

# V&V Reference Report

## L2 ASCDS Version : 7.6.8.1

Observation 3441 - L2 Version 001  
Chandra X-Ray Center

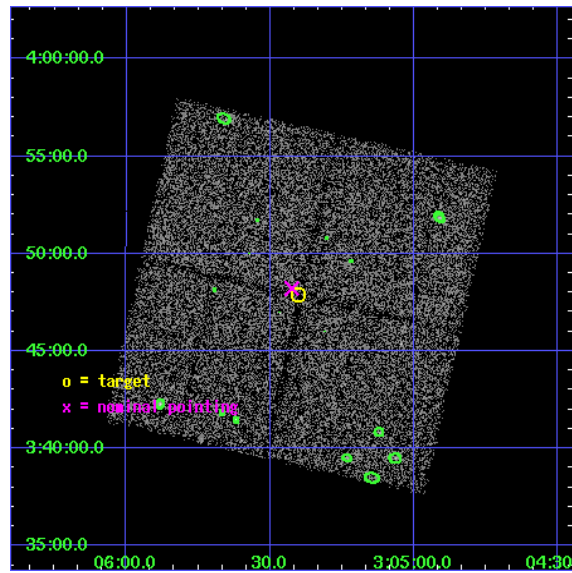
L2 Processing Date : Sep 2 2006

## 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

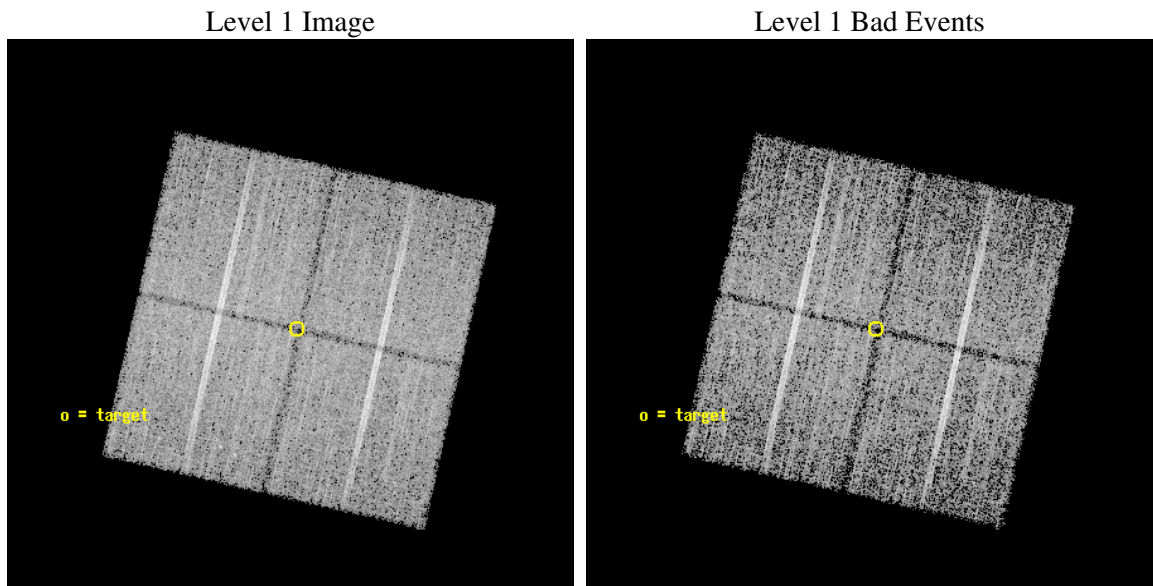
seq_num	500291
obs_id	3441
title	LOCALIZATION OF OPTICALLY-DARK GAMMA-RAY BURSTS BY CHANDRA
observer	Dr. george Ricker
object	XRF011130
dtcycle	0
cycle	P
ra_targ	46.350542
dec_targ	3.798333
ra_nom	46.355961179018
dec_nom	3.8035078771823
roll_nom	282.77409017132
revision	2
ontime	14672.299971789
livetime	14480.595571068
ontime0	14666.018051296
ontime1	14672.299971789
ontime2	14669.159011543
ontime3	14672.299971789
l2events	41400



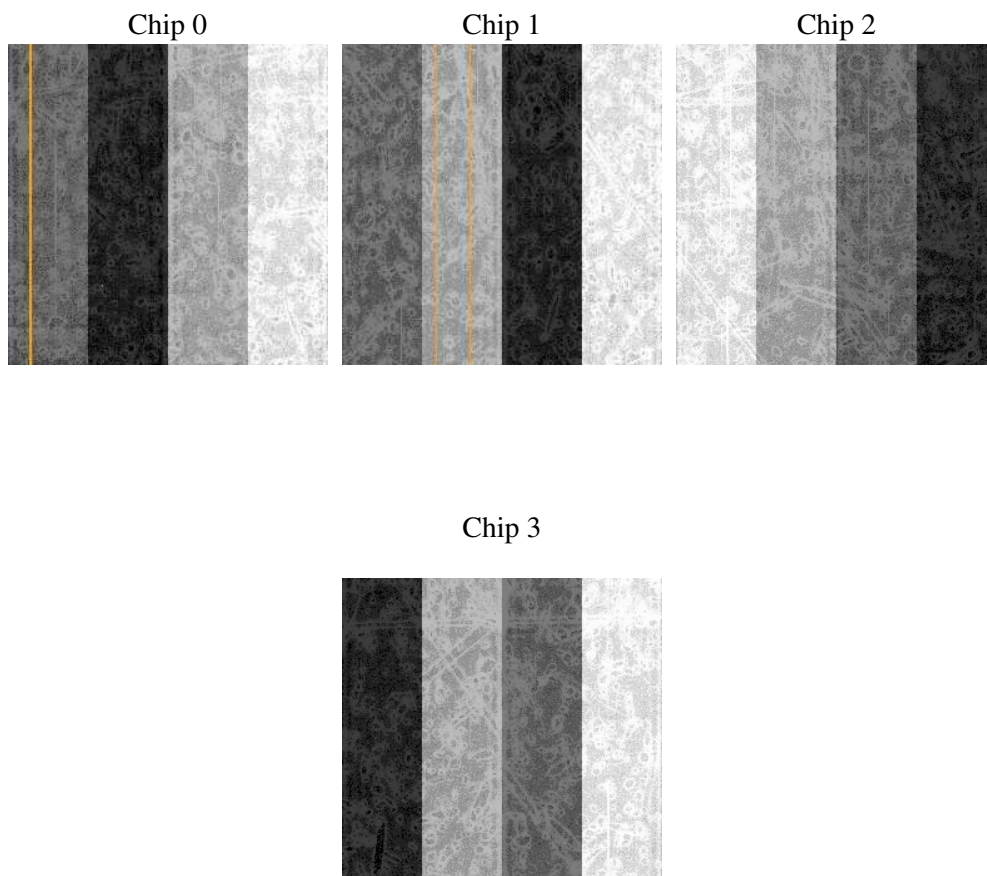
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.8.1
caldsver	3.2.3
date	2006-09-02T13:38:46
revision	2

sched_exp_time	14600.000000
ontime	14677.894643039
ontime0	14671.612722546
ontime1	14677.894643039
ontime2	14674.753682792
ontime3	14677.894643039
l1events	388429

### 2.1.4 Events

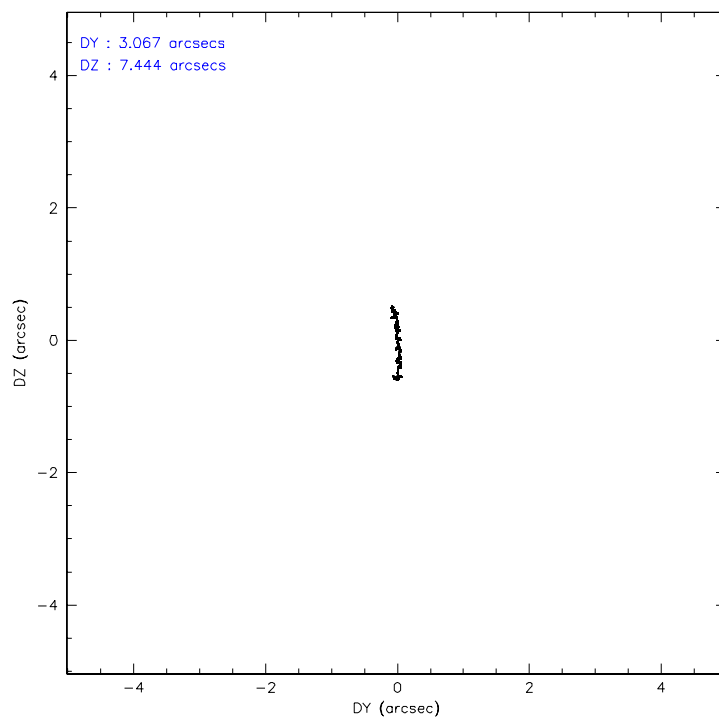
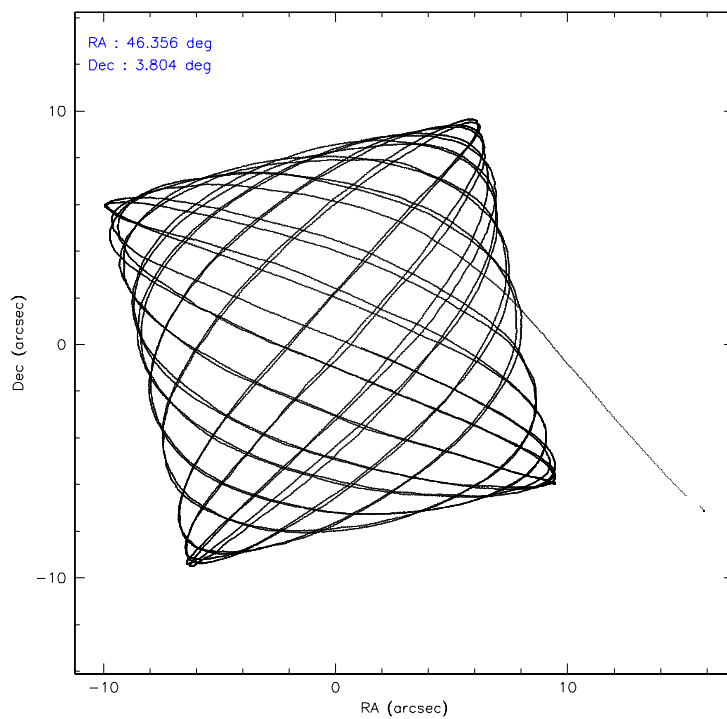
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	92673	92950	102570	100236
rejected events	80336	80398	90371	88592
rejected %	86%	86%	88%	88%

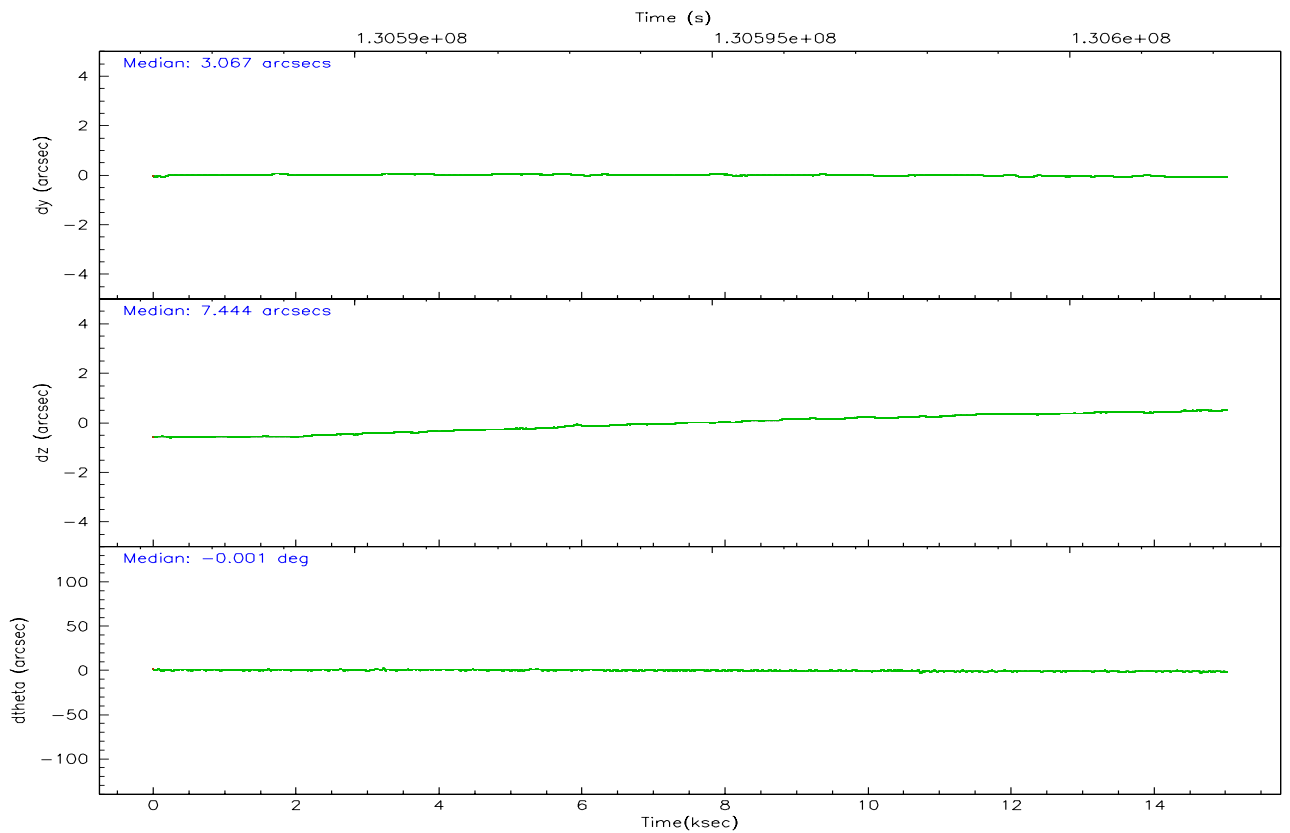
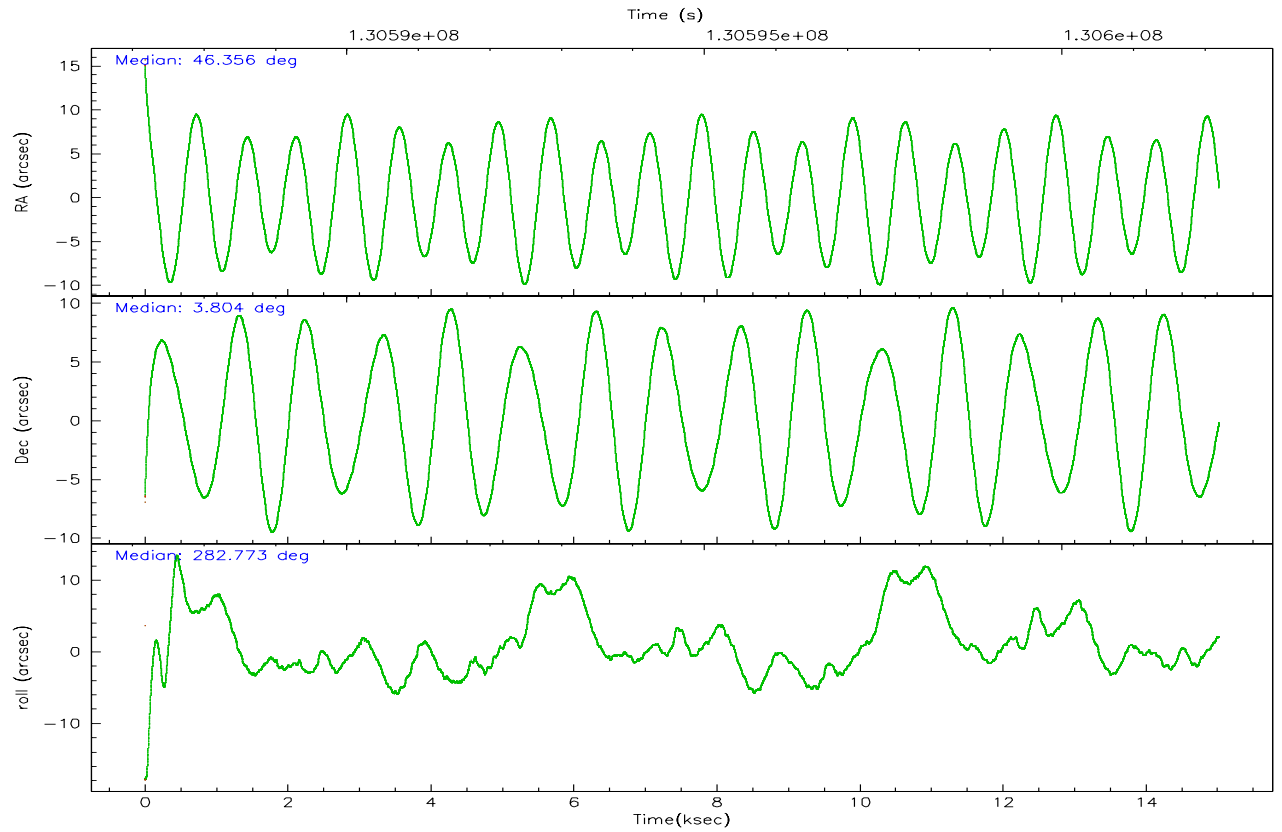
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	5160	5148	5314	4914
	5%	5%	5%	4%
grade 1 events	40	44	44	56
	0%	0%	0%	0%
grade 2 events	2765	2617	2694	2365
	2%	2%	2%	2%
grade 3 events	1165	1243	1069	1142
	1%	1%	1%	1%
grade 4 events	1075	1269	1068	1072
	1%	1%	1%	1%
grade 5 events	3664	3897	3478	4021
	3%	4%	3%	4%
grade 6 events	2174	2277	2056	2152
	2%	2%	2%	2%
grade 7 events	76630	76455	86847	84514
	82%	82%	84%	84%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-0123	ACIS-0123	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	46.337235	46.35596117901812	Alternating exposures requested	N	N
Pointing Dec	3.823580	3.803507877182271	Primary exposure time	0.000000	3.1
Pointing Roll	282.566662	282.774090171325			
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	130587599.184000	130586519.12481			
Observation start date	2002-02-20T10:18:55	2002-02-20T10:01:59			
Observation end time	130602199.184000	130602606.50046			
Observation end date	2002-02-20T14:22:15	2002-02-20T14:30:06			
Read mode	TIMED	TIMED			

## 2.3 Aspect





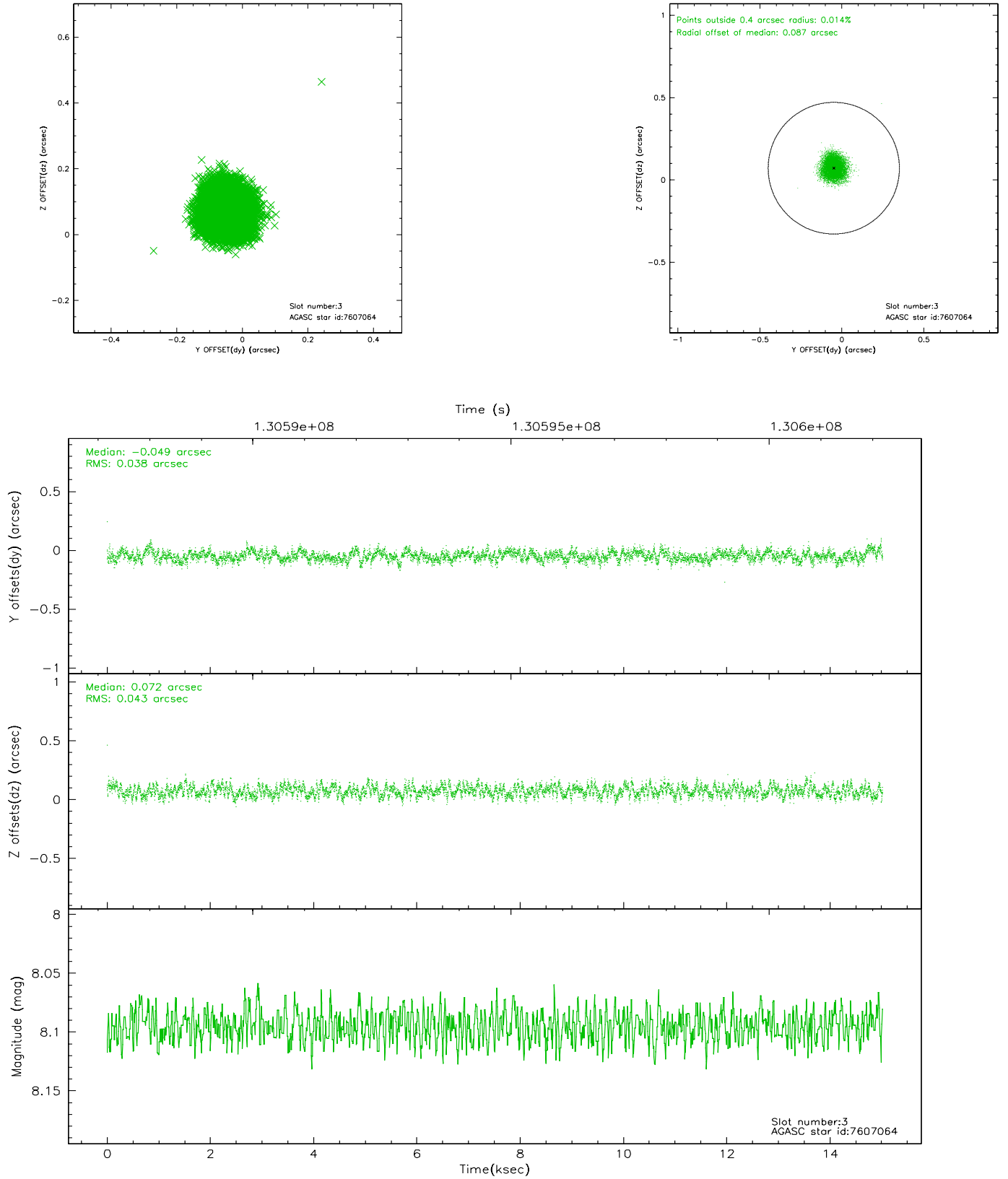
### Slot Statistics

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	3664	-0.020	0.057	0.018	0.028	0.000000	0.000000	936.69	-830.77
1	FID	ACIS-I-5	7.24	3664	-0.030	0.044	0.008	0.014	0.000000	0.000000	-1811.22	1066.60
2	FID	ACIS-I-6	7.26	3665	-0.040	-0.031	0.014	0.022	0.000000	0.000000	401.94	1711.33
3	GUIDE	7607064	8.10	7328	-0.049	0.072	0.062	0.096	46.593930	3.810123	248.06	889.16
4	GUIDE	7603264	8.35	7328	0.133	0.125	0.054	0.089	46.951152	3.412010	1925.98	1831.10
5	GUIDE	7609528	8.36	7330	0.092	-0.048	0.053	0.085	46.606589	3.264522	2175.68	506.90
6	GUIDE	7608464	9.14	7297	-0.208	-0.047	0.084	0.138	46.255189	4.465600	-2319.54	215.09
7	GUIDE	7608536	9.41	7324	0.033	-0.101	0.089	0.146	46.097165	3.496897	960.19	-1098.27

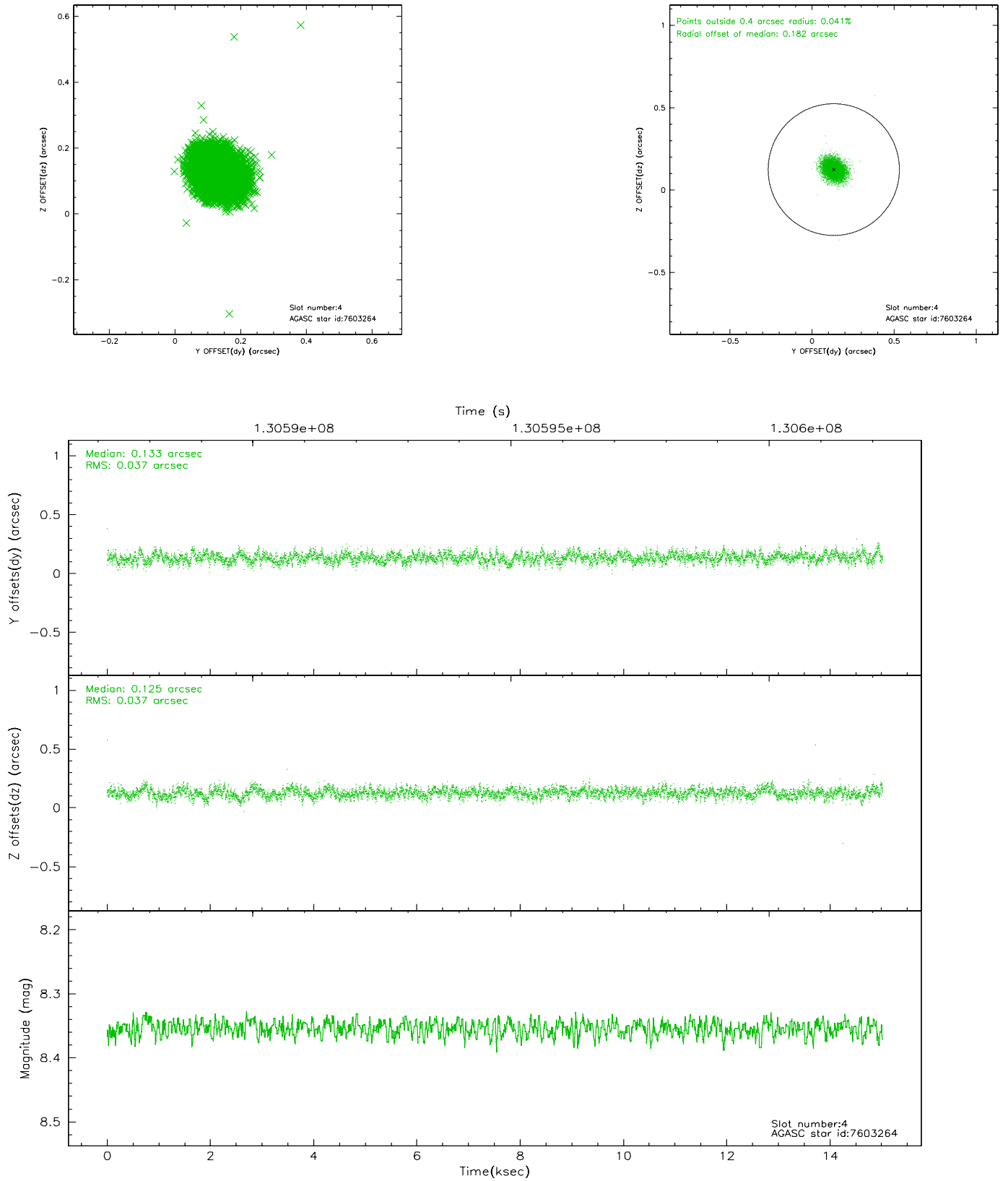


## 2.4 Star Slots

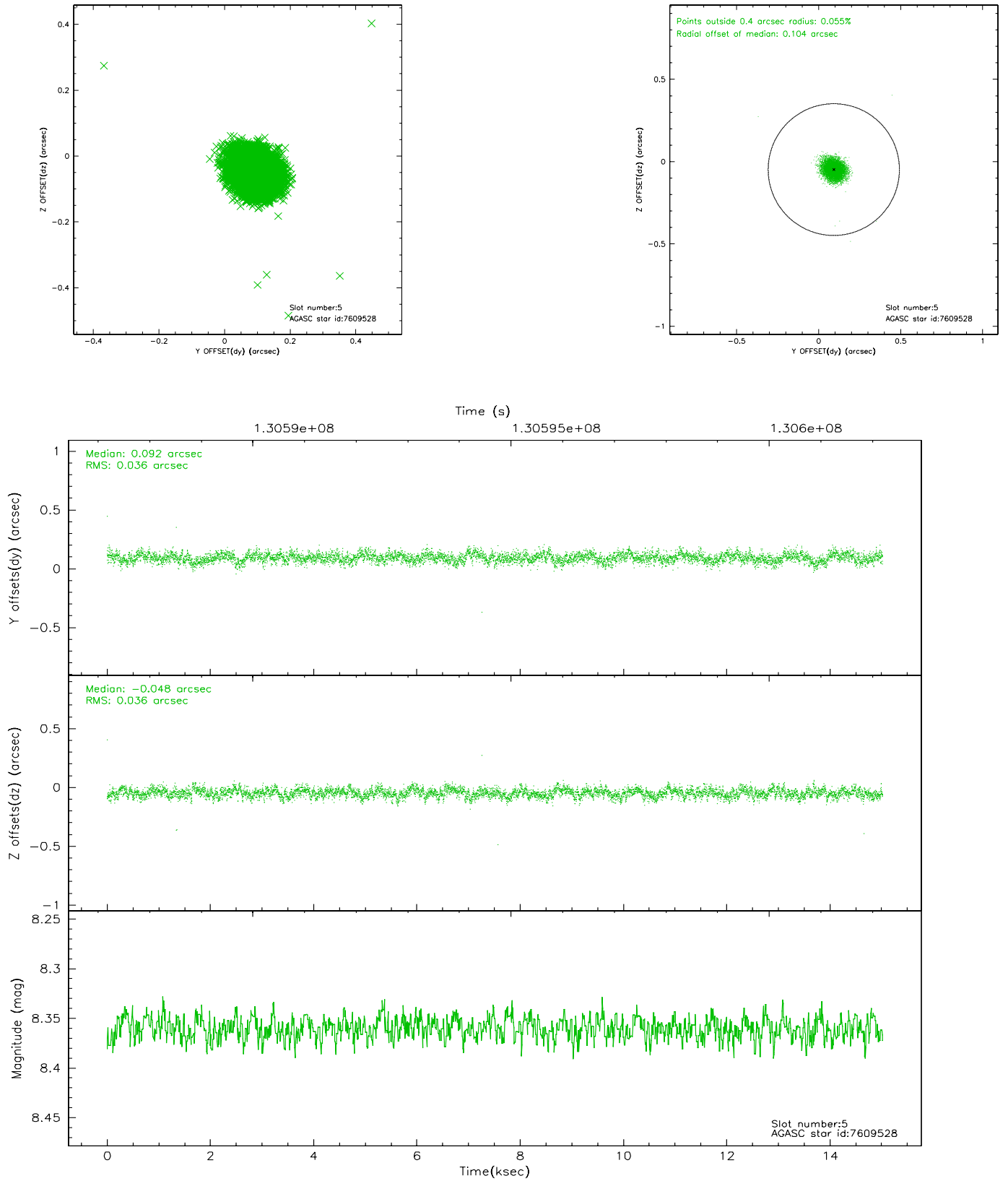
### 2.4.1 Slot 3



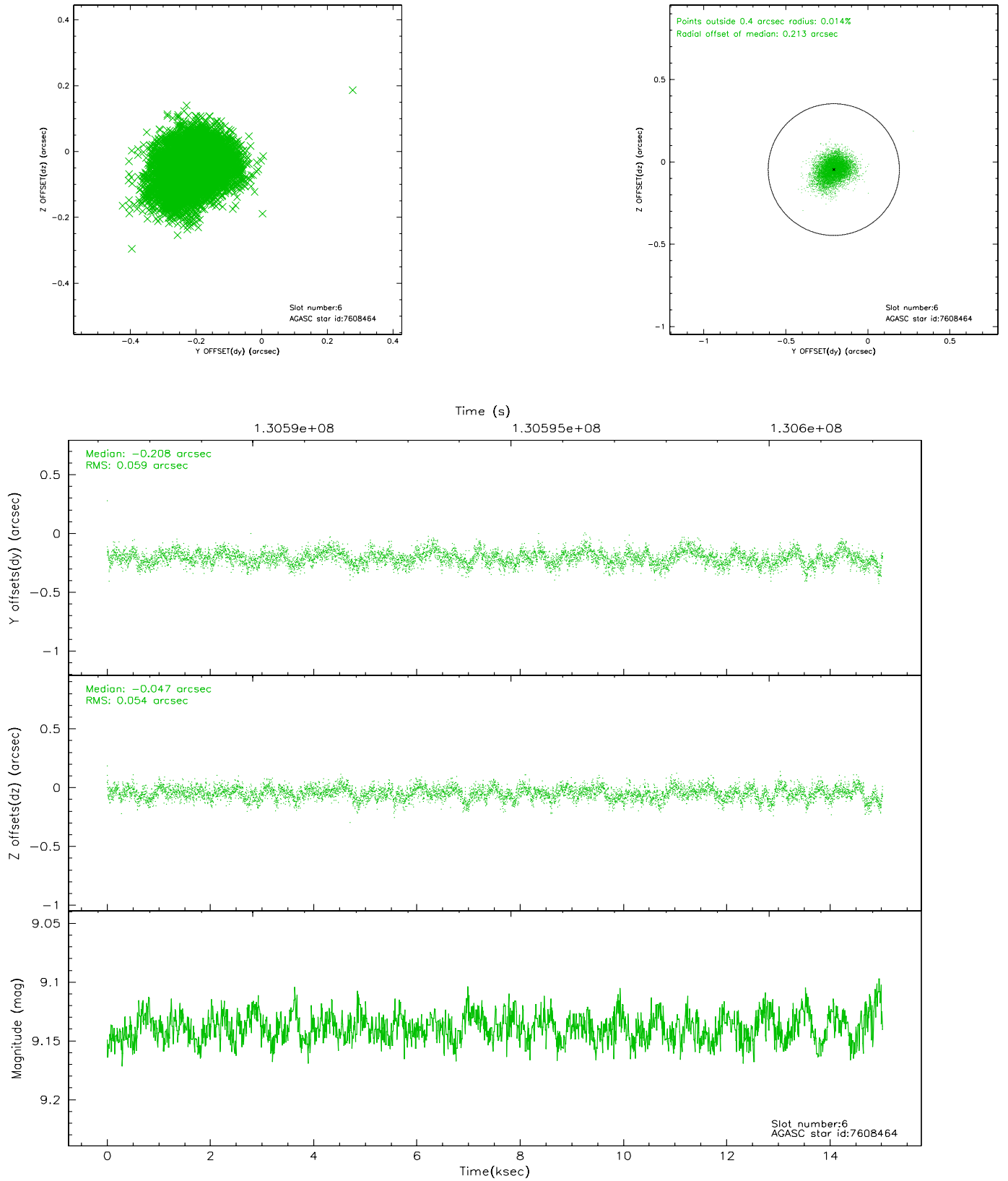
## 2.4.2 Slot 4



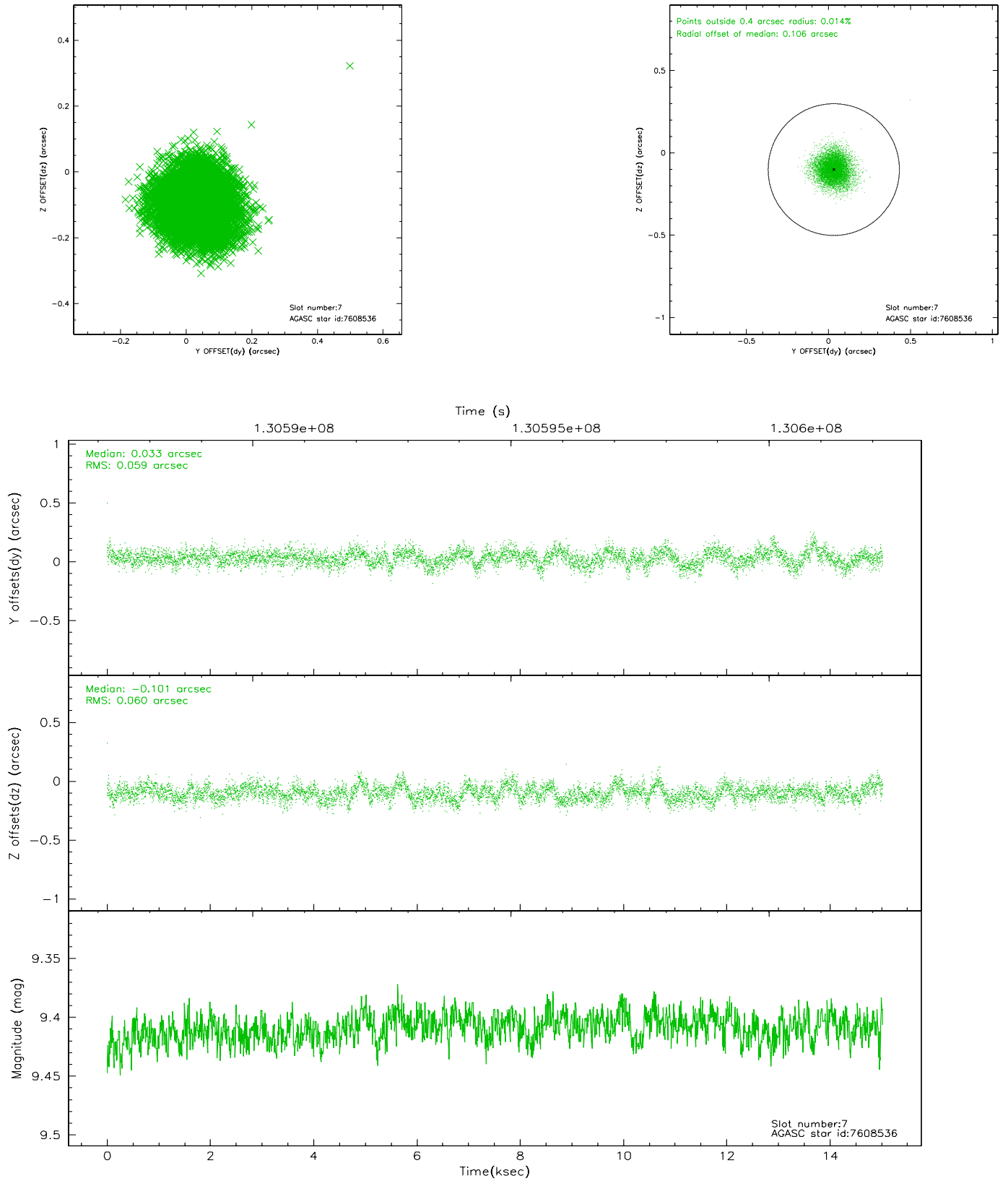
### 2.4.3 Slot 5



## 2.4.4 Slot 6

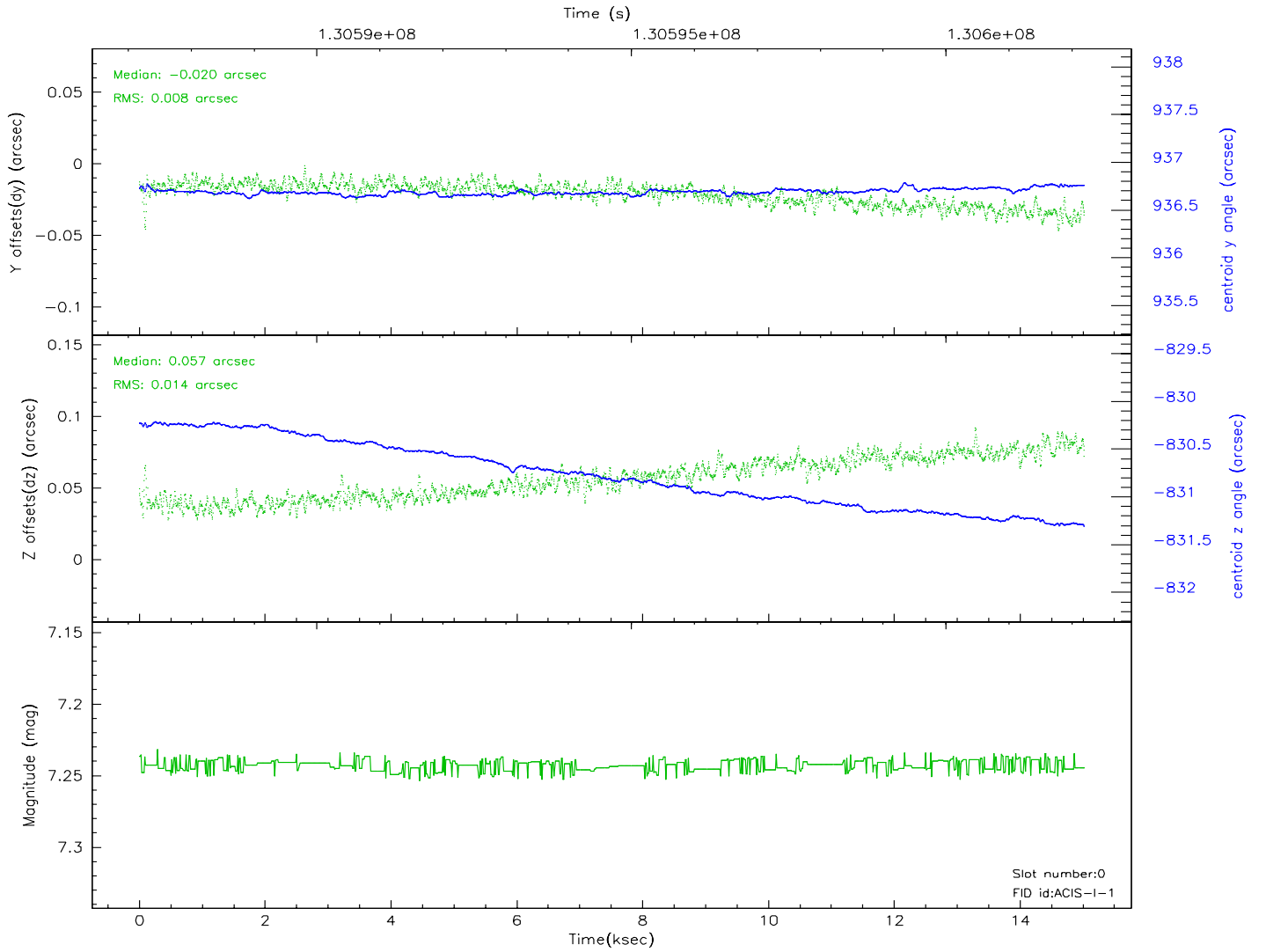
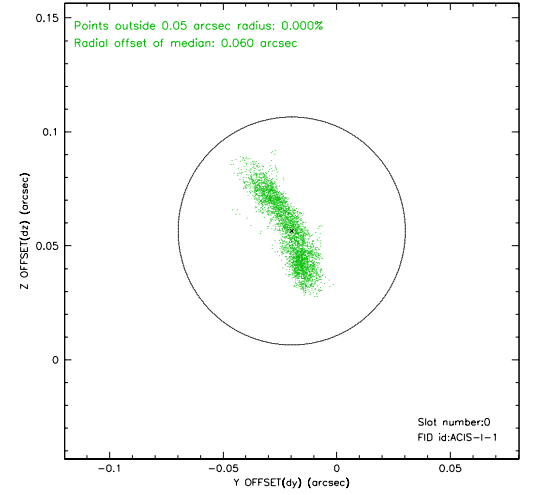
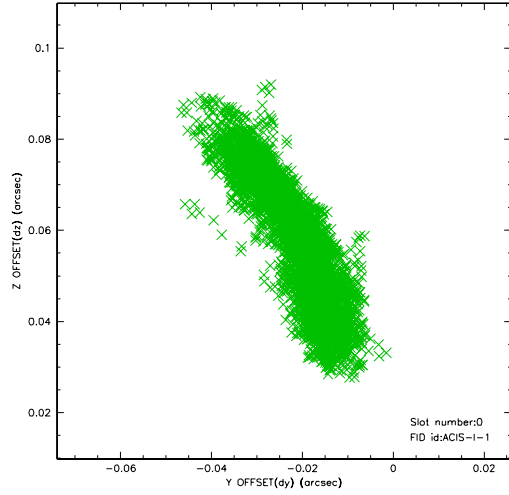


## 2.4.5 Slot 7

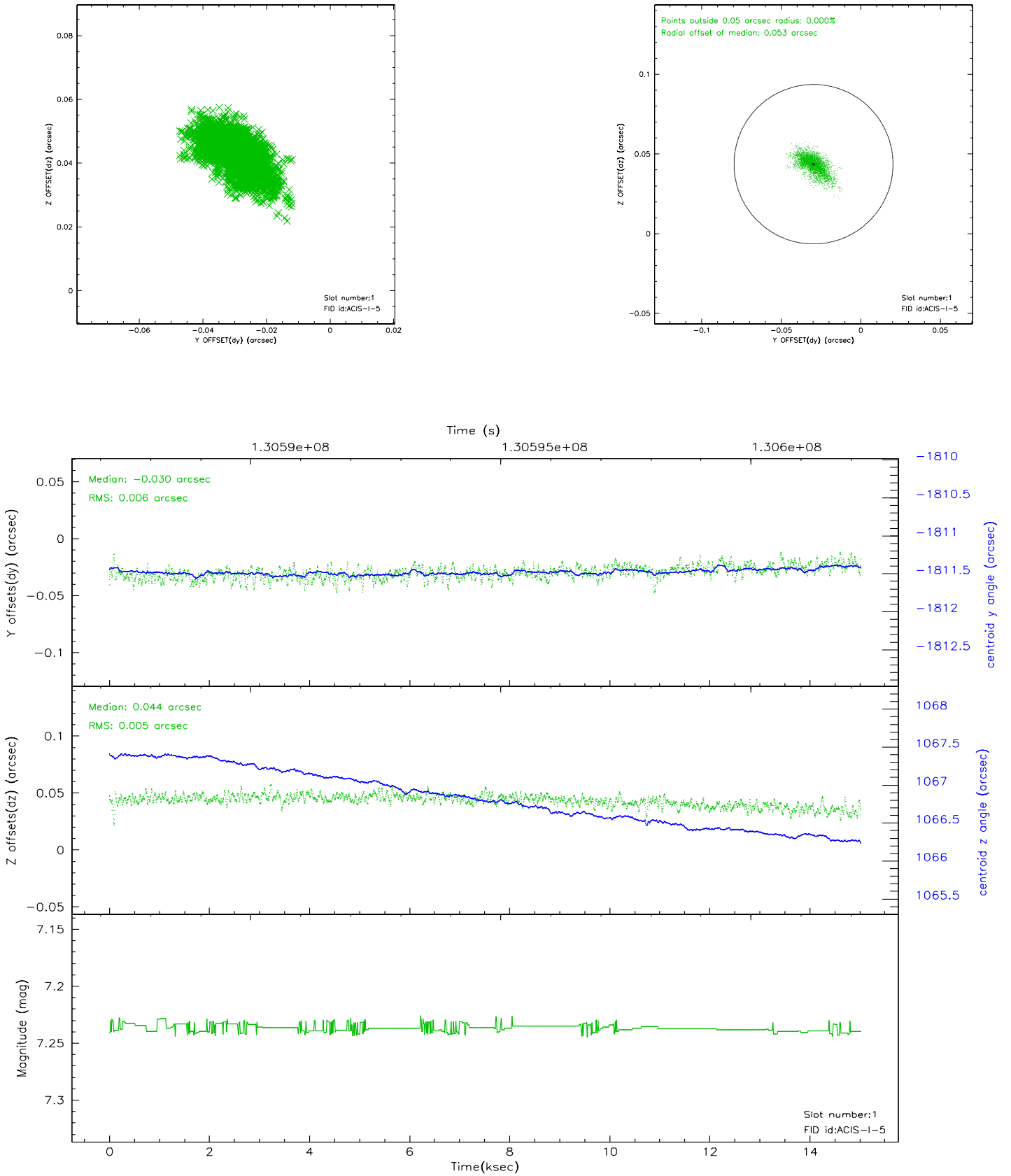


## 2.5 FID Slots

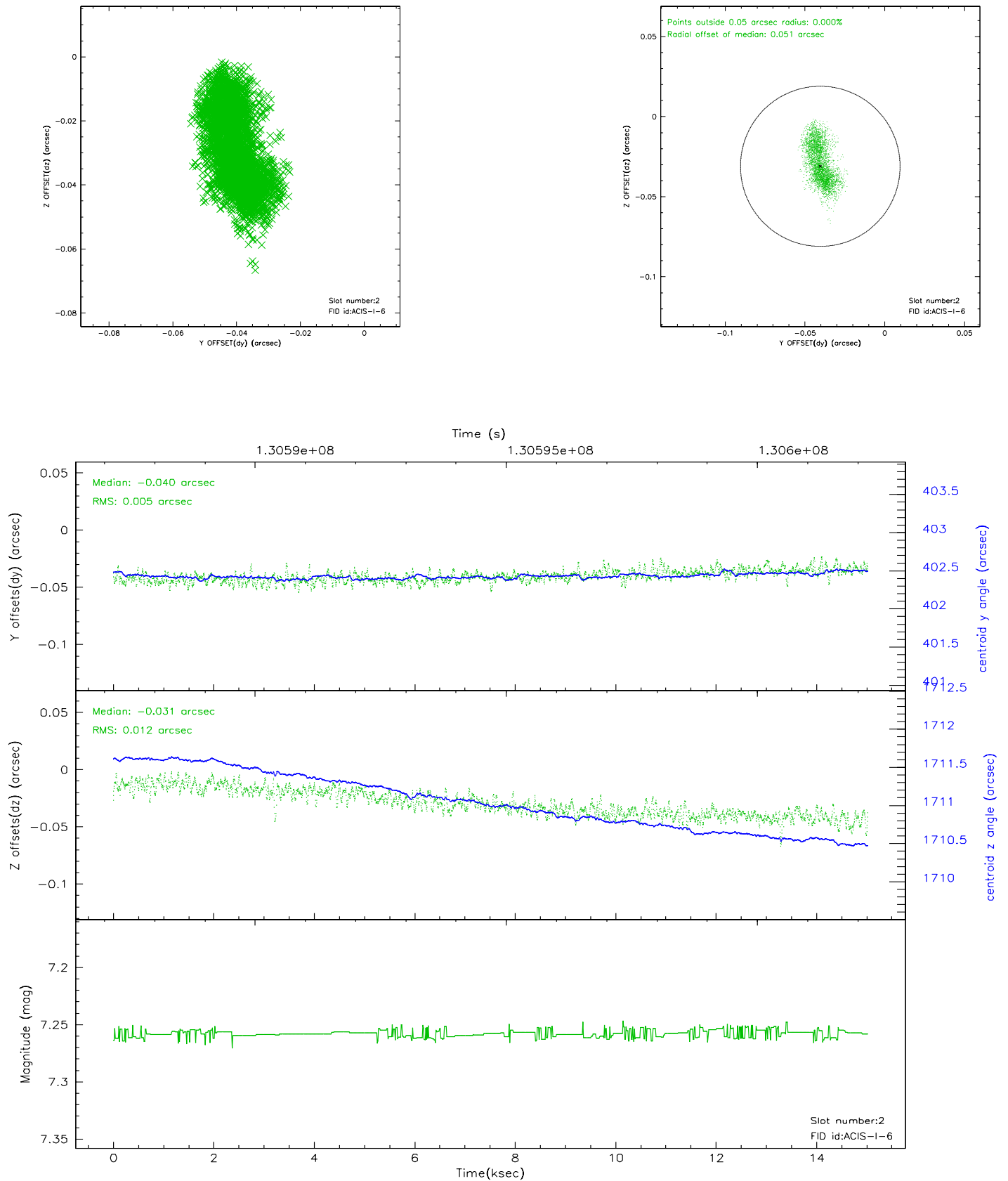
### 2.5.1 Slot 0



## 2.5.2 Slot 1

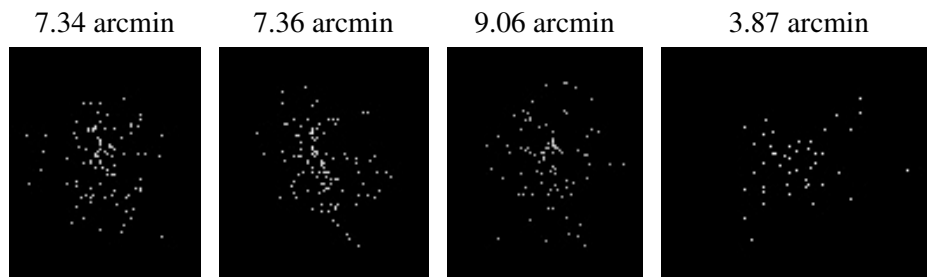


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.09.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	14.672

### A.2 Comments

The source was requested to be placed in the center of the gap between the four chips.