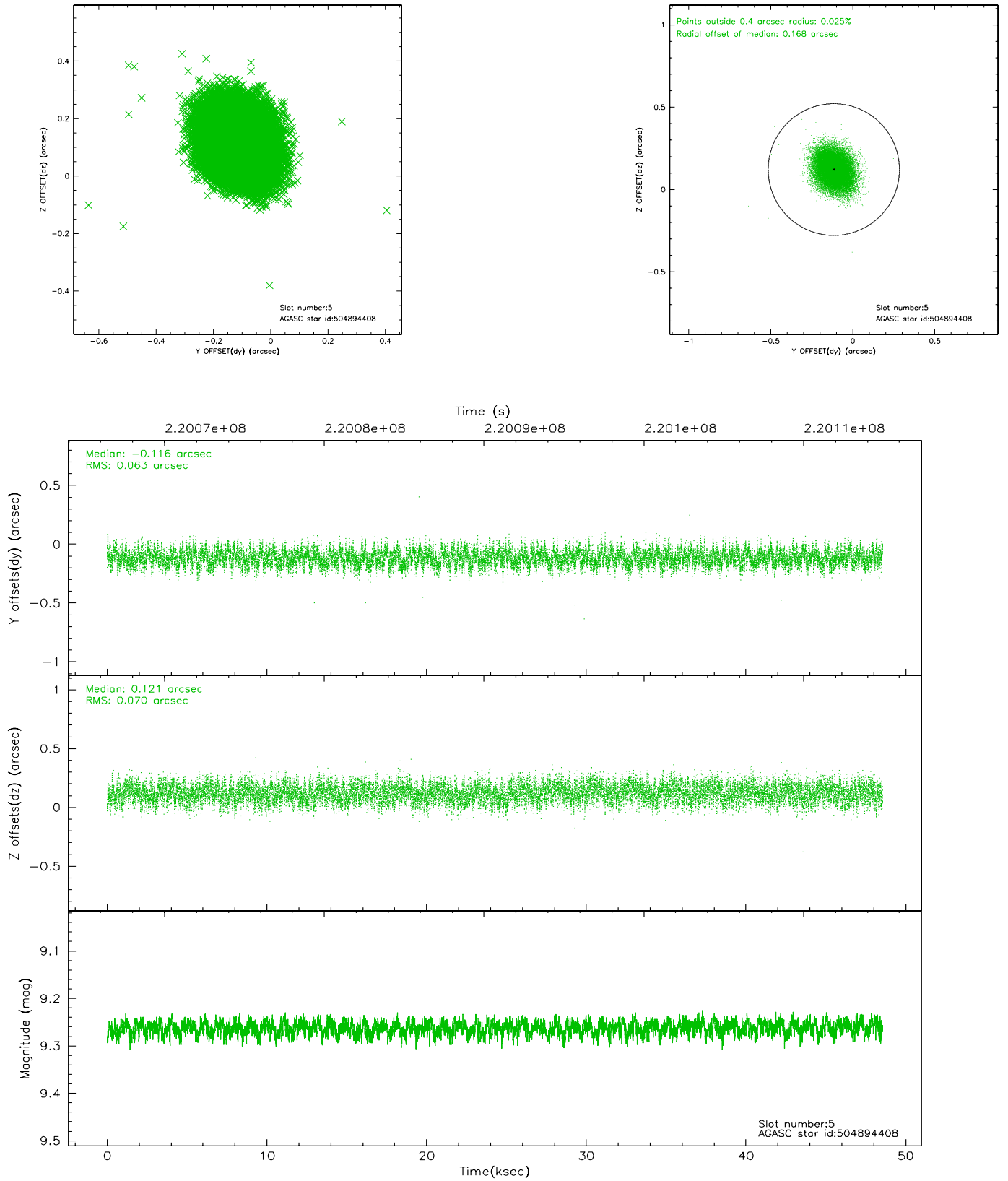
2.4.1 Slot 3



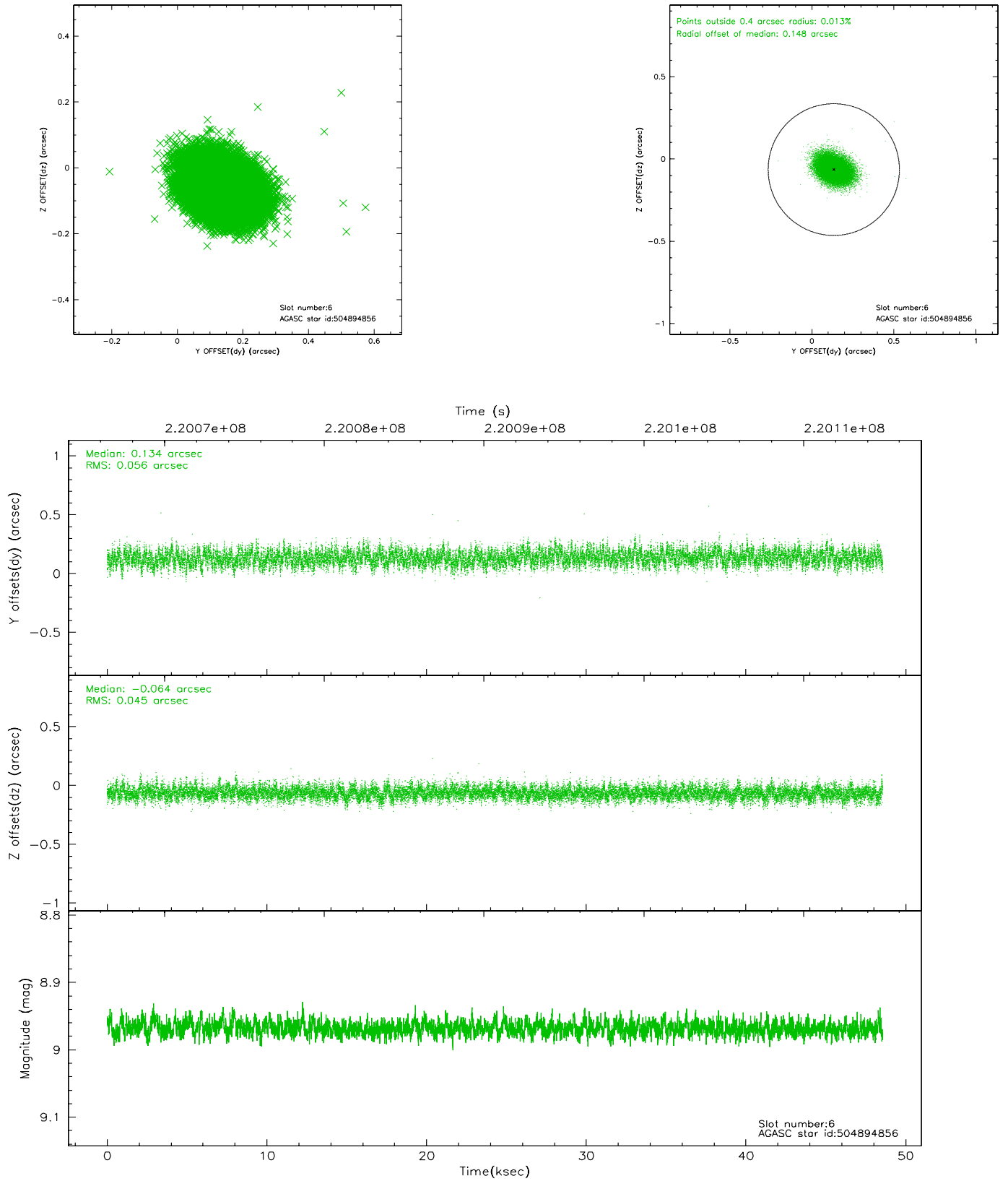
2.4.2 Slot 4



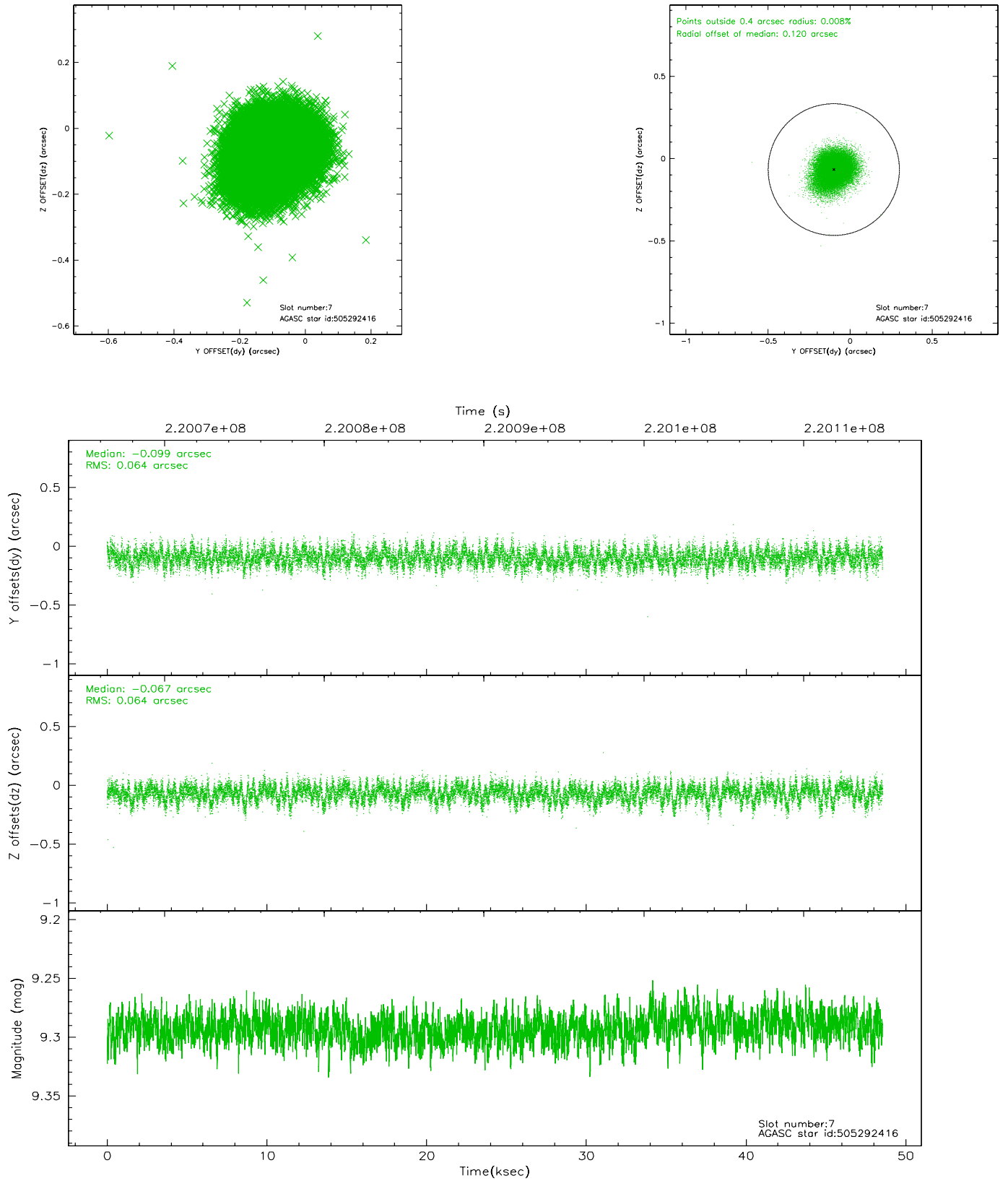
2.4.3 Slot 5



2.4.4 Slot 6

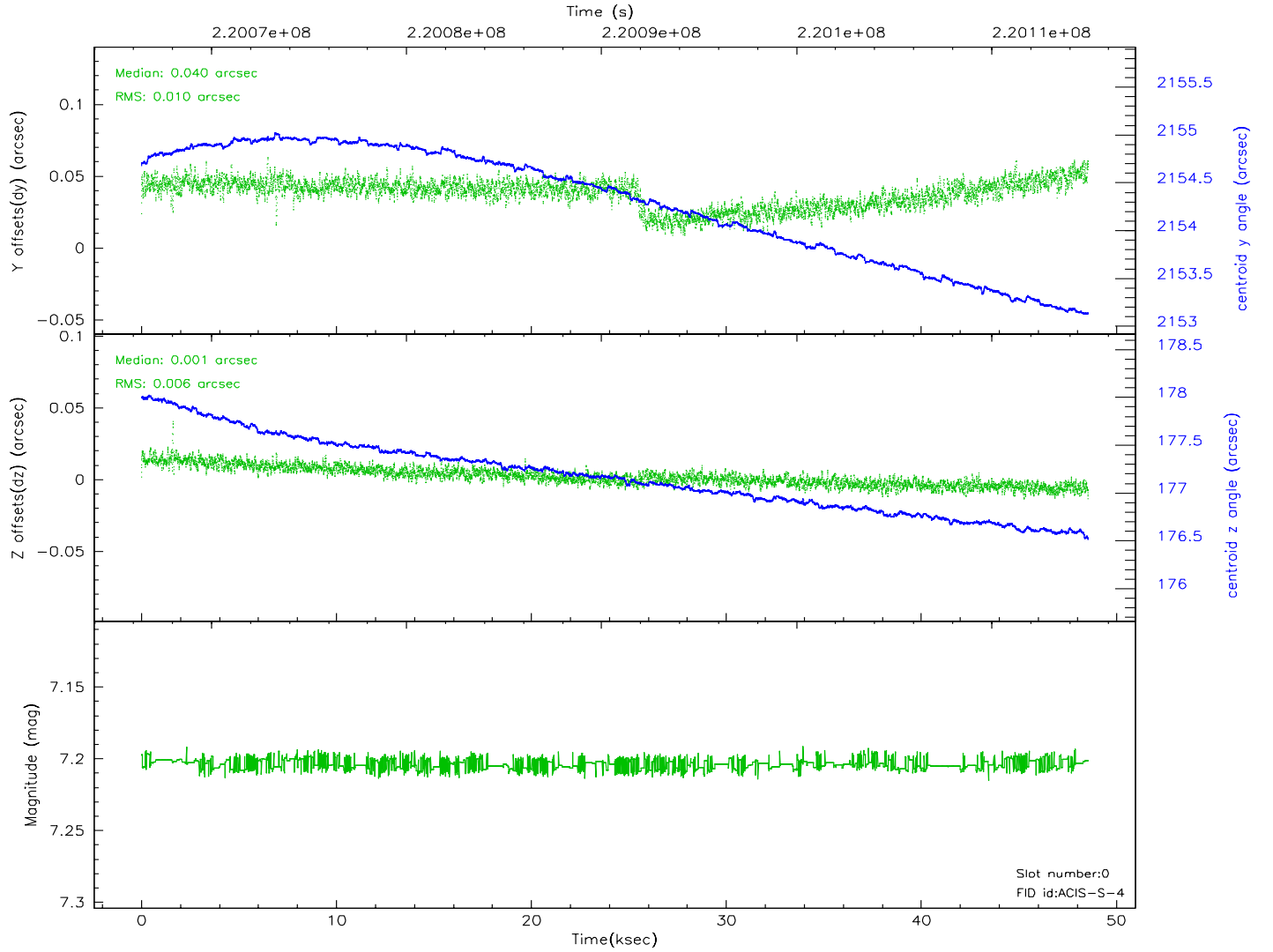
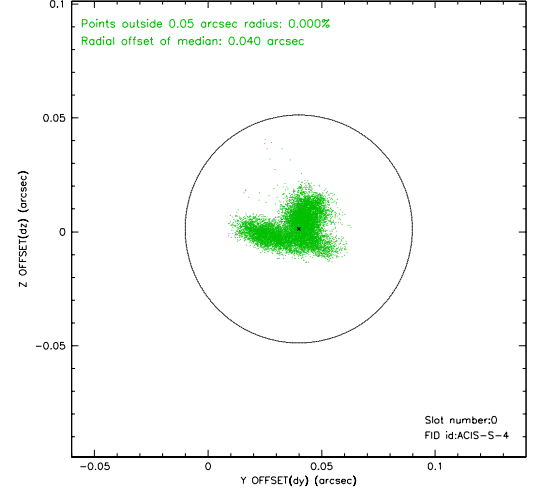
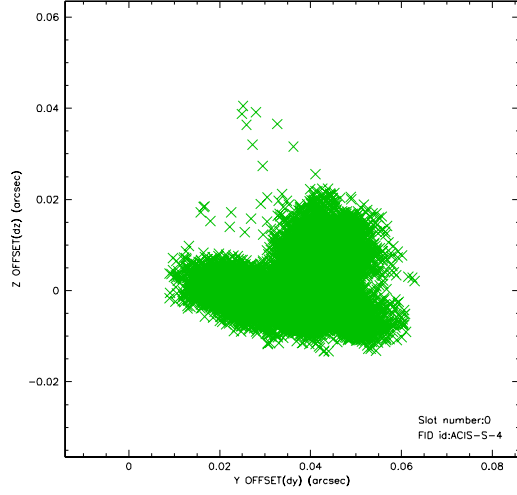


2.4.5 Slot 7

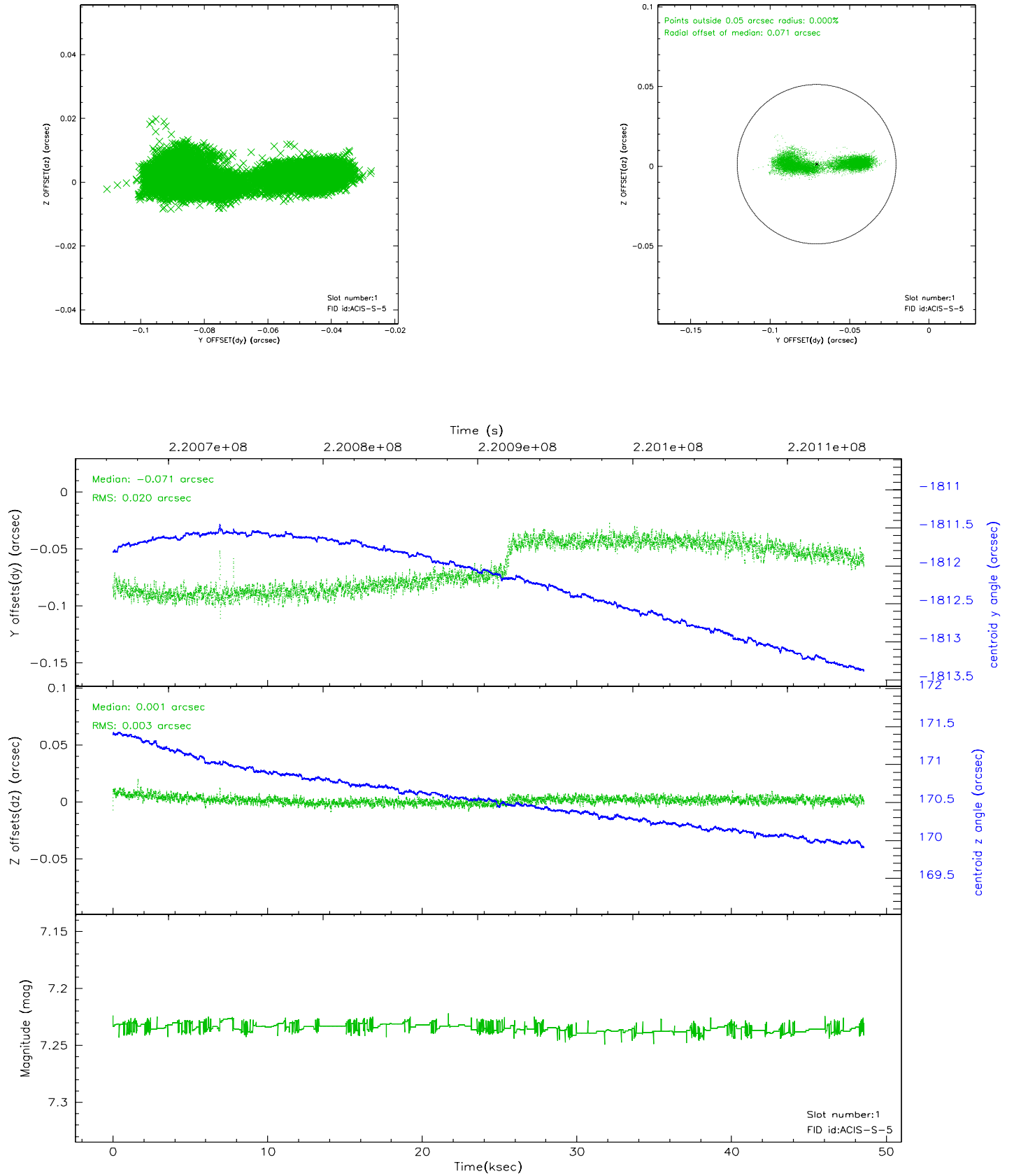


2.5 FID Slots

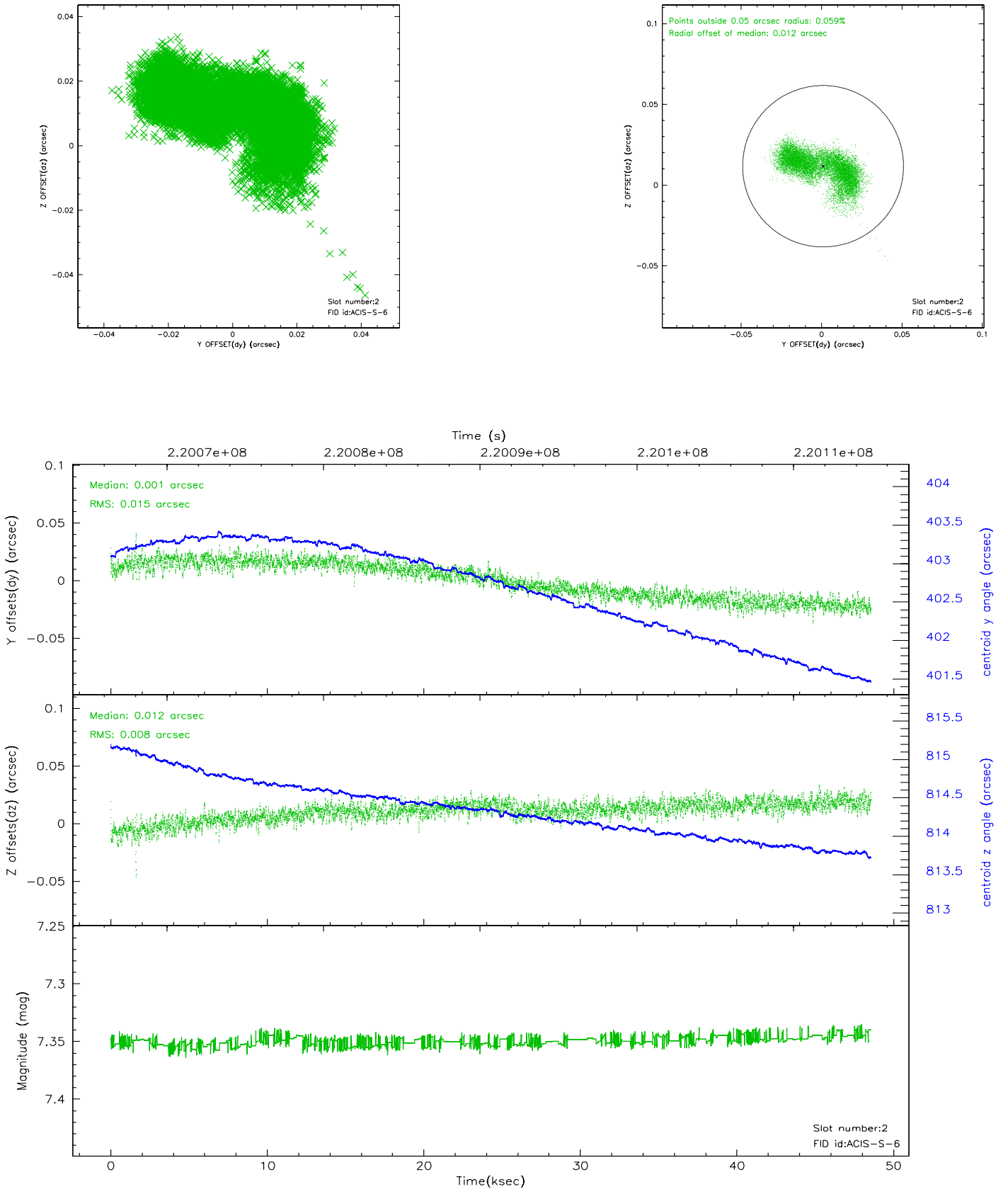
2.5.1 Slot 0



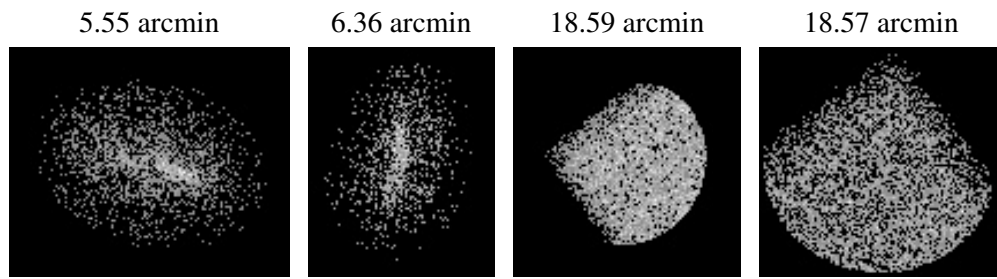
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.04.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	48.56319

A.2 Comments