

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 3185 - L2 Version 001  
Chandra X-Ray Center

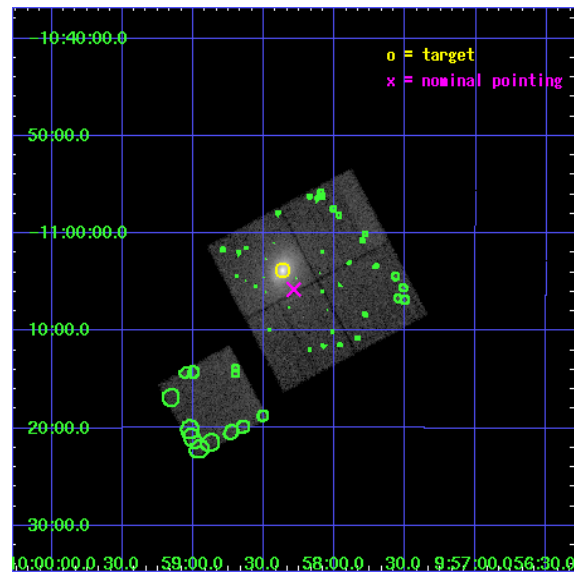
L2 Processing Date : Sep 19 2006

## Contents

<b>1</b>	<b>Front</b>	<b>2</b>
<b>2</b>	<b>OBI</b>	<b>3</b>
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
<b>3</b>	<b>Point Sources</b>	<b>17</b>
<b>A</b>	<b>Summary</b>	<b>18</b>
A.1	Status . . . . .	18
A.2	Comments . . . . .	18

# 1 Front

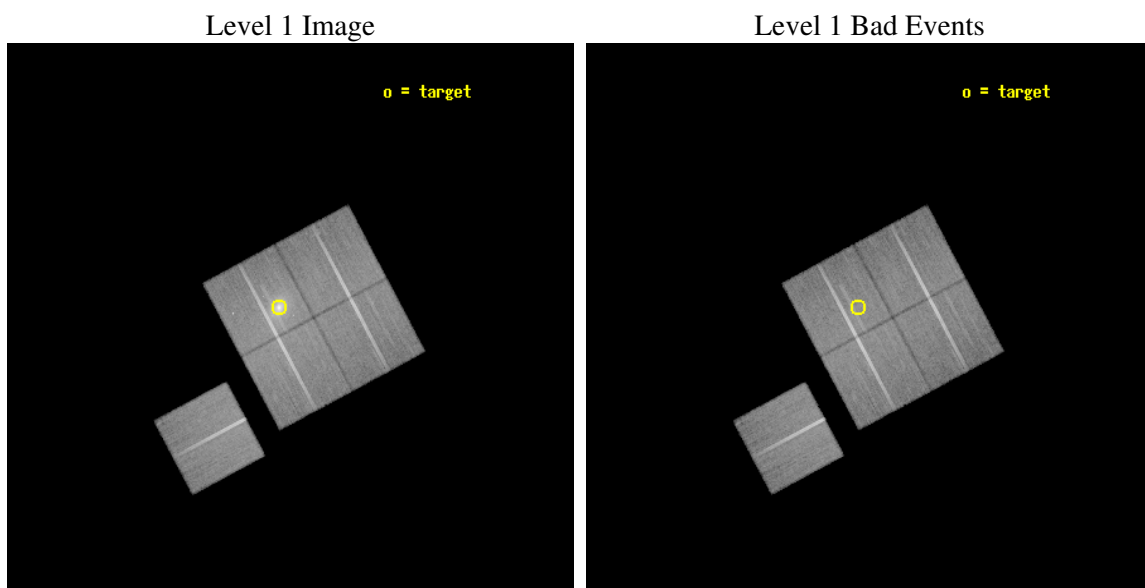
seq_num	800185
obs_id	3185
title	A DETAILED STUDY OF THE CLUSTER A907
observer	Dr. Stephen Murray
object	A907
dtcycle	0
cycle	P
ra_targ	149.591667
dec_targ	-11.064
ra_nom	149.57188025113
dec_nom	-11.096278306738
roll_nom	241.93303524031
revision	2
ontime	48669.87701568
livetime	48033.969242228
ontime0	48679.299906403
ontime1	48673.017975897
ontime2	48666.736015588
ontime3	48669.87701568
ontime6	48676.158936203
l2events	168286



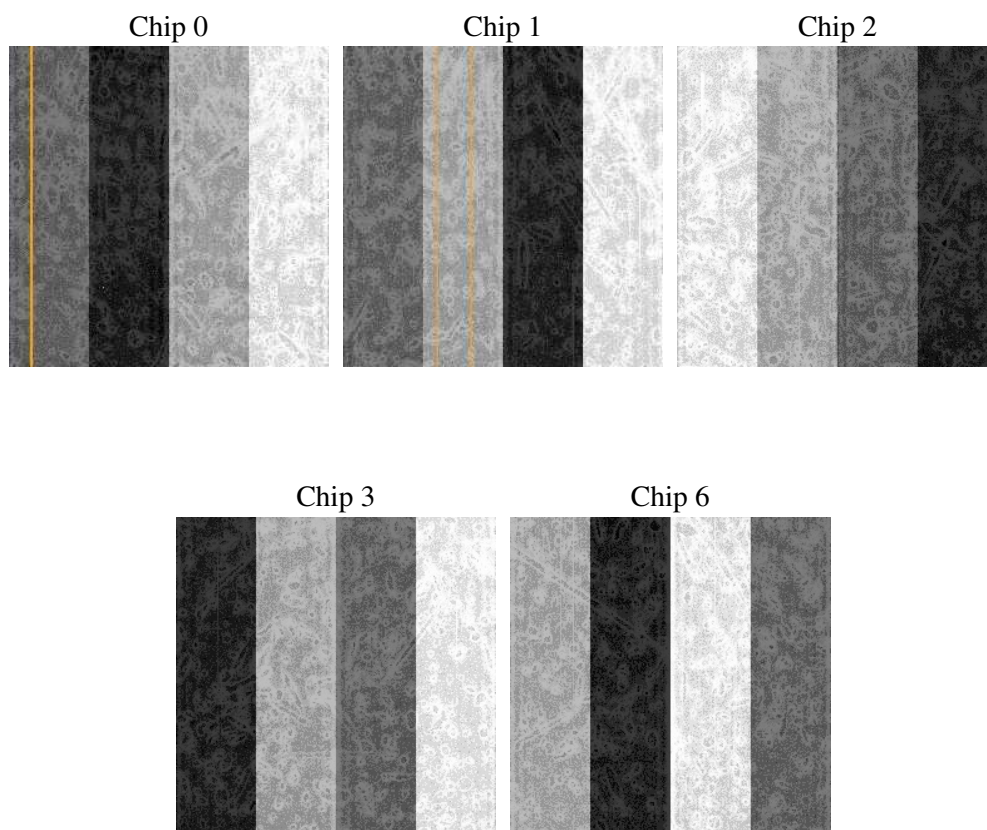
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.3
date	2006-09-19T14:02:44
revision	2

sched_exp_time	48500.000000
ontime	49122.114399165
ontime0	49131.537309796
ontime1	49125.255359381
ontime2	49118.973399073
ontime3	49122.114399165
ontime6	49128.396319687
l1events	1372654

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	248155	250299	277869	325878	270453
rejected events	221935	219268	250410	244341	244169
rejected %	89%	87%	90%	74%	90%

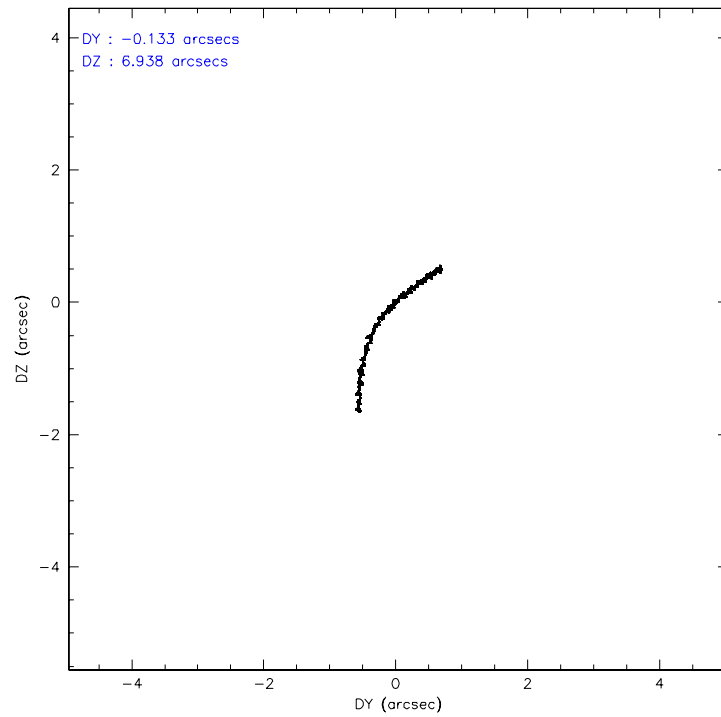
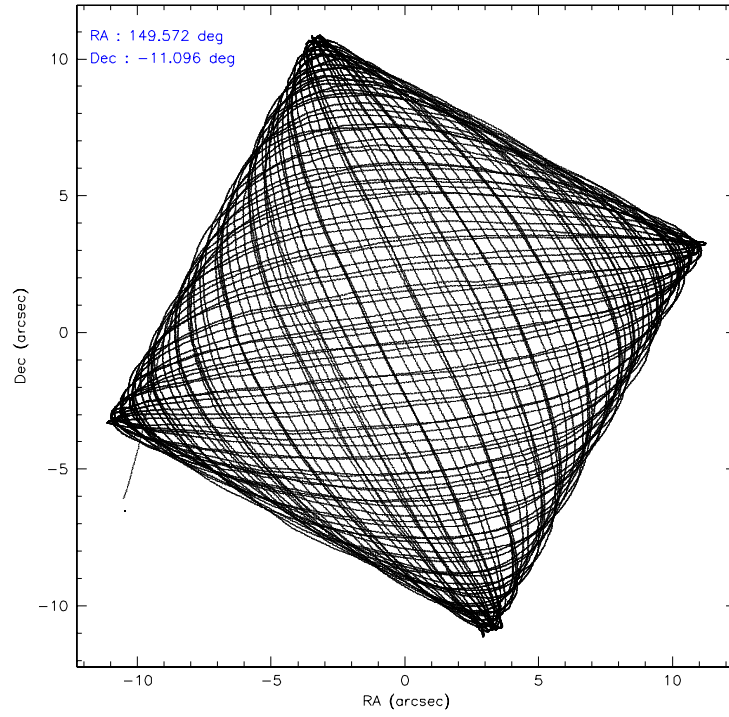
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	9334	12461	10937	55786	9024
	3%	4%	3%	17%	3%
grade 1 events	87	119	92	312	119
	0%	0%	0%	0%	0%
grade 2 events	6031	6312	6114	10963	5649
	2%	2%	2%	3%	2%
grade 3 events	3170	3487	2872	4460	3238
	1%	1%	1%	1%	1%
grade 4 events	2838	3350	2880	4478	2992
	1%	1%	1%	1%	1%
grade 5 events	8802	9327	8157	9671	9886
	3%	3%	2%	2%	3%
grade 6 events	5073	5726	4906	6249	5621
	2%	2%	1%	1%	2%
grade 7 events	212820	209517	241911	233959	233924
	85%	83%	87%	71%	86%

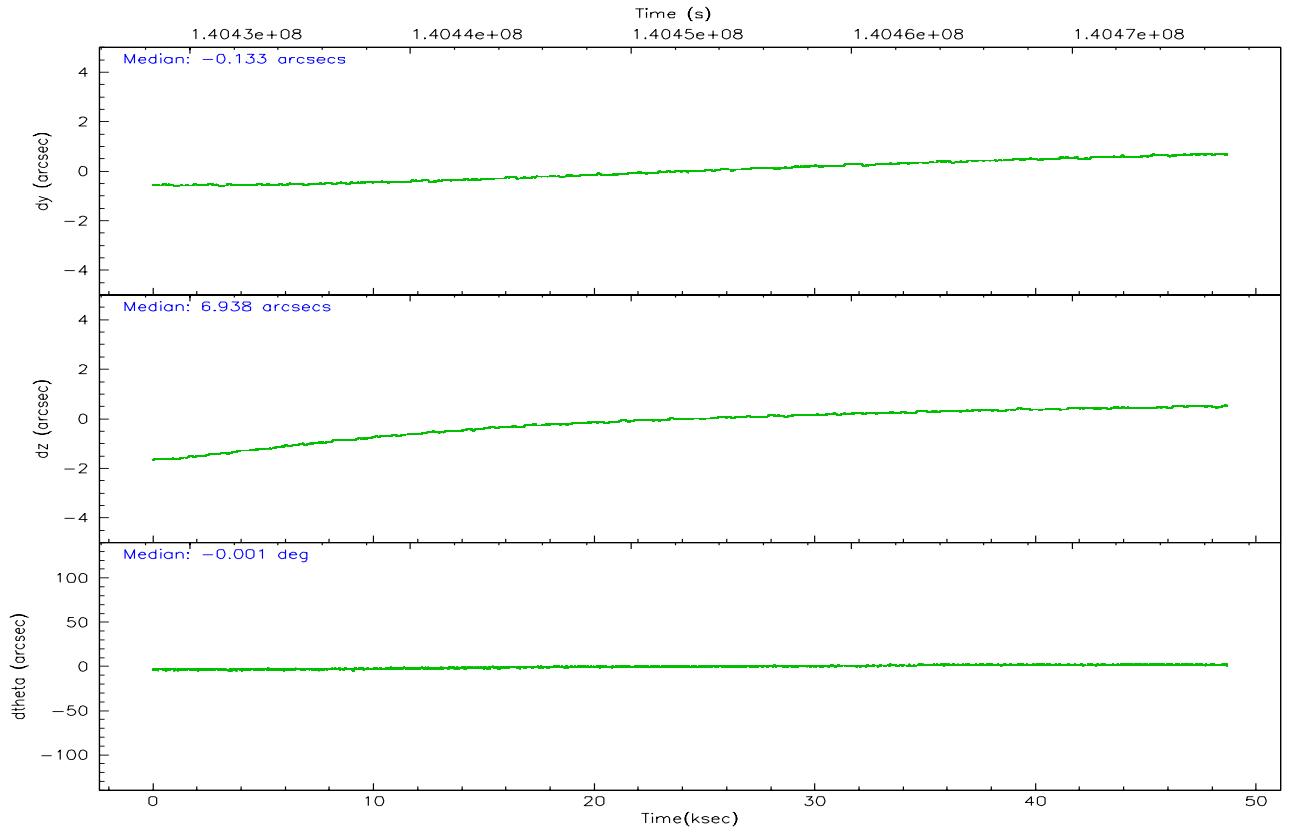
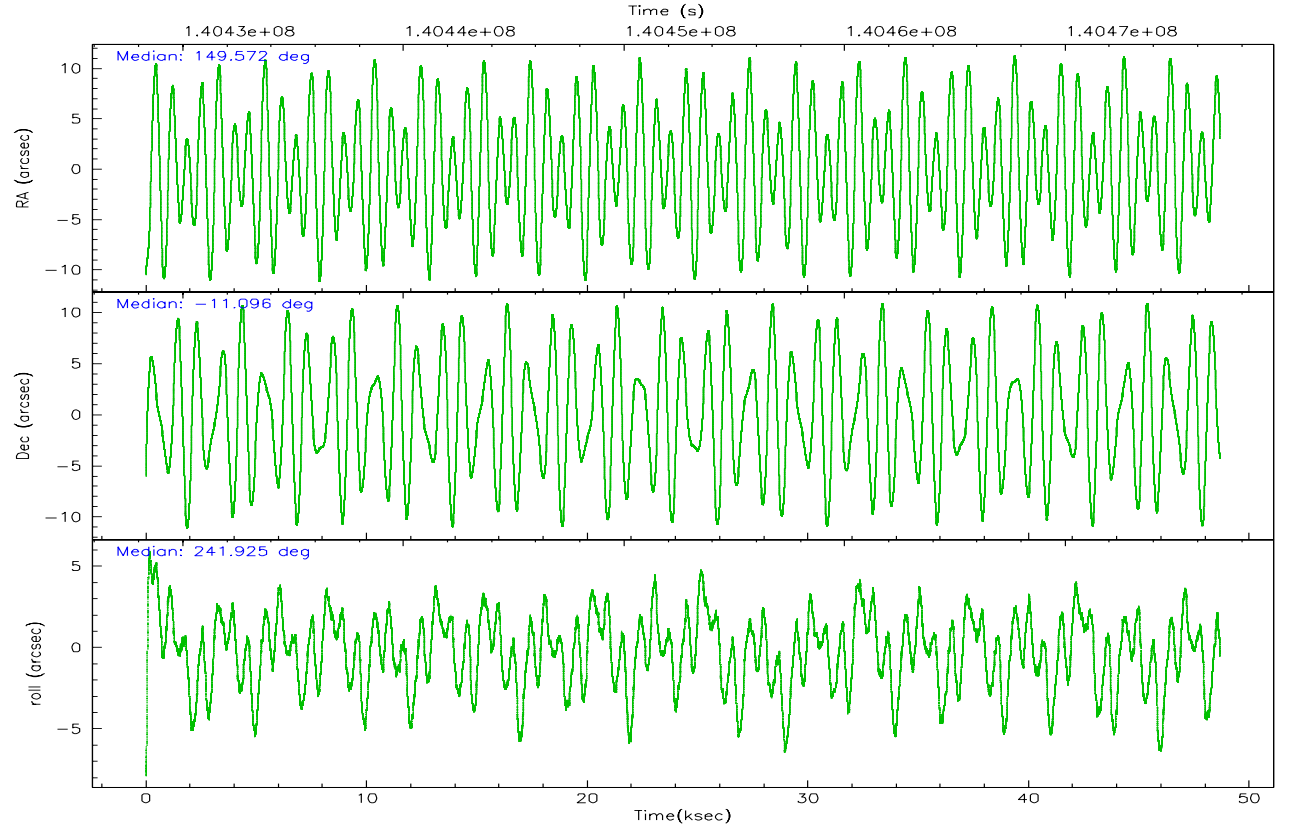


## 2.2 Compared Parameters

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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	149.570846	149.5718802511288	Subarray requested	NONE	NONE
Pointing Dec	-11.068910	-11.09627830673763	Alternating exposures requested	N	N
Pointing Roll	241.724154	241.9330352403134	Primary exposure time	0.000000	3.1
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-227.592463	-227.5958210972112			
SIM translation stage offset (mm)	-6	-5.996631905718488			
Observation start time	140428526.184000	140427312.36243			
Observation start date	2002-06-14T07:54:22	2002-06-14T07:35:12			
Observation end time	140477026.184000	140477511.22698			
Observation end date	2002-06-14T21:22:42	2002-06-14T21:31:51			
Read mode	TIMED	TIMED			

## 2.3 Aspect



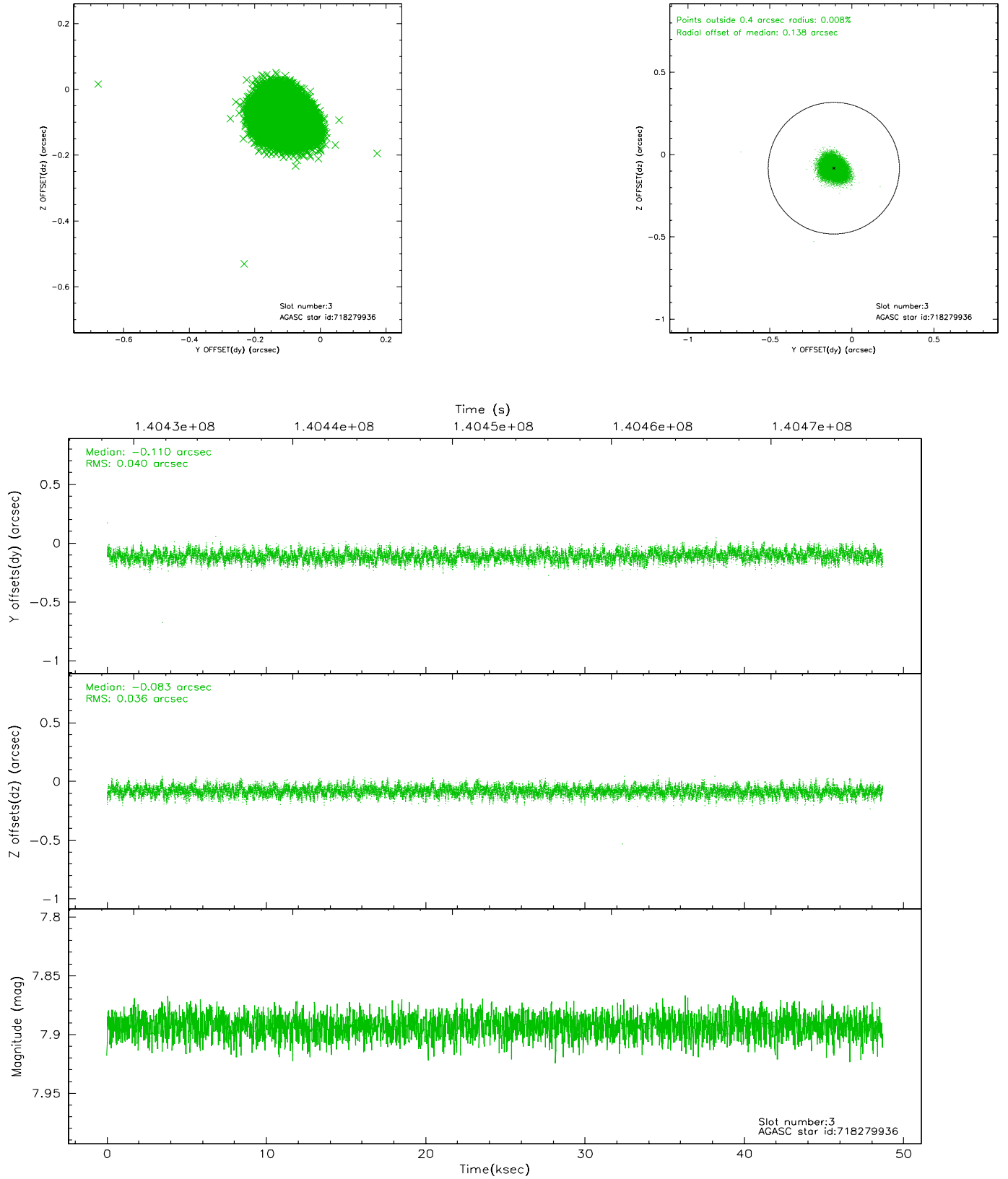


### Slot Statistics

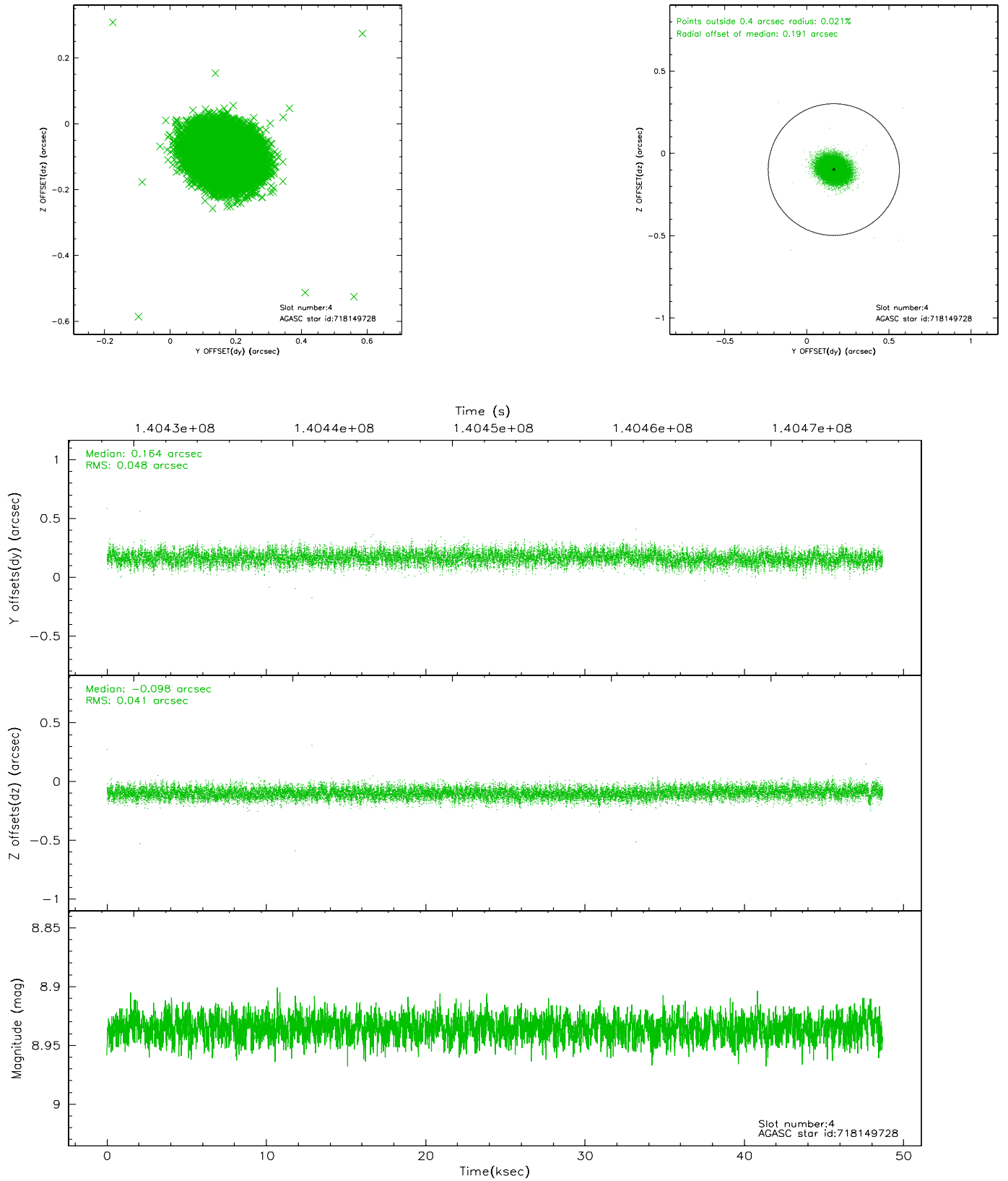
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	11873	0.035	-0.002	0.023	0.047	0.000000	0.000000	939.90	-953.23
1	FID	ACIS-I-5	7.23	11872	-0.147	0.056	0.021	0.030	0.000000	0.000000	-1808.35	944.37
2	FID	ACIS-I-6	7.25	11872	0.030	0.020	0.023	0.035	0.000000	0.000000	405.51	1588.77
3	GUIDE	718279936	7.89	23747	-0.110	-0.083	0.058	0.093	149.904611	-10.701814	-1721.69	414.07
4	GUIDE	718149728	8.94	23742	0.164	-0.098	0.066	0.107	148.975070	-11.248777	1570.00	-1544.47
5	GUIDE	718280536	9.75	23723	-0.183	0.129	0.130	0.211	150.321636	-10.752976	-2255.99	1801.54
6	GUIDE	718281352	9.60	23730	0.091	0.112	0.123	0.196	150.146622	-10.890852	-1526.22	1490.18
7	GUIDE	718150168	7.01	23744	0.036	-0.062	0.068	0.110	148.806680	-11.034344	1174.01	-2434.84

## 2.4 Star Slots

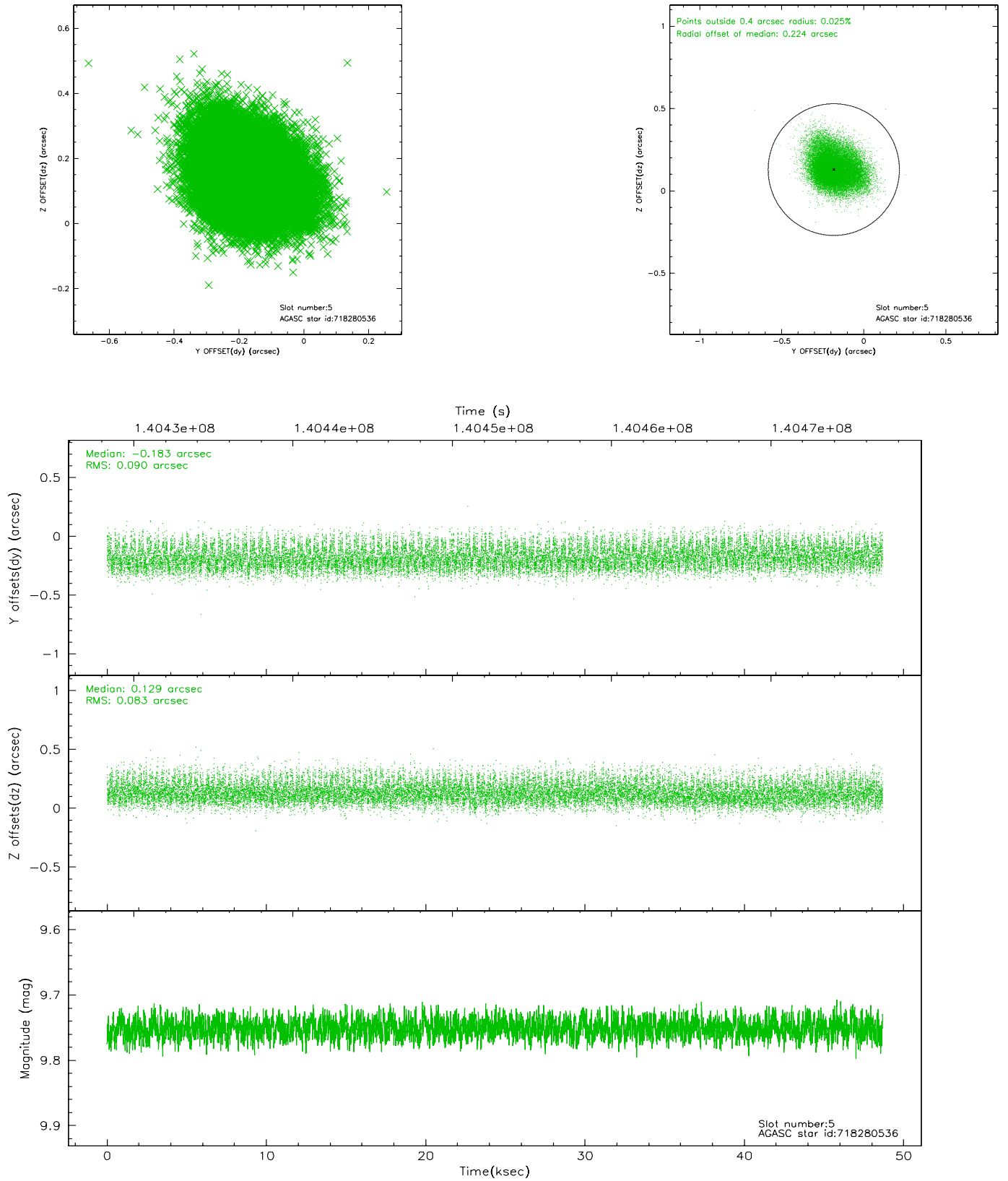
### 2.4.1 Slot 3



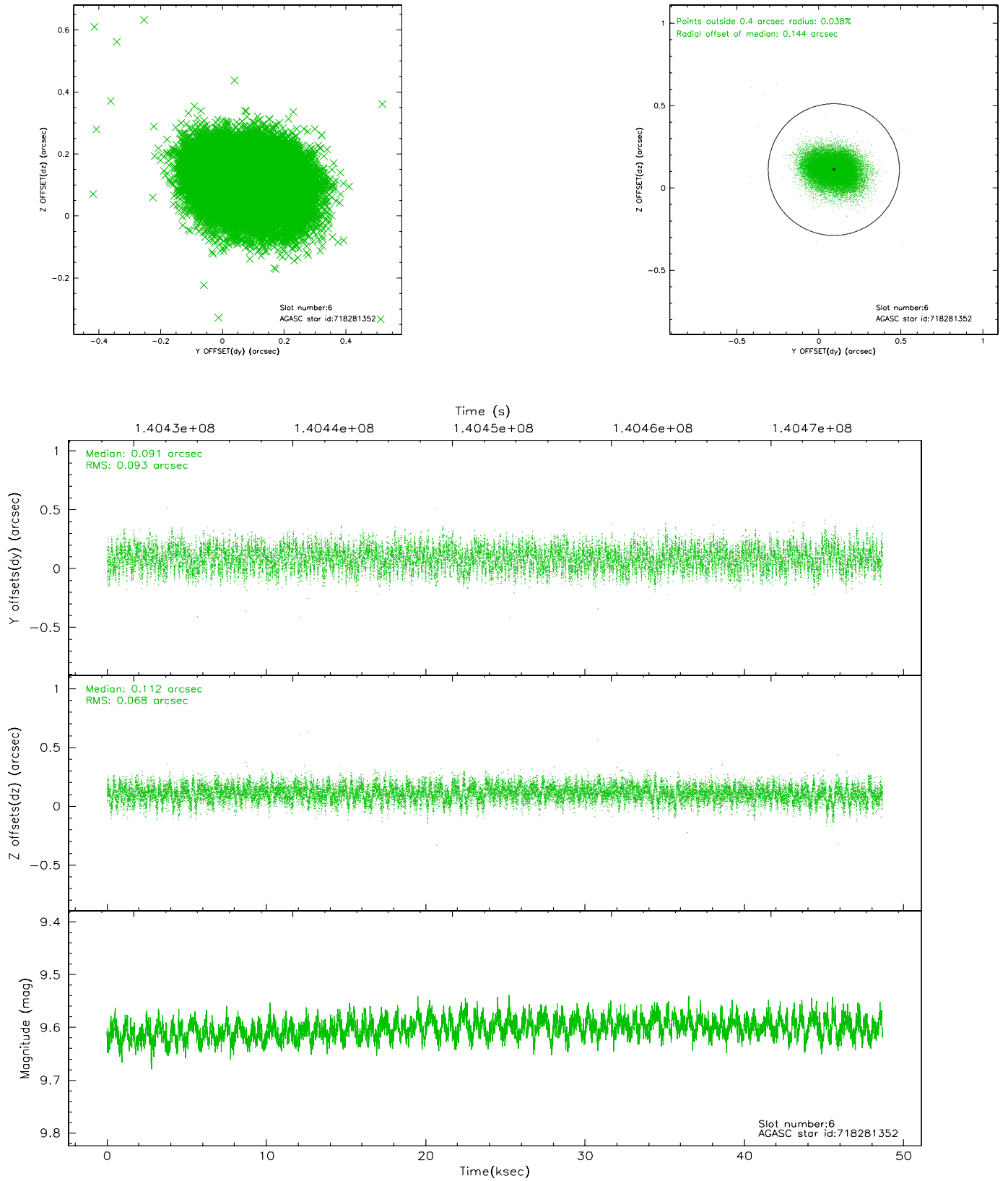
## 2.4.2 Slot 4



### 2.4.3 Slot 5

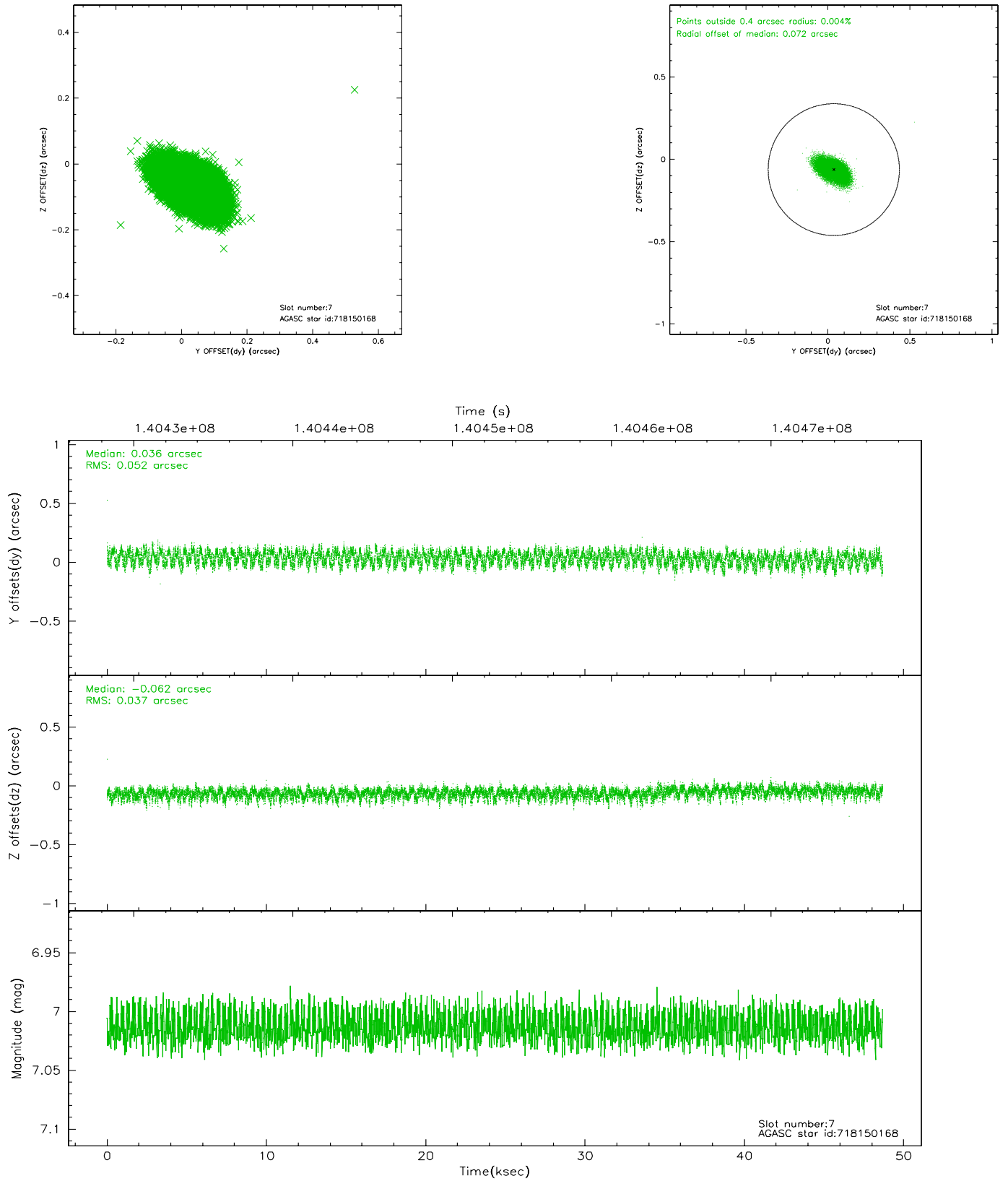


## 2.4.4 Slot 6



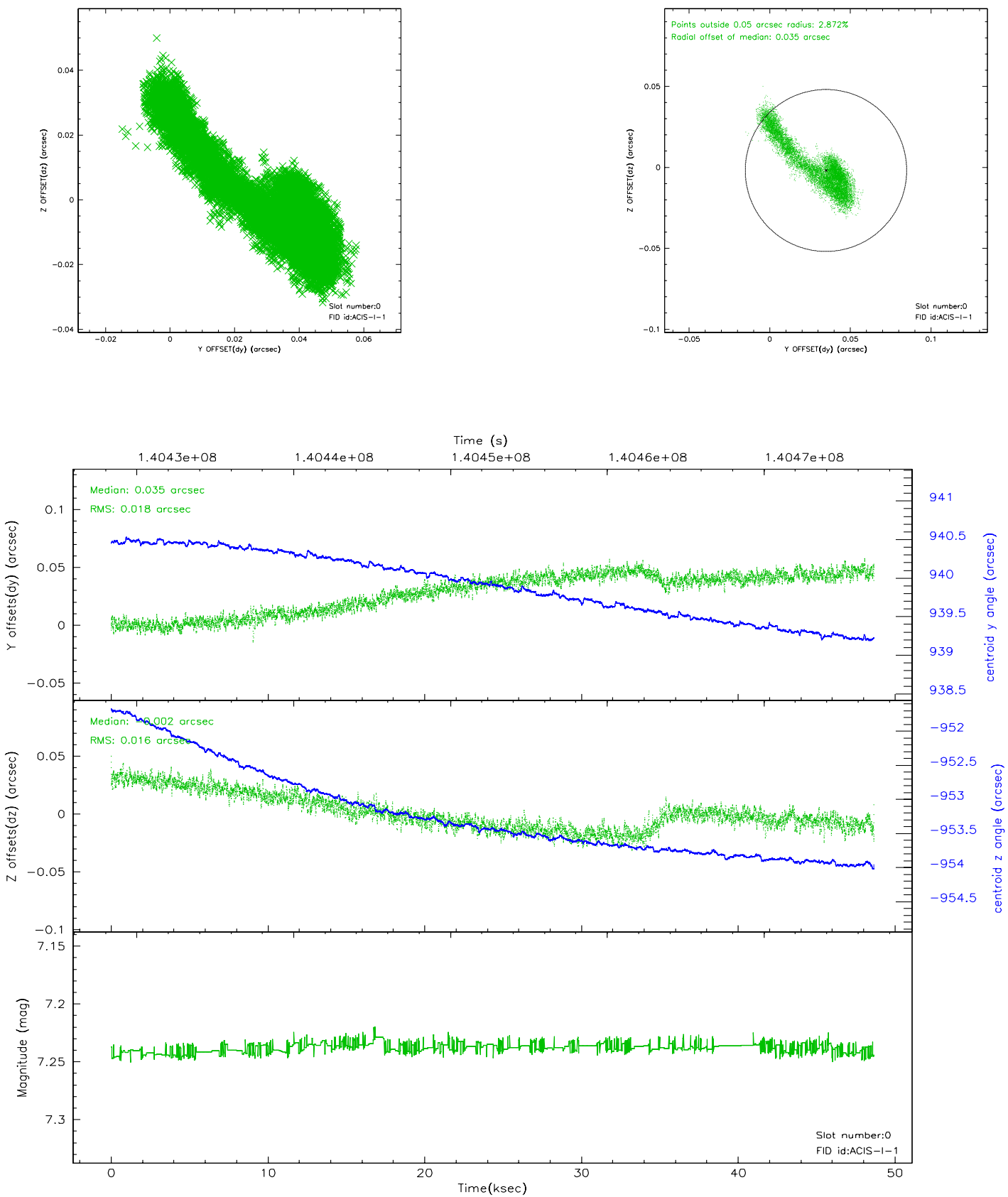


## 2.4.5 Slot 7

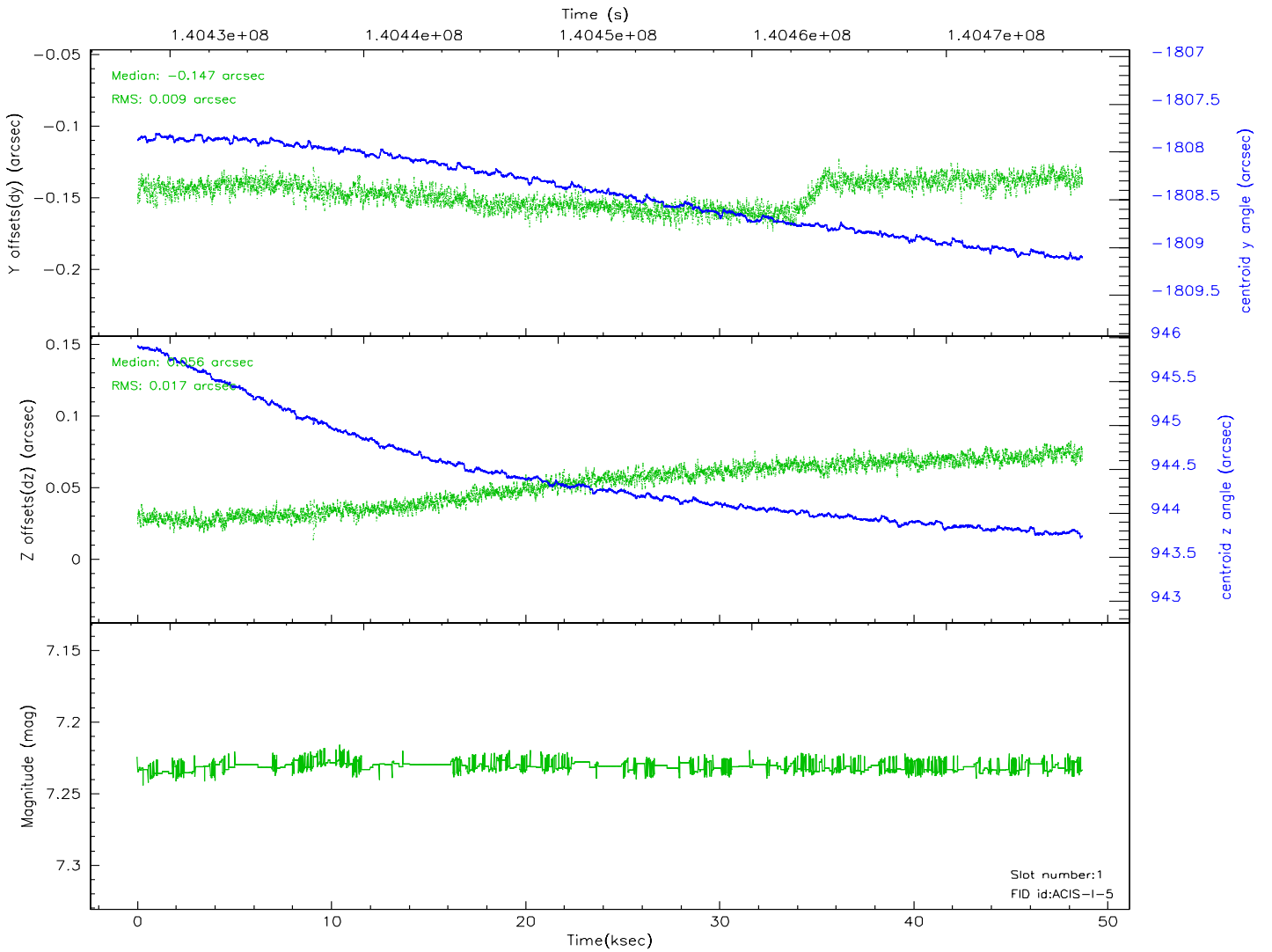
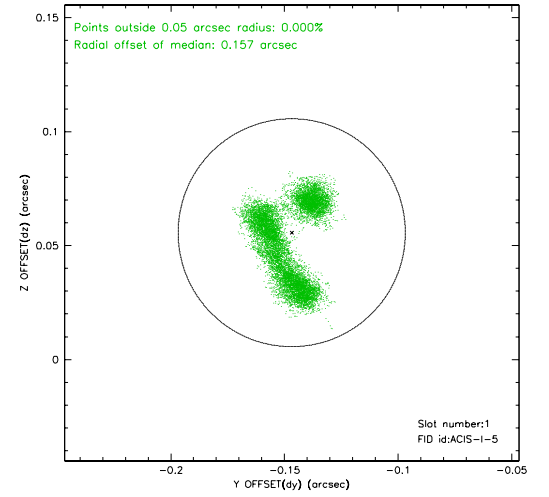
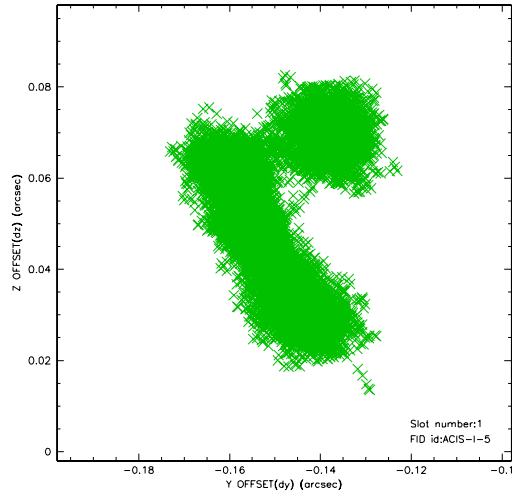


## 2.5 FID Slots

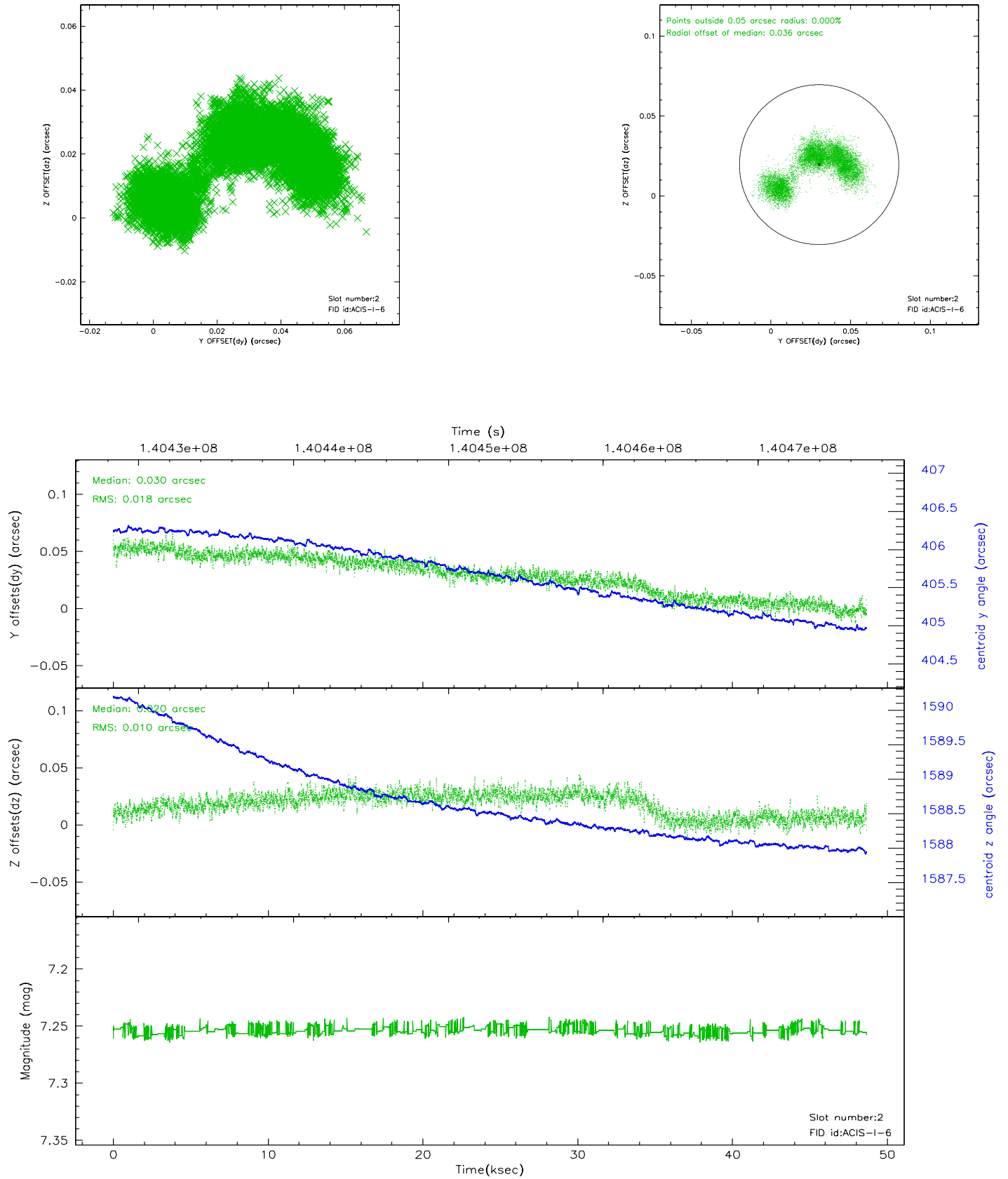
### 2.5.1 Slot 0



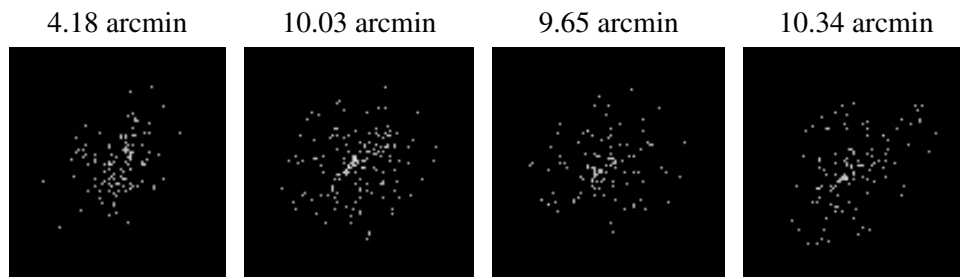
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.09.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	48.669

### A.2 Comments