

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 3353 - L2 Version 001  
Chandra X-Ray Center

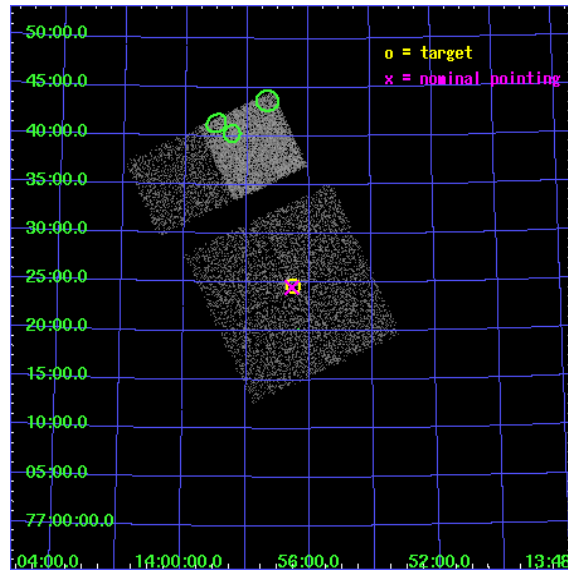
L2 Processing Date : Oct 5 2006

## 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

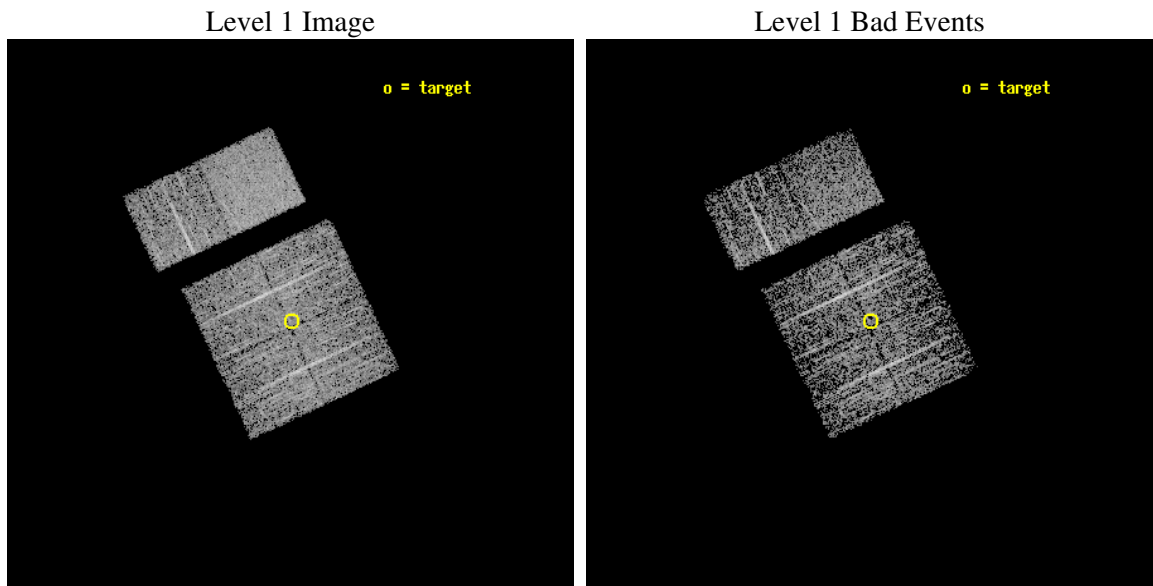
seq_num	900192
obs_id	3353
title	CHANDRA OBSERVATIONS OF OPTICALLY FAINT SOURCES DISCOVERED WITH ASCA
observer	Dr Yoshihiro Ueda
object	1AXG J135629+7724
dtcycle	0
cycle	P
ra_targ	209.123333
dec_targ	77.411889
ra_nom	209.13798421473
dec_nom	77.408476814805
roll_nom	334.88840688029
revision	2
ontime	2863.9999893308
livetime	2827.7342969721
ontime0	2863.9999893308
ontime1	2863.9999893308
ontime2	2863.9999893308
ontime3	2863.9999893308
ontime6	2863.9999893308
ontime7	2863.9999893308
l2events	18106



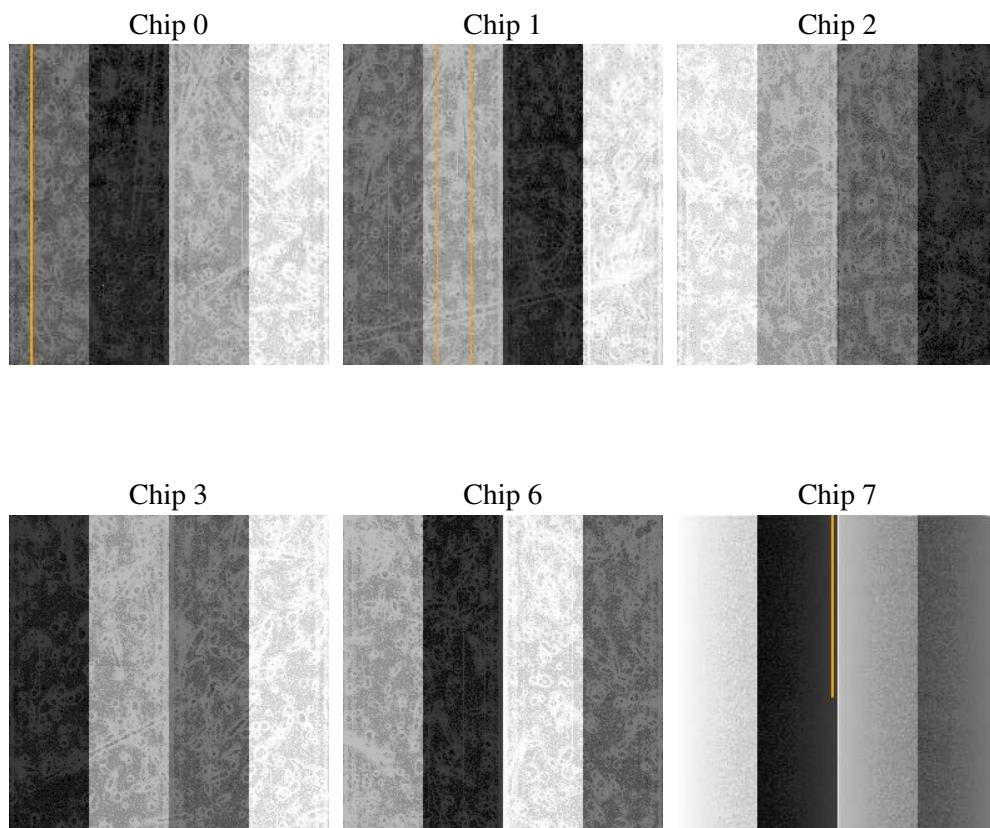
## 2 OBI

### 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	2006-10-05T15:25:44
revision	2

sched_exp_time	2900.000000
ontime	2868.284478873
ontime0	2868.284478873
ontime1	2868.284478873
ontime2	2868.284478873
ontime3	2868.284478873
ontime6	2868.284478873
ontime7	2868.284478873
l1events	108787

### 2.1.4 Events

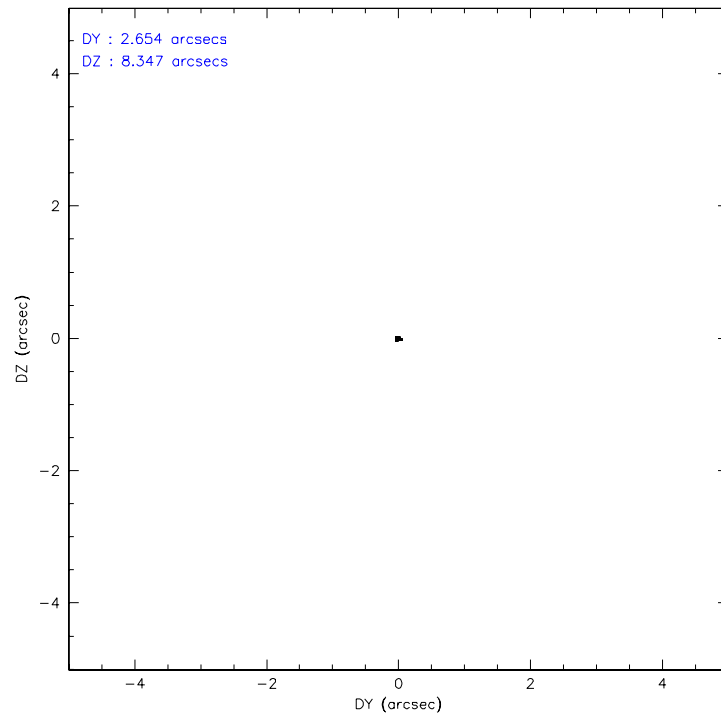
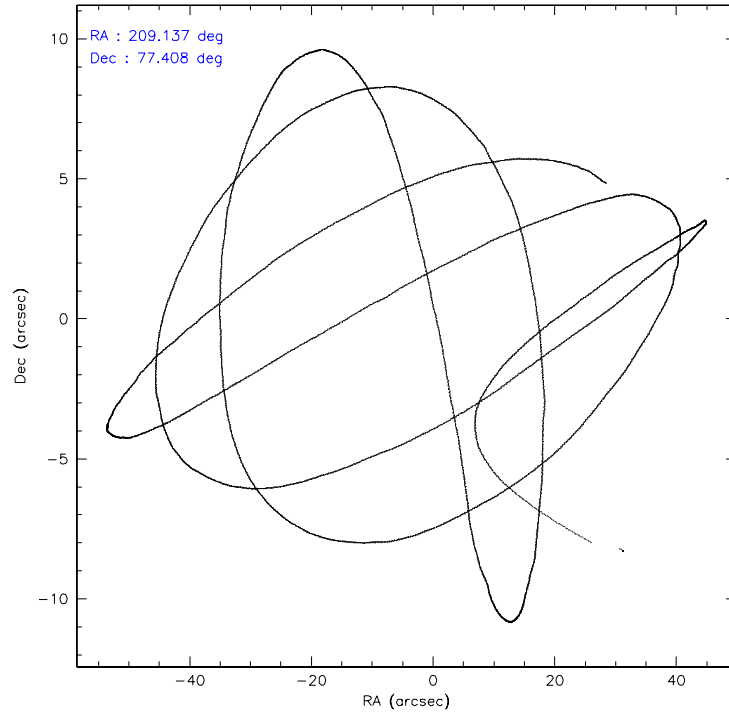
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	17019	16573	16791	17334	17369	23701
rejected events	14868	14318	14630	15074	15333	14717
rejected %	87%	86%	87%	86%	88%	62%

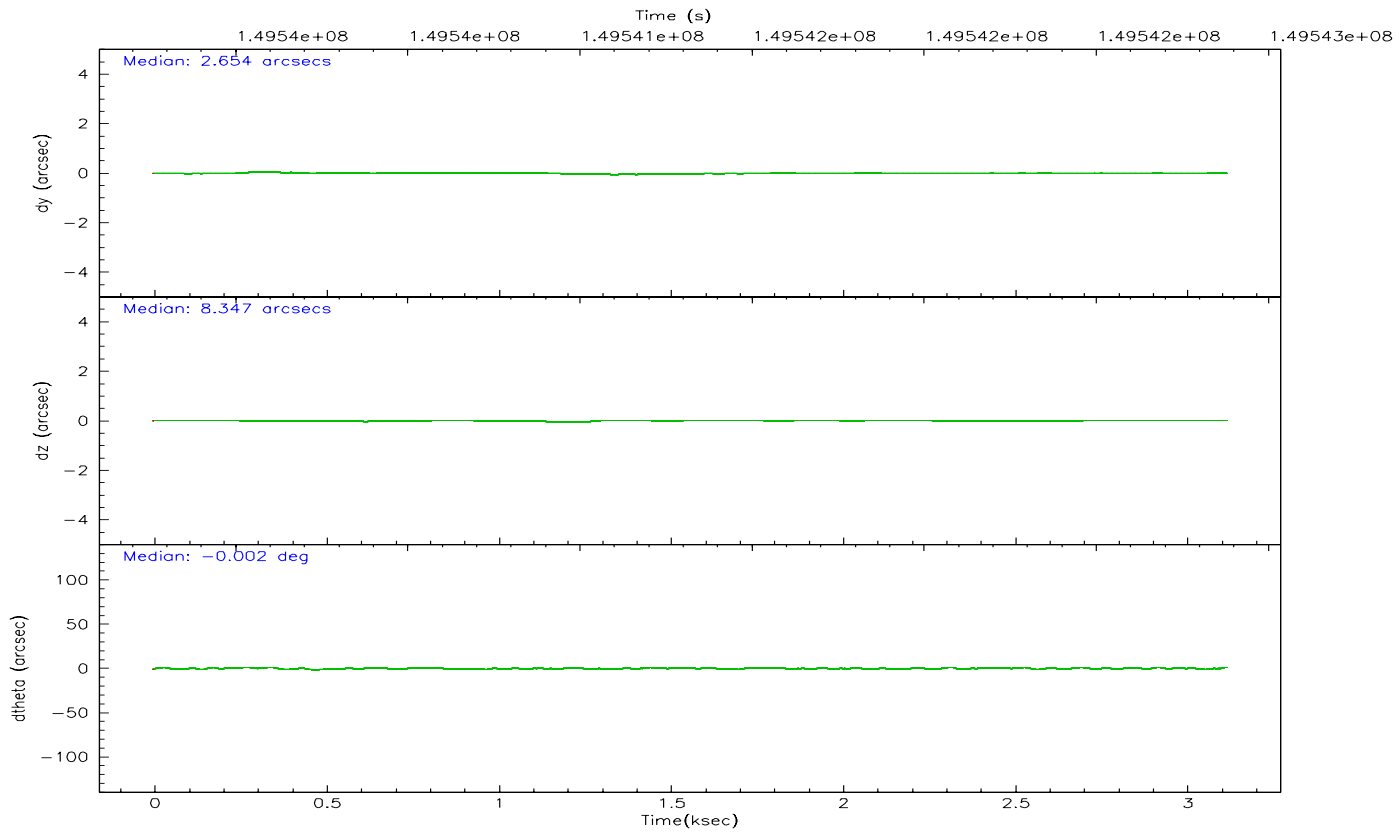
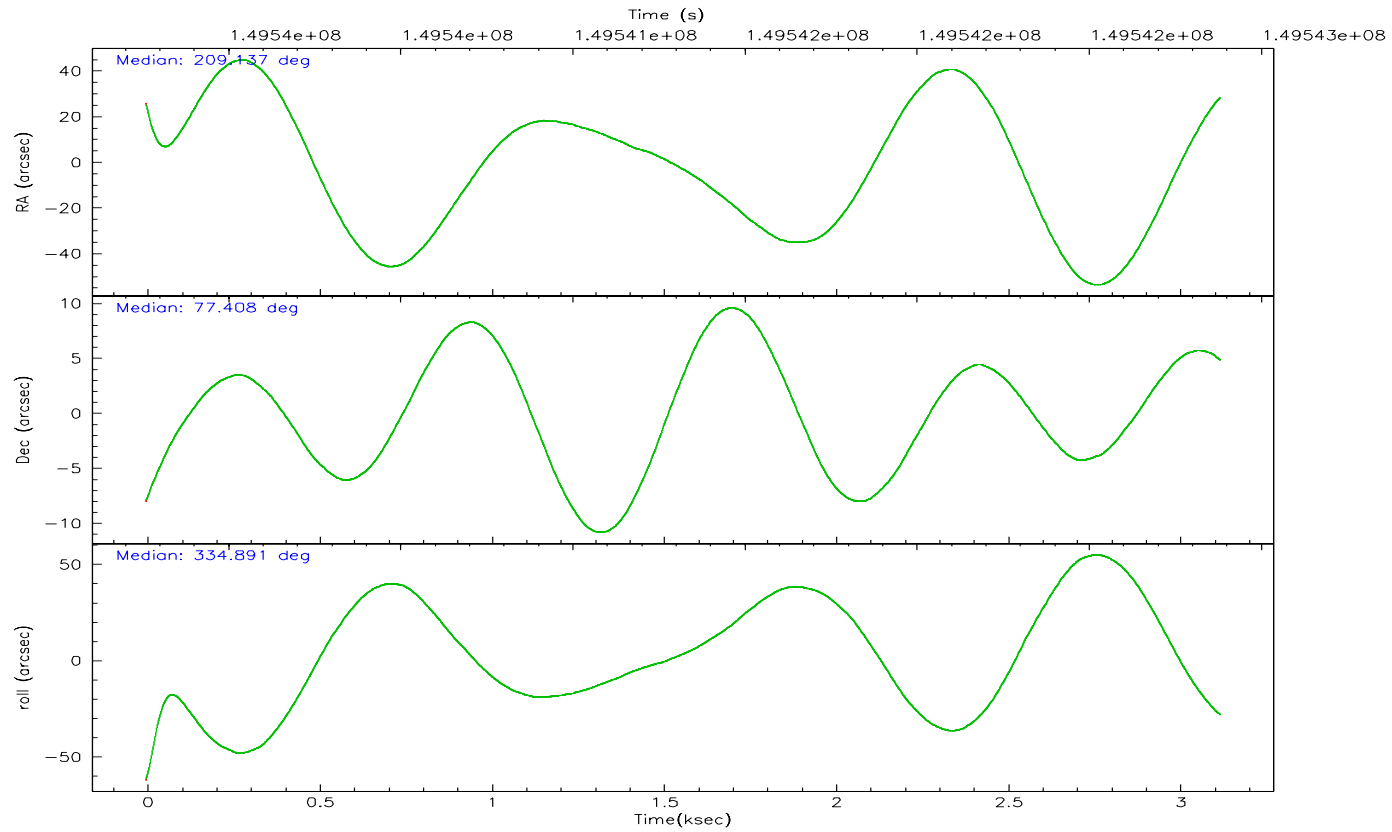
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	959	898	976	997	786	494
	5%	5%	5%	5%	4%	2%
grade 1 events	8	3	9	17	6	8
	0%	0%	0%	0%	0%	0%
grade 2 events	453	475	452	429	452	2227
	2%	2%	2%	2%	2%	9%
grade 3 events	190	221	198	225	206	514
	1%	1%	1%	1%	1%	2%
grade 4 events	198	224	191	235	193	440
	1%	1%	1%	1%	1%	1%
grade 5 events	713	749	675	761	816	1596
	4%	4%	4%	4%	4%	6%
grade 6 events	354	439	346	381	402	5316
	2%	2%	2%	2%	2%	22%
grade 7 events	14144	13564	13944	14289	14508	13106
	83%	81%	83%	82%	83%	55%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	209.012485	209.1379842147331	Subarray requested	NONE	NONE
Pointing Dec	77.405971	77.40847681480527	Alternating exposures requested	N	N
Pointing Roll	334.802318	334.8884068802931	Primary exposure time	0.000000	3.2
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-233.592463	-233.5874344608287			
SIM translation stage offset (mm)	0	-0.005018542100998502			
Observation start time	149539975.184000	149538995.39997			
Observation start date	2002-09-27T18:51:51	2002-09-27T18:36:35			
Observation end time	149542875.184000	149543753.45017			
Observation end date	2002-09-27T19:40:11	2002-09-27T19:55:53			
Read mode	TIMED	TIMED			

## 2.3 Aspect





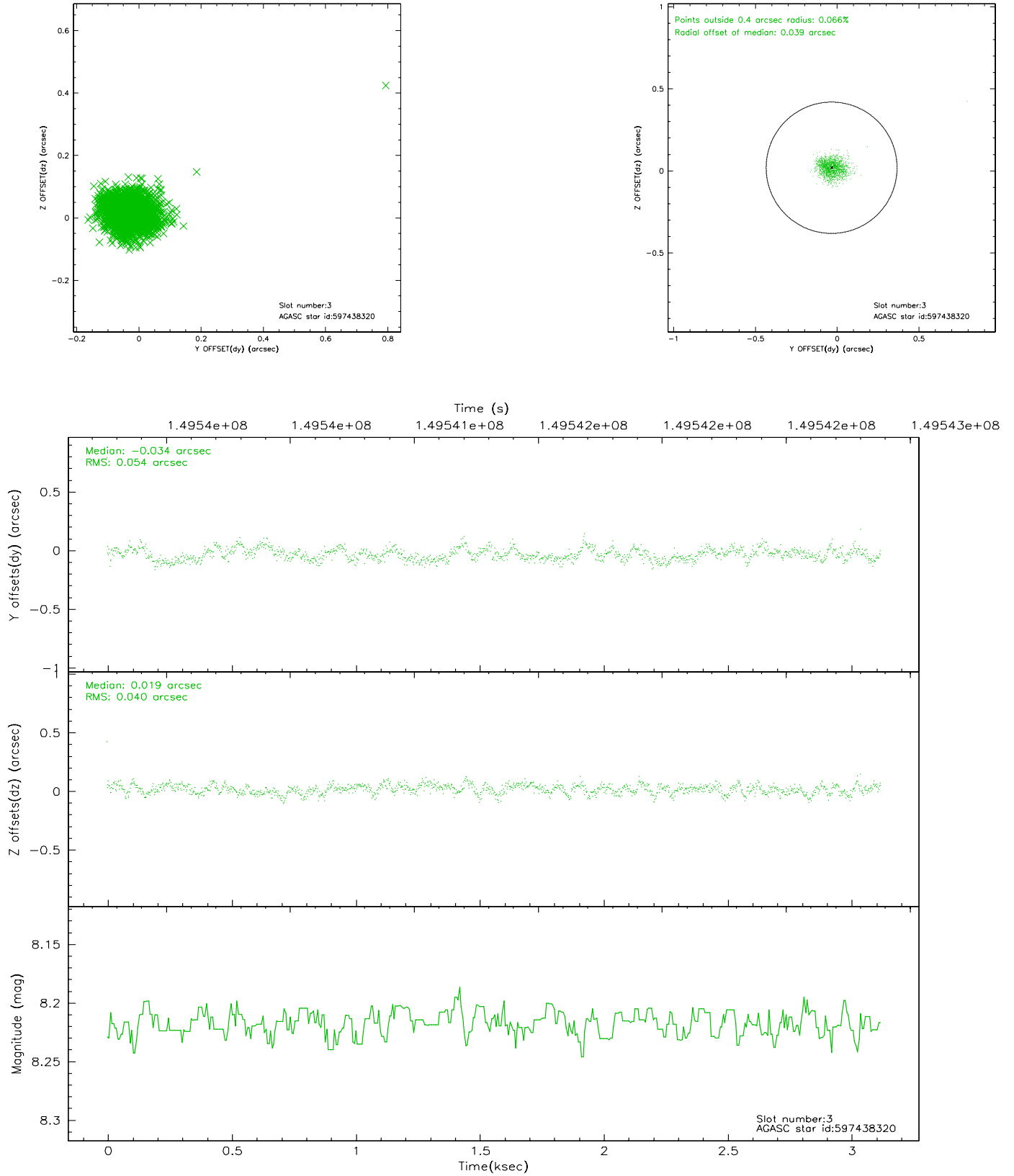
### Slot Statistics

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	761	-0.042	0.088	0.006	0.011	0.000000	0.000000	937.10	-831.69
1	FID	ACIS-I-5	7.24	761	-0.028	0.027	0.006	0.011	0.000000	0.000000	-1809.84	1064.74
2	FID	ACIS-I-6	7.26	762	-0.021	-0.045	0.007	0.010	0.000000	0.000000	400.48	1711.47
3	GUIDE	597438320	8.22	1523	-0.034	0.019	0.068	0.106	211.341099	76.981655	2343.57	-544.21
4	GUIDE	597439920	9.59	1521	-0.071	-0.054	0.088	0.146	209.143674	77.025210	681.92	-1195.11
5	GUIDE	597428256	9.50	1519	0.090	0.013	0.097	0.153	206.850716	77.153199	-1190.11	-1531.47
6	GUIDE	597438368	9.46	1523	0.092	0.033	0.094	0.159	206.113178	77.230798	-1842.47	-1501.74
7	GUIDE	597431888	9.69	1520	-0.079	-0.002	0.110	0.176	210.892076	76.832812	2262.16	-1189.32

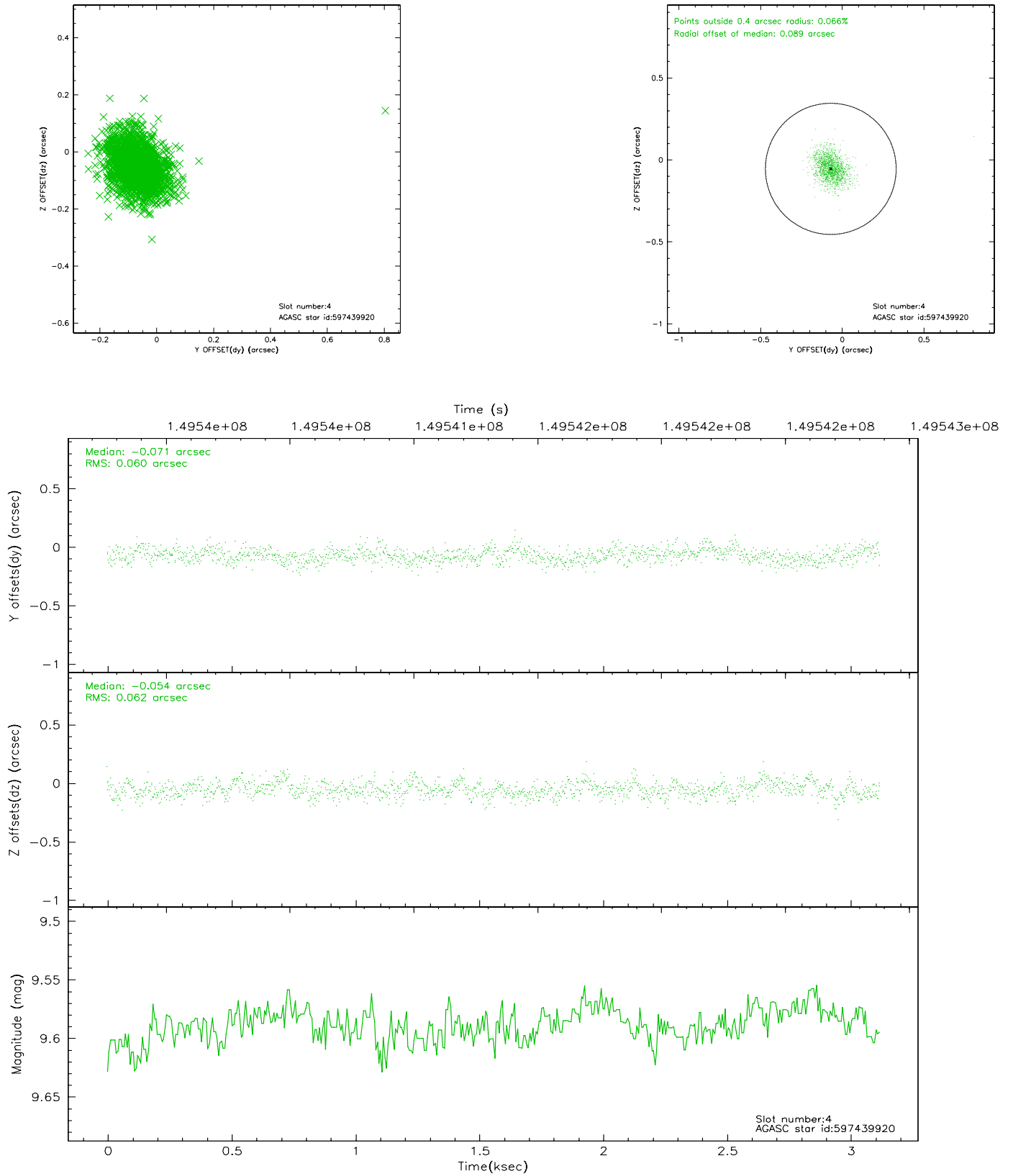


## 2.4 Star Slots

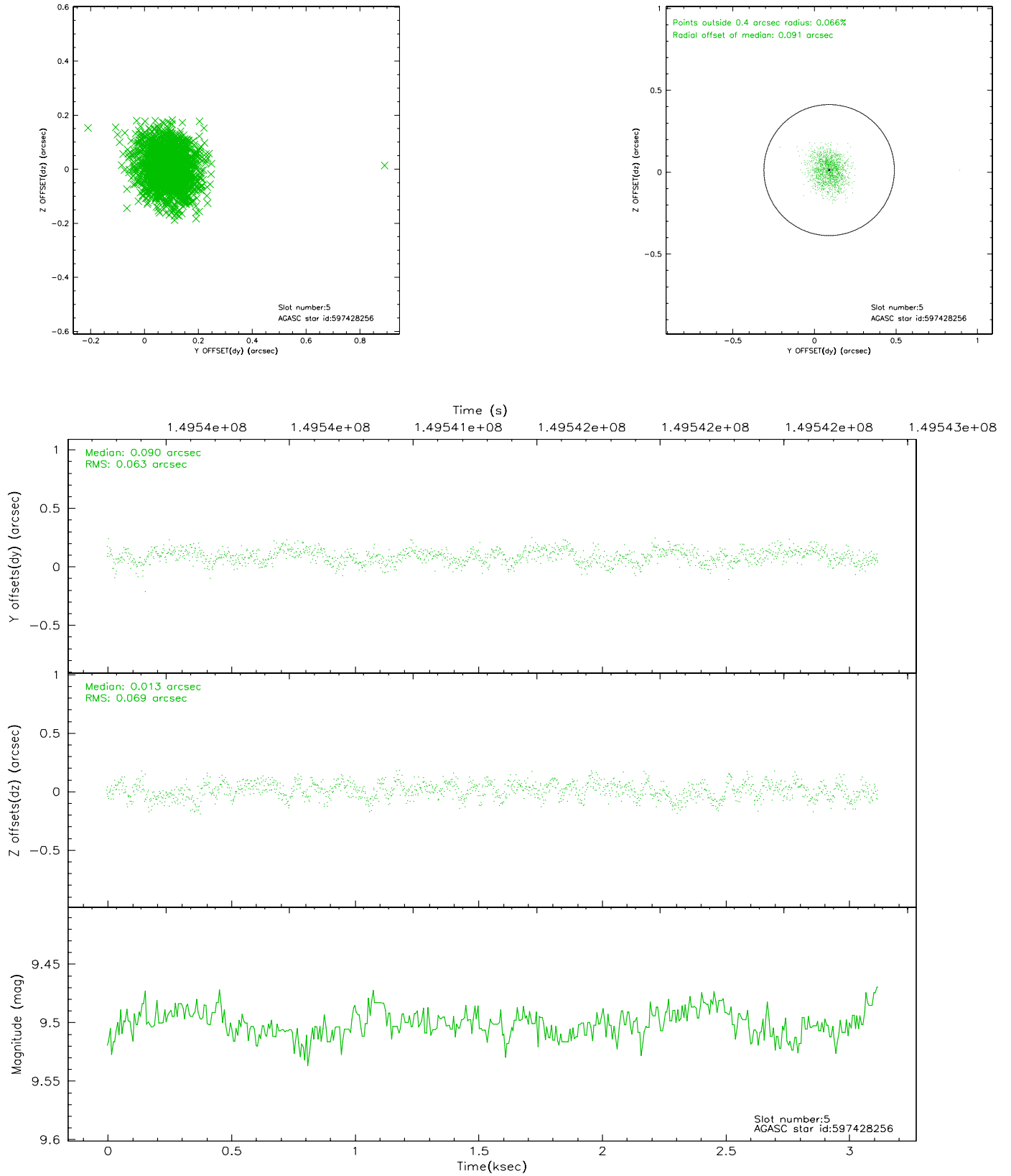
### 2.4.1 Slot 3



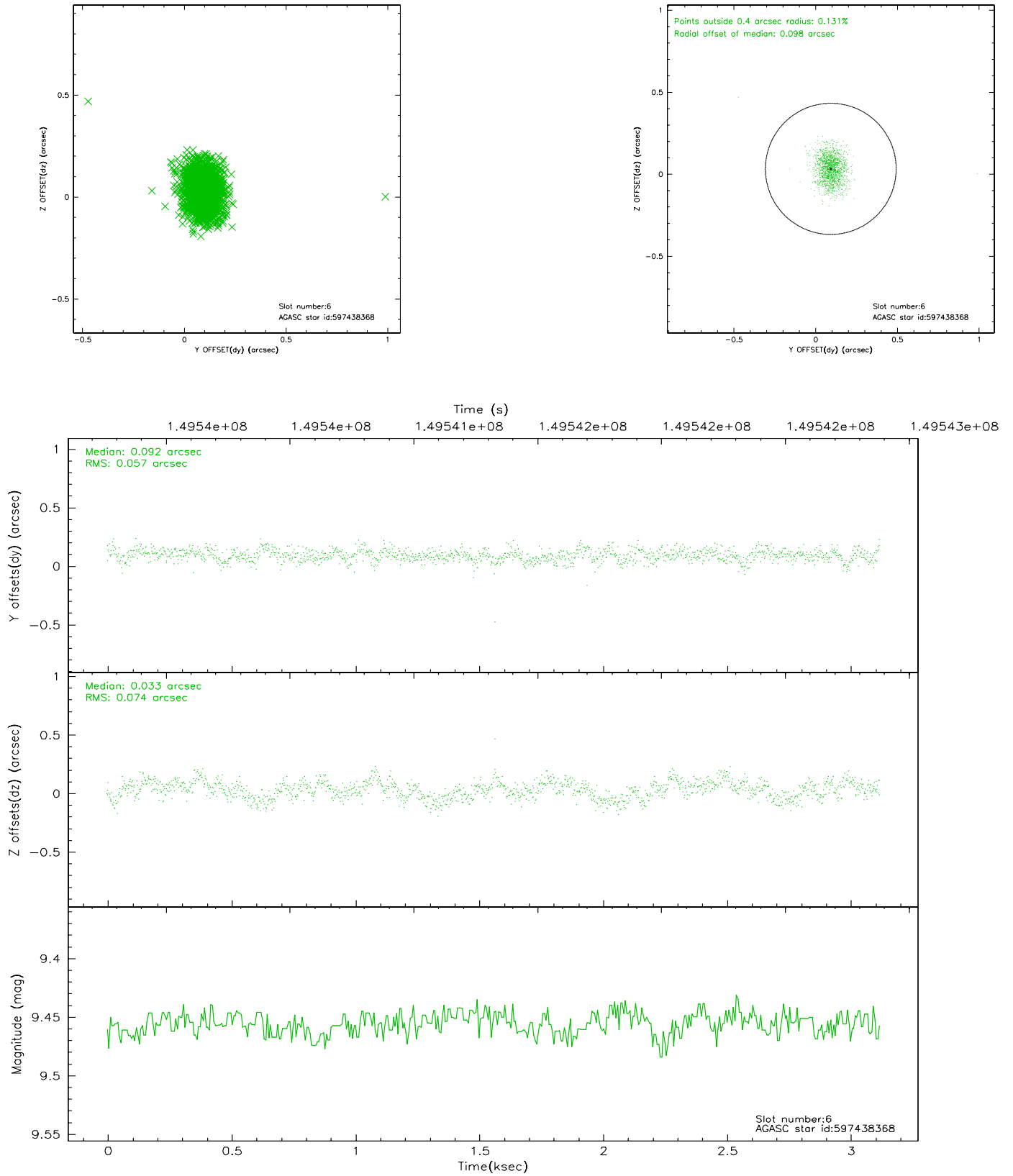
## 2.4.2 Slot 4



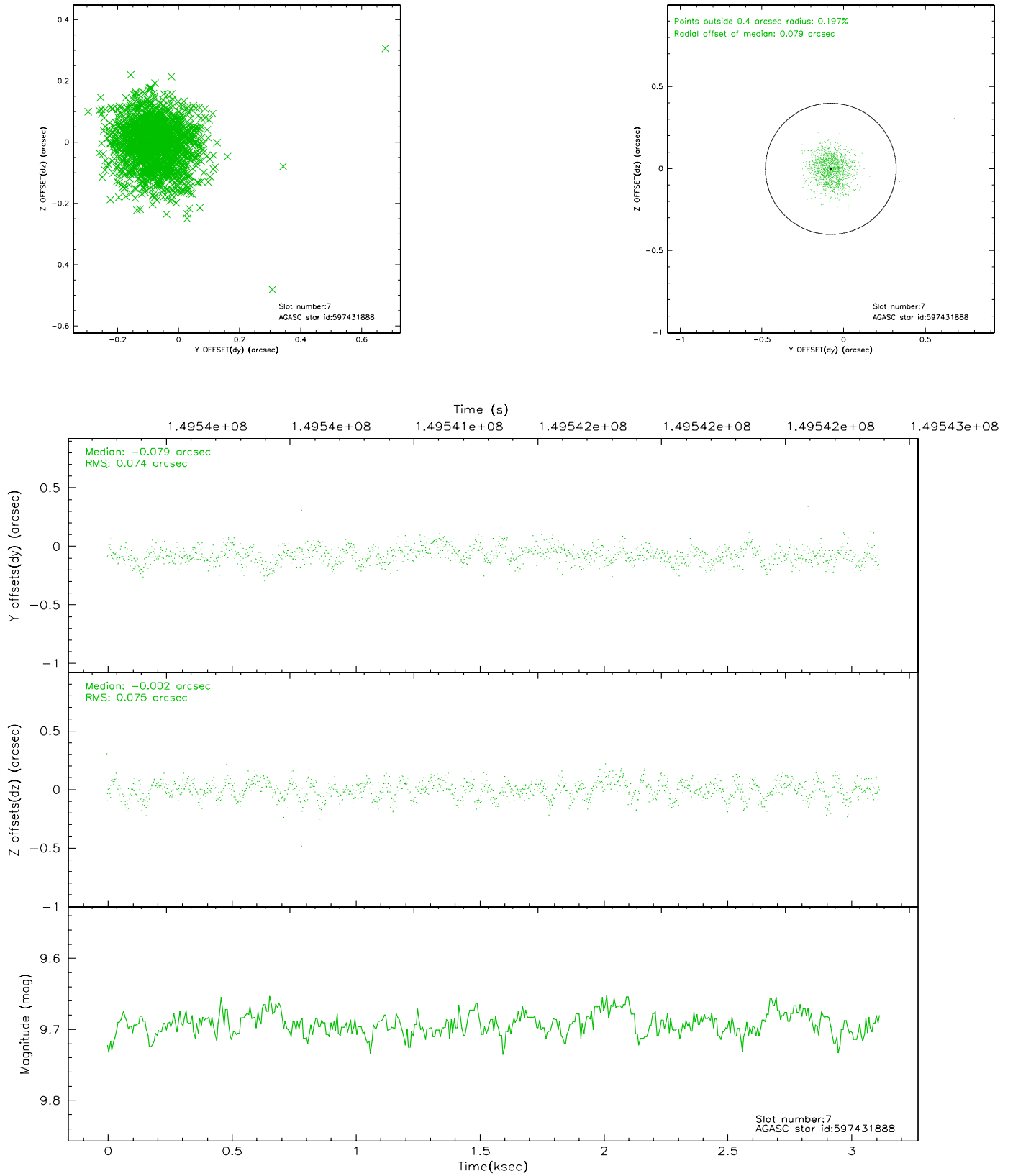
### 2.4.3 Slot 5



## 2.4.4 Slot 6

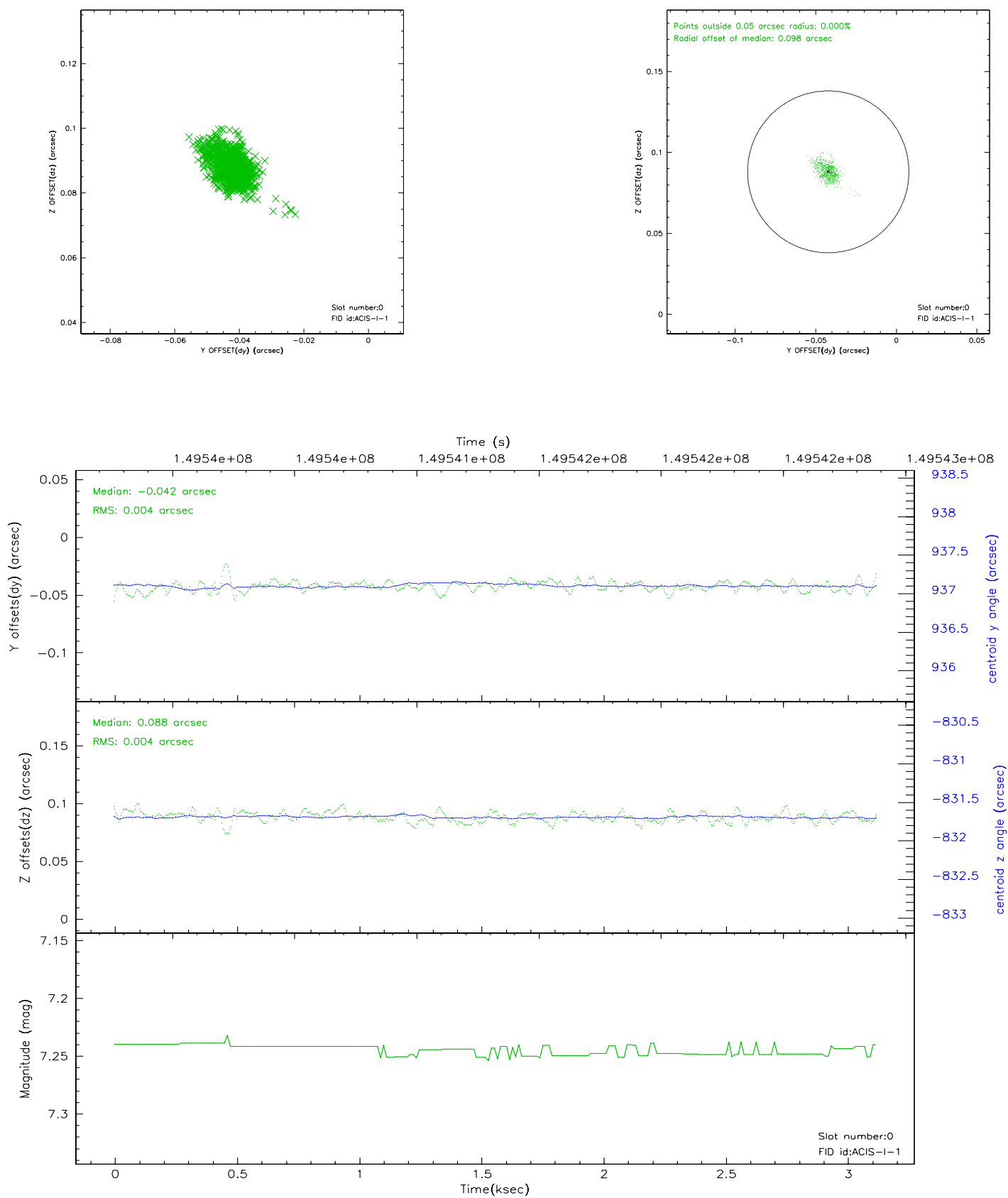


## 2.4.5 Slot 7

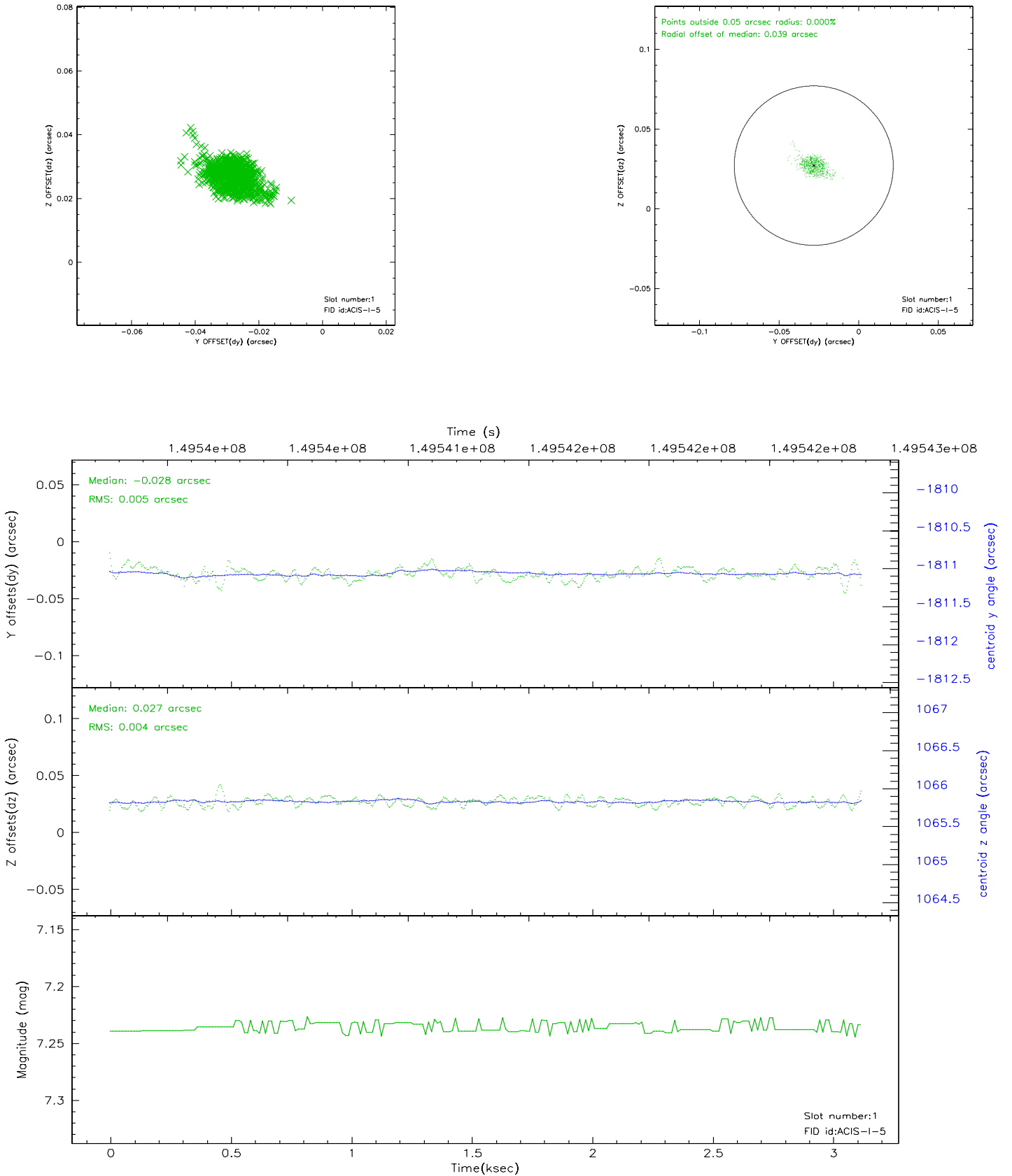


## 2.5 FID Slots

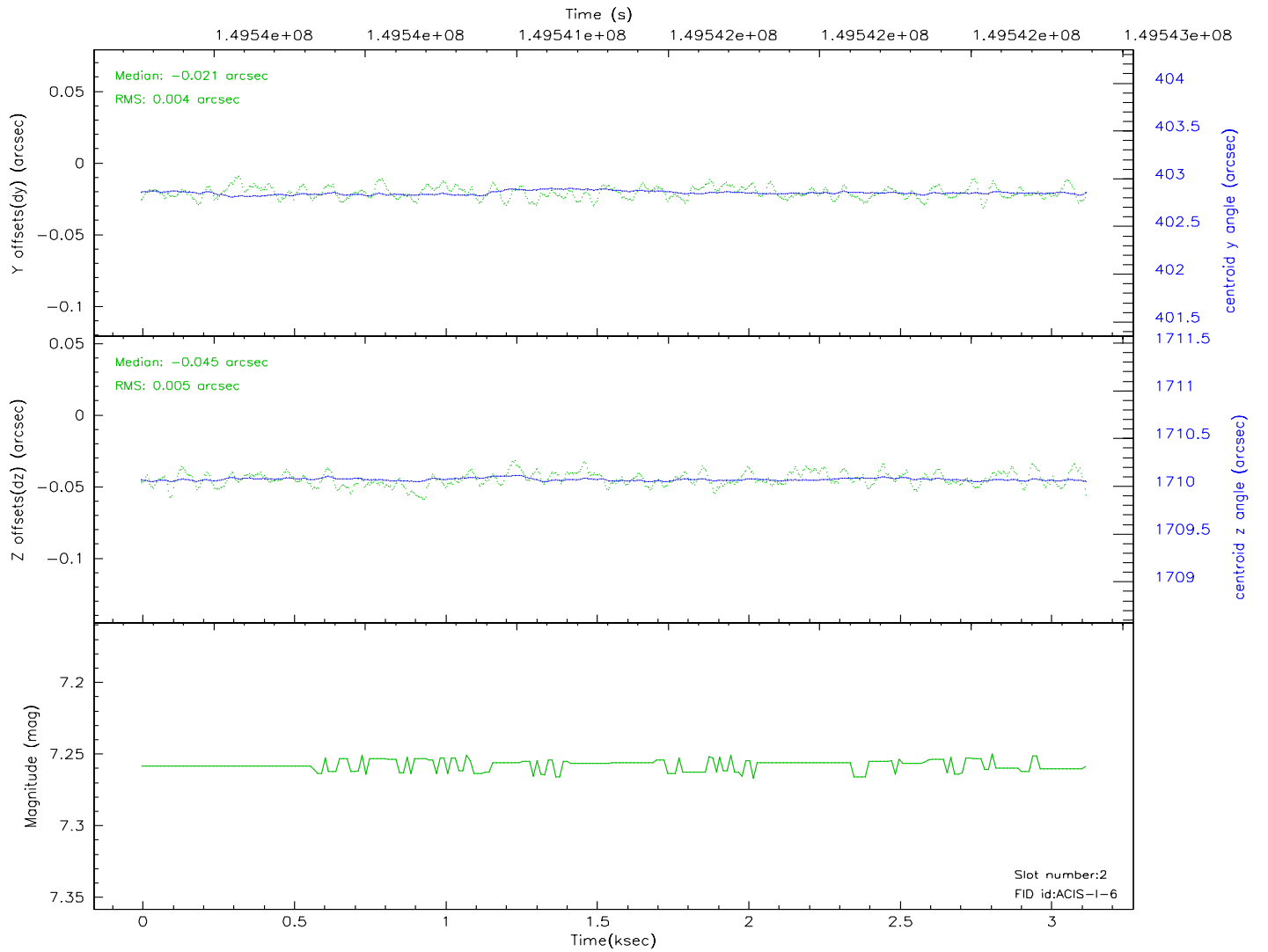
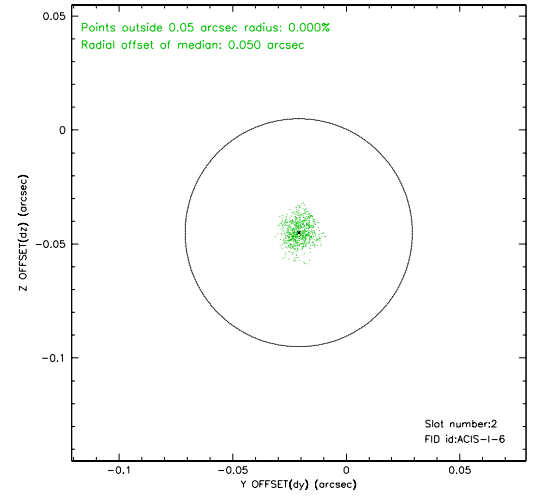
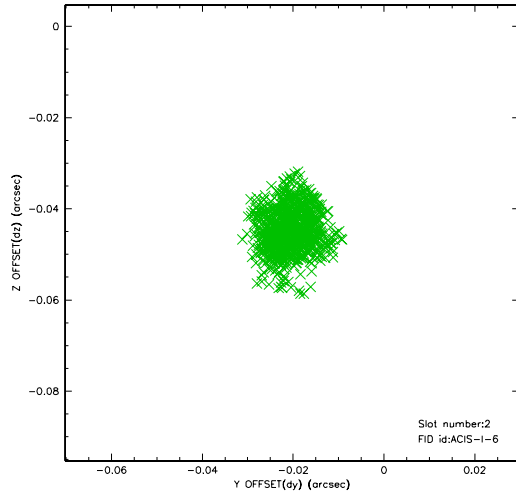
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2





### 3 Point Sources

4.32 arcmin



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.10.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.863

### A.2 Comments