

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 2483 - L2 Version 001  
Chandra X-Ray Center

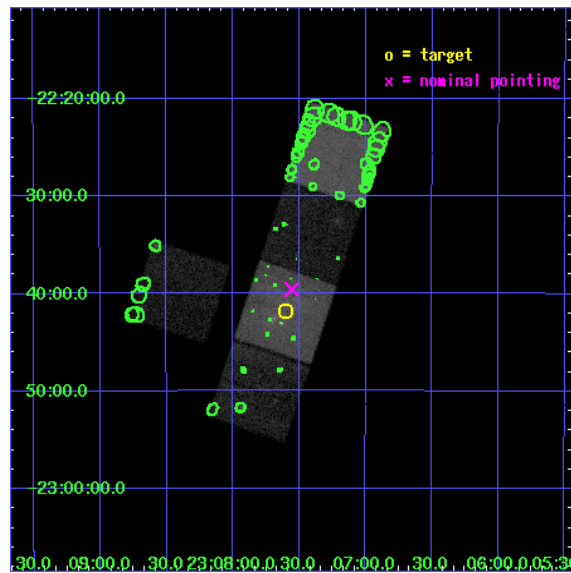
L2 Processing Date : Dec 8 2006

## 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

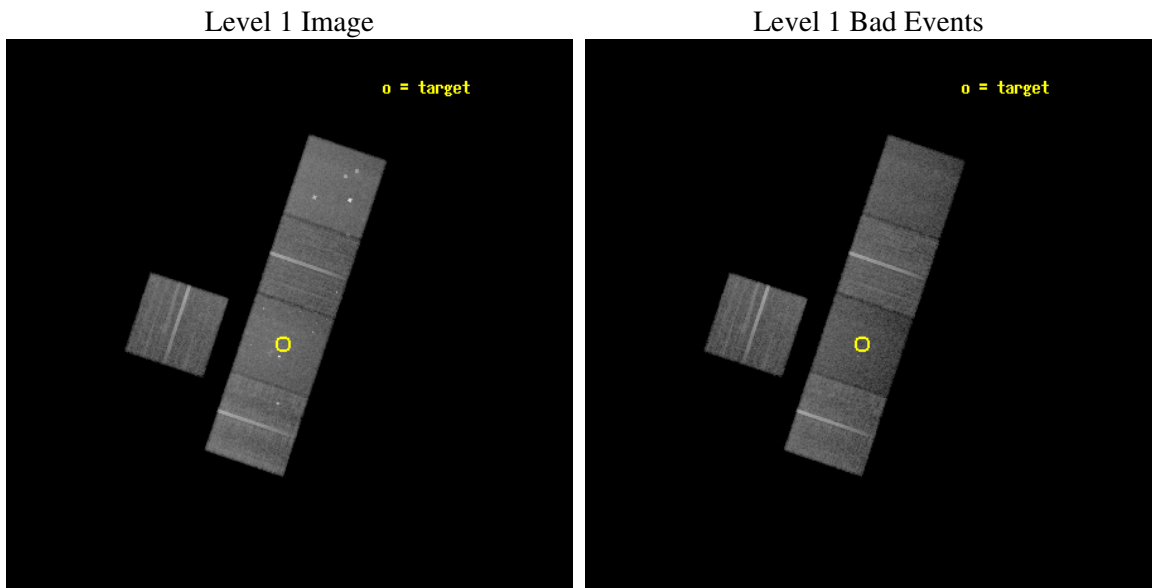
seq_num	900054
obs_id	2483
title	DIFFERENTIAL X-RAY GUNN-PETERSON TEST
observer	Dr. Stephen Murray
object	A2534
dtcycle	0
cycle	P
ra_targ	346.9
dec_targ	-22.695806
ra_nom	346.88899488496
dec_nom	-22.659743813926
roll_nom	108.48520358013
revision	3
ontime	27289.258987278
livetime	26932.704728549
ontime3	27289.258957371
ontime5	27292.399947524
ontime6	27289.258987278
ontime7	27289.258987278
ontime8	27282.977166474
l2events	210911



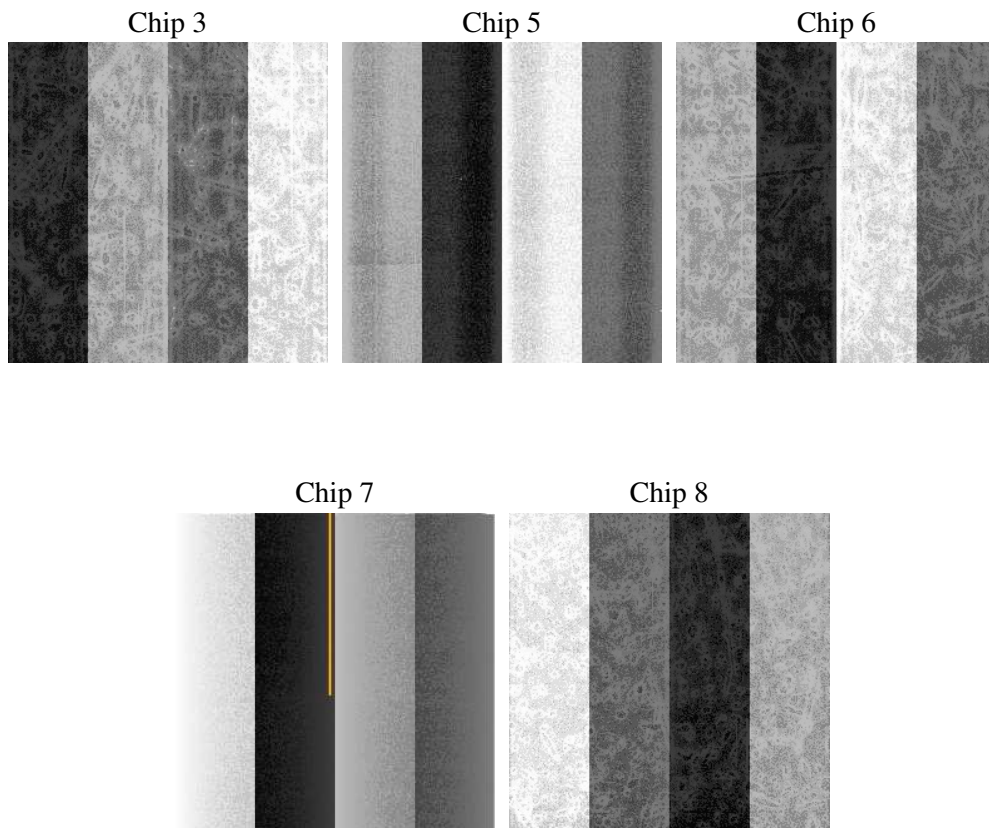
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldsver	3.2.4
date	2006-12-08T07:39:40
revision	3

sched_exp_time	27200.000000
ontime	27295.292184457
ontime3	27295.292154551
ontime5	27298.433144704
ontime6	27295.292184457
ontime7	27295.292184457
ontime8	27289.010363653
l1events	887529

### 2.1.4 Events

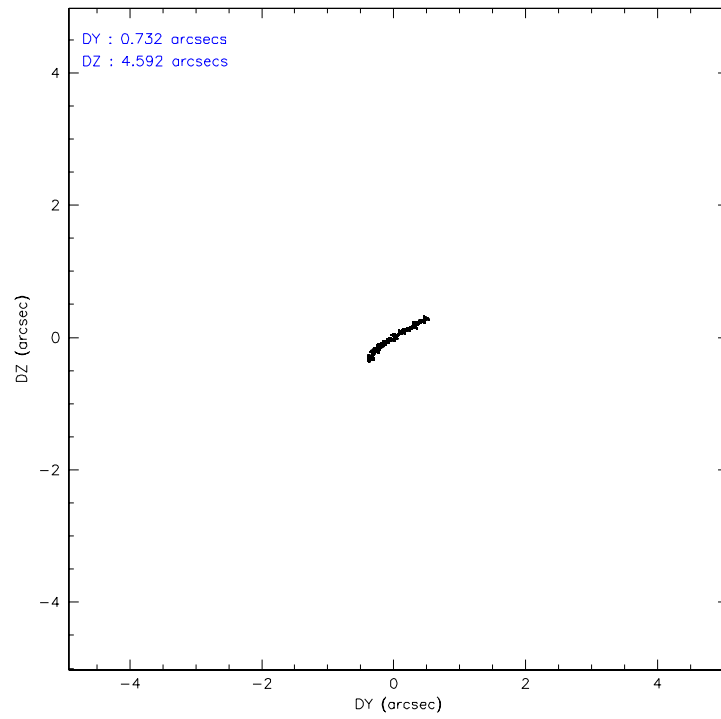
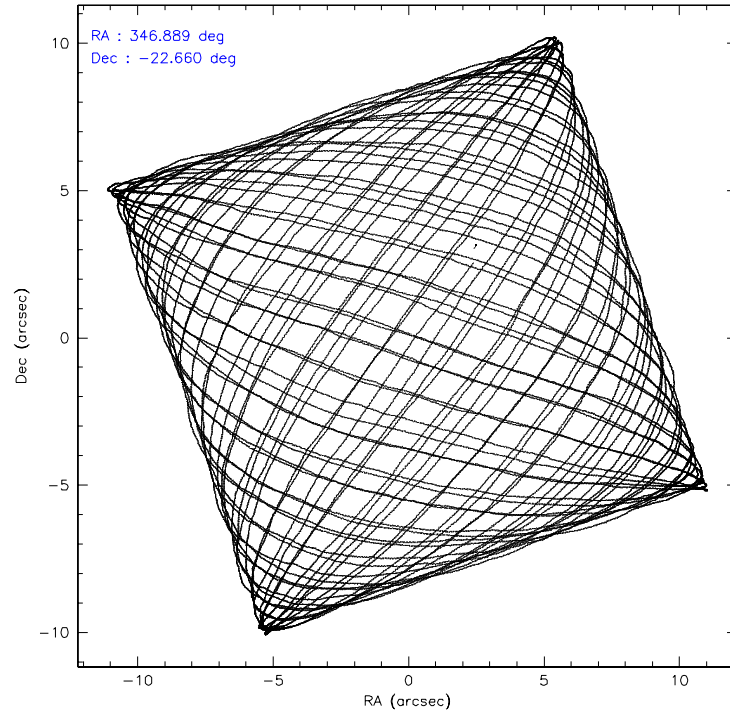
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	157107	199847	162588	172264	195723
rejected events	143200	99979	145738	90936	152217
rejected %	91%	50%	89%	52%	77%

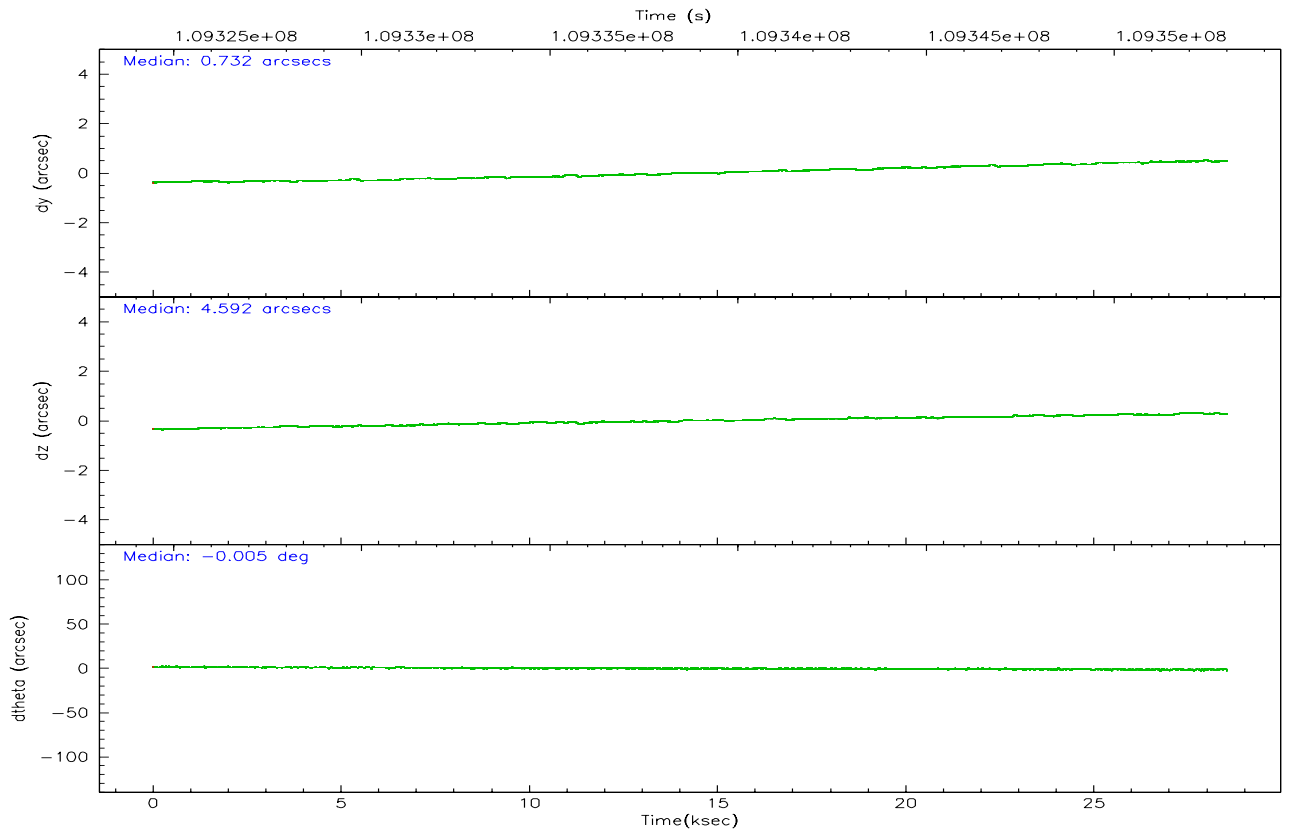
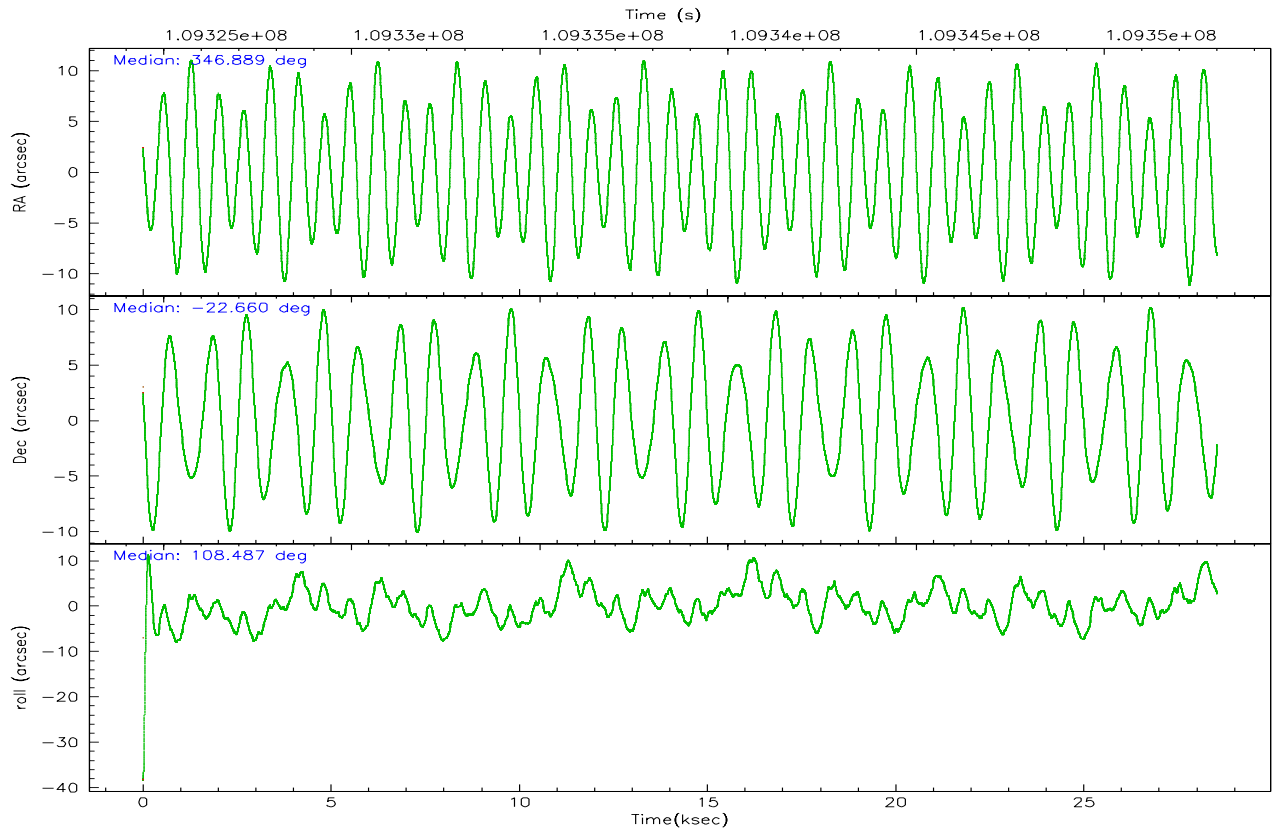
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	5043	14097	6448	8963	13973
	3%	7%	3%	5%	7%
grade 1 events	60	162	68	95	136
	0%	0%	0%	0%	0%
grade 2 events	2840	28695	3420	20252	8995
	1%	14%	2%	11%	4%
grade 3 events	1696	2547	1867	5828	4866
	1%	1%	1%	3%	2%
grade 4 events	1625	2548	1817	5749	4556
	1%	1%	1%	3%	2%
grade 5 events	5036	10259	5543	12849	7634
	3%	5%	3%	7%	3%
grade 6 events	2707	52006	3304	40553	11121
	1%	26%	2%	23%	5%
grade 7 events	138100	89533	140121	77975	144442
	87%	44%	86%	45%	73%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-35678	ACIS-35678	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	346.911351	346.888994884964	Subarray requested	NONE	NONE
Pointing Dec	-22.677589	-22.65974381392626	Alternating exposures requested	N	N
Pointing Roll	108.337213	108.4852035801301	Primary exposure time	0.000000	3.1
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1425803651734			
SIM translation stage offset (mm)	0	0.01005778216563158			
Observation start time	109325797.184000	109324266.77982			
Observation start date	2001-06-19T08:15:33	2001-06-19T07:51:06			
Observation end time	109352997.184000	109353336.29345			
Observation end date	2001-06-19T15:48:53	2001-06-19T15:55:36			
Read mode	TIMED	TIMED			

## 2.3 Aspect





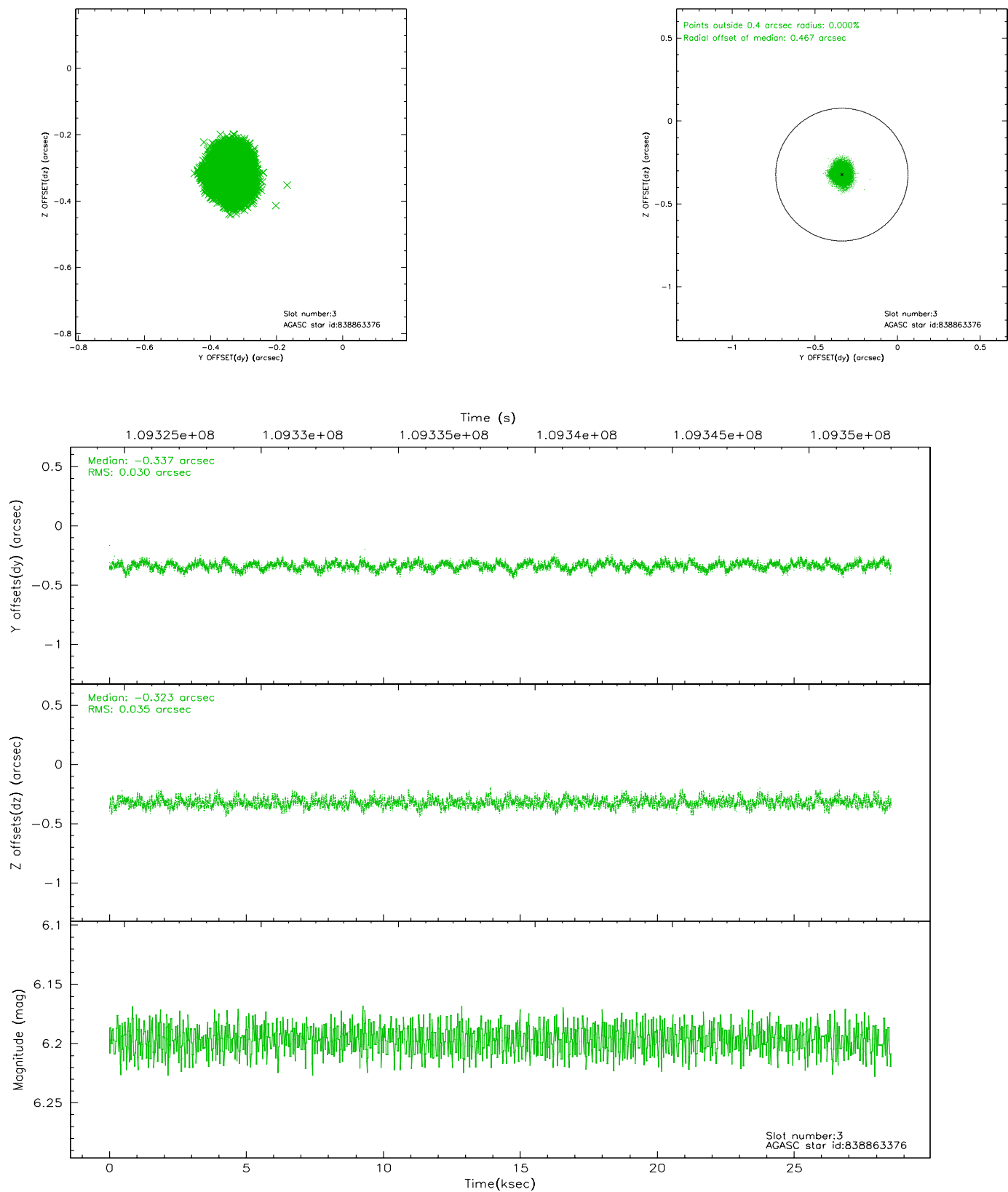
### Slot Statistics

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	6959	-0.028	0.006	0.008	0.013	0.000000	0.000000	-753.34	-1725.64
1	FID	ACIS-S-4	7.20	6958	-0.036	0.012	0.007	0.011	0.000000	0.000000	2159.87	182.80
2	FID	ACIS-S-5	7.24	6960	0.033	-0.009	0.011	0.018	0.000000	0.000000	-1806.03	176.50
3	GUIDE	838863376	6.20	13920	-0.337	-0.323	0.050	0.079	346.356461	-22.486846	1229.22	1536.65
4	GUIDE	913838216	9.13	13918	0.189	-0.115	0.086	0.137	346.779414	-23.159457	-1509.31	960.27
5	GUIDE	913834240	9.25	13915	0.076	0.017	0.079	0.132	346.690223	-22.775802	-104.96	808.17
6	GUIDE	913843072	9.60	13913	0.273	0.170	0.089	0.143	347.177644	-23.136268	-1844.99	-316.85
7	GUIDE	839001536	10.40	13913	-0.200	0.249	0.188	0.313	347.234677	-21.972765	2067.72	-1822.50

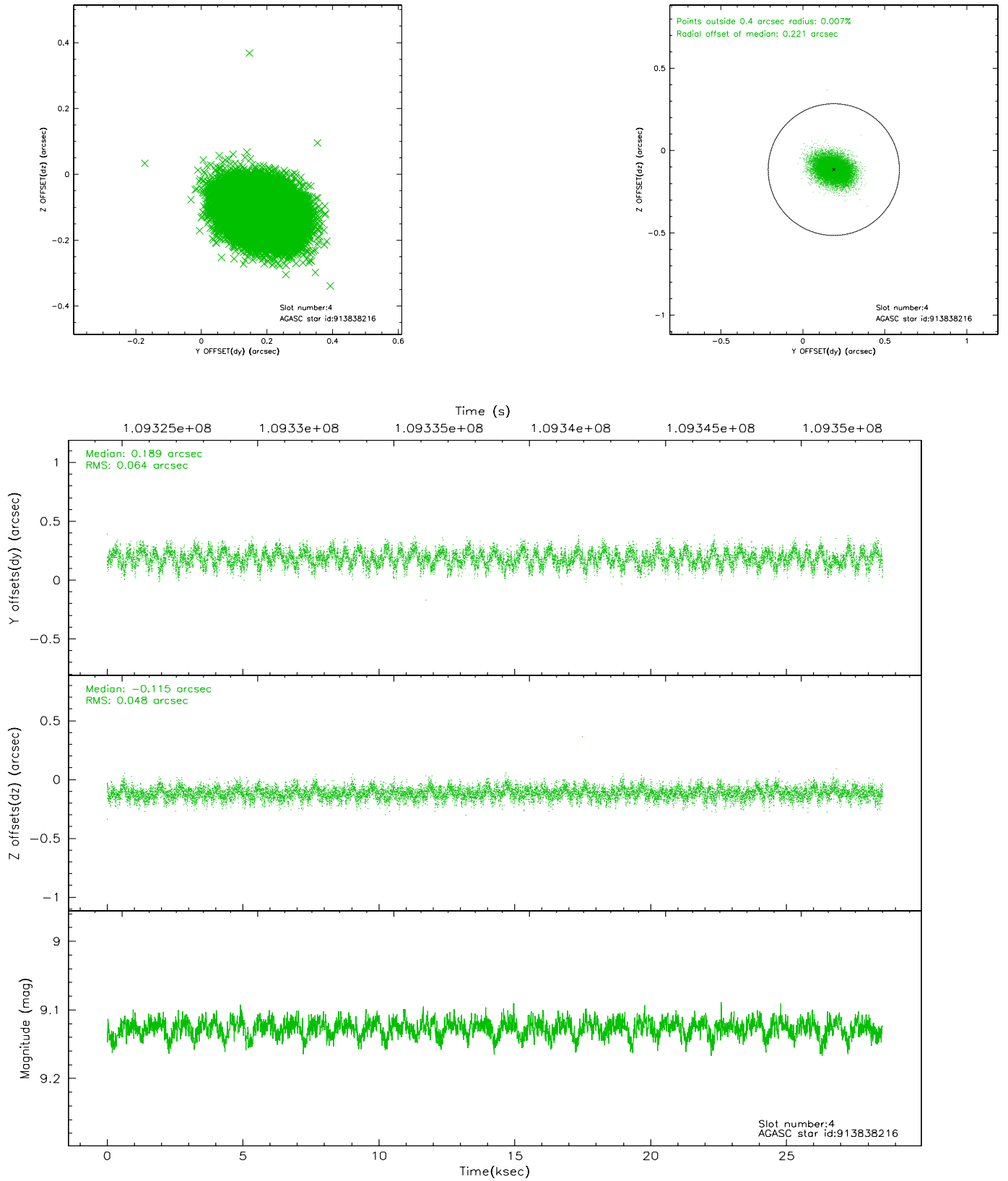


## 2.4 Star Slots

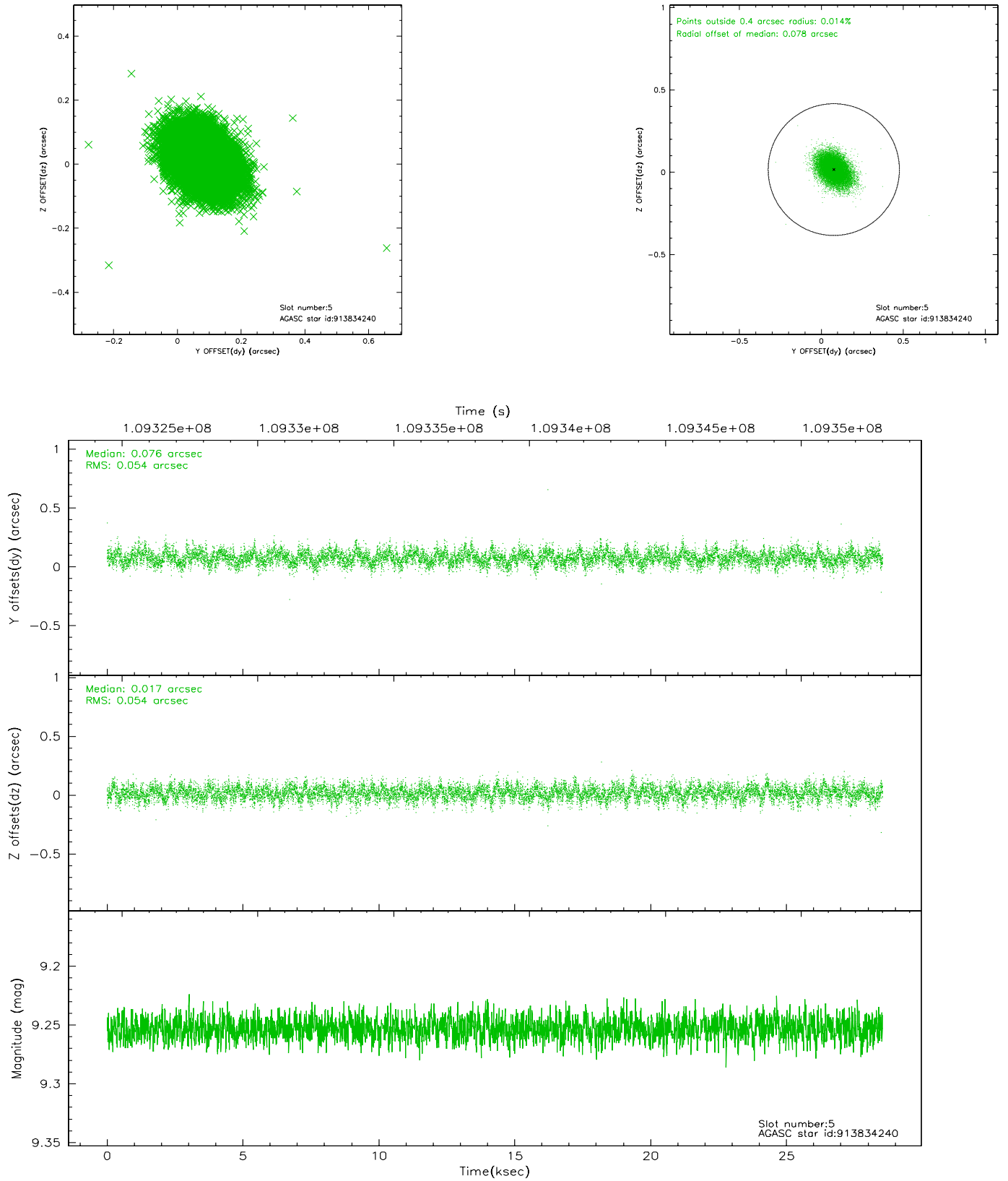
### 2.4.1 Slot 3



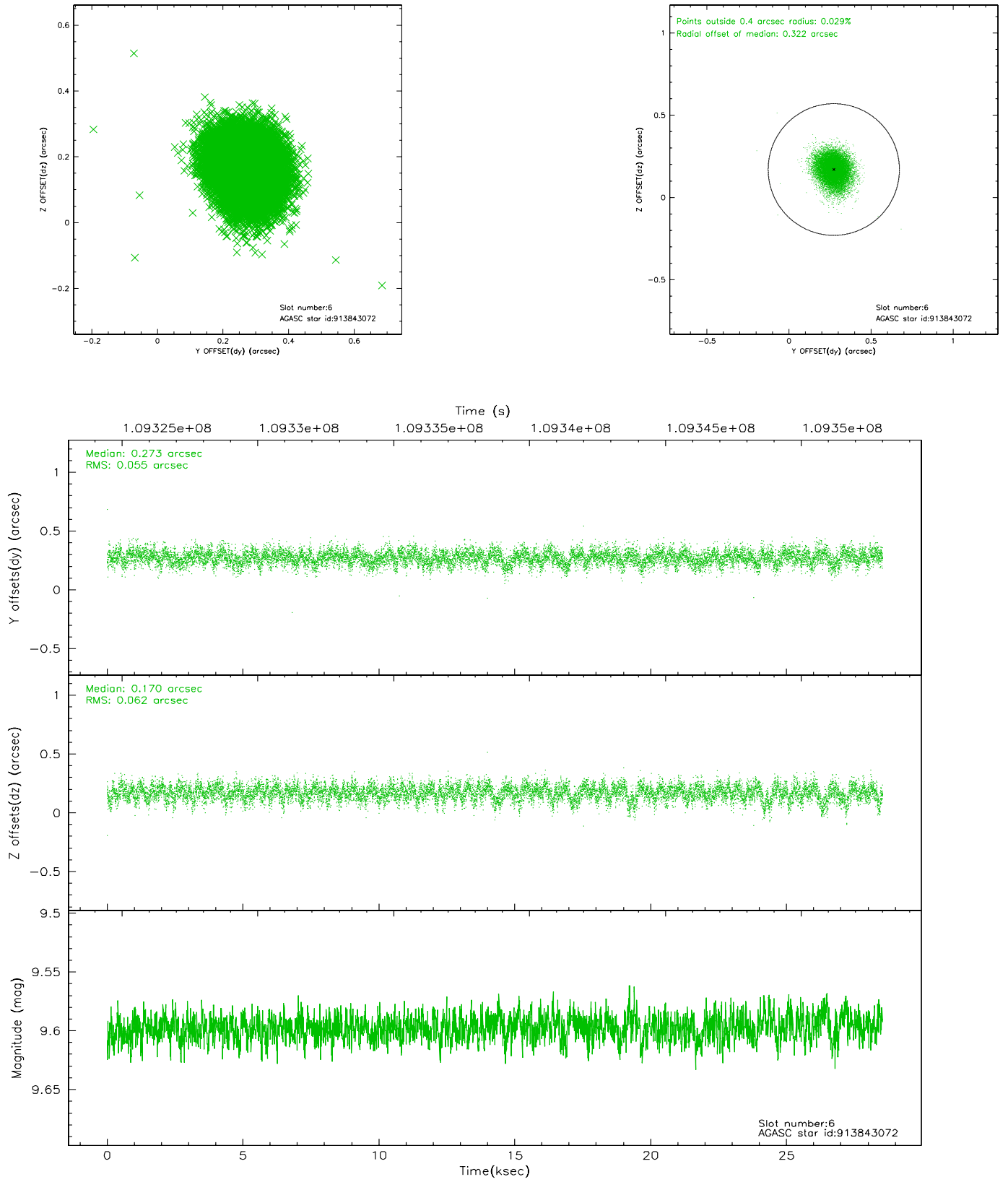
## 2.4.2 Slot 4



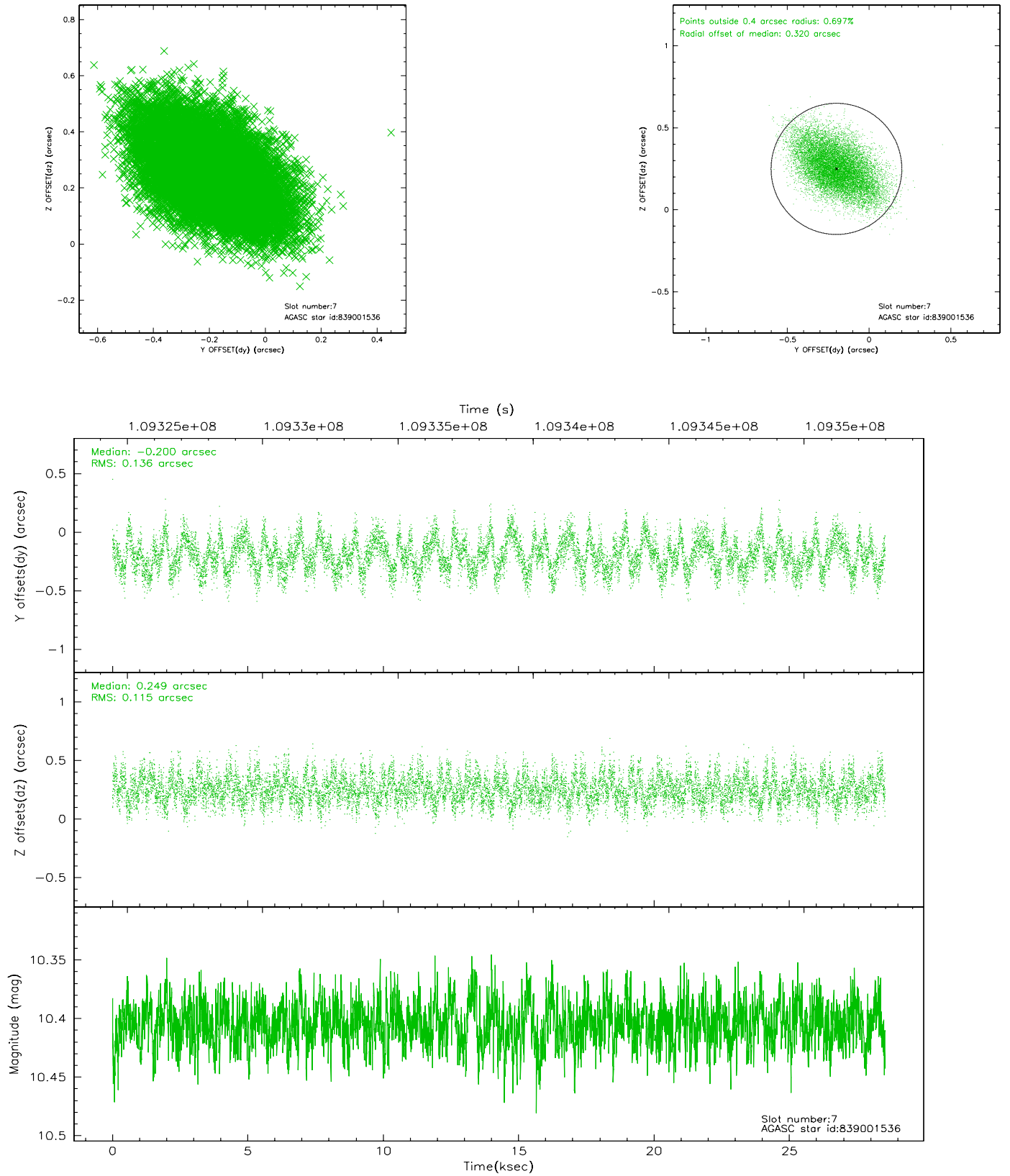
### 2.4.3 Slot 5



## 2.4.4 Slot 6

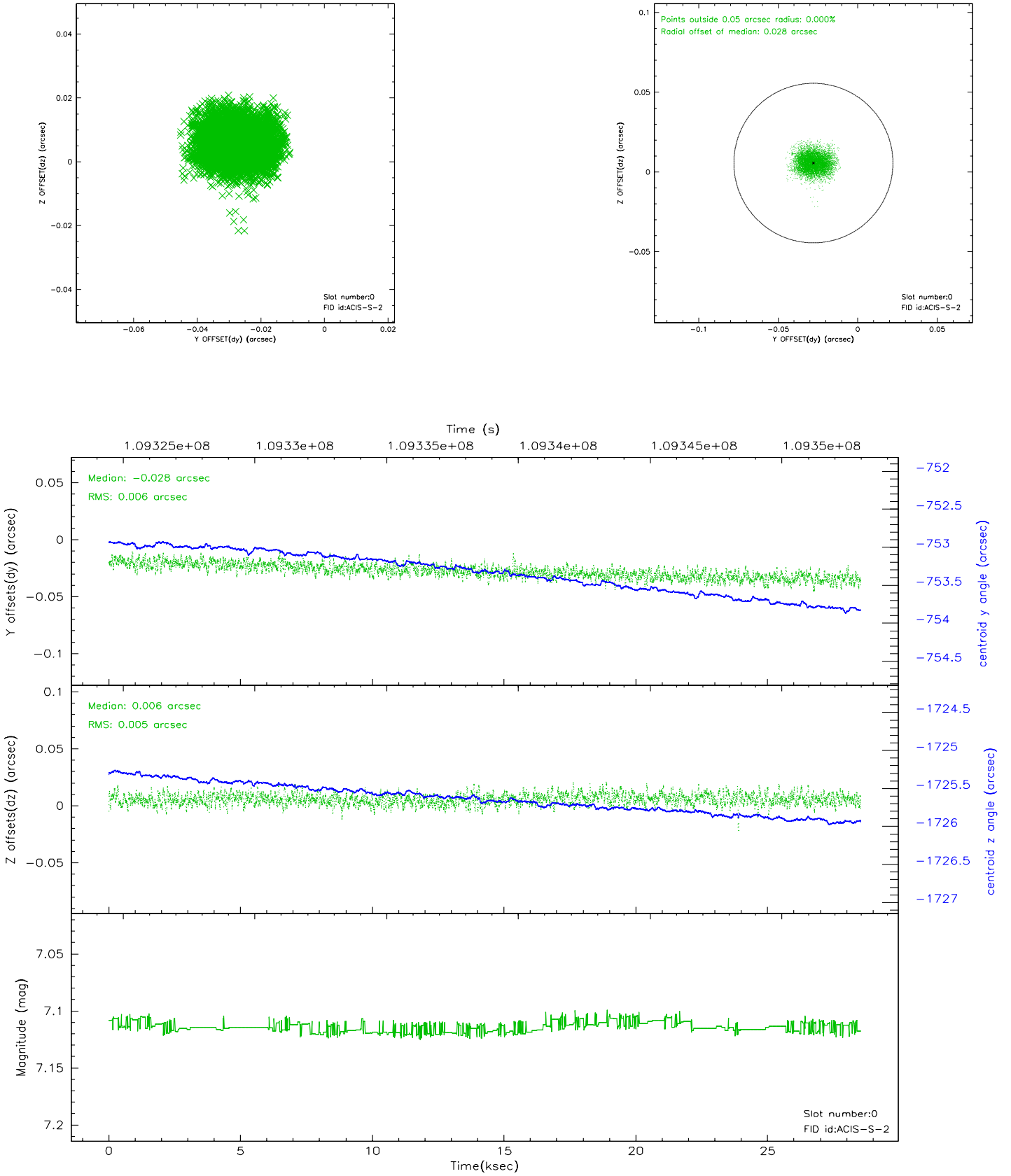


## 2.4.5 Slot 7

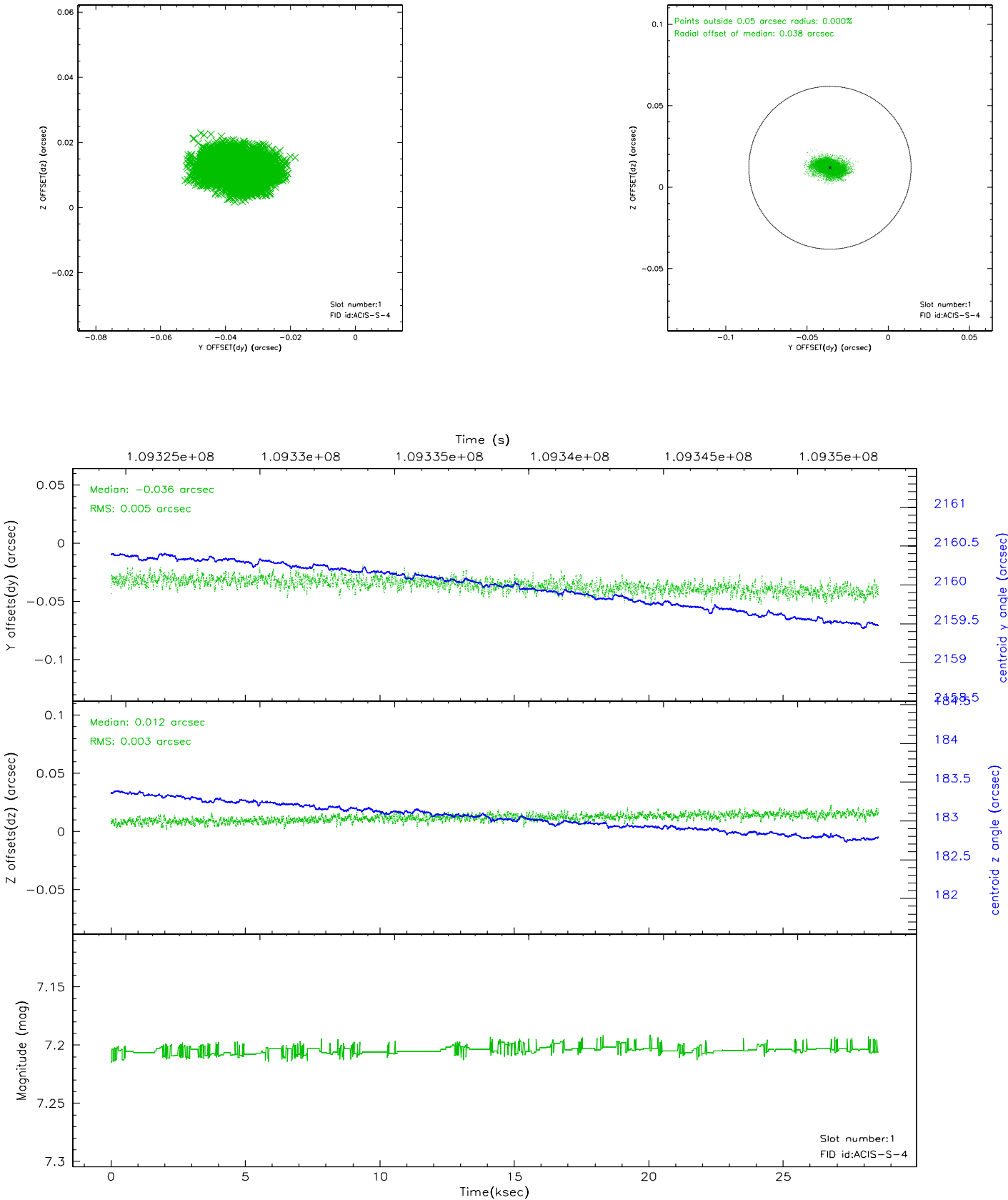


## 2.5 FID Slots

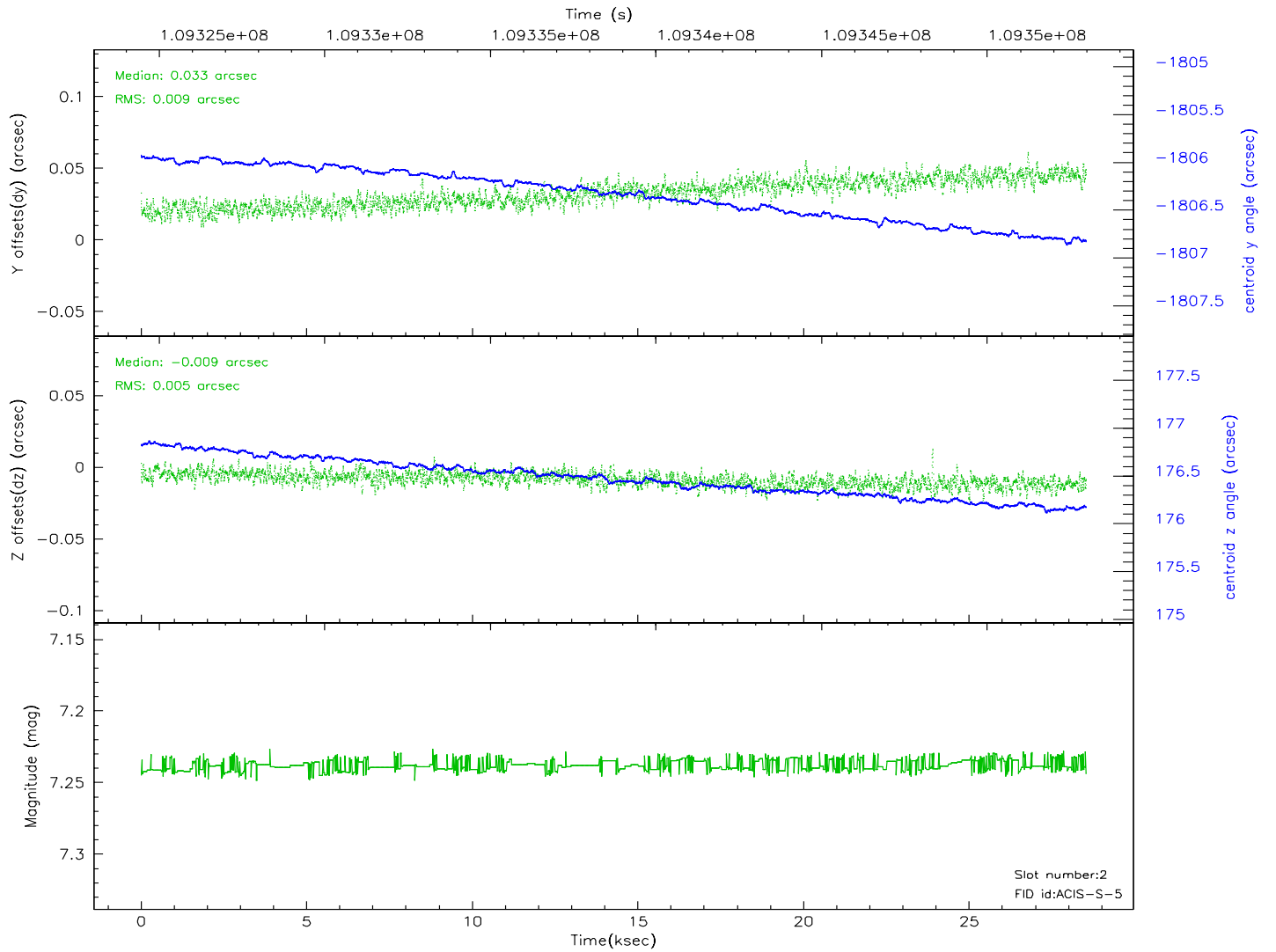
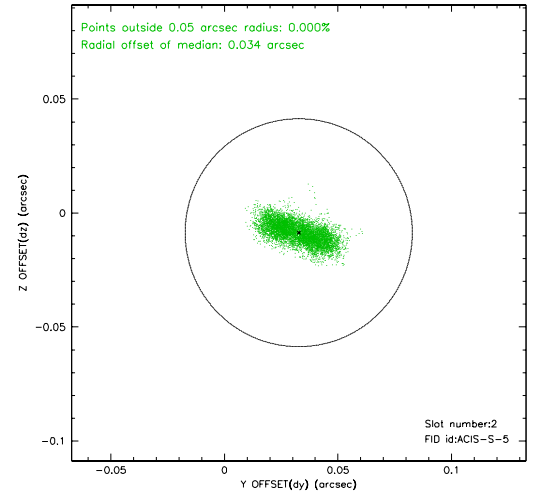
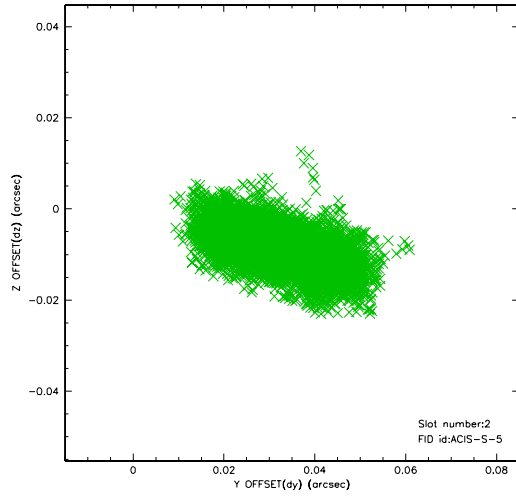
### 2.5.1 Slot 0



2.5.2 Slot 1

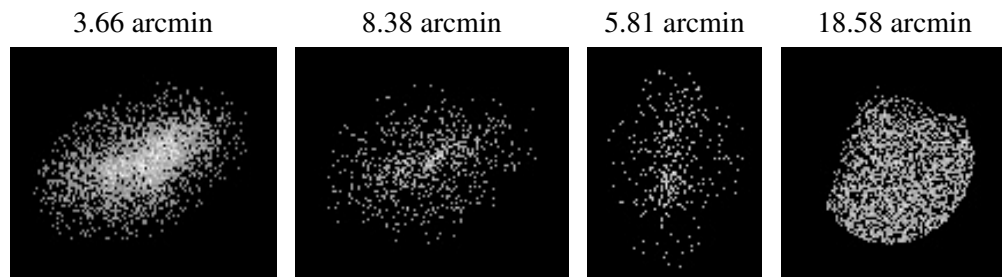


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.12.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	27.3

### A.2 Comments