

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 2669 - L2 Version 001  
Chandra X-Ray Center

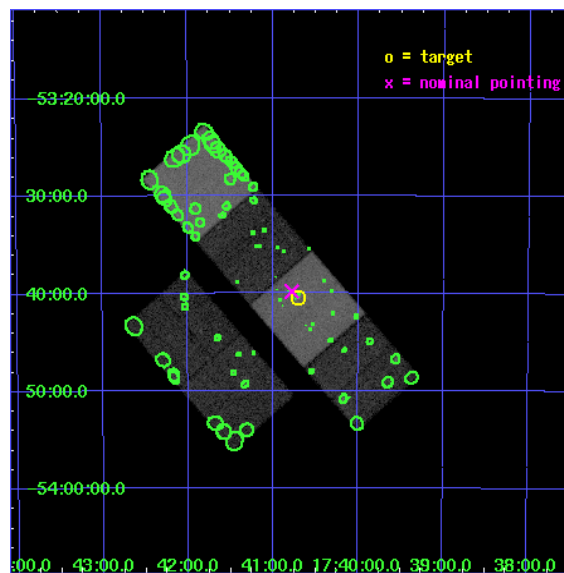
L2 Processing Date : Sep 16 2006

## 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

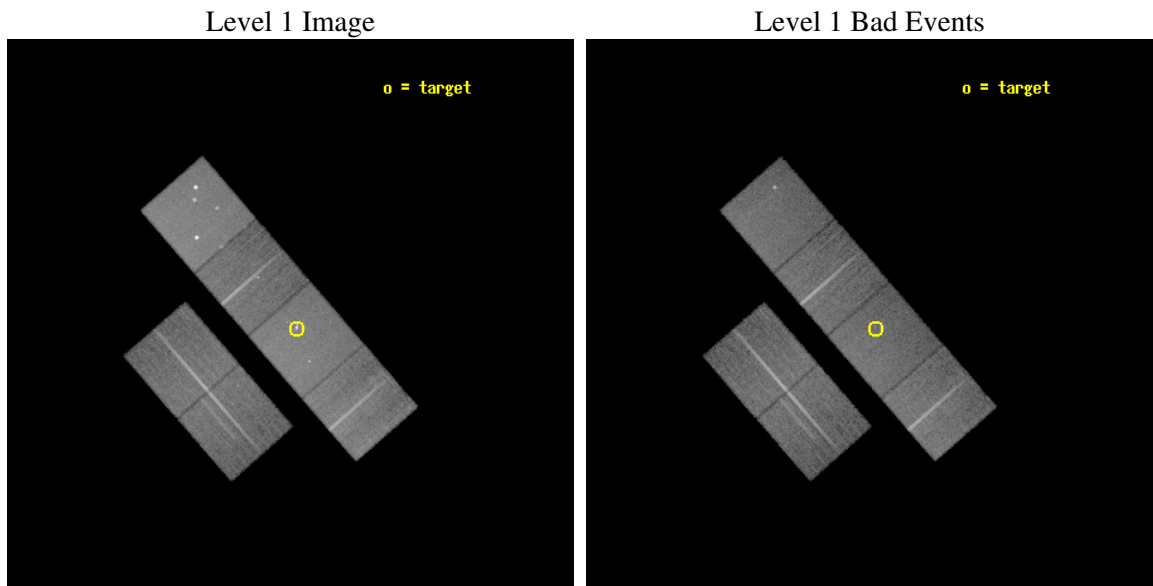
seq_num	300070
obs_id	2669
title	RESOLVING THE COMPACT BINARIES IN NGC 6397
observer	Dr. Stephen Murray
object	NGC6397
dtcycle	0
cycle	P
ra_targ	265.175
dec_targ	-53.674417
ra_nom	265.19462291518
dec_nom	-53.663694460711
roll_nom	48.943002387129
revision	2
ontime	27001.599899411
livetime	26659.689383073
ontime2	27001.599899411
ontime3	27001.599899411
ontime5	27001.599899411
ontime6	27001.599899411
ontime7	27001.599899411
ontime8	27001.599899411
l2events	268816



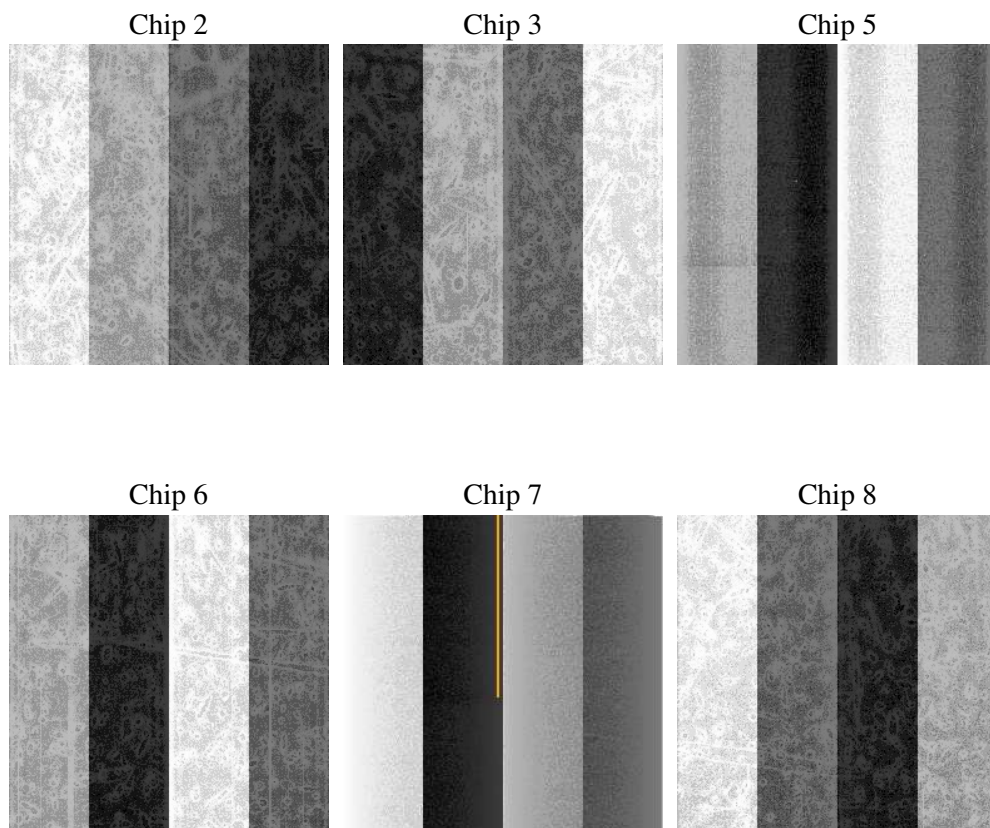
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	2
ascdsver	7.6.9
caldsver	3.2.3
date	2006-09-16T13:26:55
revision	2

sched_exp_time	27000.000000
ontime	27007.290501922
ontime2	27007.290501922
ontime3	27007.290501922
ontime5	27007.290501922
ontime6	27007.290501922
ontime7	27007.290501922
ontime8	27007.290482014
l1events	1206654

### 2.1.4 Events

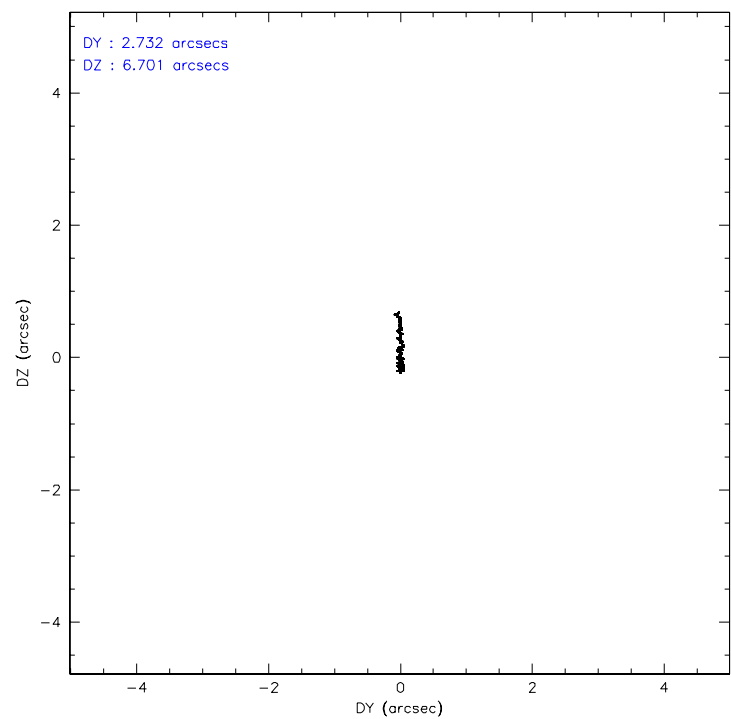
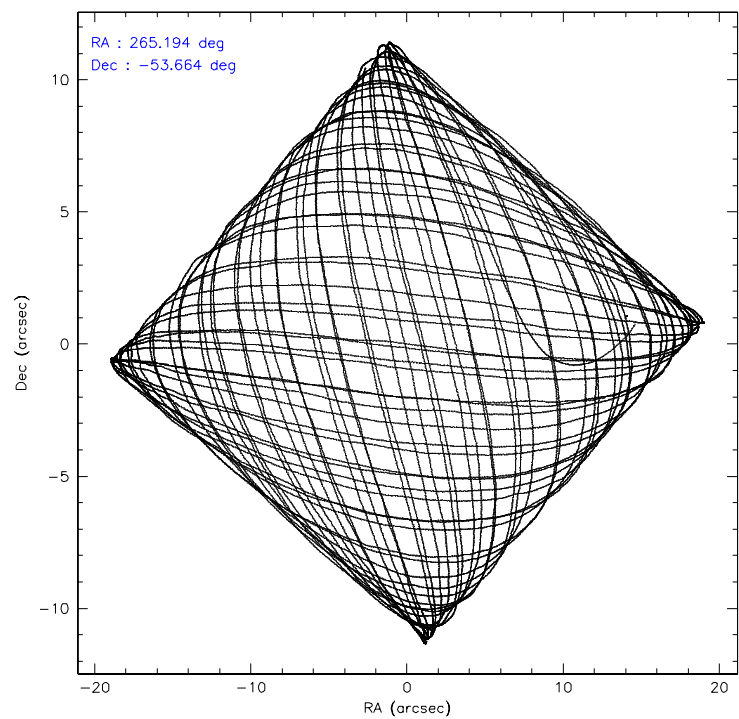
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	172323	162963	254915	171908	231548	212997
rejected events	151966	142458	136343	149897	138513	167862
rejected %	88%	87%	53%	87%	59%	78%

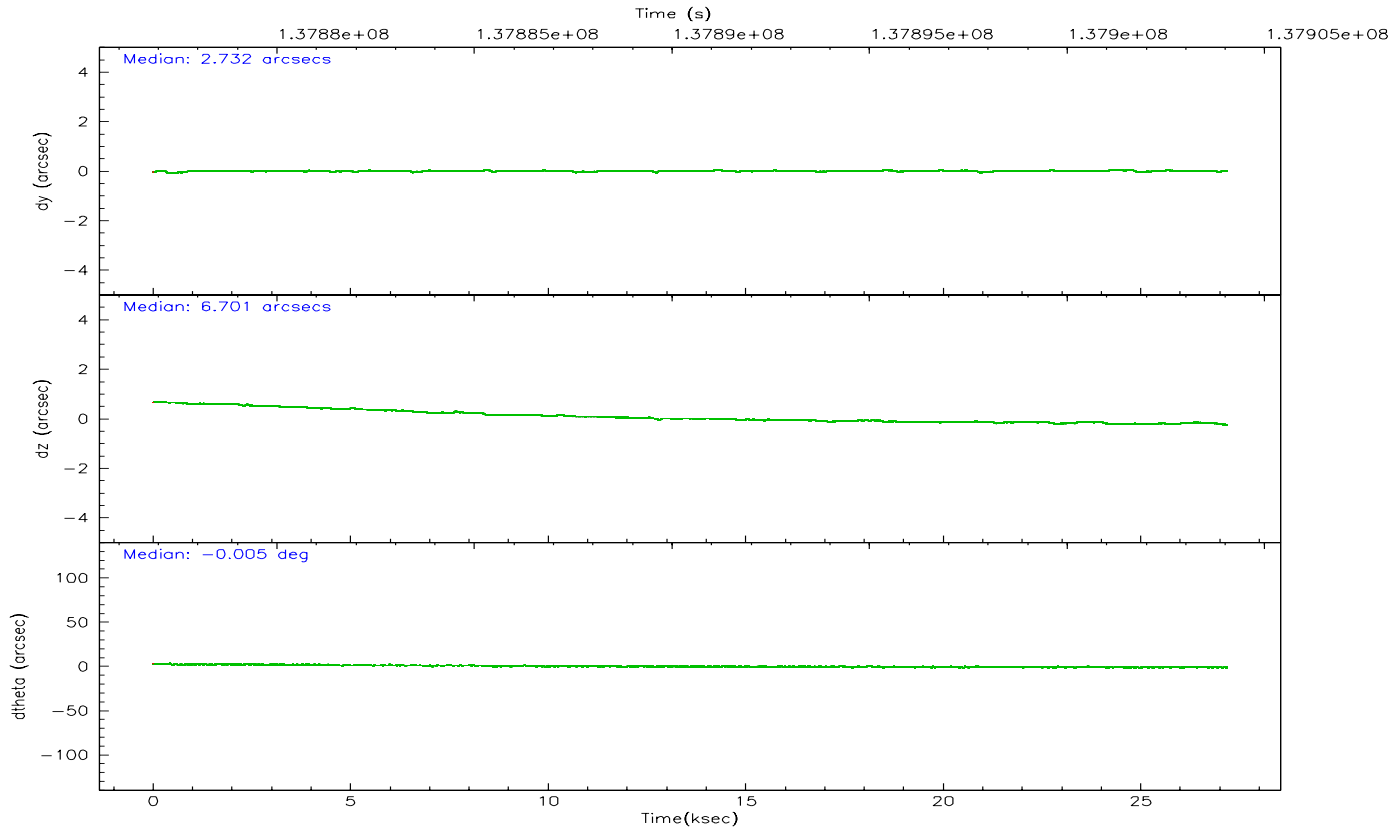
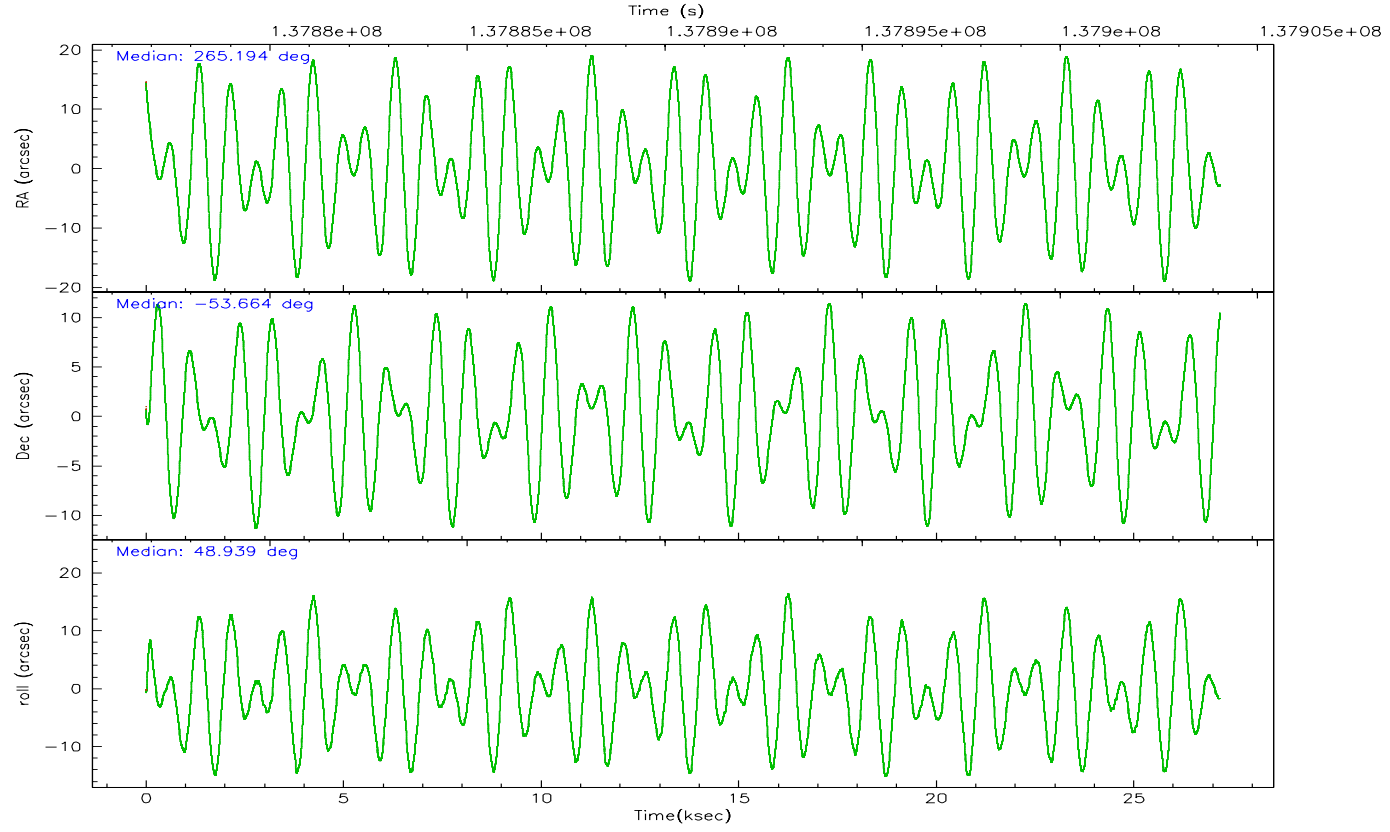
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	8981	9262	15869	9842	7633	14883
	5%	5%	6%	5%	3%	6%
grade 1 events	92	79	234	82	161	143
	0%	0%	0%	0%	0%	0%
grade 2 events	4347	3943	36710	4217	23046	9510
	2%	2%	14%	2%	9%	4%
grade 3 events	1788	1918	2635	2041	5297	4806
	1%	1%	1%	1%	2%	2%
grade 4 events	1788	1852	2579	1966	5376	4419
	1%	1%	1%	1%	2%	2%
grade 5 events	6129	6816	12411	7652	14933	9455
	3%	4%	4%	4%	6%	4%
grade 6 events	3462	3532	60804	3957	51707	11538
	2%	2%	23%	2%	22%	5%
grade 7 events	145736	135561	123673	142151	123395	158243
	84%	83%	48%	82%	53%	74%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-235678	ACIS-235678	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	265.186366	265.1946229151778	Subarray requested	NONE	NONE
Pointing Dec	-53.690505	-53.66369446071131	Alternating exposures requested	N	N
Pointing Roll	48.779726	48.94300238712935	Primary exposure time	0.000000	3.2
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1400660498719			
SIM translation stage offset (mm)	0	0.00754346686406393			
Observation start time	137877053.184000	137876071.37074			
Observation start date	2002-05-15T19:09:49	2002-05-15T18:54:31			
Observation end time	137904053.184000	137904836.97191			
Observation end date	2002-05-16T02:39:49	2002-05-16T02:53:56			
Read mode	TIMED	TIMED			

### 2.3 Aspect





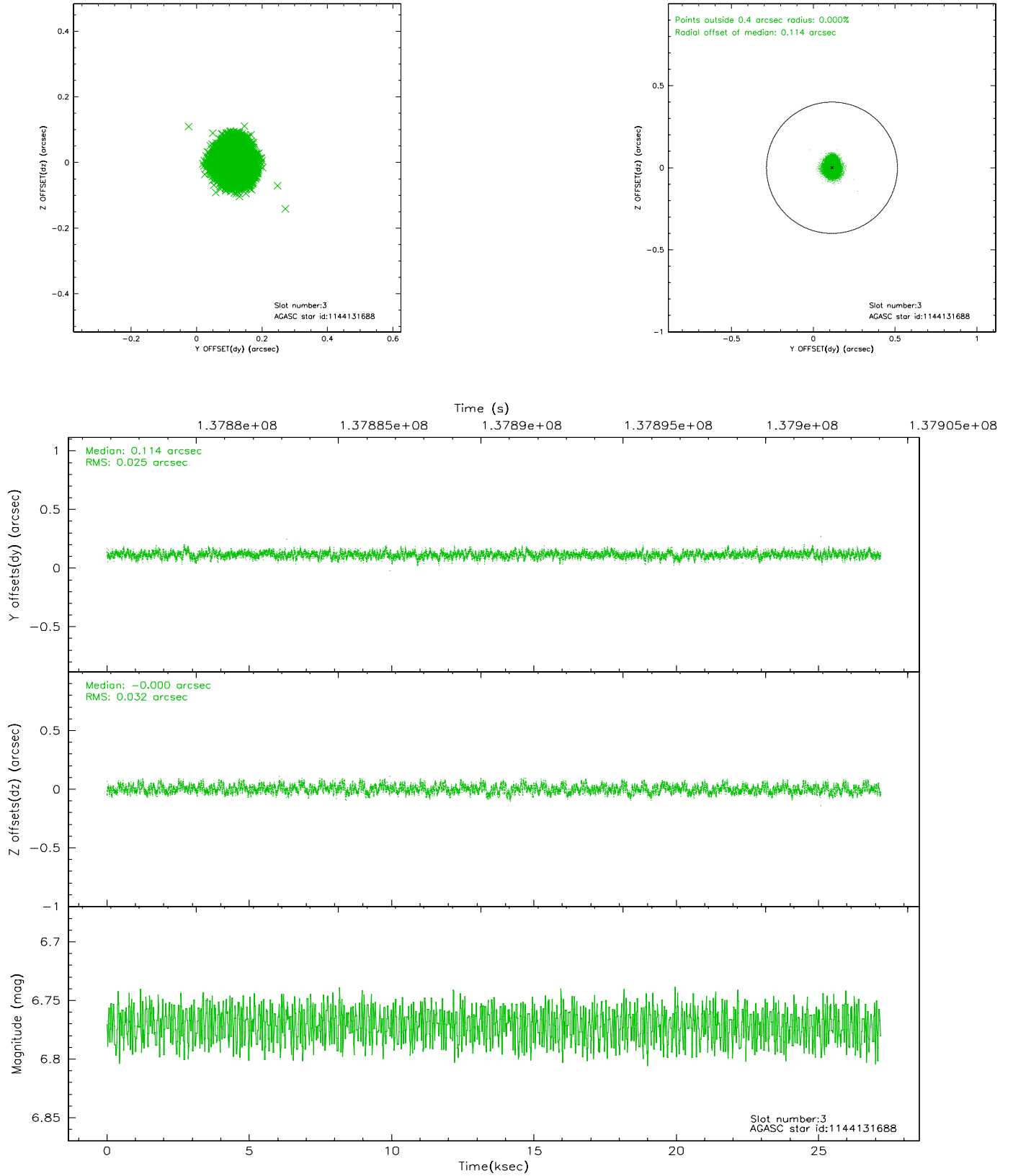
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	6632	-0.012	0.033	0.009	0.017	0.000000	0.000000	-755.36	-1727.93
1	FID	ACIS-S-4	7.20	6631	-0.075	-0.004	0.008	0.015	0.000000	0.000000	2157.79	180.44
2	FID	ACIS-S-5	7.24	6631	0.054	-0.021	0.008	0.013	0.000000	0.000000	-1808.03	174.18
3	GUIDE	1144131688	6.77	13261	0.114	-0.000	0.044	0.069	264.942474	-54.356438	-2140.22	-1196.00
4	GUIDE	1144143432	8.27	13259	-0.045	-0.160	0.067	0.107	264.820407	-53.209617	781.02	1732.33
5	GUIDE	1144138384	8.28	13259	-0.196	0.216	0.071	0.112	266.438271	-53.588969	2020.63	-1786.69
6	GUIDE	1144660608	8.32	13260	0.119	0.058	0.059	0.093	265.130202	-54.477870	-2208.49	-1780.12
7	GUIDE	1144130096	8.94	13256	0.008	-0.114	0.071	0.114	265.098929	-52.802658	2279.14	2248.90

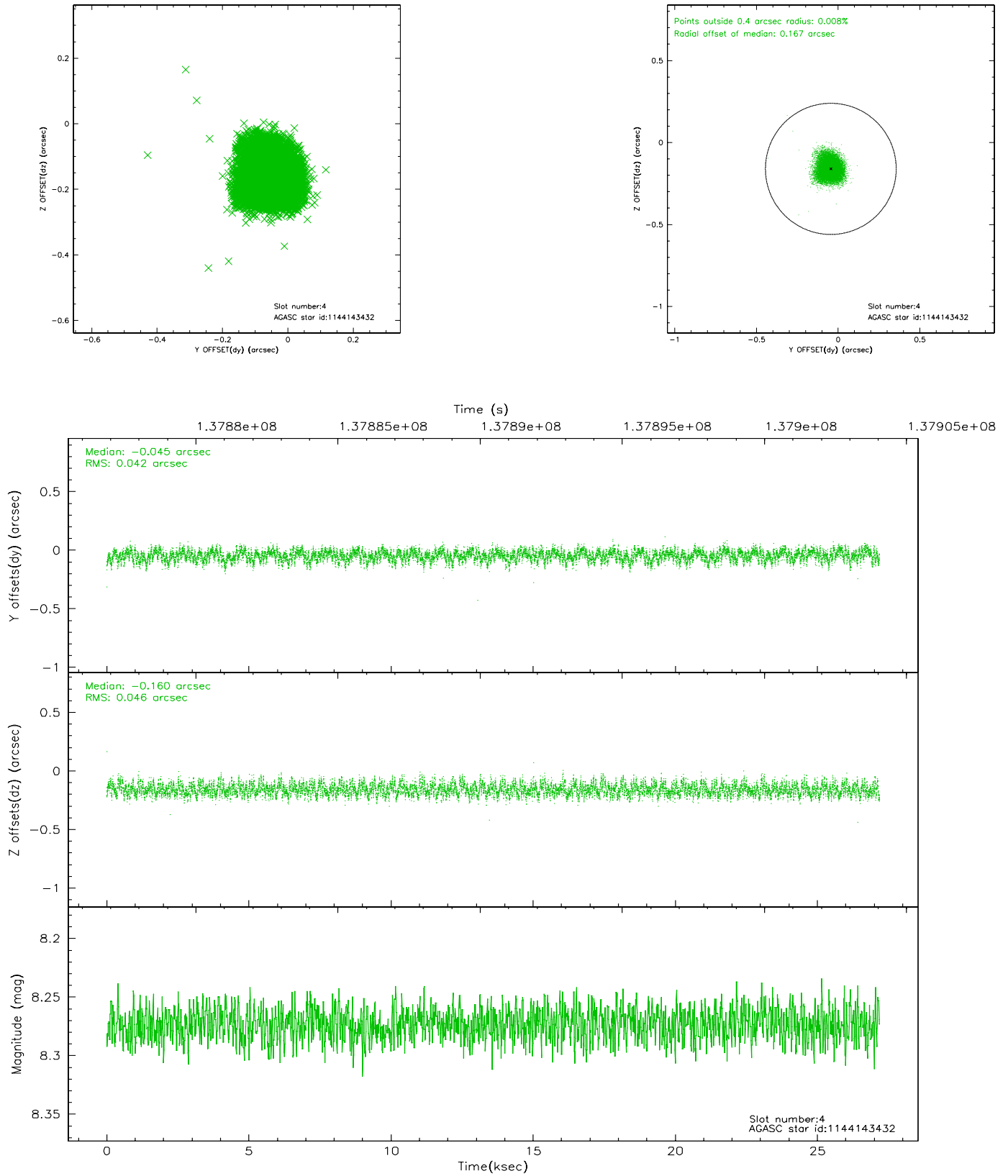


## 2.4 Star Slots

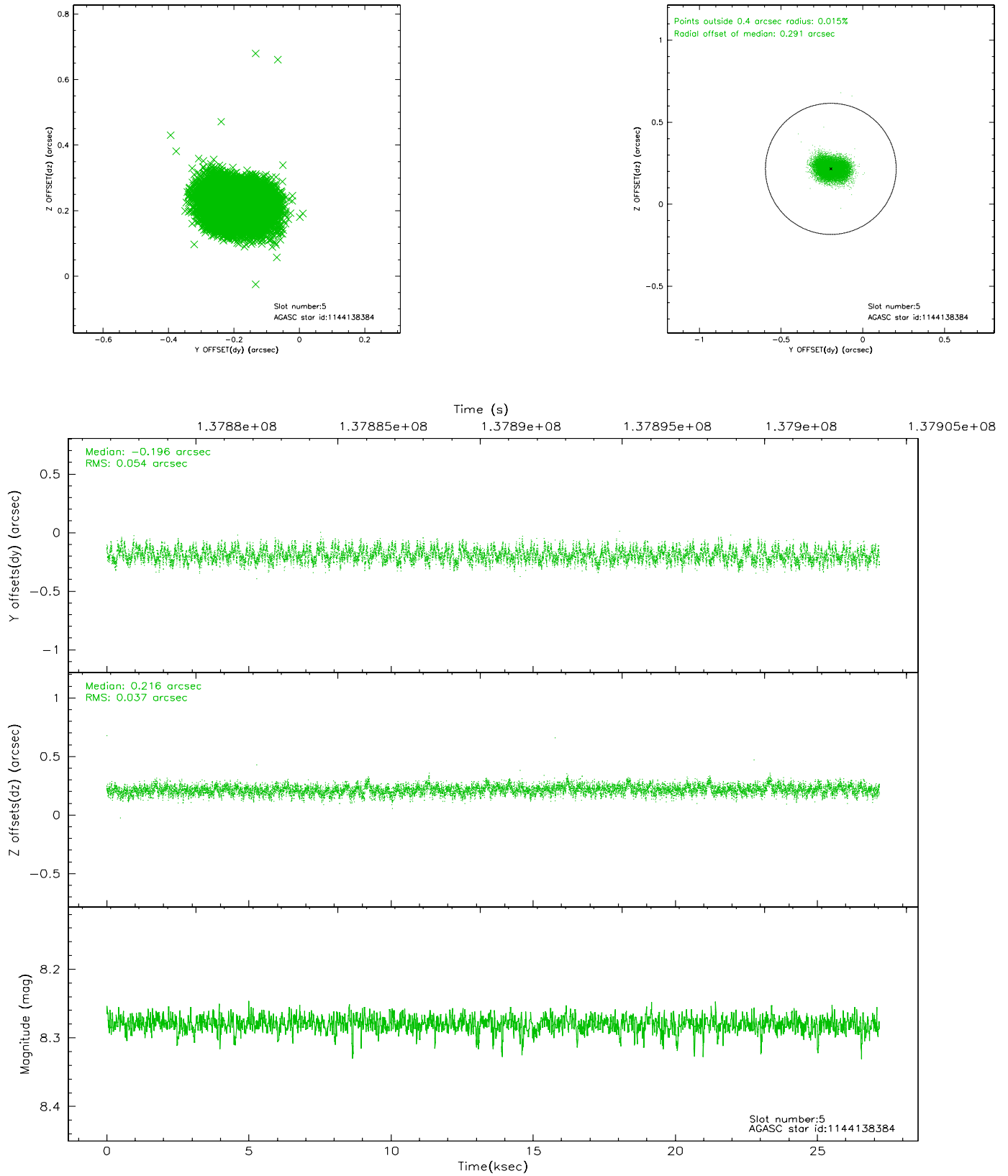
### 2.4.1 Slot 3



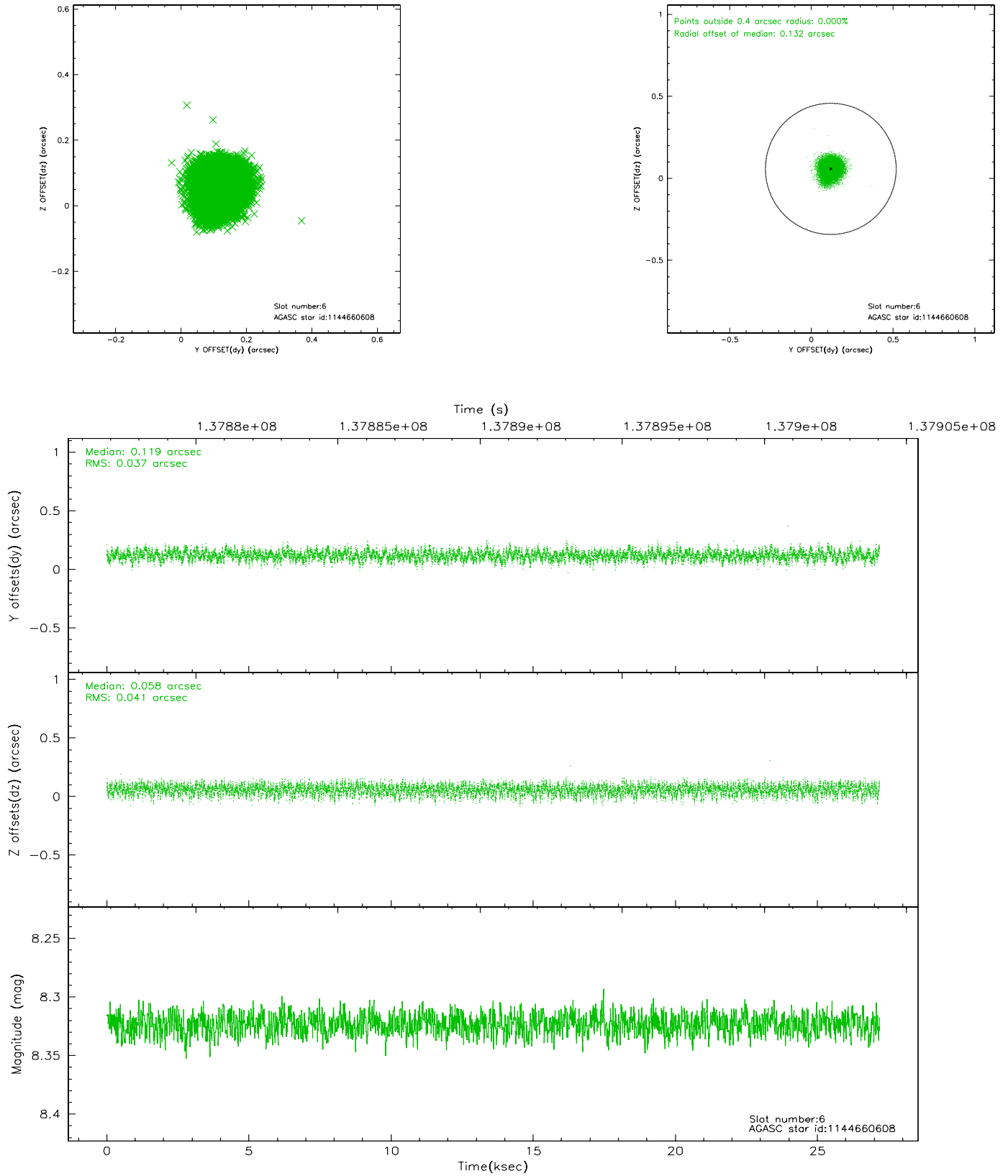
## 2.4.2 Slot 4



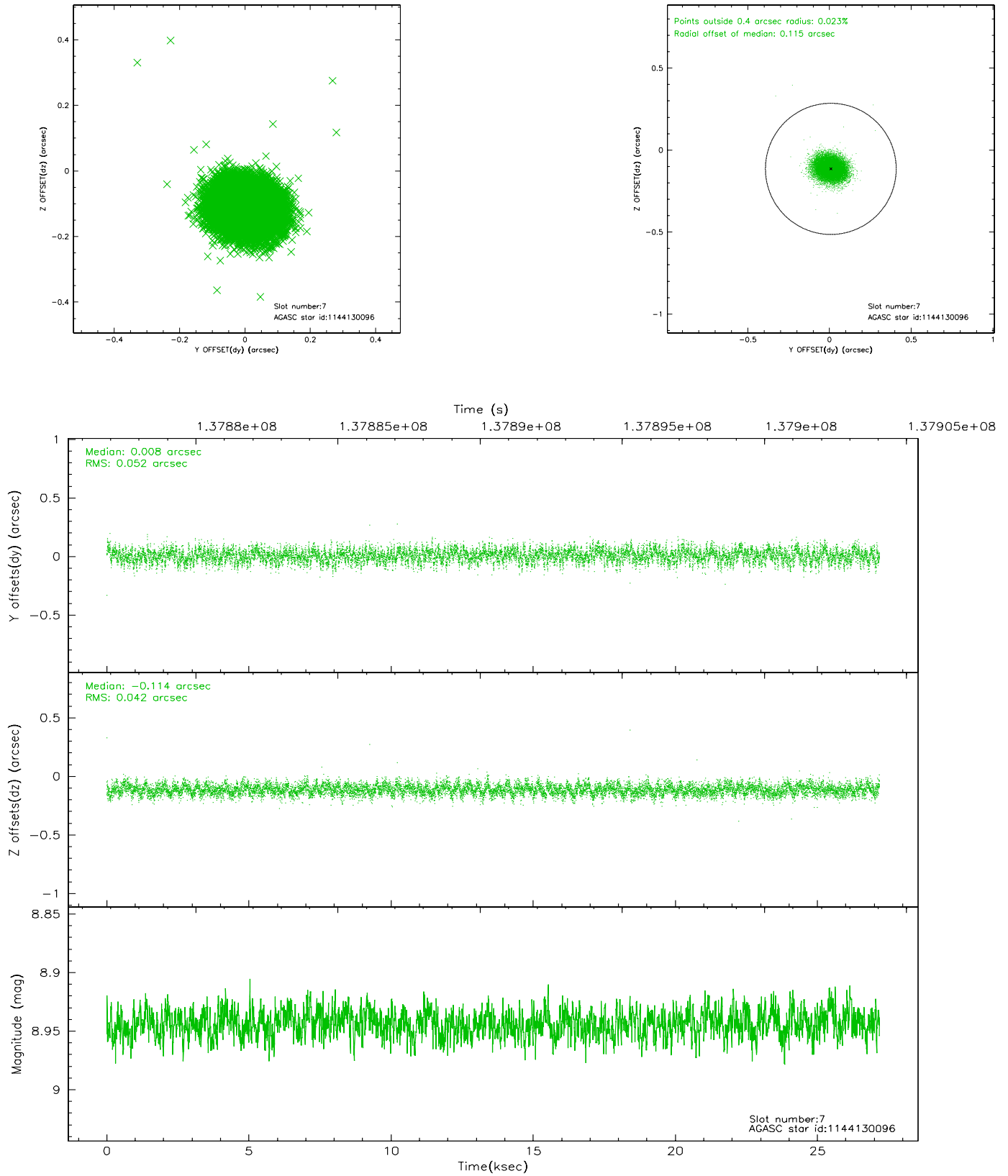
### 2.4.3 Slot 5



## 2.4.4 Slot 6

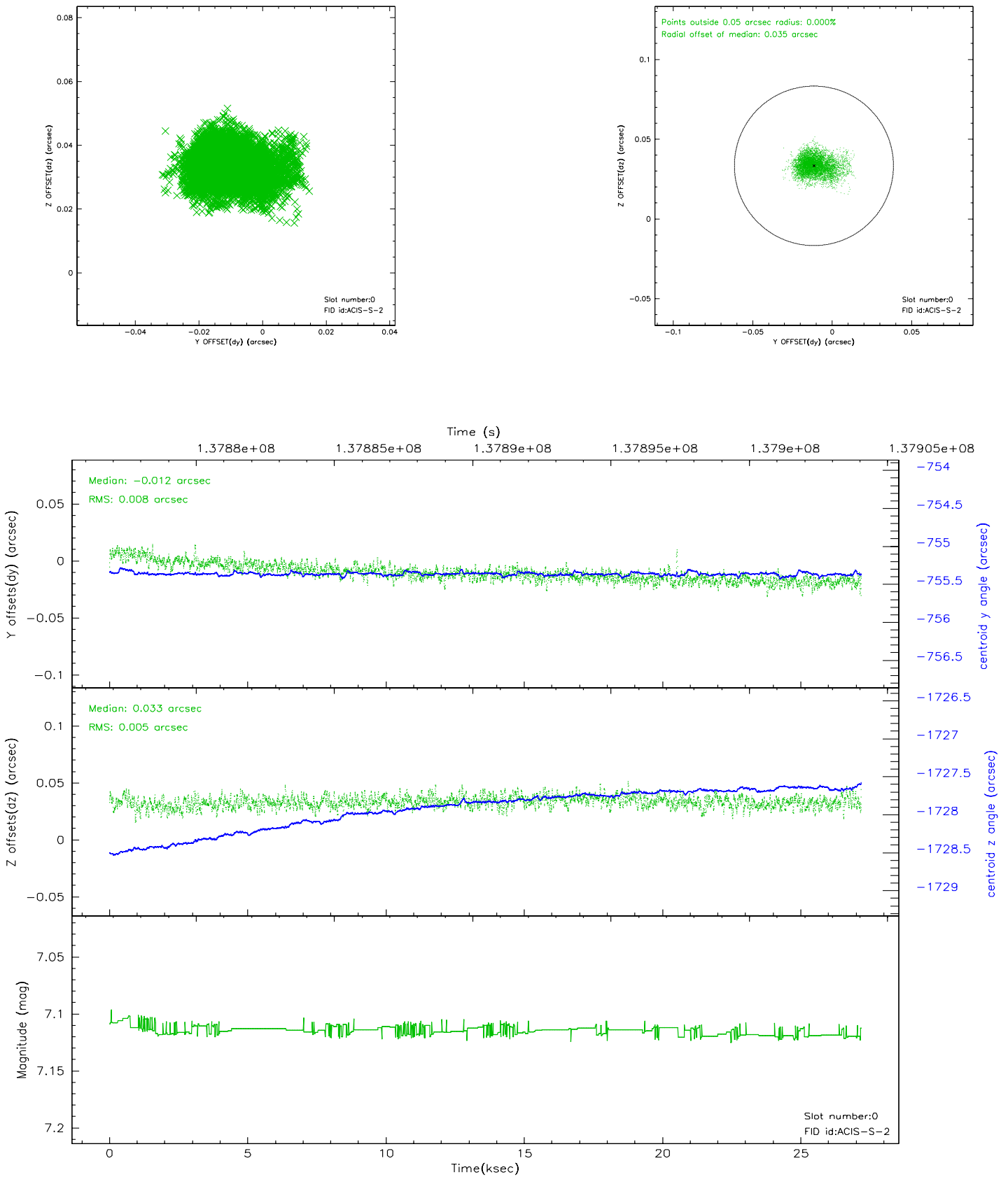


## 2.4.5 Slot 7

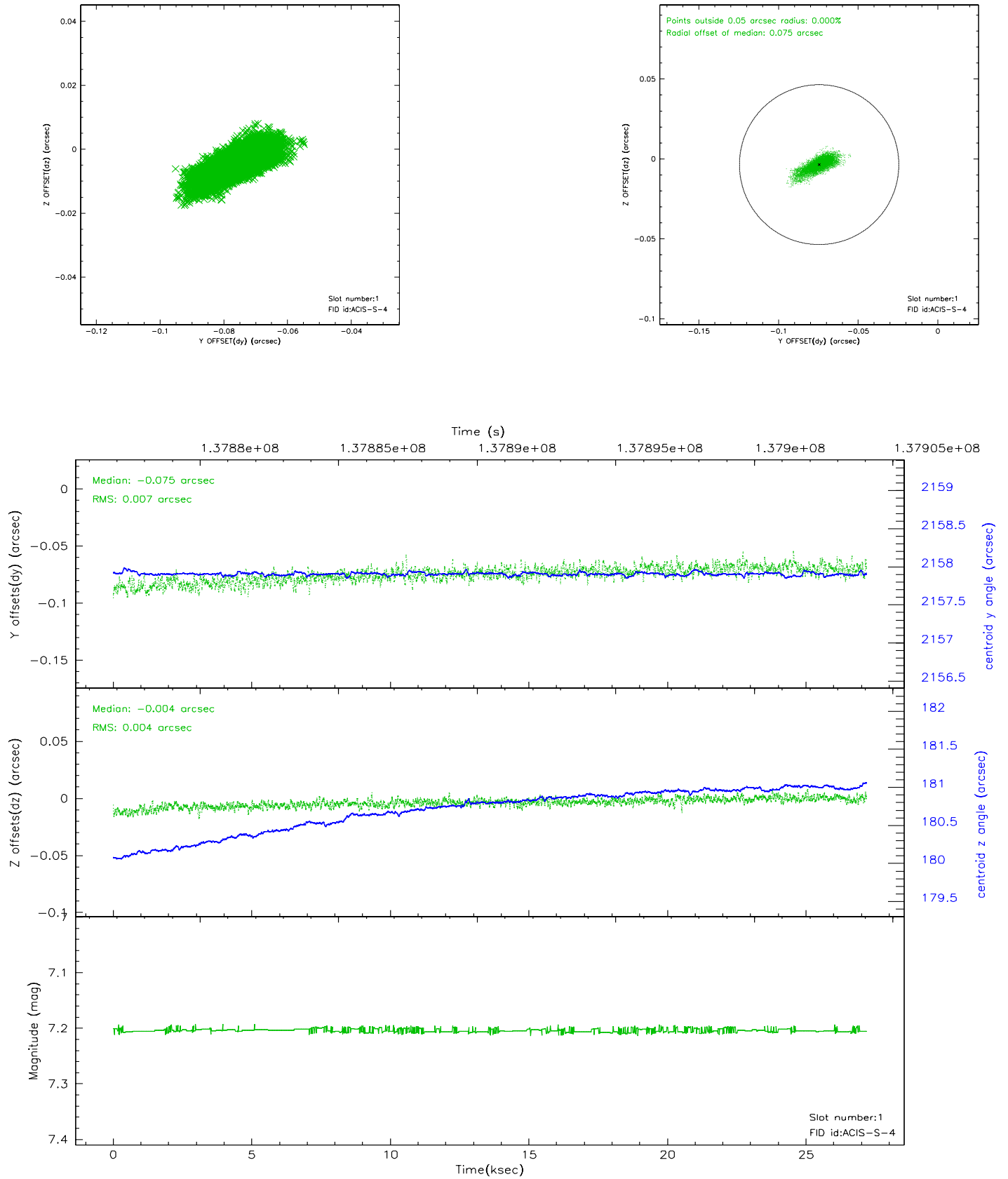


## 2.5 FID Slots

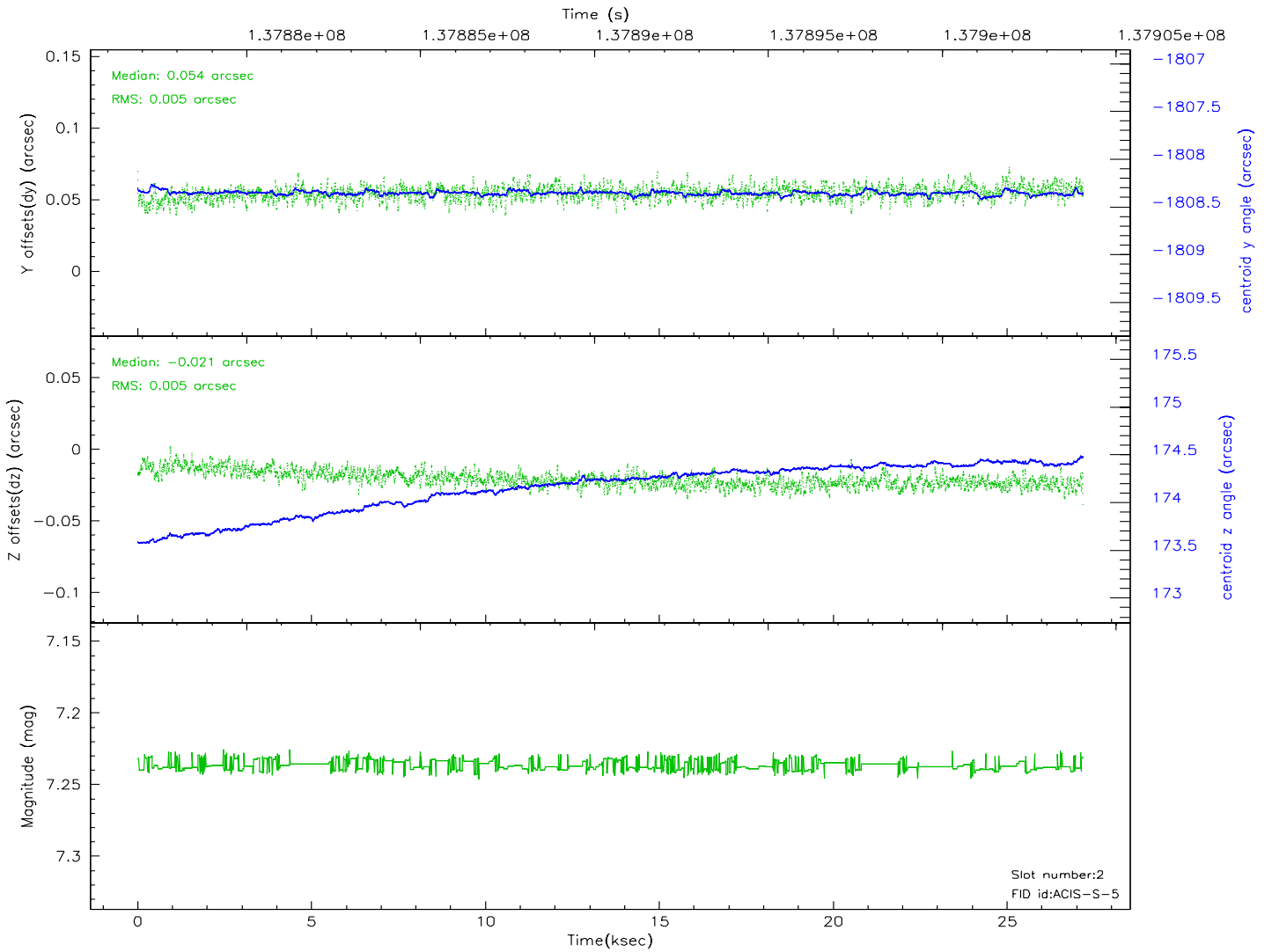
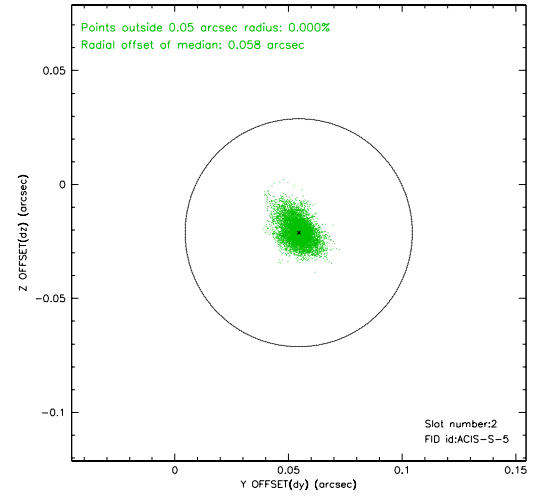
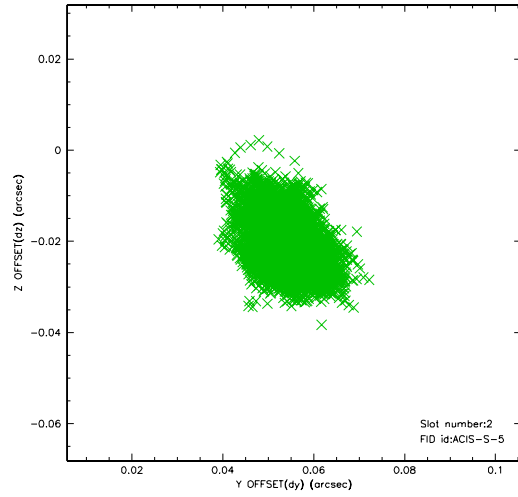
### 2.5.1 Slot 0



## 2.5.2 Slot 1

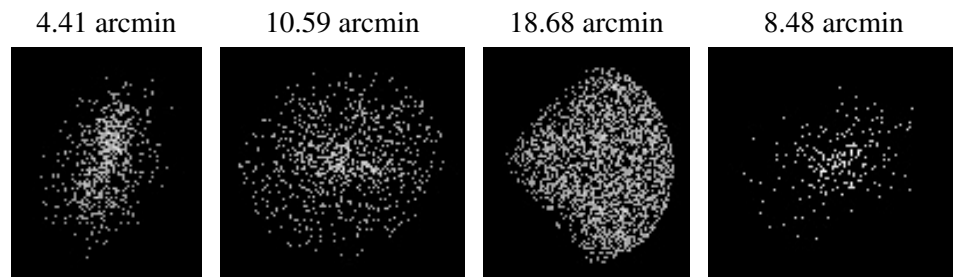


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.09.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	27.004

### A.2 Comments

Monitor constraint met.