

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 2159 - L2 Version 001  
Chandra X-Ray Center

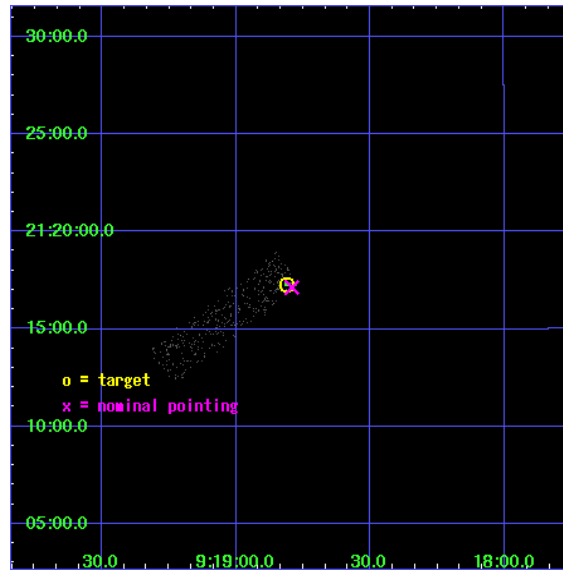
L2 Processing Date : Nov 8 2006

## 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

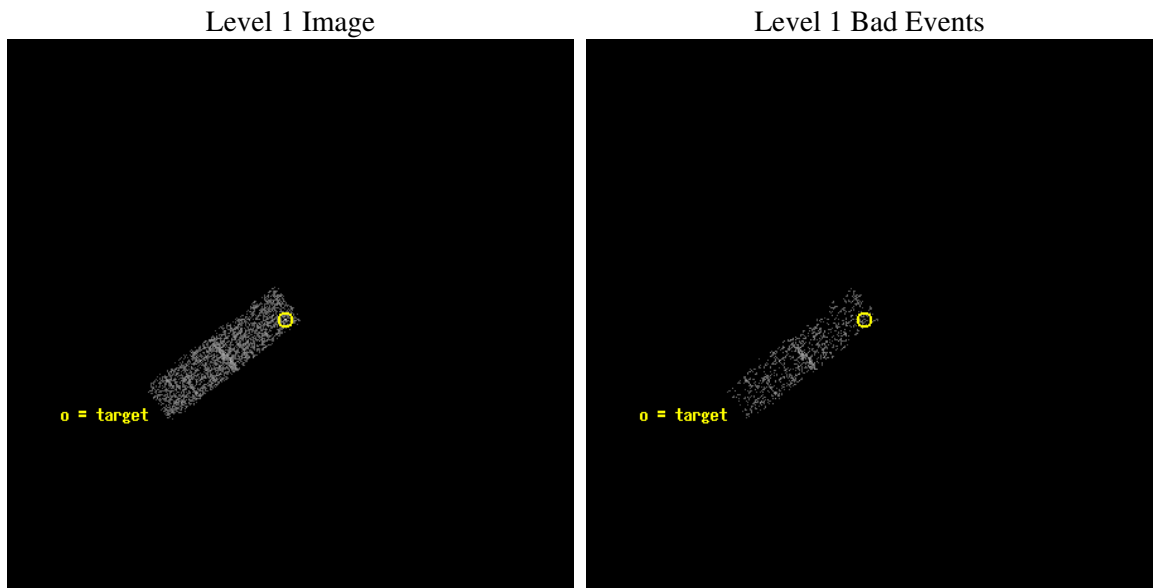
seq_num	700349
obs_id	2159
title	RED QUASARS AND THE X-RAY BACKGROUND
observer	Dr. BELINDA WILKES
object	2MASSJ091848+2117
dtcycle	0
cycle	P
ra_targ	139.7025
dec_targ	21.288083
ra_nom	139.69798785417
dec_nom	21.285628797341
roll_nom	232.71039342496
revision	2
ontime	2163.1589818448
liveltime	2057.6039016882
ontime3	2163.1589818448
l2events	530



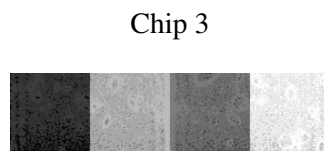
## 2 OBI

### 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	2006-11-08T20:42:56
revision	2

sched_exp_time	2000.000000
ontime	3266.5567958355
ontime3	3266.5567958355
l1events	7180

### 2.1.4 Events

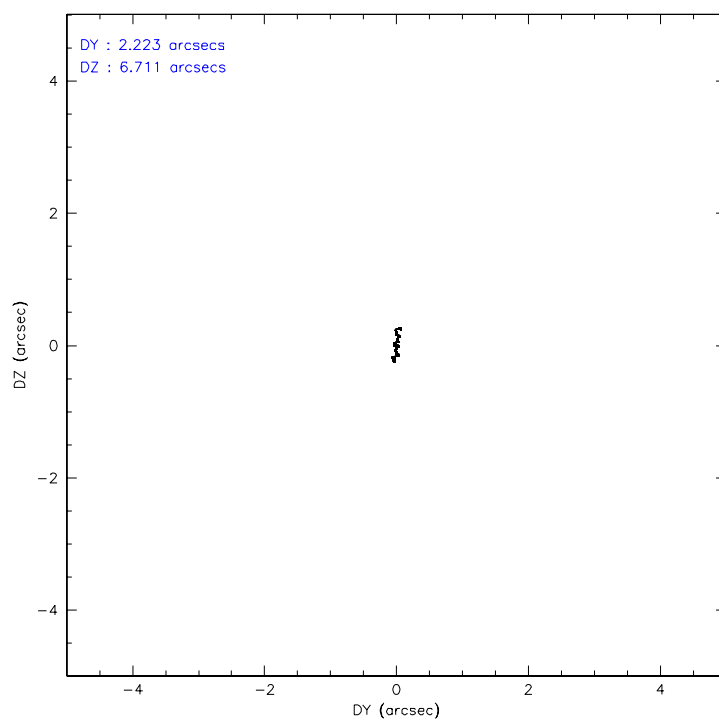
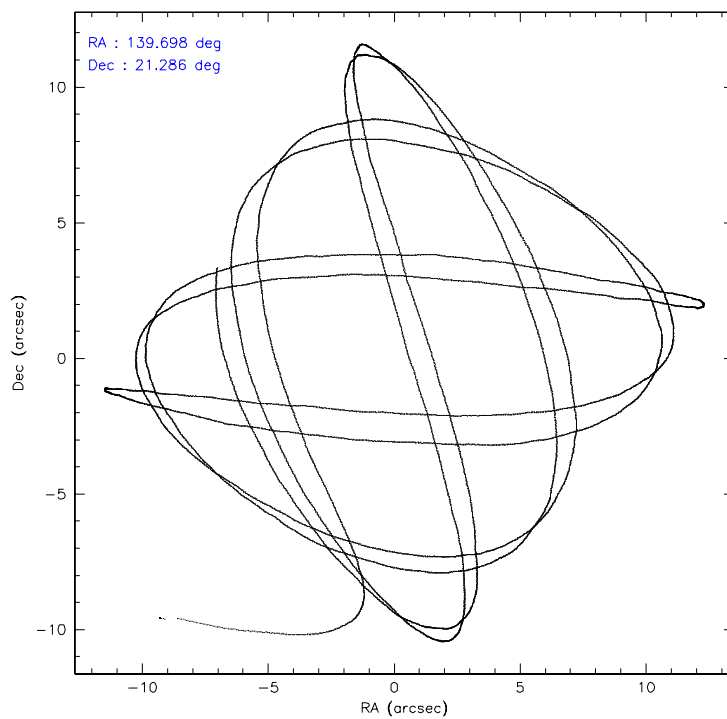
	<b>ccd 3</b>
level 1 events	7180
rejected events	6571
rejected %	91%

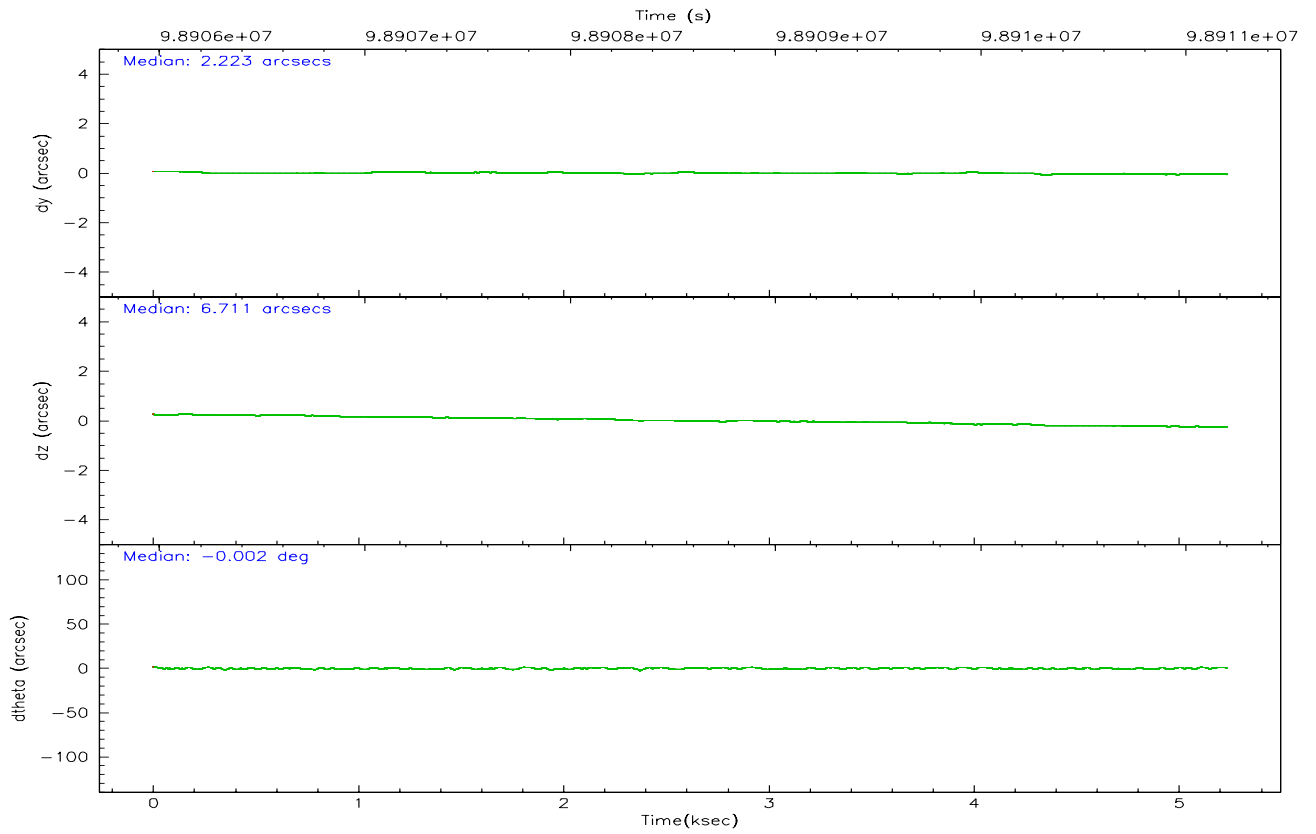
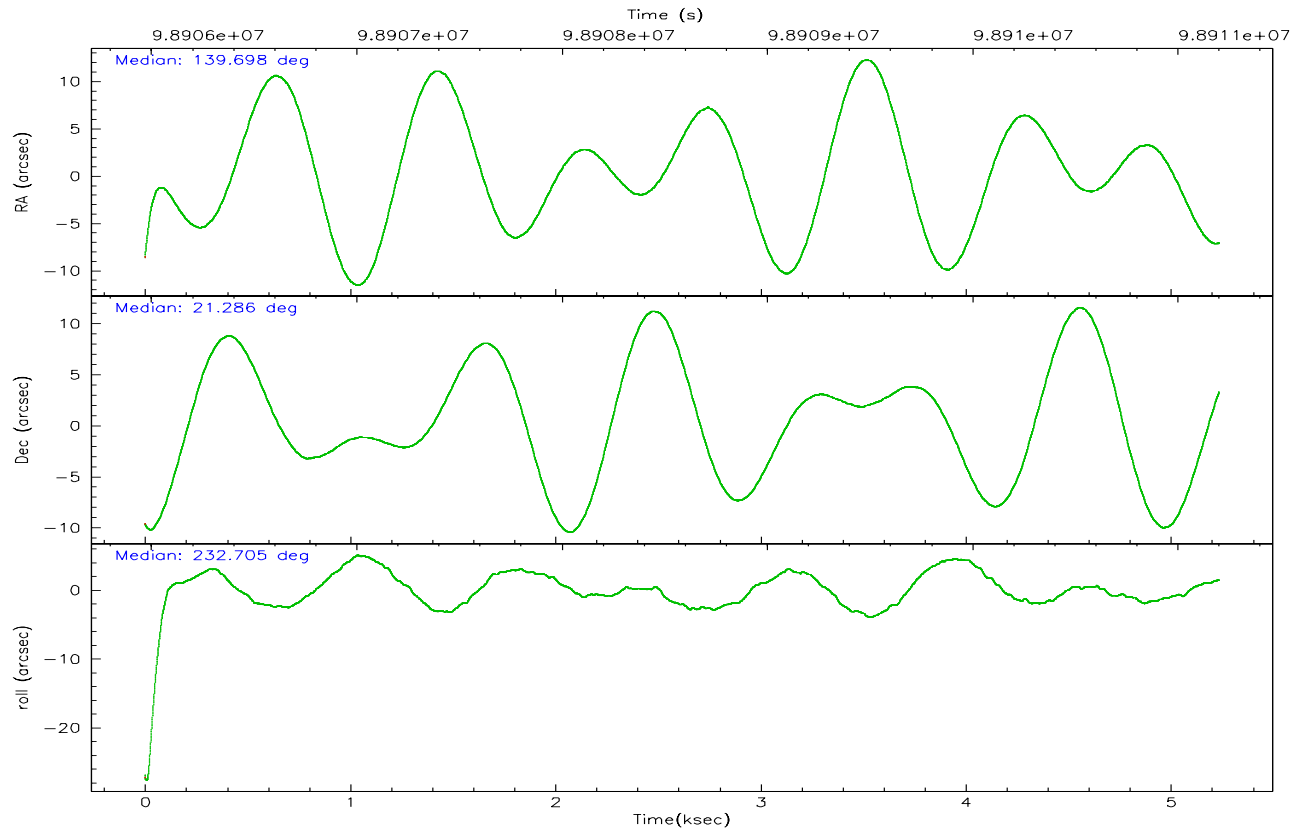
	<b>ccd 3</b>
grade 0 events	414
	5%
grade 1 events	1
	0%
grade 2 events	118
	1%
grade 3 events	119
	1%
grade 4 events	102
	1%
grade 5 events	220
	3%
grade 6 events	111
	1%
grade 7 events	6095
	84%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-3	ACIS-3	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	139.701793	139.6979878541739	Subarray requested	1/4	1/4
Pointing Dec	21.312959	21.28562879734139	Subarray start row	0	769
Pointing Roll	232.500392	232.7103934249551	Subarray row count	1024	256
SIM focus pos (mm)	-0.782348	-0.7809083437167272	Alternating exposures requested	N	N
SIM defocus (mm)	0	0.001439871863259334	Primary exposure time	0.000000	0.8
SIM translation stage pos (mm)	-233.592463	-233.5874344608287			
SIM translation stage offset (mm)	0	-0.005018542100998502			
Observation start time	98906130.184000	98904864.11318401			
Observation start date	2001-02-18T17:54:26	2001-02-18T17:34:24			
Observation end time	98908130.184000	98911516.36344001			
Observation end date	2001-02-18T18:27:46	2001-02-18T19:25:16			
Read mode	TIMED	TIMED			

## 2.3 Aspect





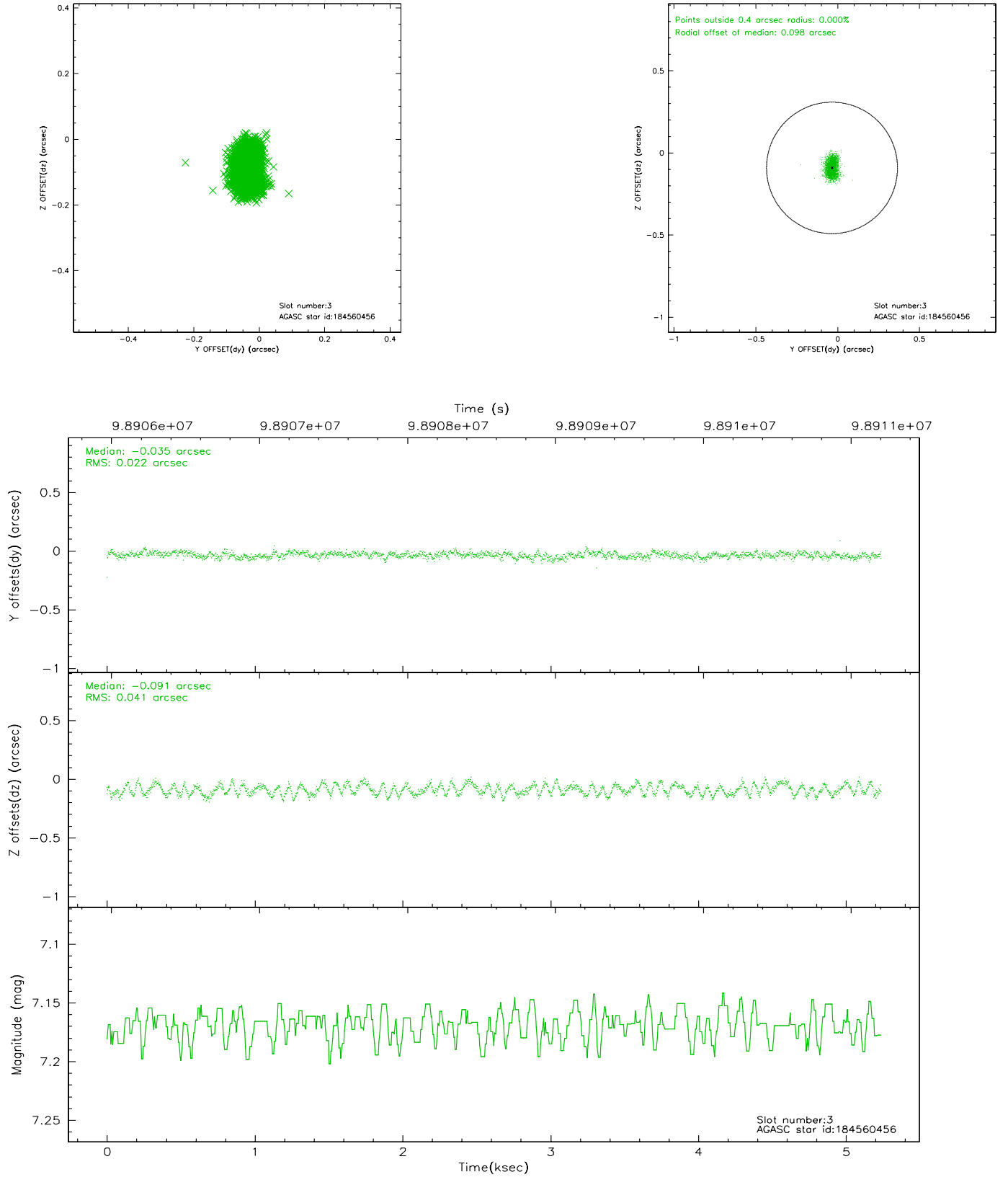
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.16	1278	-0.035	-0.049	0.009	0.015	0.000000	0.000000	-756.61	-836.52
1	FID	ACIS-I-4	7.18	1278	-0.053	0.041	0.005	0.010	0.000000	0.000000	2156.90	1069.17
2	FID	ACIS-I-5	7.23	1278	-0.014	0.077	0.008	0.014	0.000000	0.000000	-1808.94	1068.36
3	GUIDE	184560456	7.17	2555	-0.035	-0.091	0.050	0.078	139.914483	20.546508	1753.06	2248.45
4	GUIDE	184560624	7.38	2555	0.027	0.022	0.051	0.081	140.497177	21.498563	-2155.73	1703.60
5	GUIDE	184560232	8.10	2554	-0.054	0.068	0.046	0.074	138.997083	21.280288	1528.57	-1806.18
6	GUIDE	184562968	8.27	2555	0.013	-0.072	0.070	0.110	139.457478	21.781583	-839.92	-1676.18
7	GUIDE	184561360	9.33	2552	0.052	0.078	0.076	0.121	139.708822	20.583386	2069.95	1617.41

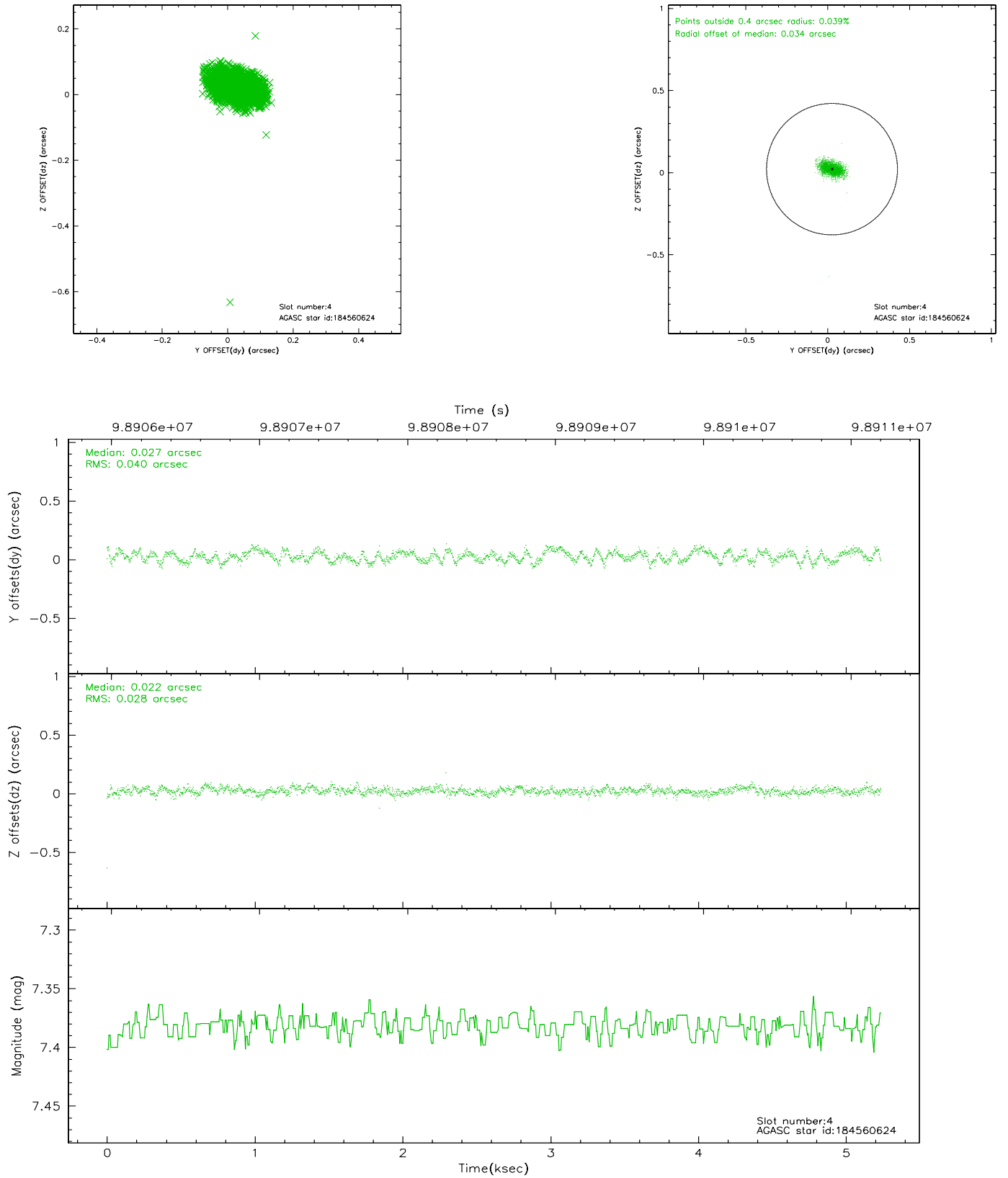


## 2.4 Star Slots

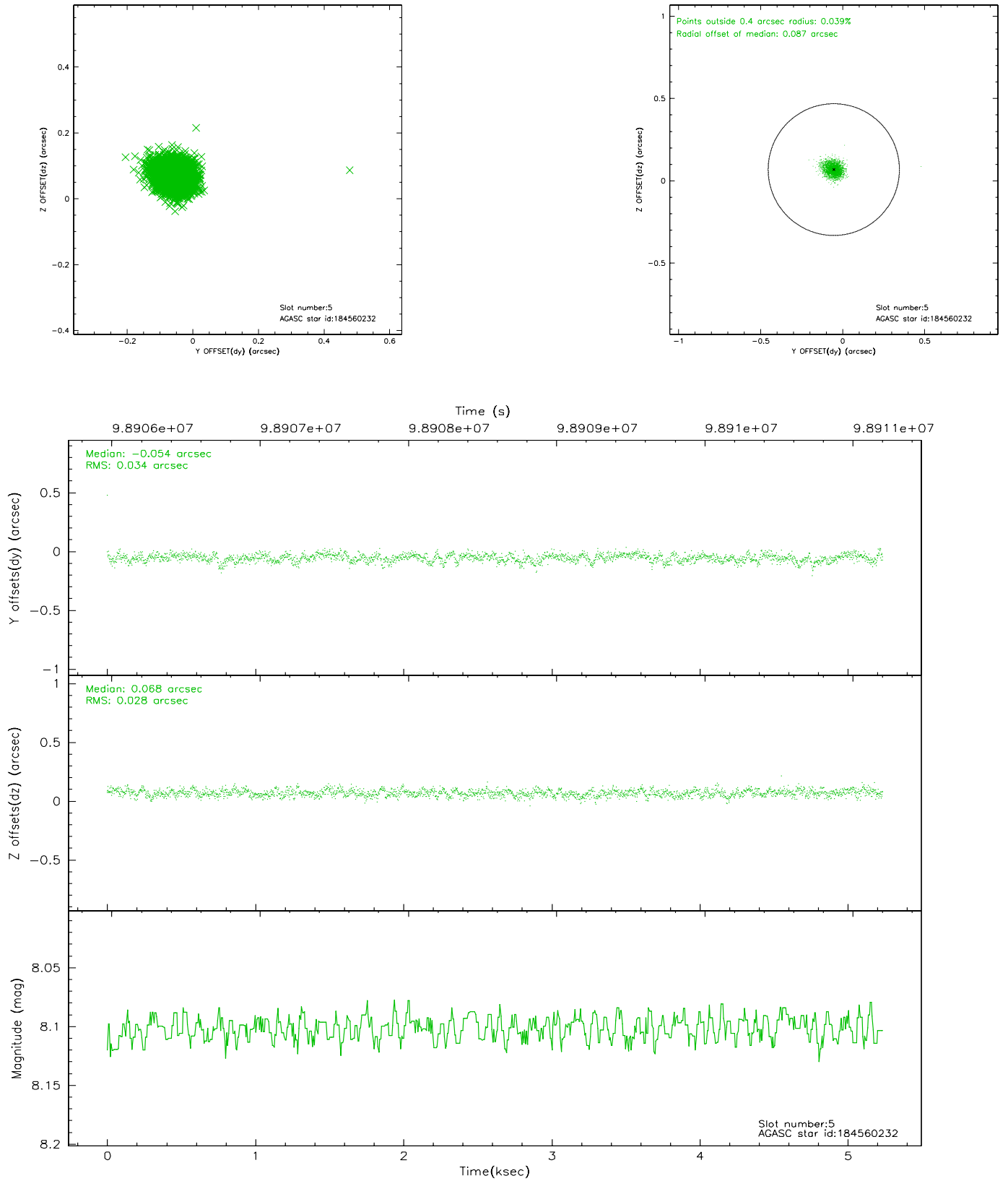
### 2.4.1 Slot 3



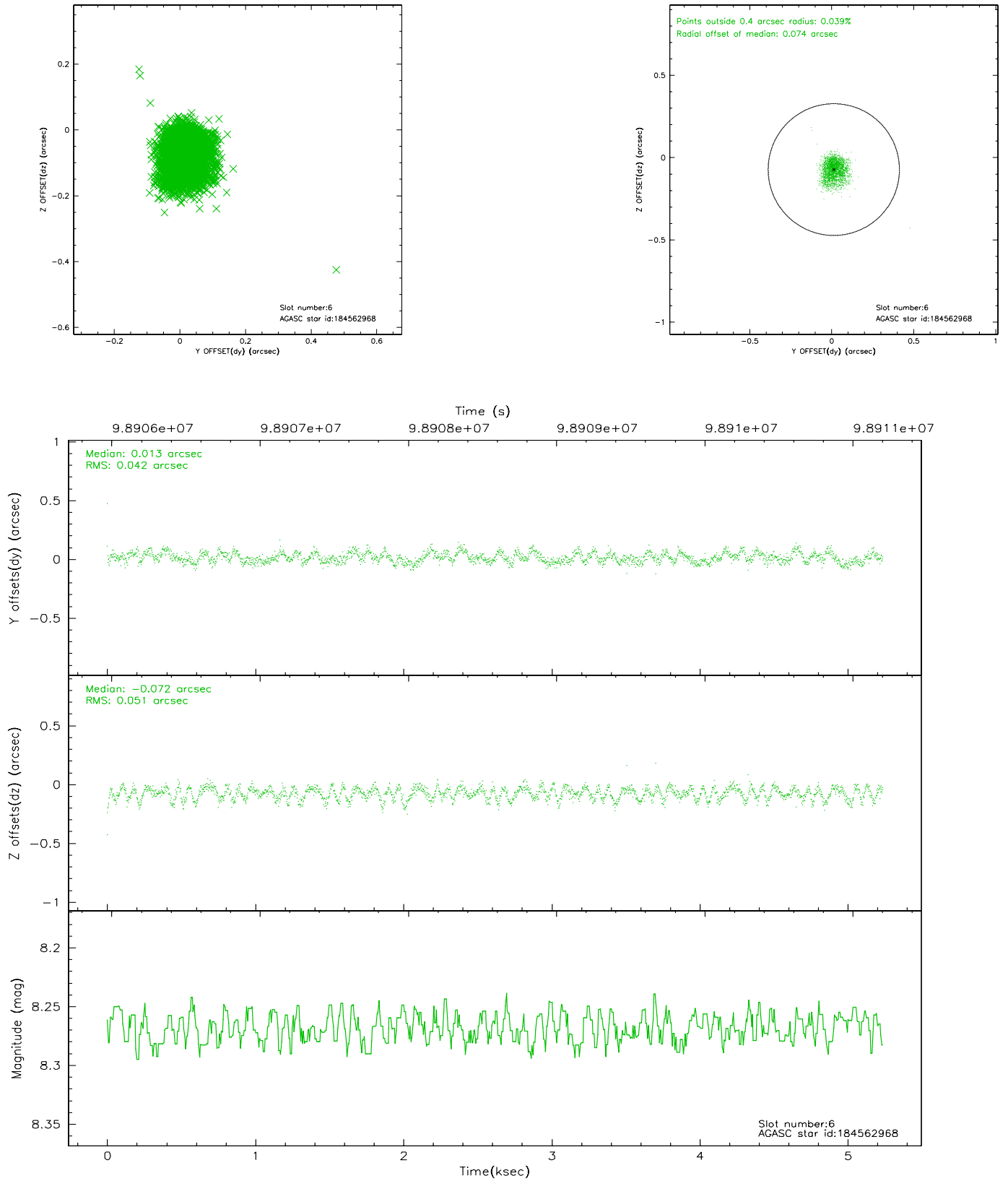
## 2.4.2 Slot 4



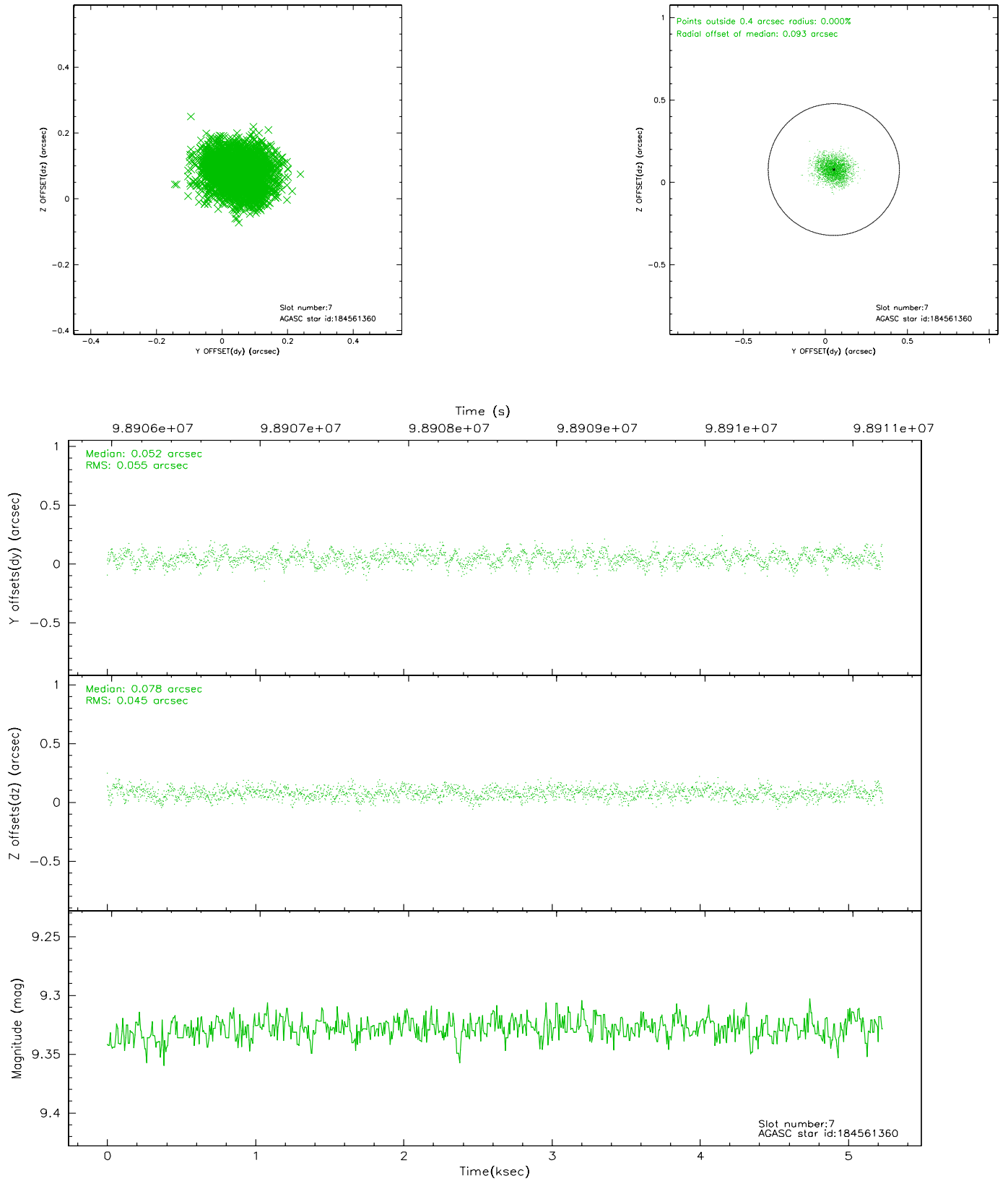
### 2.4.3 Slot 5



## 2.4.4 Slot 6

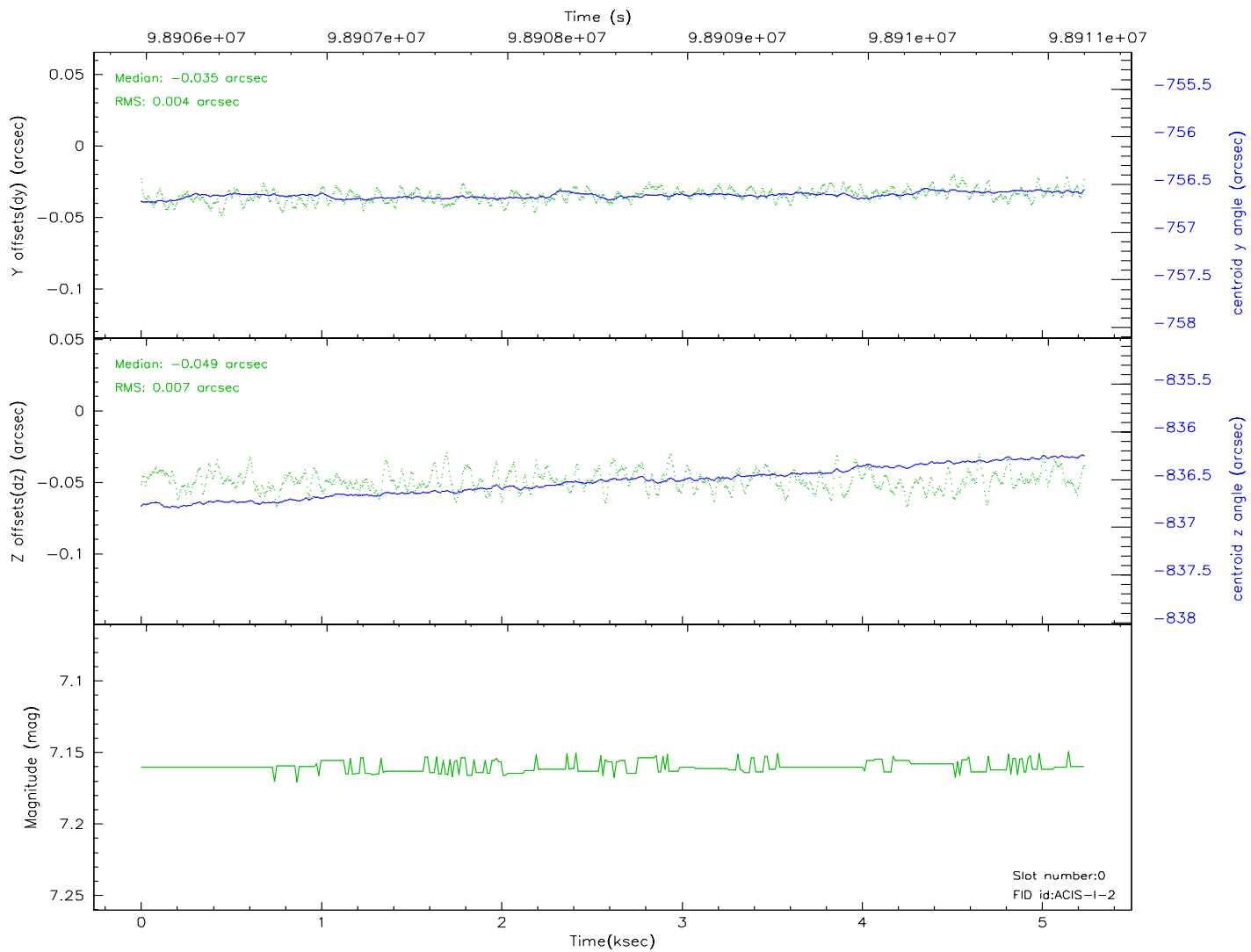
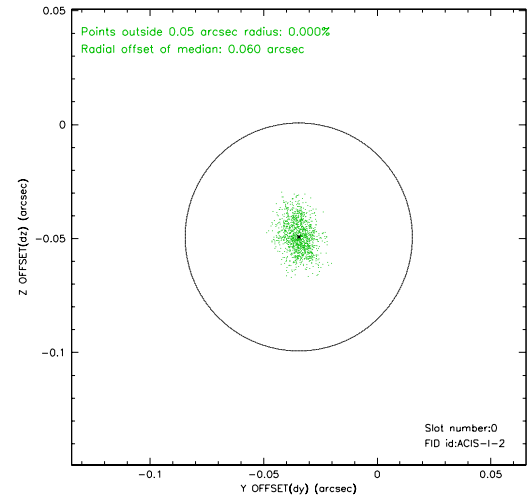
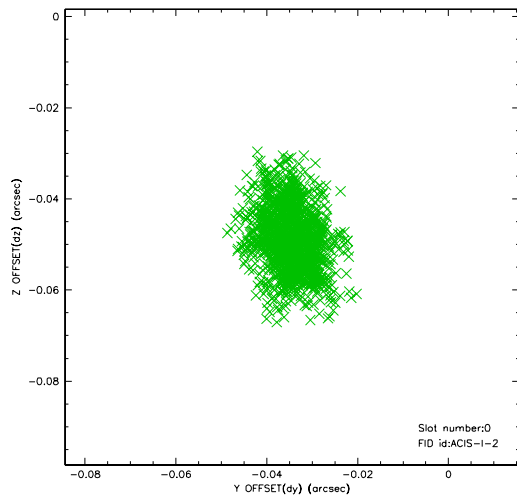


## 2.4.5 Slot 7

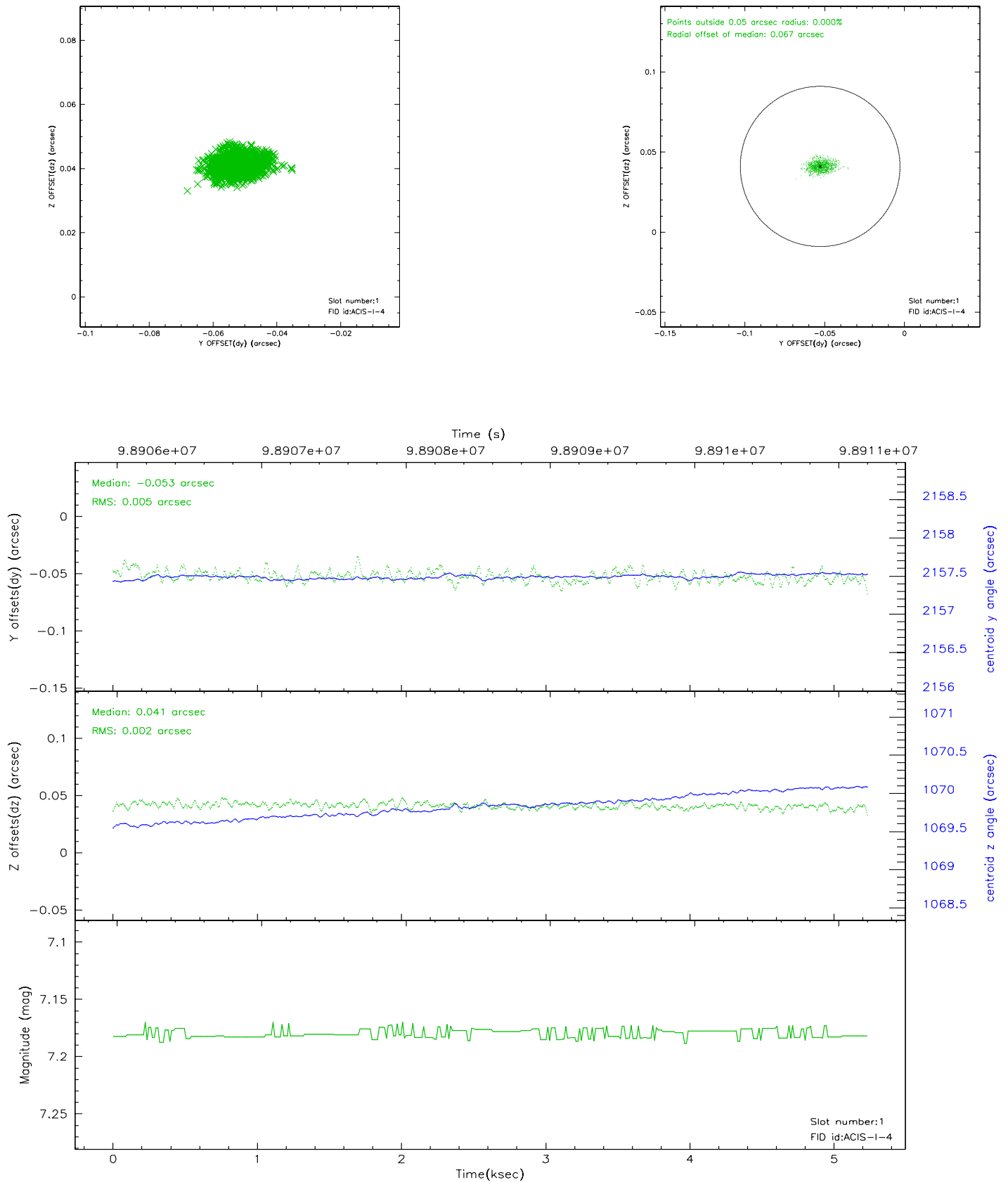


## 2.5 FID Slots

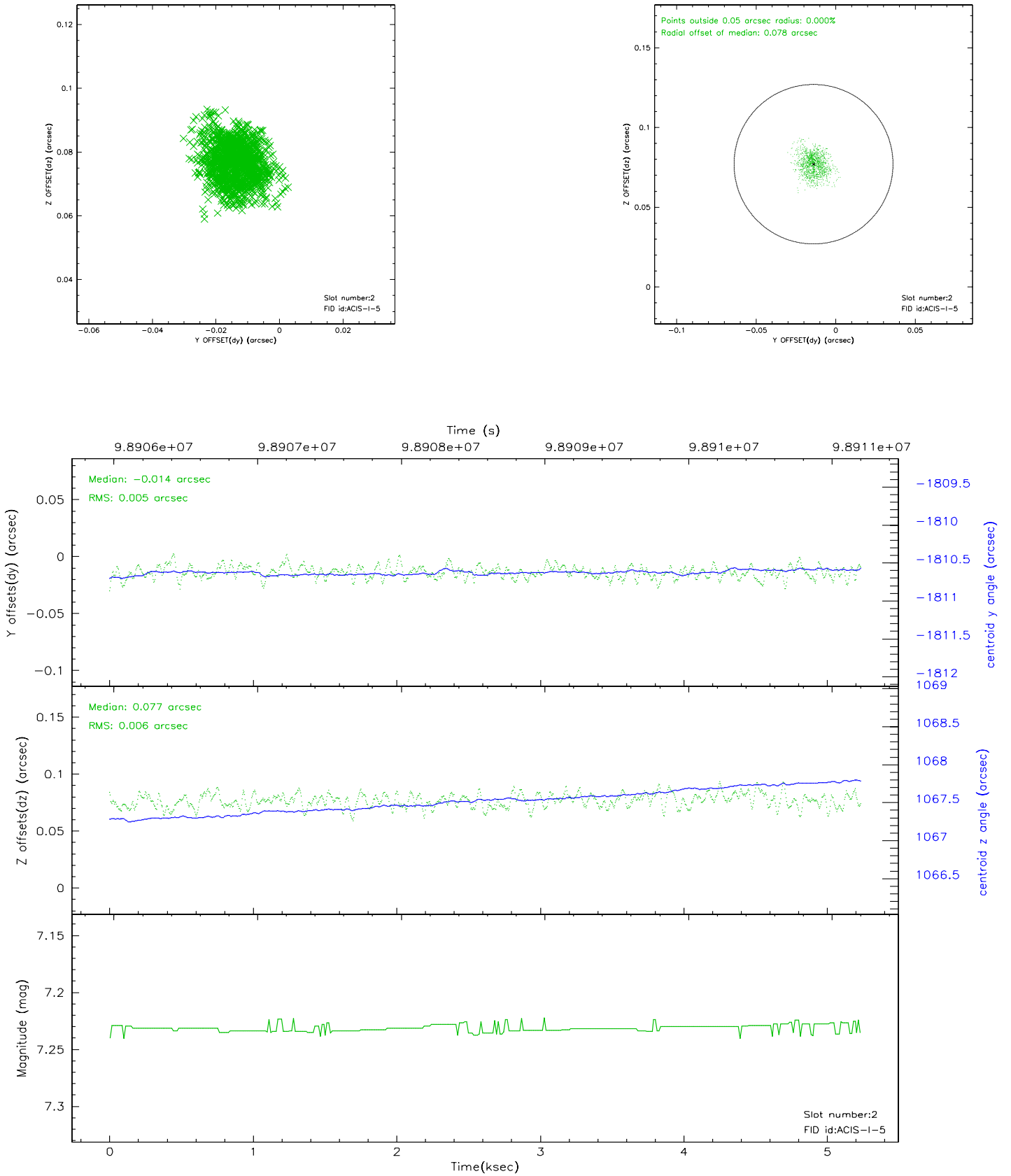
### 2.5.1 Slot 0



## 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)	2006.11.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.16

### A.2 Comments