

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 3304 - L2 Version 001  
Chandra X-Ray Center

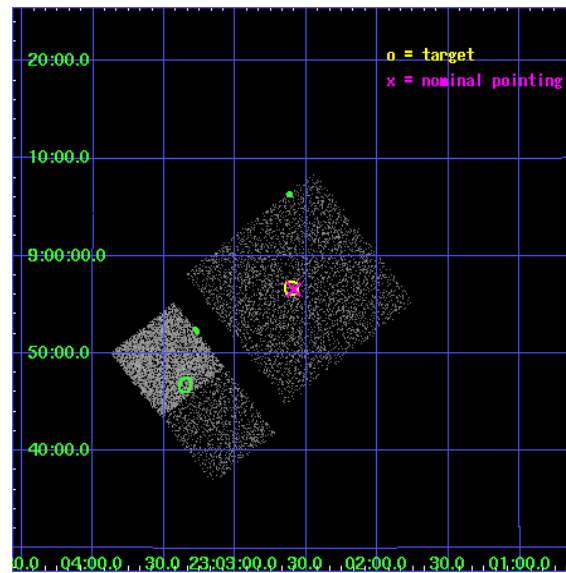
L2 Processing Date : Oct 4 2006

## 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

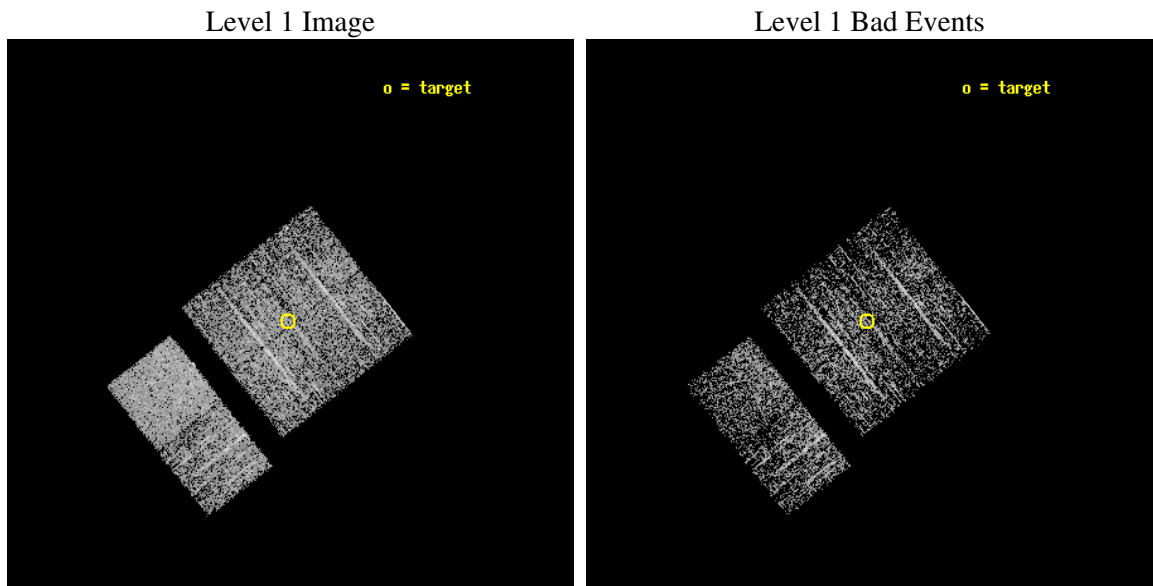
seq_num	900143
obs_id	3304
title	A CHEAP COMPLETE WIDE BRIGHT SURVEY
observer	DR. FABIO LA FRANCA
object	H230236
dtcycle	0
cycle	P
ra_targ	345.650833
dec_targ	8.945
ra_nom	345.64689282598
dec_nom	8.9427802162216
roll_nom	231.69301337644
revision	2
ontime	1551.9590339661
livetime	1532.3071942004
ontime0	1555.1999942064
ontime1	1555.1999942064
ontime2	1551.9590239525
ontime3	1551.9590339661
ontime6	1555.1999942064
ontime7	1555.1999942064
l2events	11989



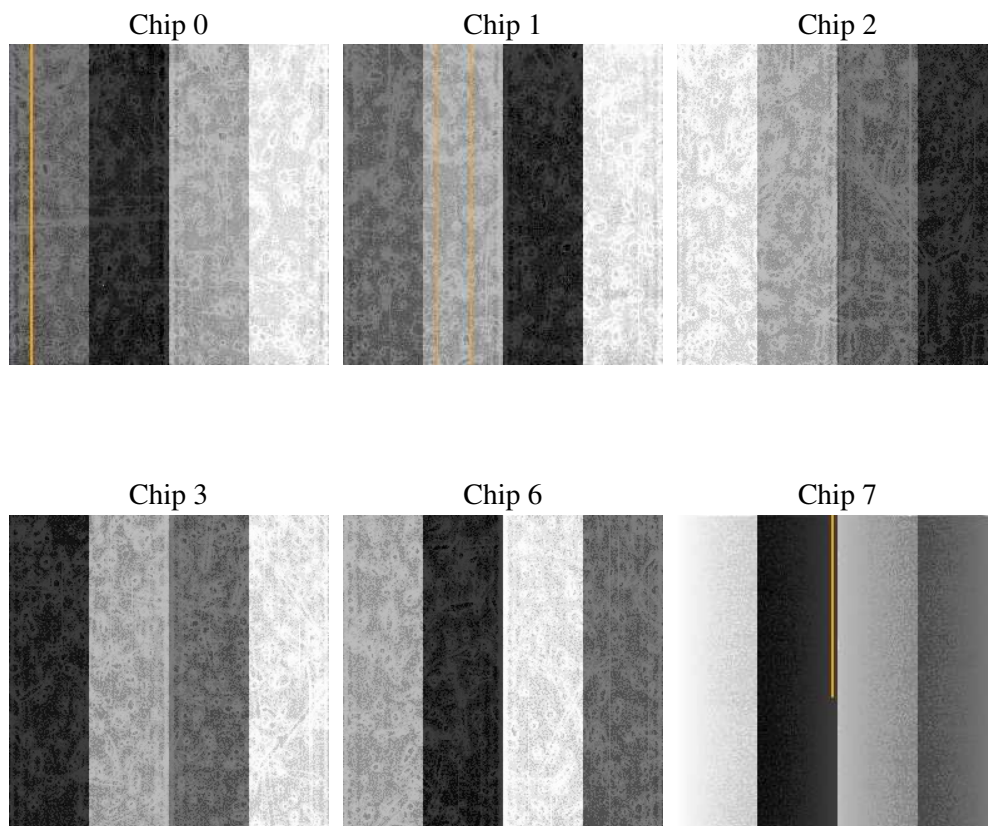
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldsver	3.2.3
date	2006-10-04T14:22:13
revision	2

sched_exp_time	1456.011000
ontime	1555.6803944707
ontime0	1558.9213547111
ontime1	1558.9213547111
ontime2	1555.6803844571
ontime3	1555.6803944707
ontime6	1558.9213547111
ontime7	1558.9213846028
l1events	61824

### 2.1.4 Events

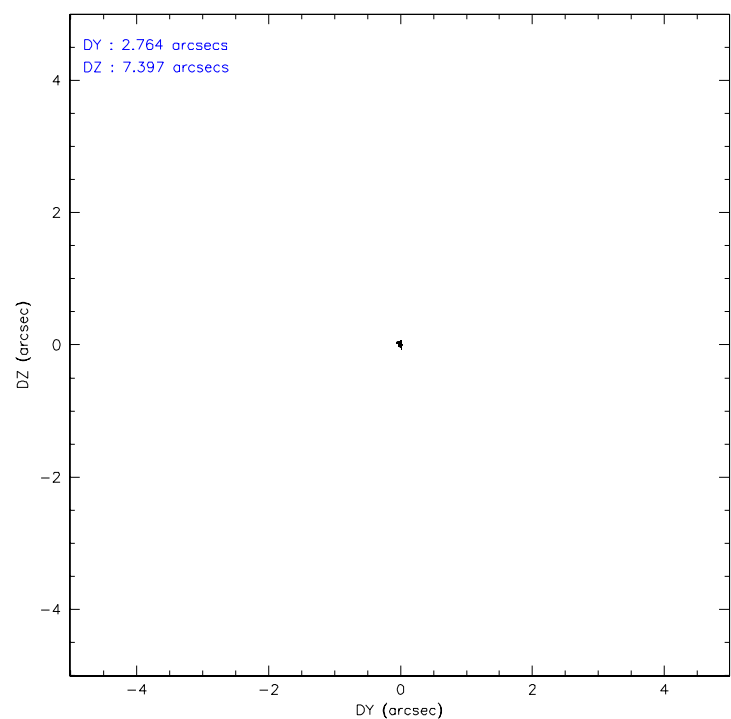
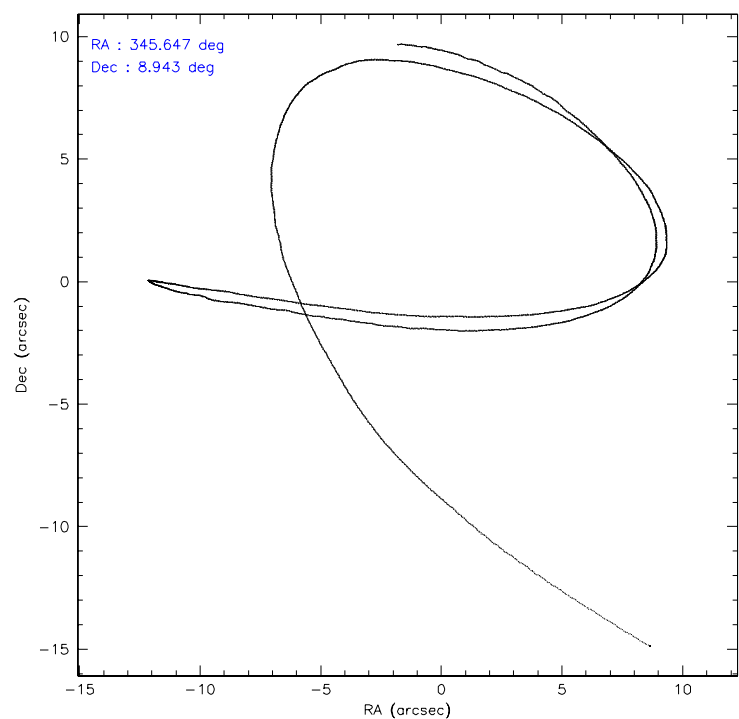
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	8854	8571	10291	9301	10409	14398
rejected events	7592	7206	8981	8010	9057	7991
rejected %	85%	84%	87%	86%	87%	55%

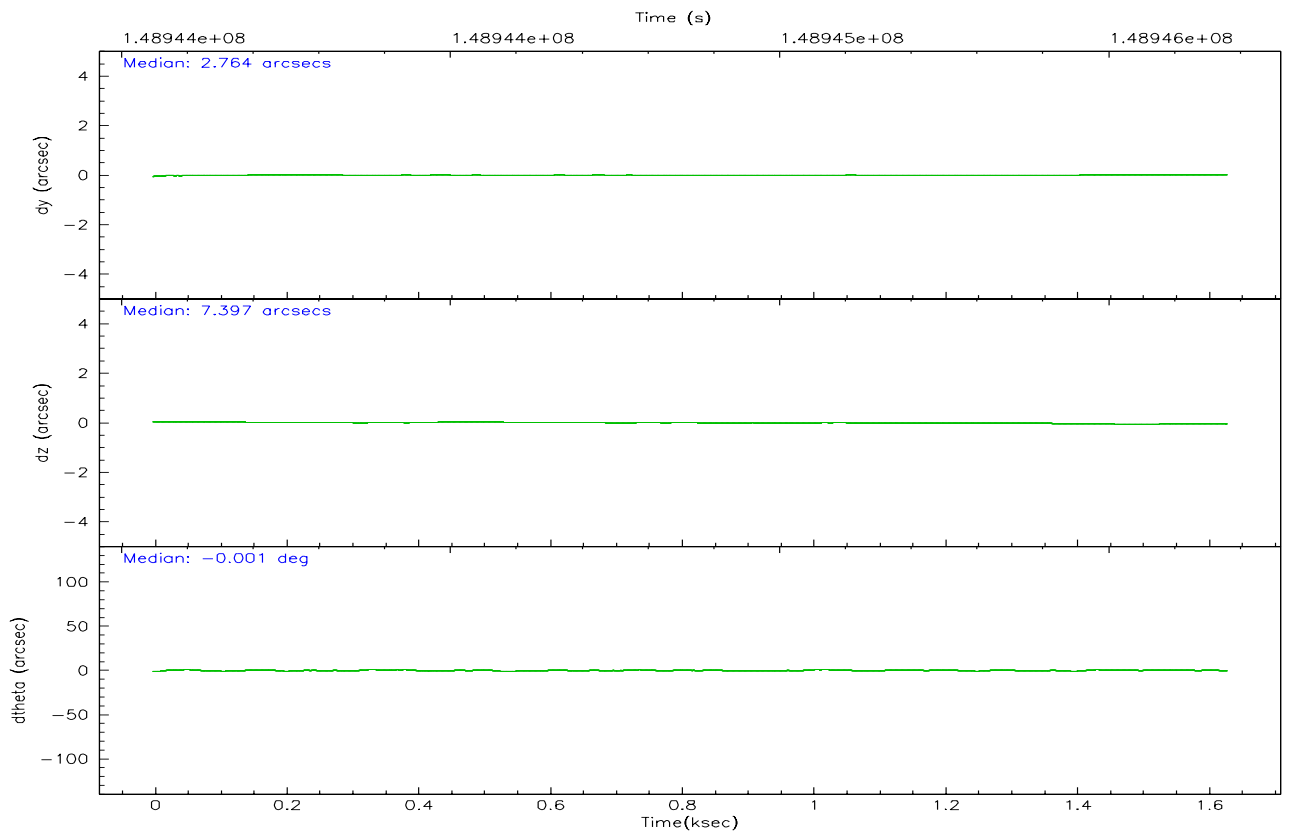
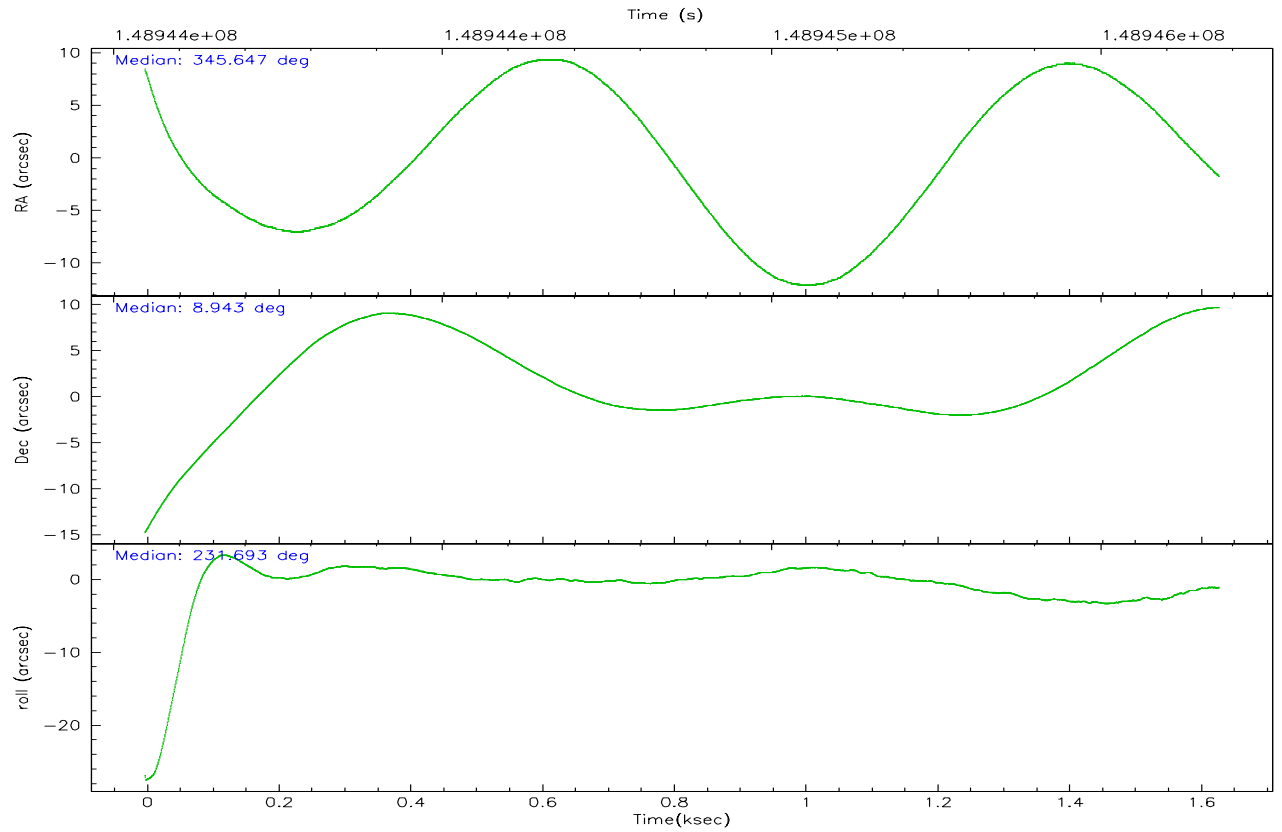
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	561	618	620	634	629	506
	6%	7%	6%	6%	6%	3%
grade 1 events	4	6	3	6	10	11
	0%	0%	0%	0%	0%	0%
grade 2 events	259	276	247	245	280	1532
	2%	3%	2%	2%	2%	10%
grade 3 events	131	115	109	109	109	354
	1%	1%	1%	1%	1%	2%
grade 4 events	101	104	124	118	118	378
	1%	1%	1%	1%	1%	2%
grade 5 events	343	386	398	389	432	857
	3%	4%	3%	4%	4%	5%
grade 6 events	213	255	213	187	219	3648
	2%	2%	2%	2%	2%	25%
grade 7 events	7242	6811	8577	7613	8612	7112
	81%	79%	83%	81%	82%	49%

## 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	345.650610	345.6468928259822	Subarray requested	NONE	NONE
Pointing Dec	8.969881	8.94278021622163	Alternating exposures requested	N	N
Pointing Roll	231.483957	231.6930133764399	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	148944219.184000	148943191.06281			
Observation start date	2002-09-20T21:22:35	2002-09-20T21:06:31			
Observation end time	148945675.184000	148945990.33792			
Observation end date	2002-09-20T21:46:51	2002-09-20T21:53:10			
Read mode	TIMED	TIMED			

## 2.3 Aspect





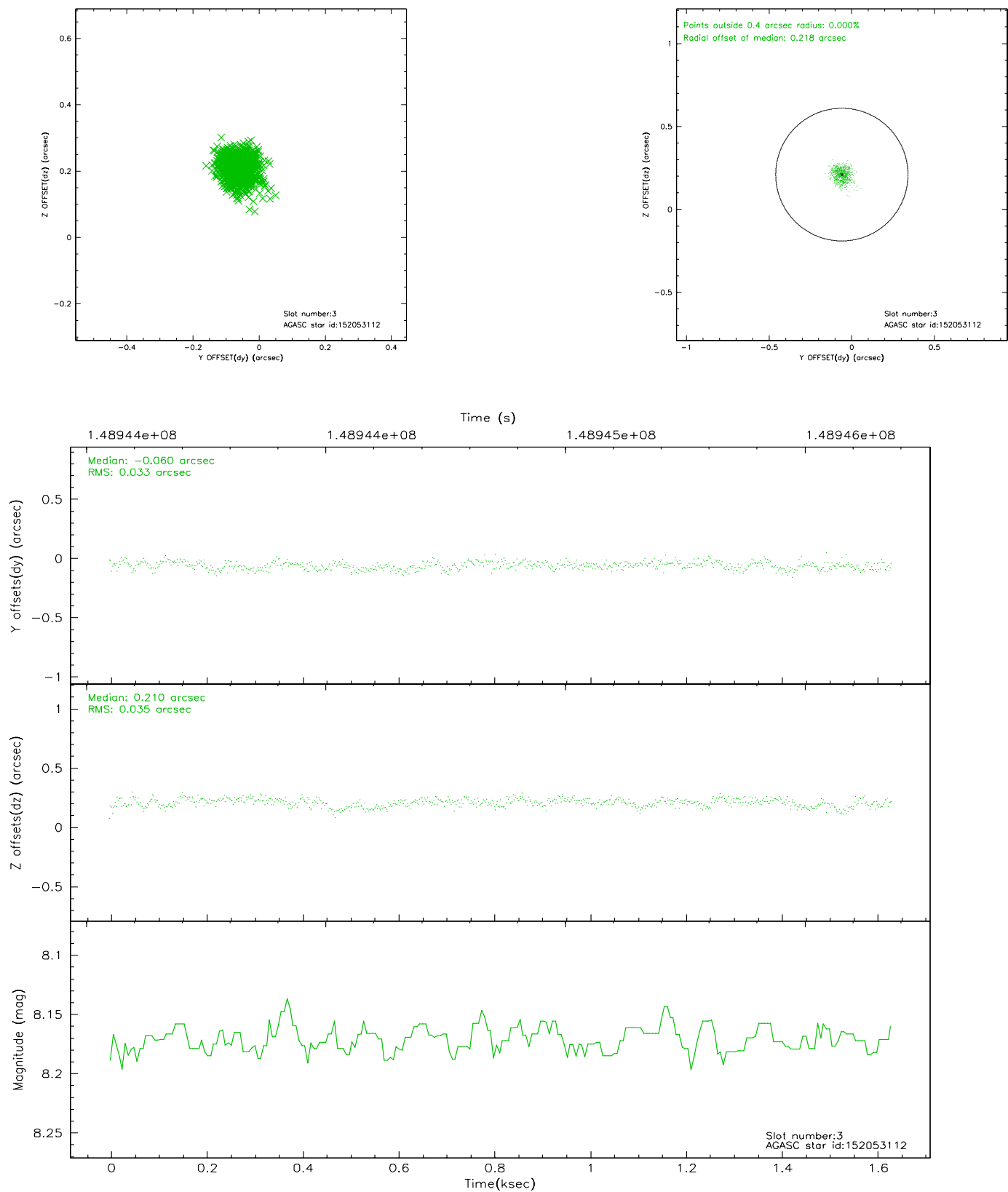
### Slot Statistics

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	398	-0.017	0.053	0.006	0.010	0.000000	0.000000	937.00	-830.76
1	FID	ACIS-I-5	7.24	398	-0.038	0.044	0.005	0.009	0.000000	0.000000	-1808.83	1064.75
2	FID	ACIS-I-6	7.26	398	-0.036	-0.026	0.007	0.010	0.000000	0.000000	398.20	1713.74
3	GUIDE	152053112	8.17	797	-0.060	0.210	0.051	0.078	345.154715	8.750450	1716.50	-887.96
4	GUIDE	152048440	8.52	797	-0.039	0.039	0.063	0.106	346.200519	9.070077	-1498.09	1304.20
5	GUIDE	152050776	9.14	797	-0.009	-0.006	0.068	0.124	346.189473	9.345260	-2251.80	658.09
6	GUIDE	152052088	8.99	797	0.019	-0.117	0.068	0.109	345.509667	8.677615	1133.32	264.63
7	GUIDE	152051576	8.87	796	0.095	-0.121	0.060	0.098	345.475827	8.657019	1270.69	215.96

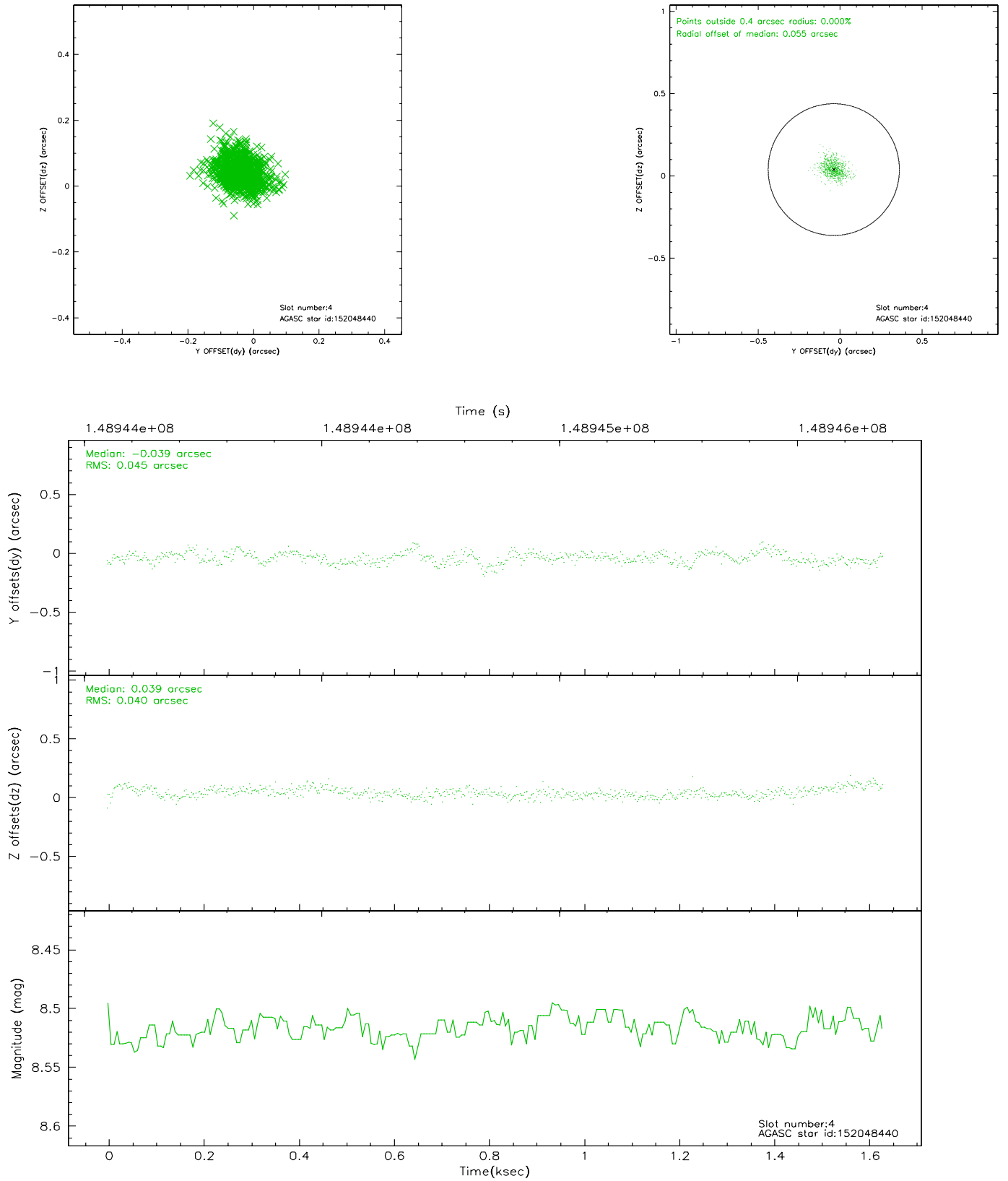


## 2.4 Star Slots

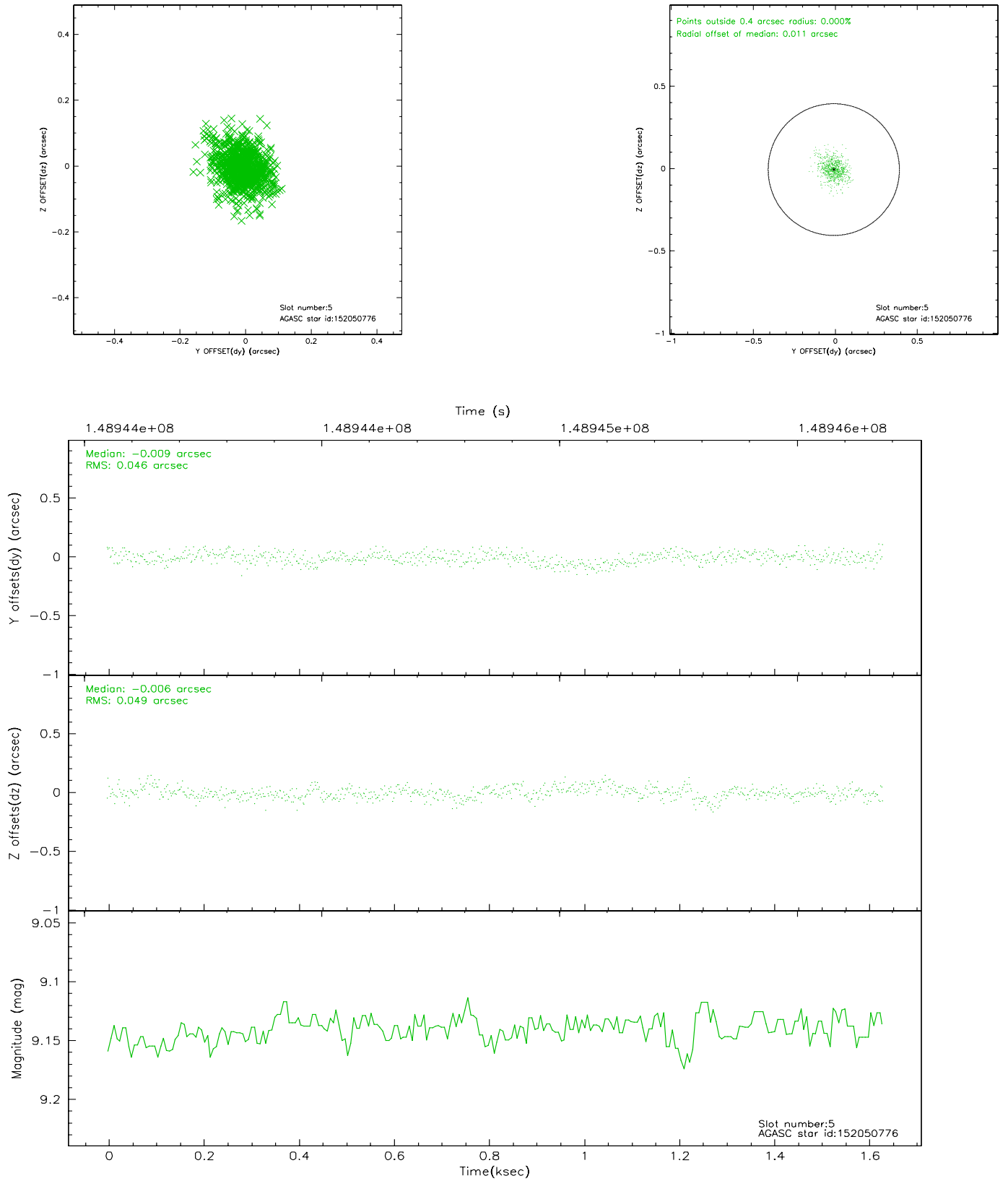
### 2.4.1 Slot 3



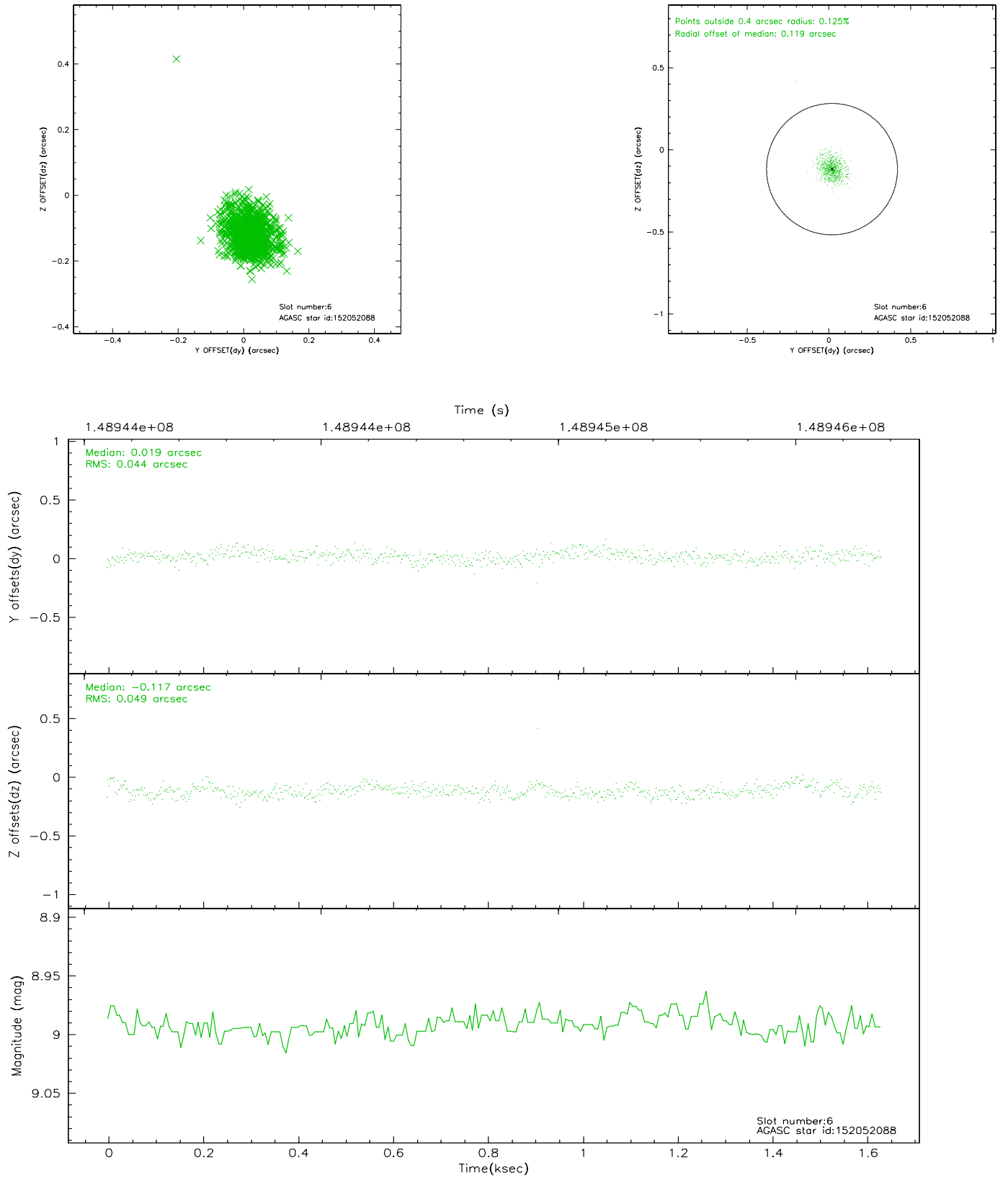
## 2.4.2 Slot 4



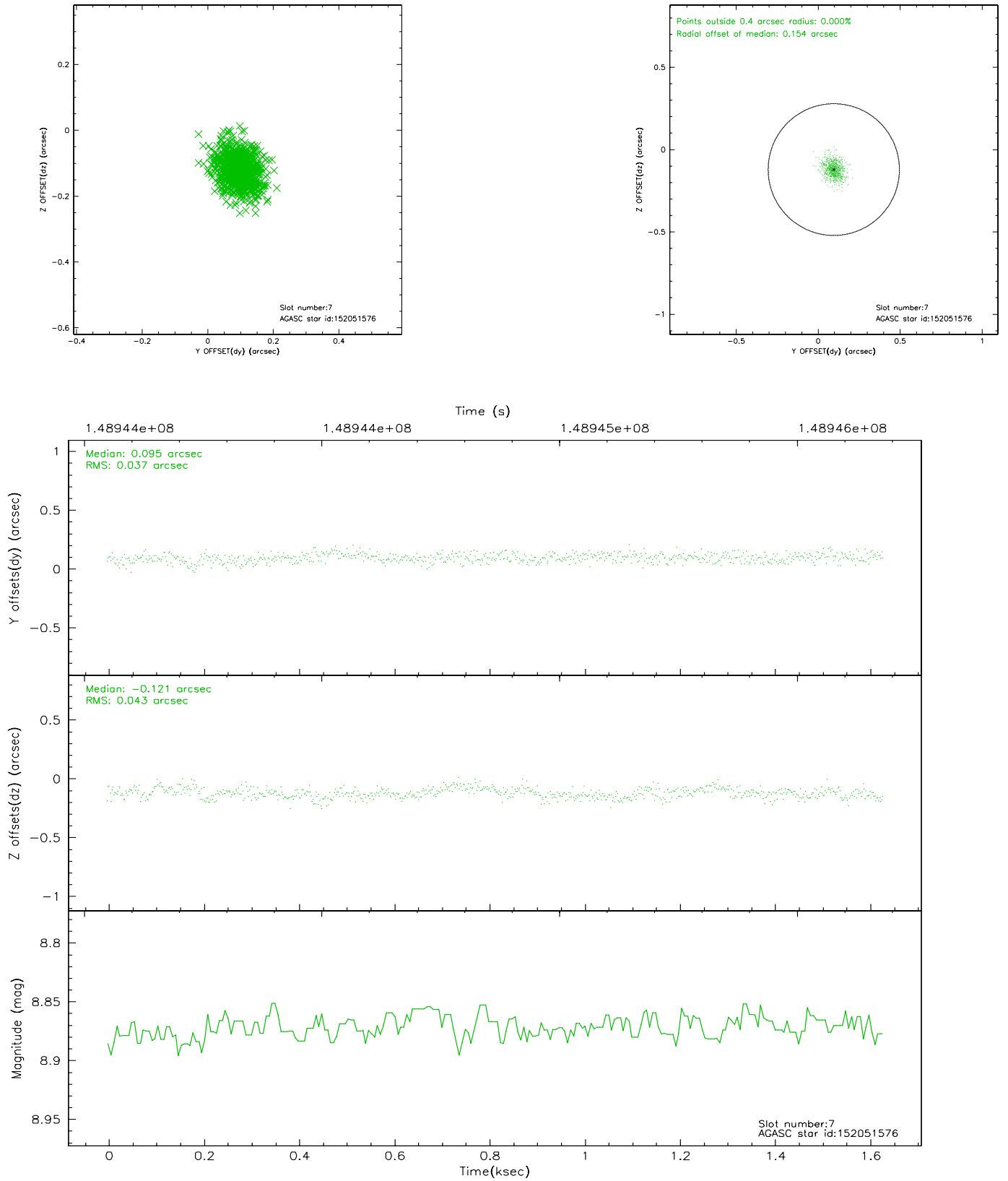
### 2.4.3 Slot 5



## 2.4.4 Slot 6

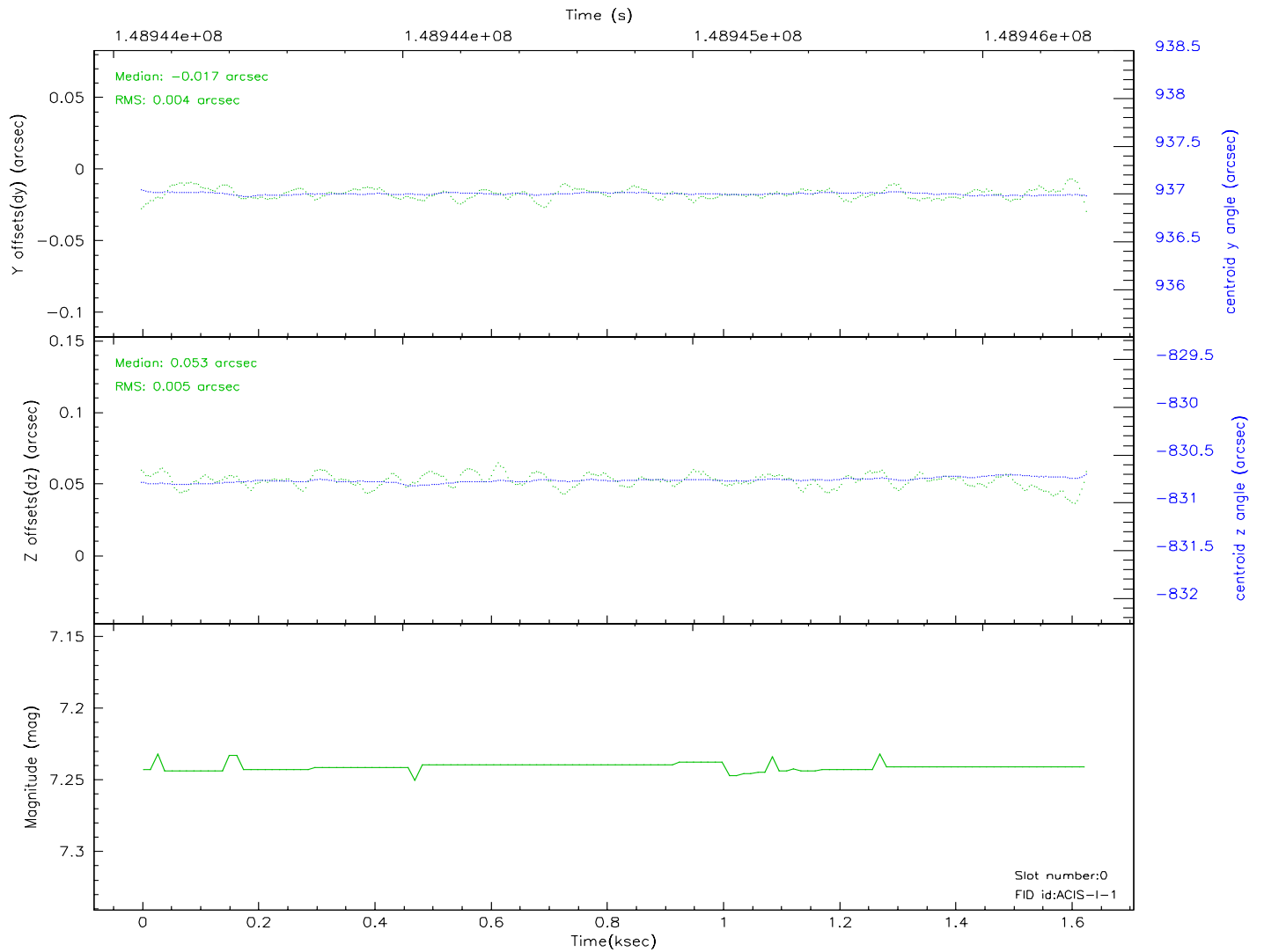
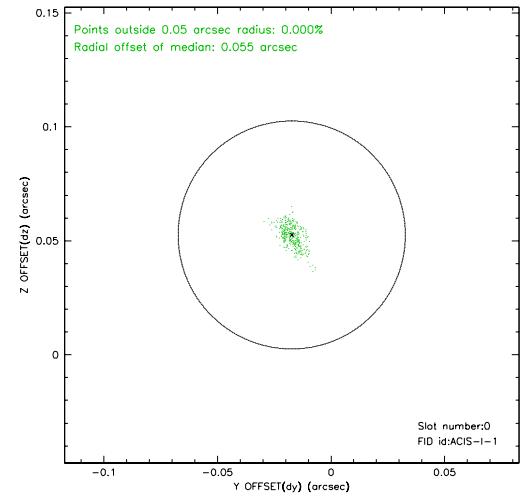
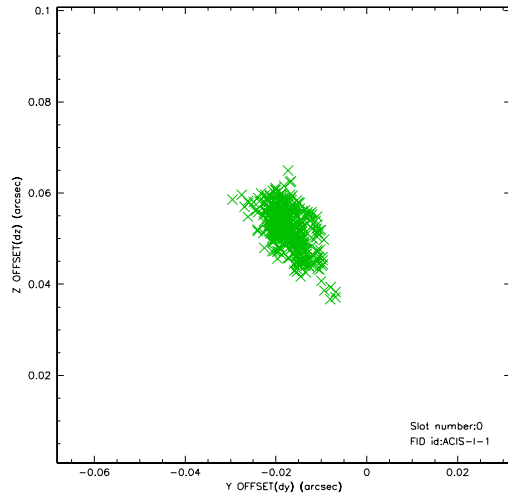


## 2.4.5 Slot 7

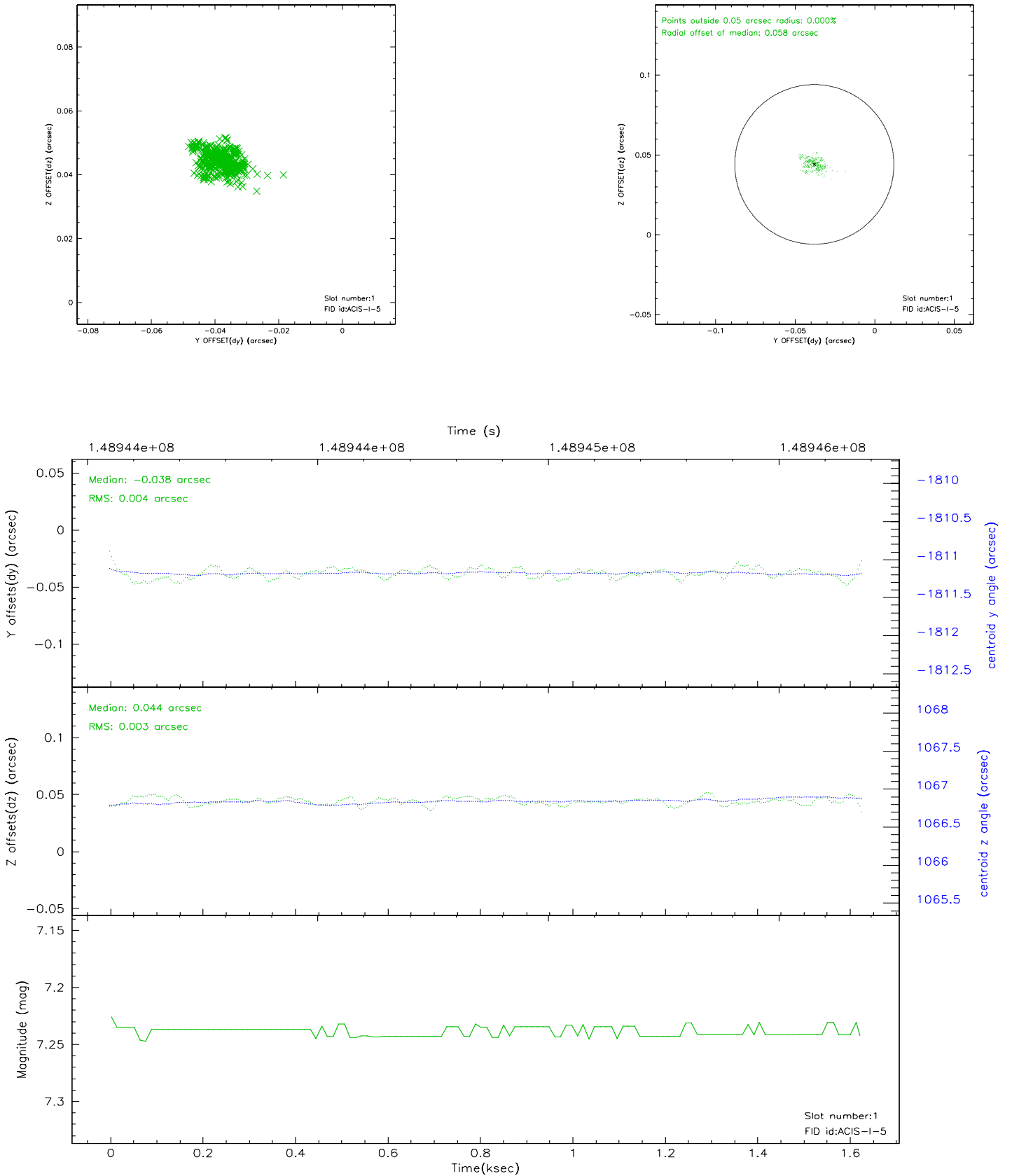


## 2.5 FID Slots

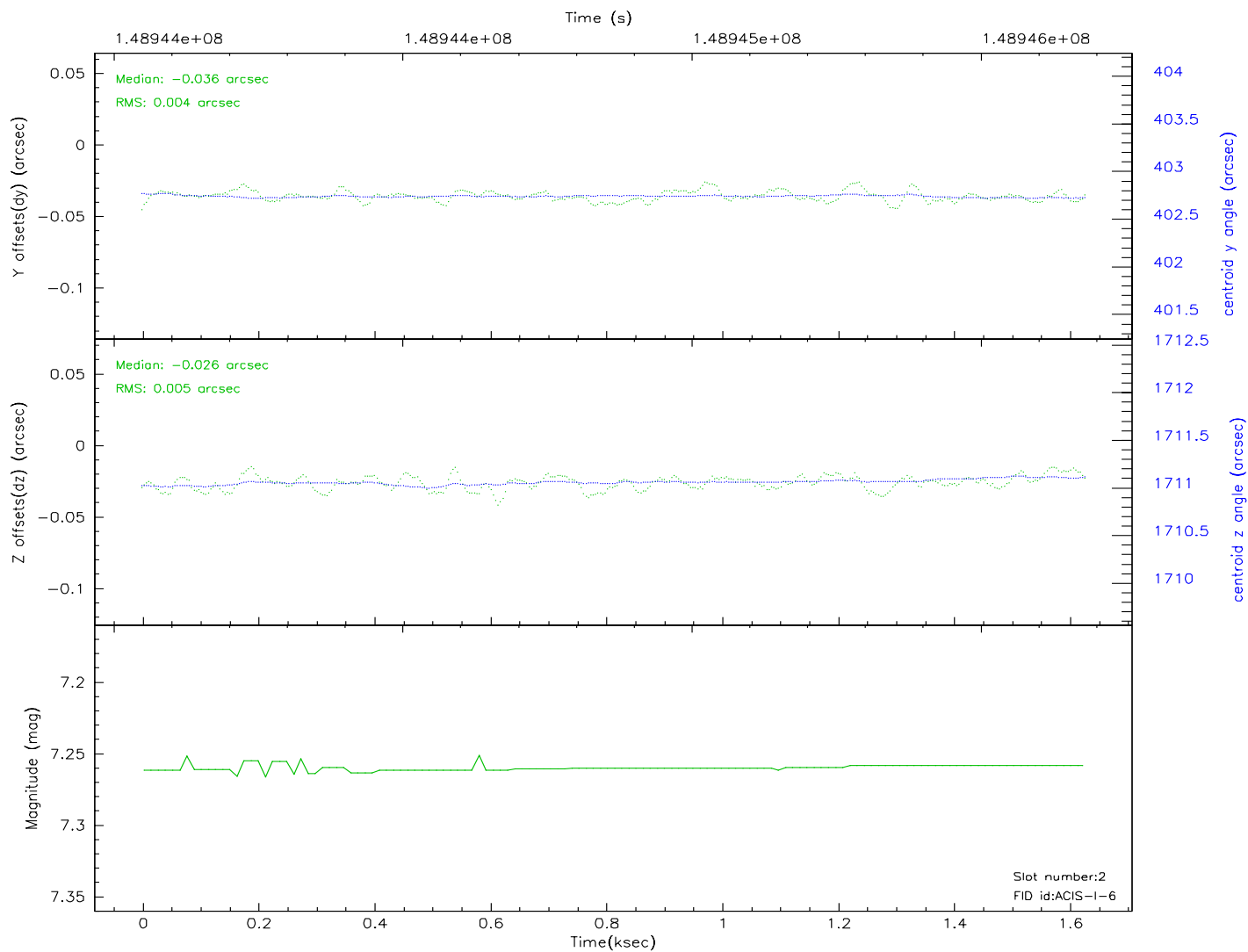
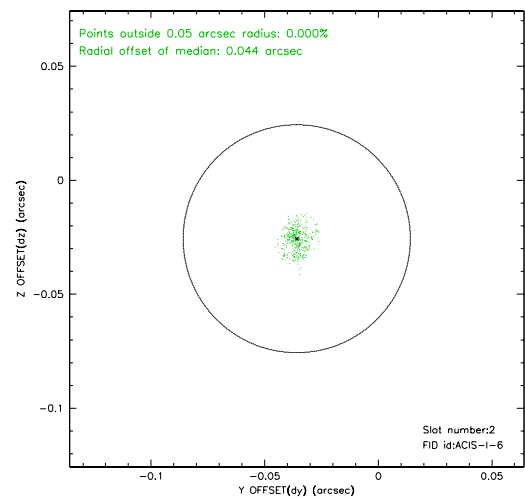
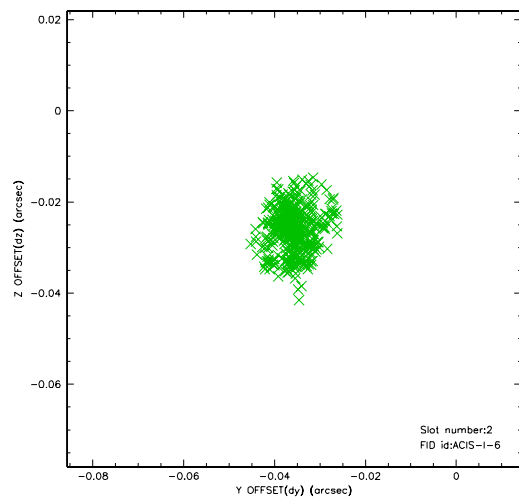
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2





### 3 Point Sources

9.67 arcmin



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.10.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.551

### A.2 Comments