

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 6111 - L2 Version 002
Chandra X-Ray Center

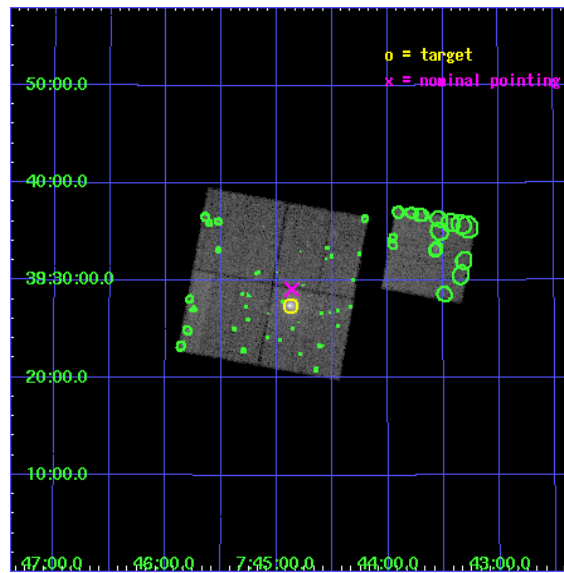
L2 Processing Date : Apr 8 2006

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

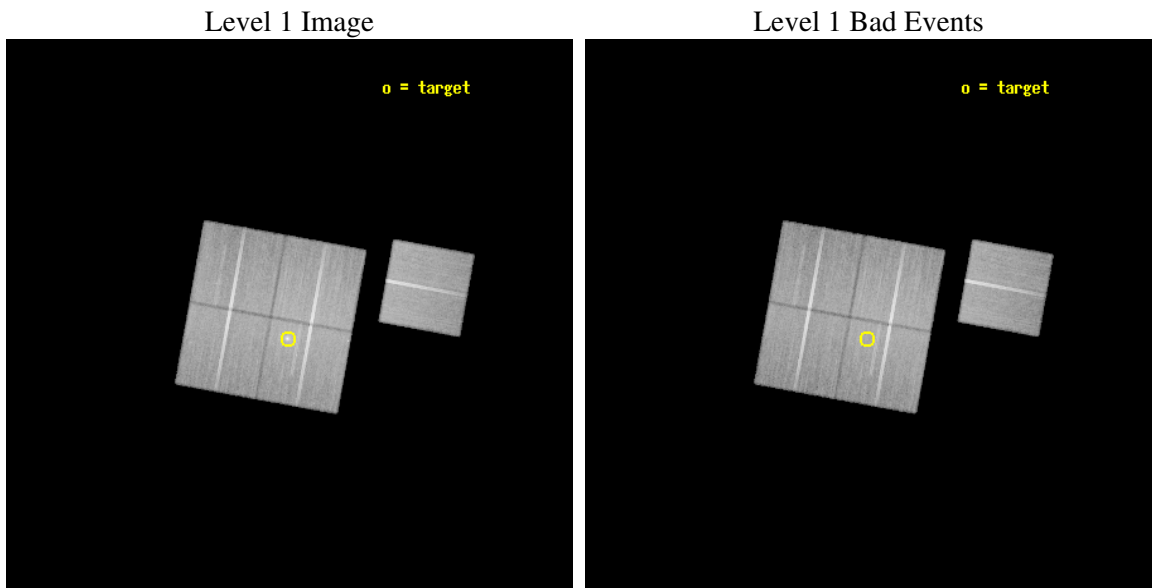
seq_num	800559
obs_id	6111
title	Probing dark energy using the X-ray gas mass fraction in dynamically relaxed galaxy clusters
observer	Dr Steven Allen
object	MACS0744.9+3927
dtcycle	0
cycle	P
ra_targ	116.22
dec_targ	39.4575
ra_nom	116.21601832214
dec_nom	39.484977248891
roll_nom	100.31403211785
revision	2
ontime	50157.876972765
livetime	49502.527384424
ontime0	50157.876913011
ontime1	50164.15890339
ontime2	50161.017893225
ontime3	50157.876972765
ontime6	50161.017943054
l2events	146319



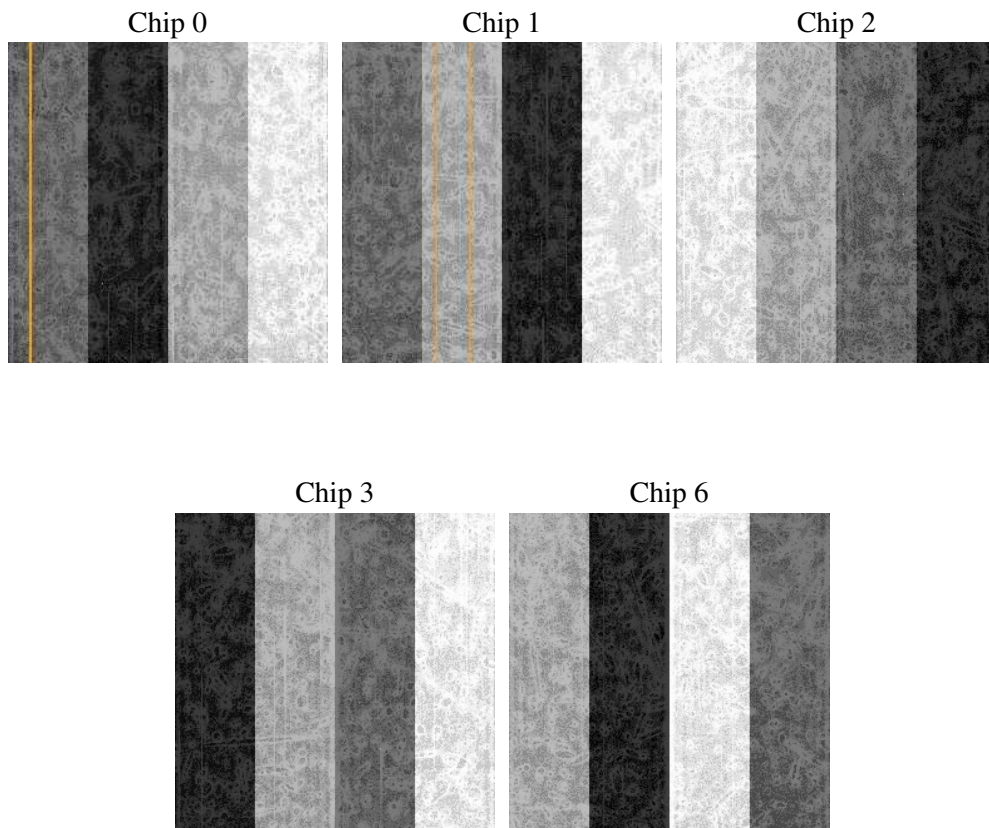
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1
ascdsver	7.6.7.1
caldsver	3.2.1
date	2006-04-08T13:39:28
revision	2

sched_exp_time	50000.000000
ontime	51584.834749699
ontime0	51584.834689945
ontime1	51591.116680324
ontime2	51587.975670159
ontime3	51584.834749699
ontime6	51587.975719988
l1events	1771654

2.1.4 Events

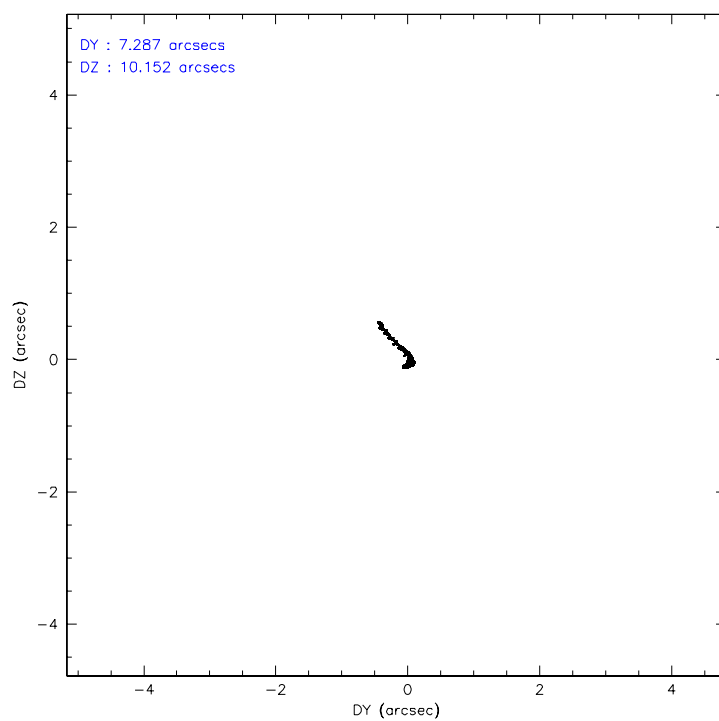
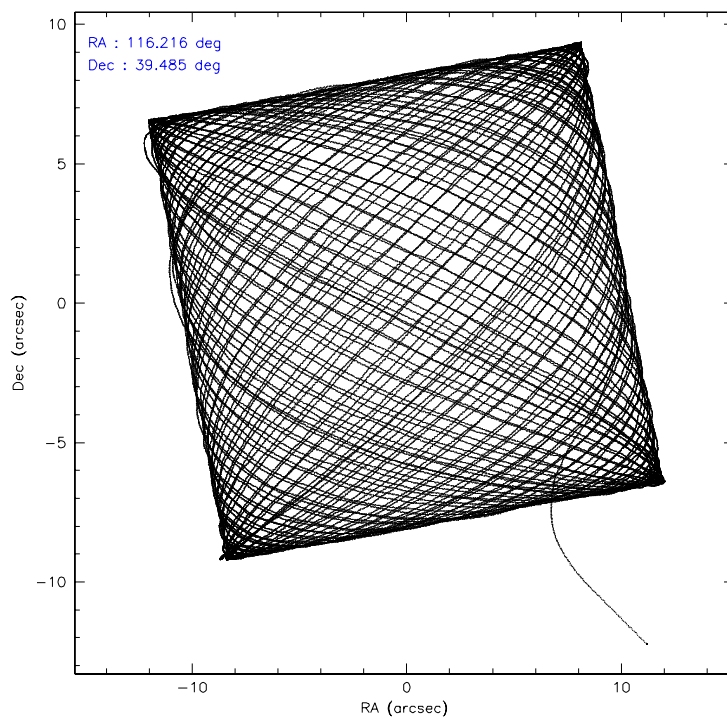
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	327855	330503	386435	368902	357959
rejected events	294169	293629	352117	329129	323378
rejected %	89%	88%	91%	89%	90%

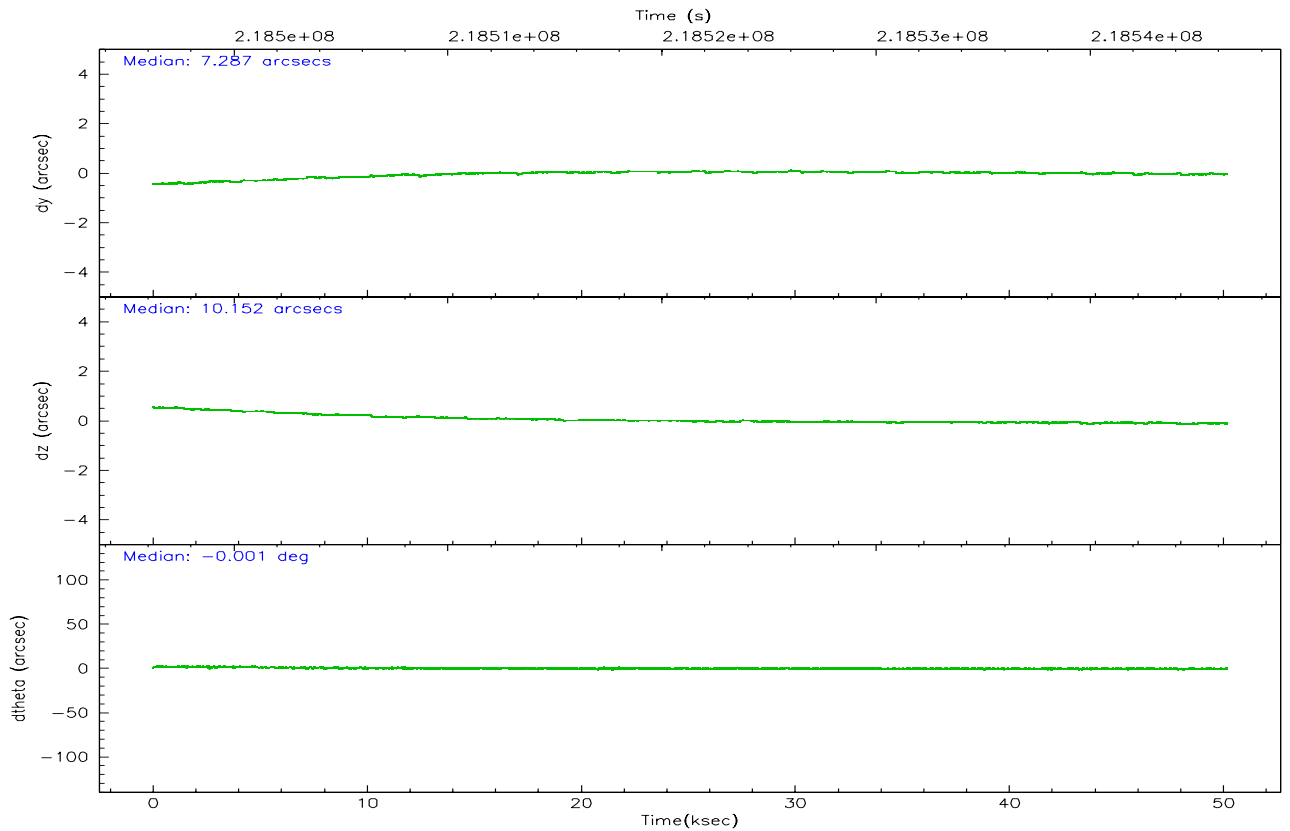
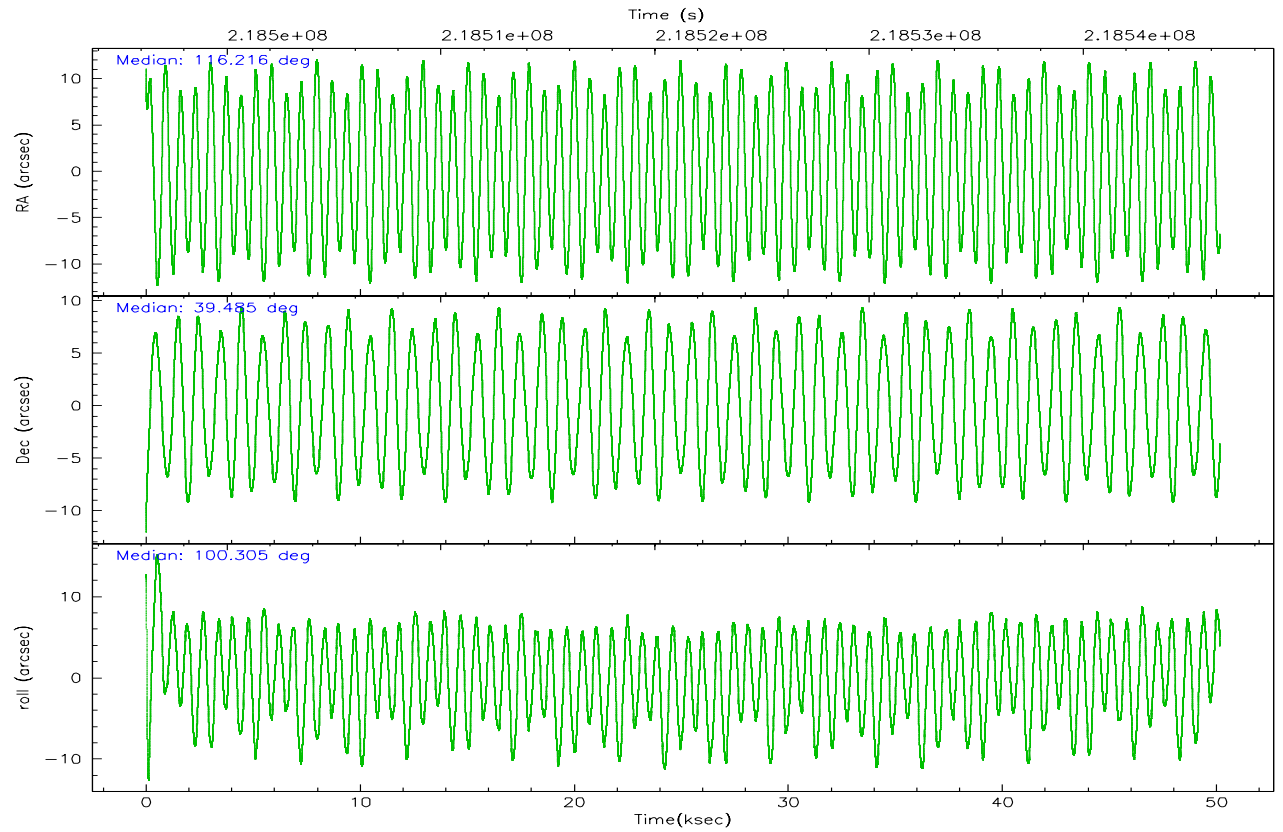
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	11690	13423	12612	18378	12211
	3%	4%	3%	4%	3%
grade 1 events	182	160	232	234	137
	0%	0%	0%	0%	0%
grade 2 events	8624	8339	8806	7899	8161
	2%	2%	2%	2%	2%
grade 3 events	4021	4292	3702	4048	3962
	1%	1%	0%	1%	1%
grade 4 events	3756	4286	3896	3874	3947
	1%	1%	1%	1%	1%
grade 5 events	11833	12854	11373	13471	13419
	3%	3%	2%	3%	3%
grade 6 events	6498	7602	6155	6545	7295
	1%	2%	1%	1%	2%
grade 7 events	281251	279547	339659	314453	308827
	85%	84%	87%	85%	86%

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	116.239069	116.216018322138	Alternating exposures requested	N	N
Pointing Dec	39.464193	39.48497724889131	Primary exposure time	0.000000	3.1
Pointing Roll	100.090685	100.3140321178483			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-229.442463	-229.4438428438578			
SIM translation stage offset (mm)	-4.15	-4.148610159071865			
Observation start time	218496394.184000	218494696.1651			
Observation start date	2004-12-03T21:25:30	2004-12-03T20:58:16			
Observation end time	218546394.184000	218547929.02999			
Observation end date	2004-12-04T11:18:50	2004-12-04T11:45:29			
Read mode	TIMED	TIMED			

2.3 Aspect



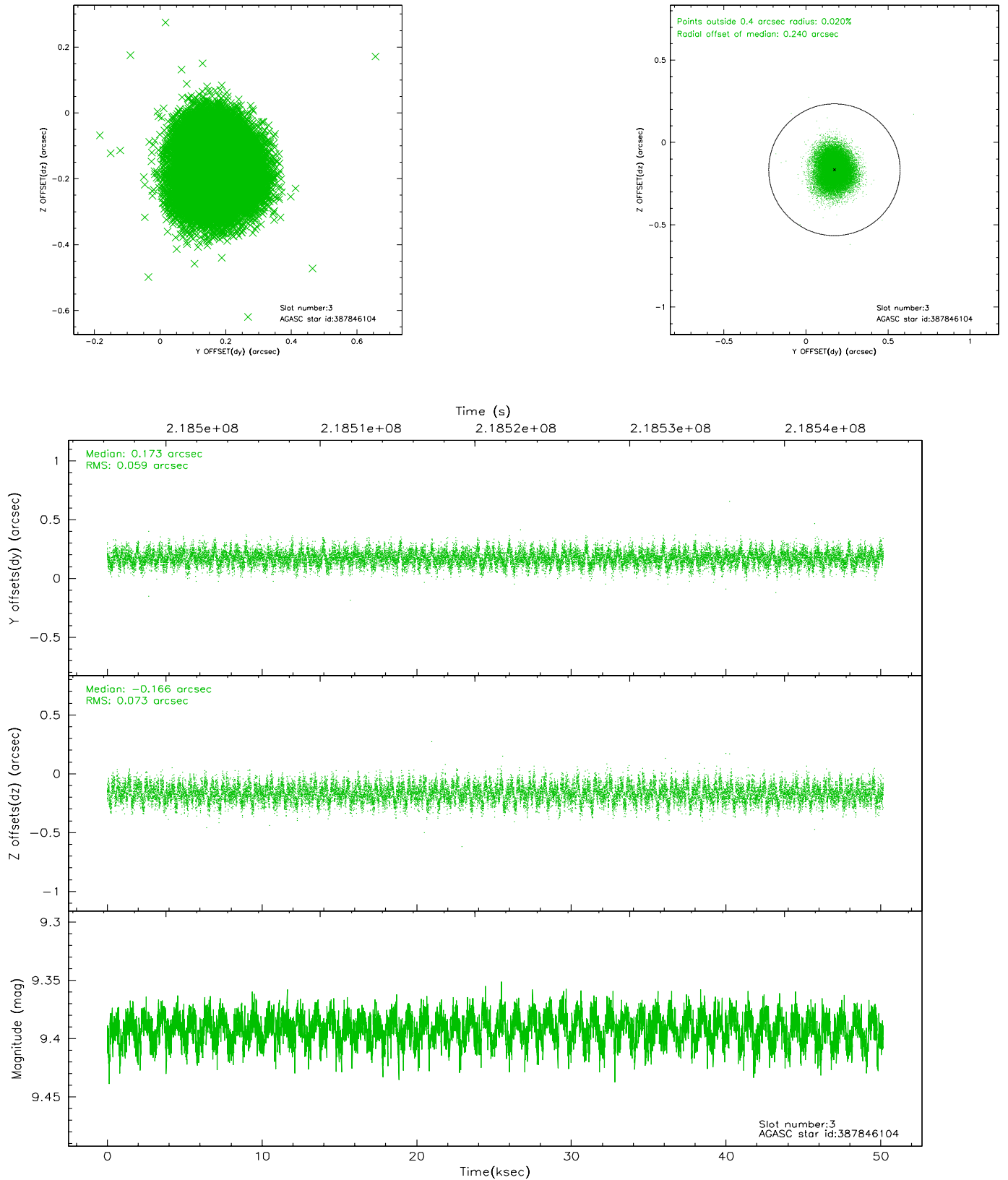


Slot Statistics

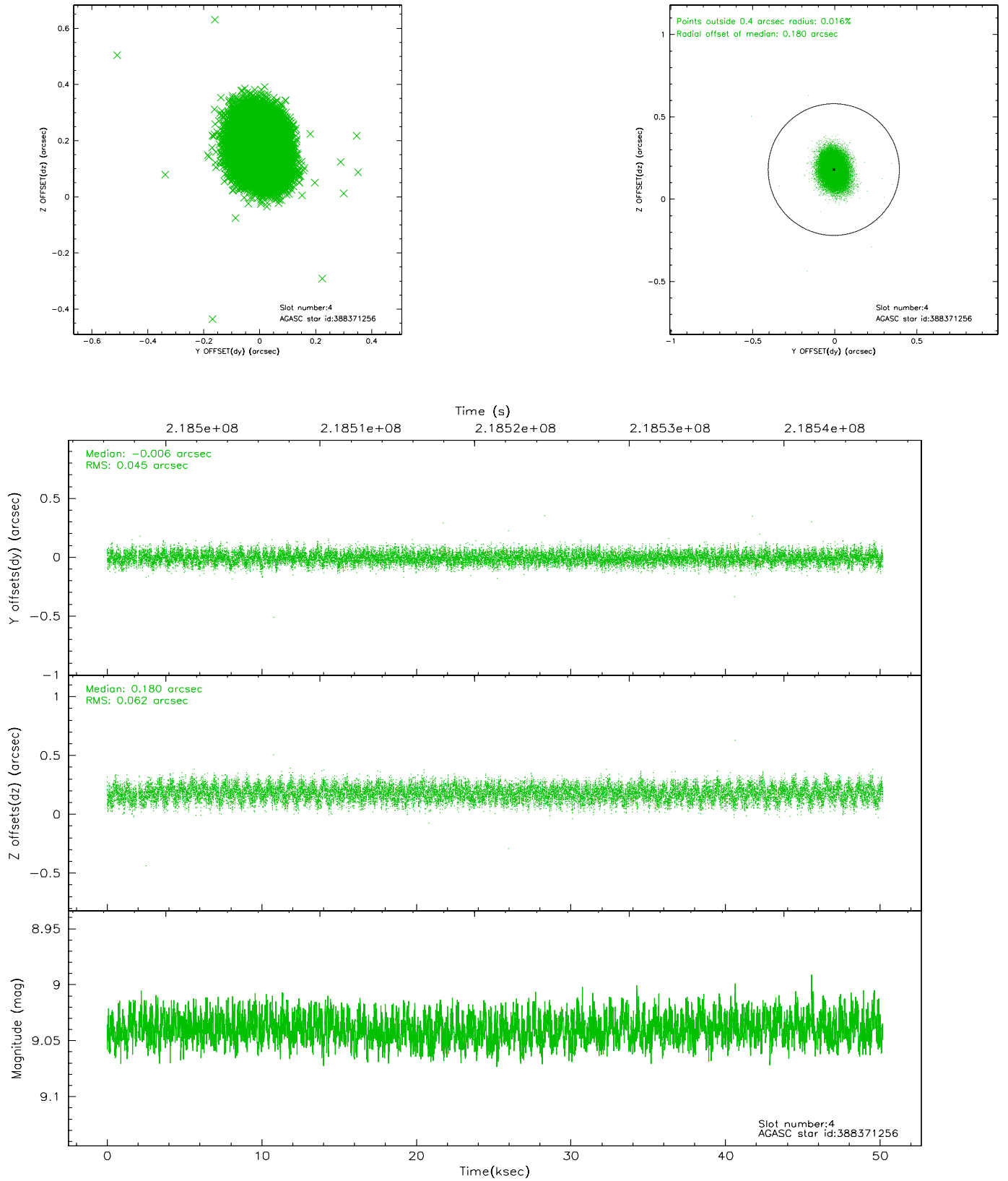
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	12237	0.048	-0.007	0.006	0.016	0.000000	0.000000	932.40	-918.83
1	FID	ACIS-I-5	7.23	12238	-0.165	0.069	0.007	0.014	0.000000	0.000000	-1815.91	978.77
2	FID	ACIS-I-6	7.25	12238	0.025	0.008	0.008	0.014	0.000000	0.000000	397.97	1623.17
3	GUIDE	387846104	9.39	24459	0.173	-0.166	0.101	0.159	115.792368	39.298643	-365.36	1328.87
4	GUIDE	388371256	9.04	24404	-0.006	0.180	0.082	0.131	116.958551	39.618125	204.24	-2062.38
5	GUIDE	388378136	7.40	24474	0.003	0.031	0.064	0.102	116.426409	39.546945	203.16	-564.12
6	GUIDE	388380400	9.76	24448	-0.008	-0.034	0.110	0.181	115.865452	39.384708	-97.25	1073.19
7	GUIDE	388381632	9.54	24454	-0.162	-0.012	0.110	0.176	115.945891	39.520102	342.20	766.18

2.4 Star Slots

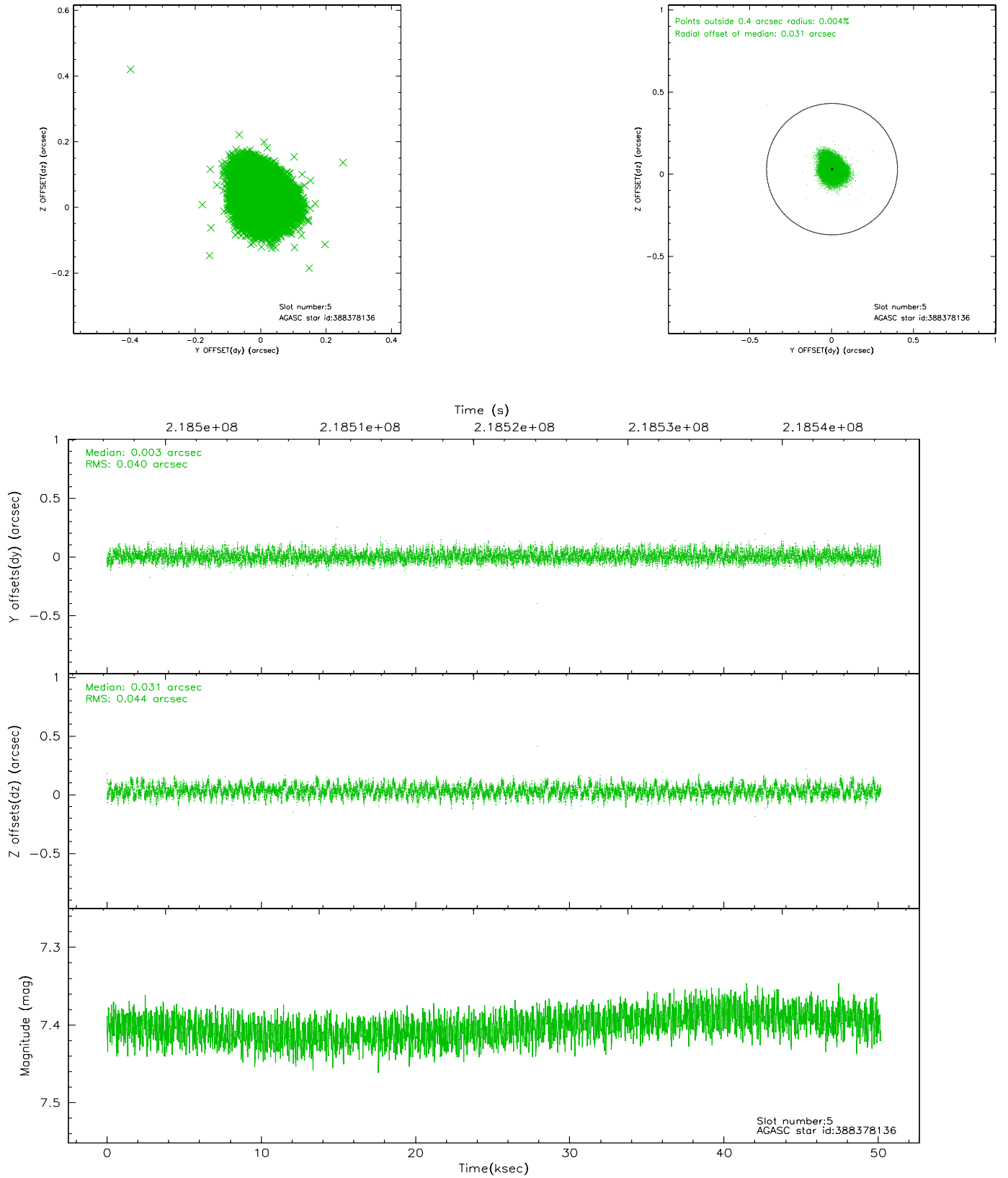
2.4.1 Slot 3



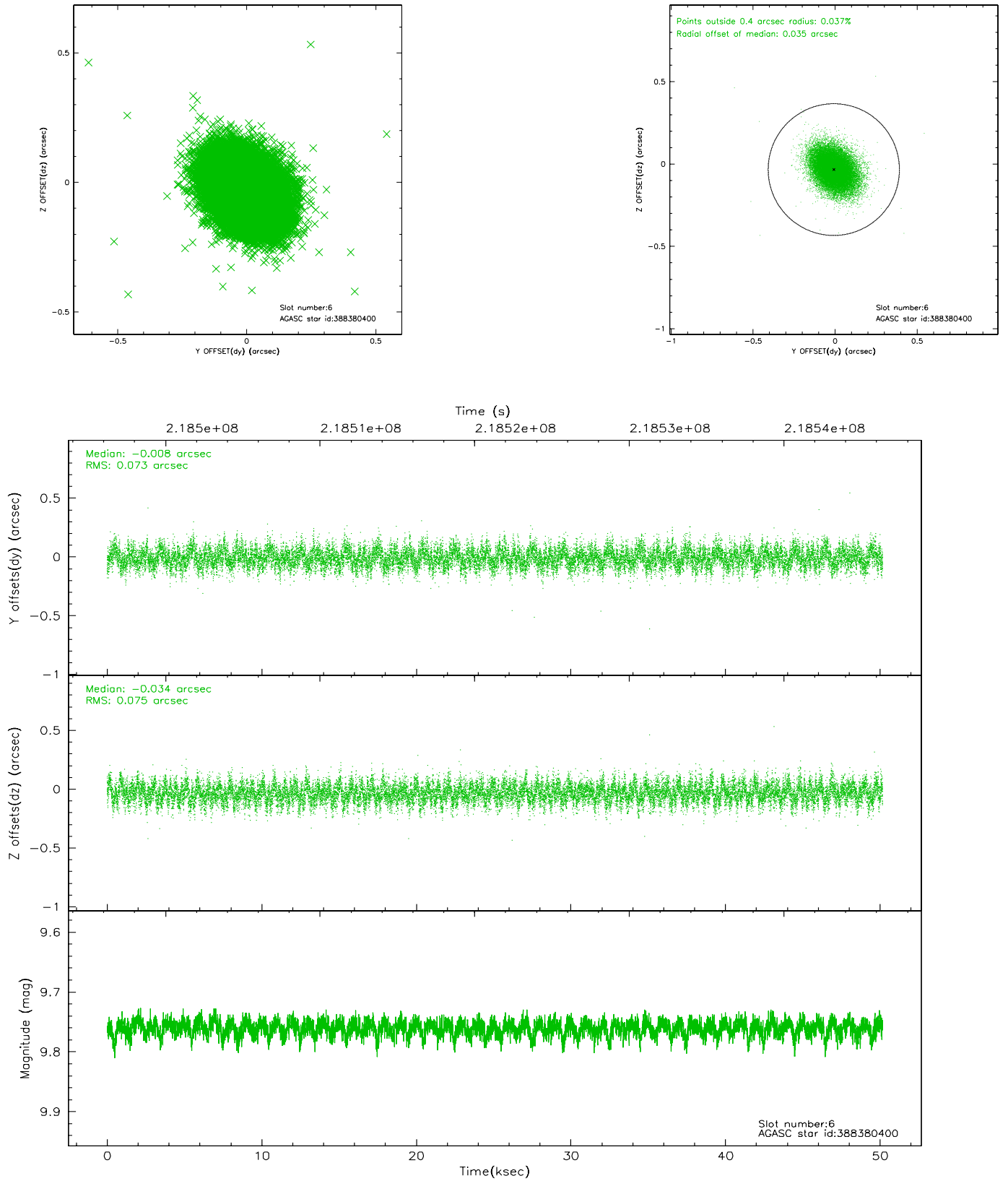
2.4.2 Slot 4



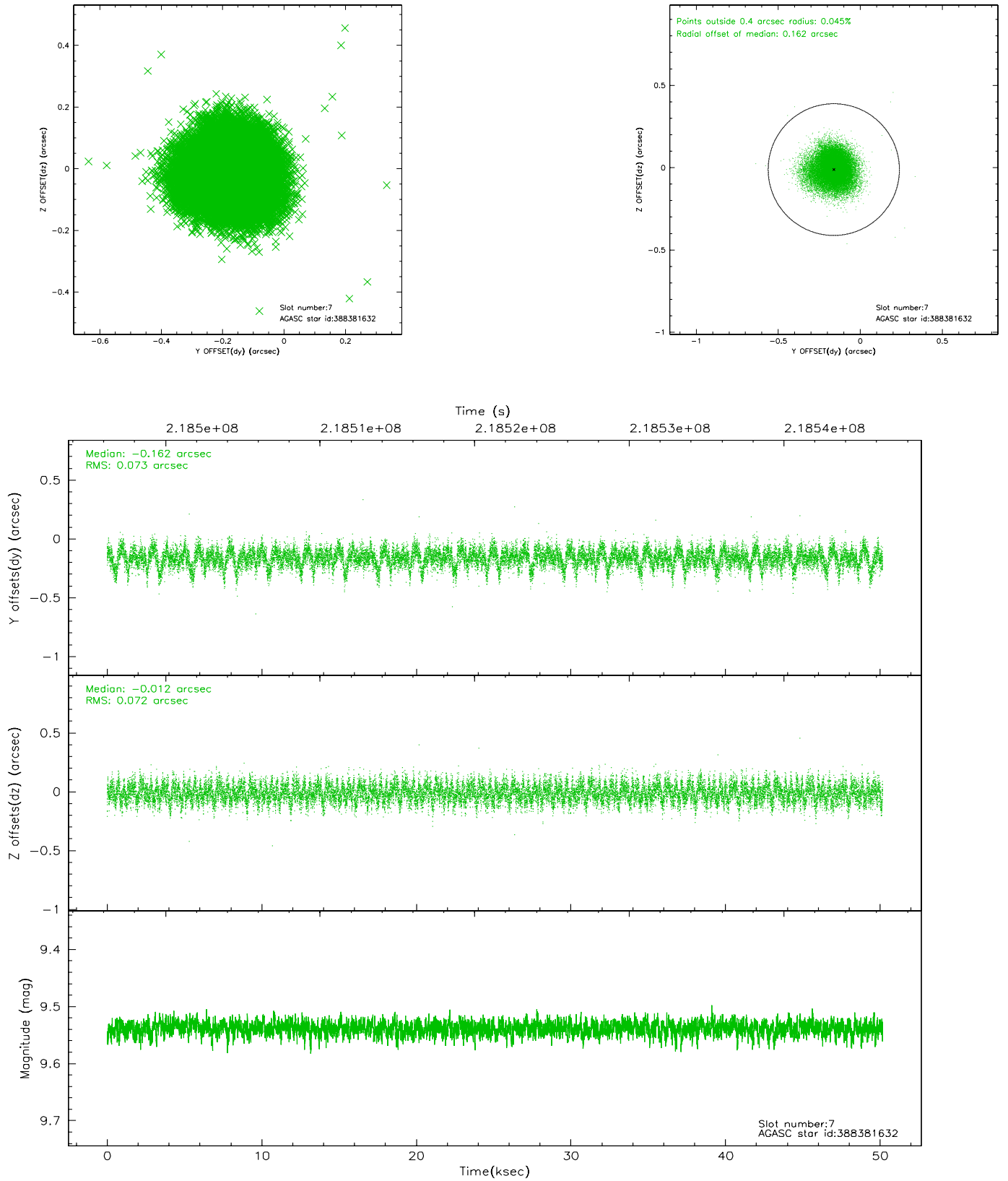
2.4.3 Slot 5



2.4.4 Slot 6

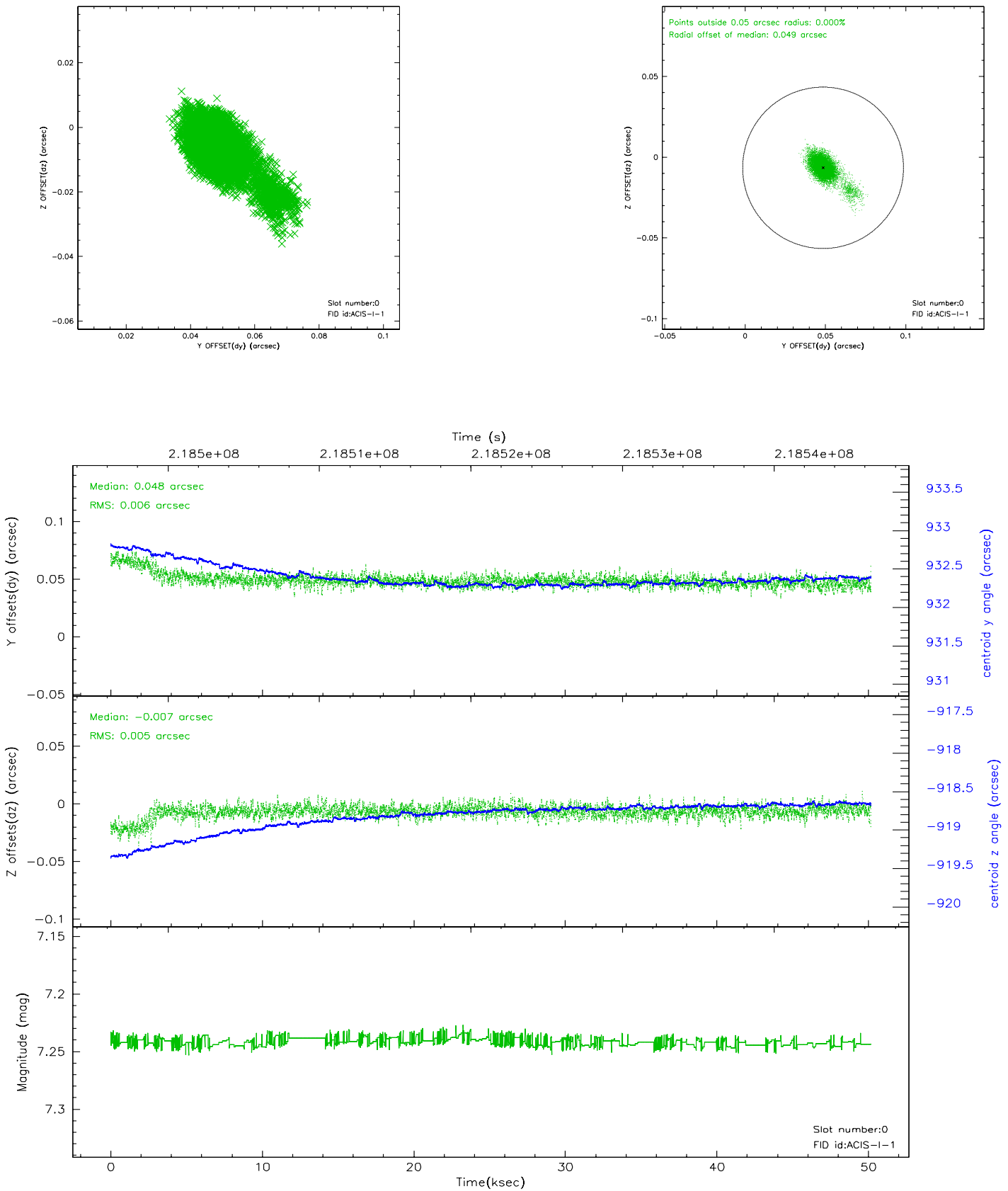


2.4.5 Slot 7

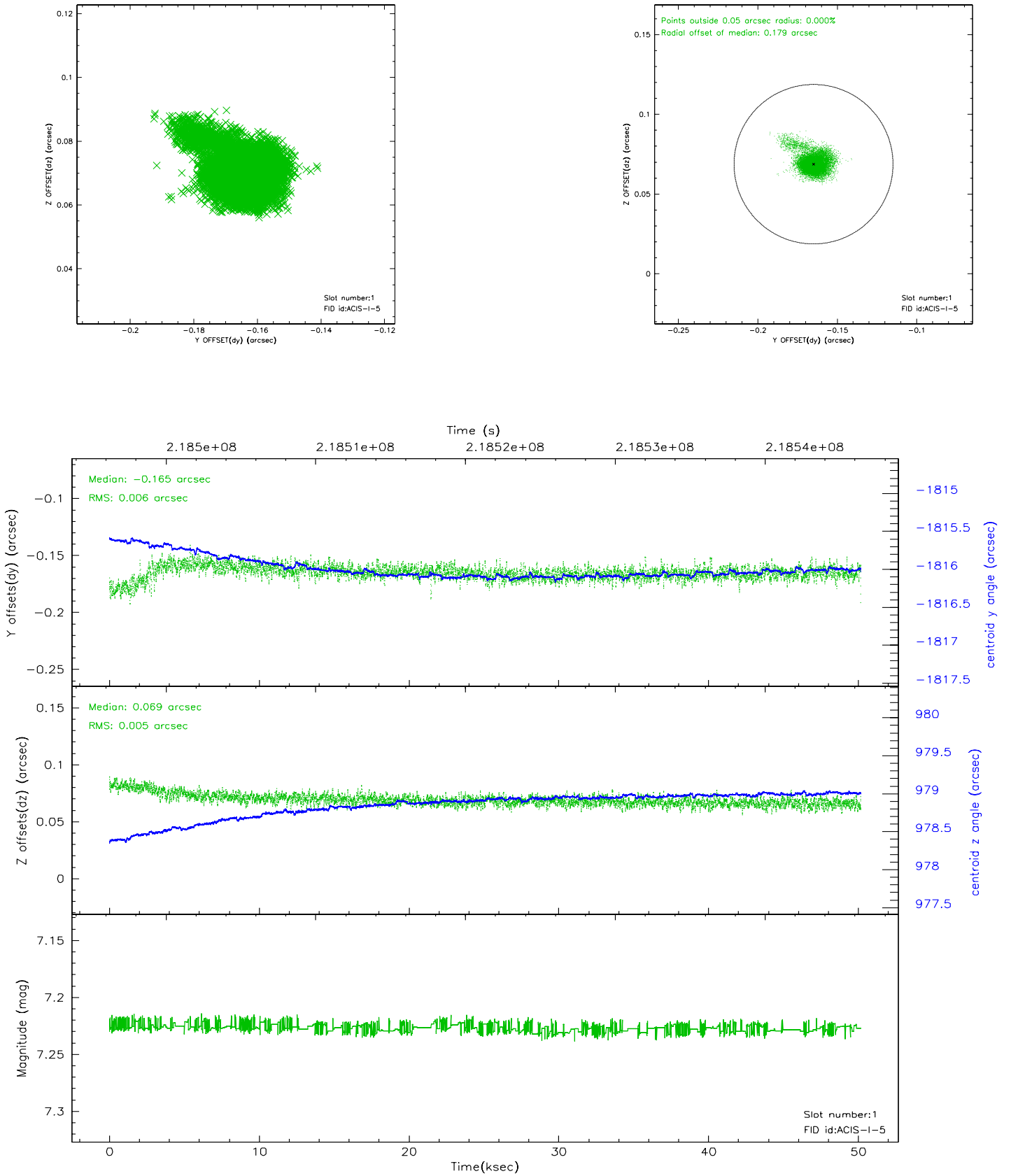


2.5 FID Slots

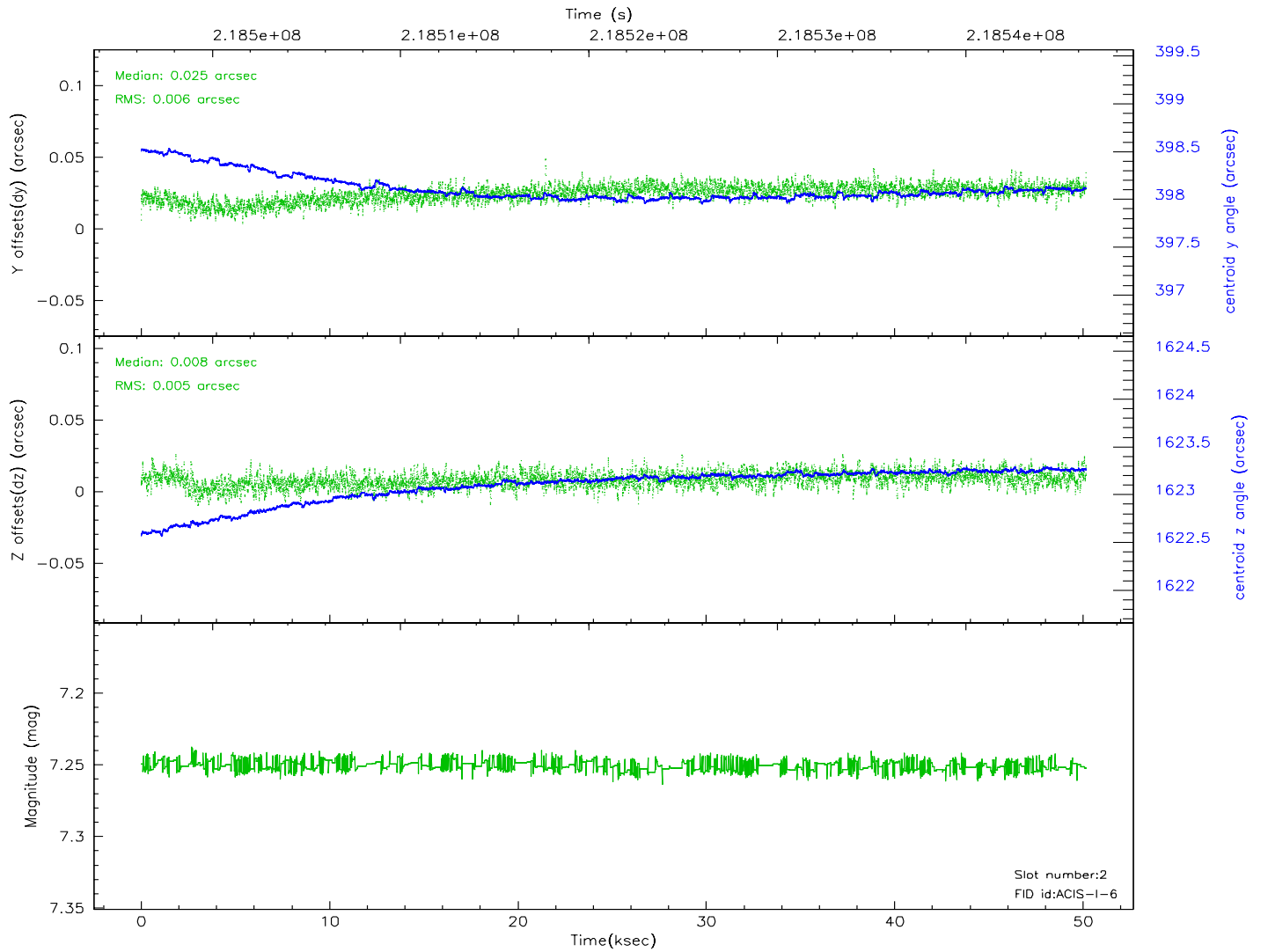
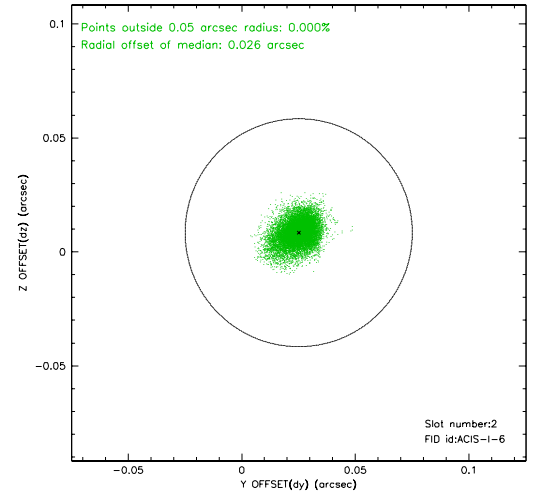
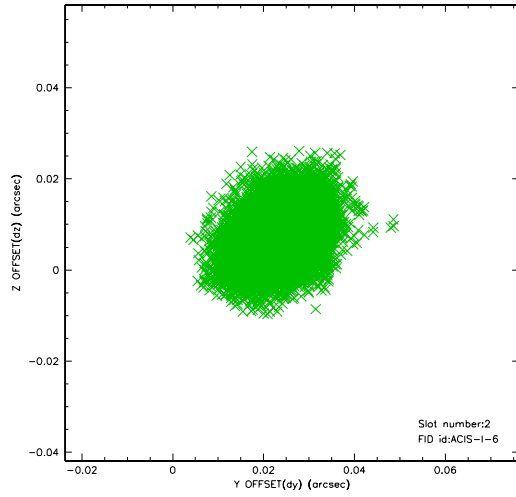
2.5.1 Slot 0



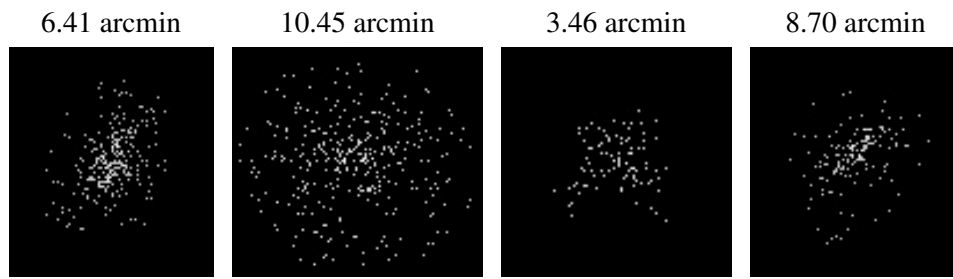
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.04.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	50.1578769

A.2 Comments