

# V&V Reference Report

## L2 ASCDS Version : 7.6.7

Observation 6032 - L2 Version 002  
Chandra X-Ray Center

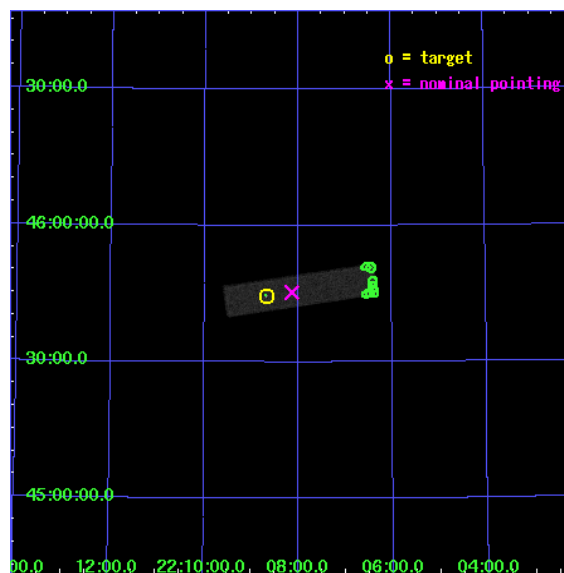
L2 Processing Date: Feb 22 2006

## 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	Parameters . . . . .	4
2.1.3	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

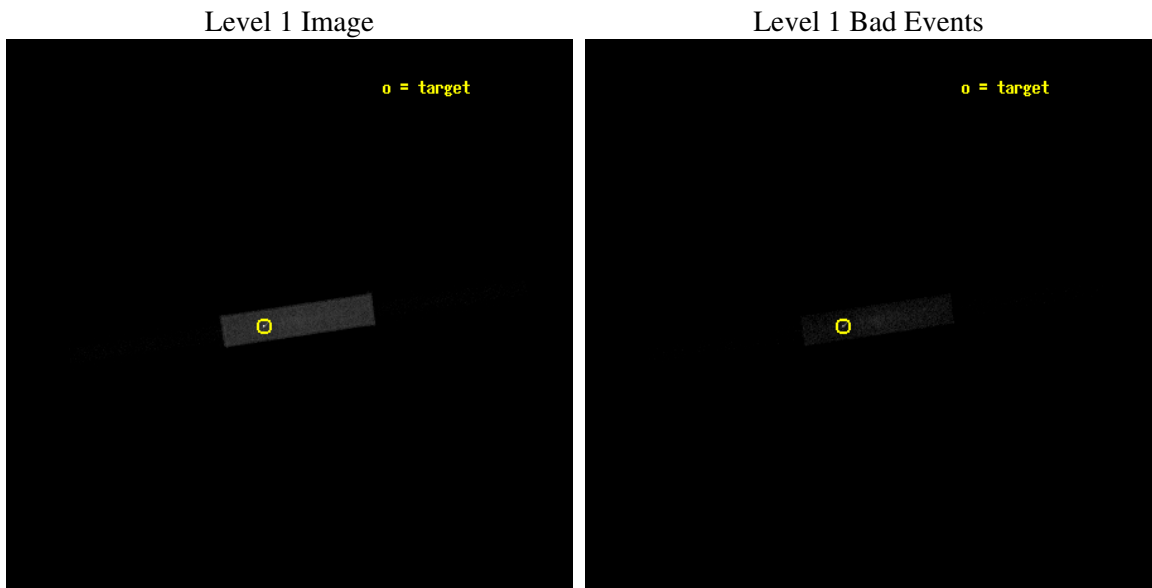
seq_num	290524
obs_id	6032
title	AO6A Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain
observer	Dr. CXC Calibration
object	ArLac
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.03401310906
dec_nom	45.755534721984
roll_nom	351.49682905216
revision	2
ontime	1155.4313022792
livetime	1148.2884626133
l2events	48014



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	0
ascdsver	7.6.7
caldbver	3.2.1
date	2006-02-22T21:42:01
revision	2

sched_exp_time	1000.000000
ontime	1186.9500537217
l1events	81296

### 2.1.3 Events

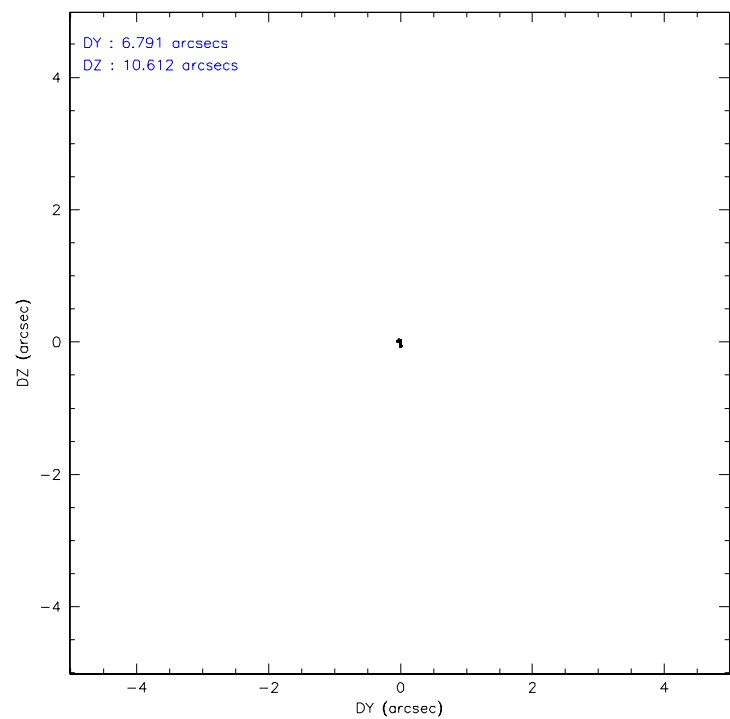
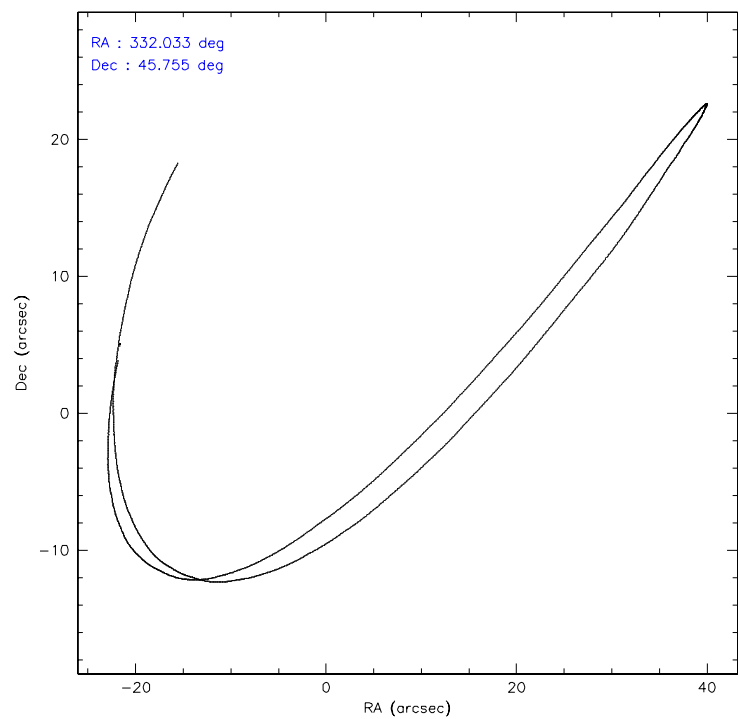
Level 1 Events

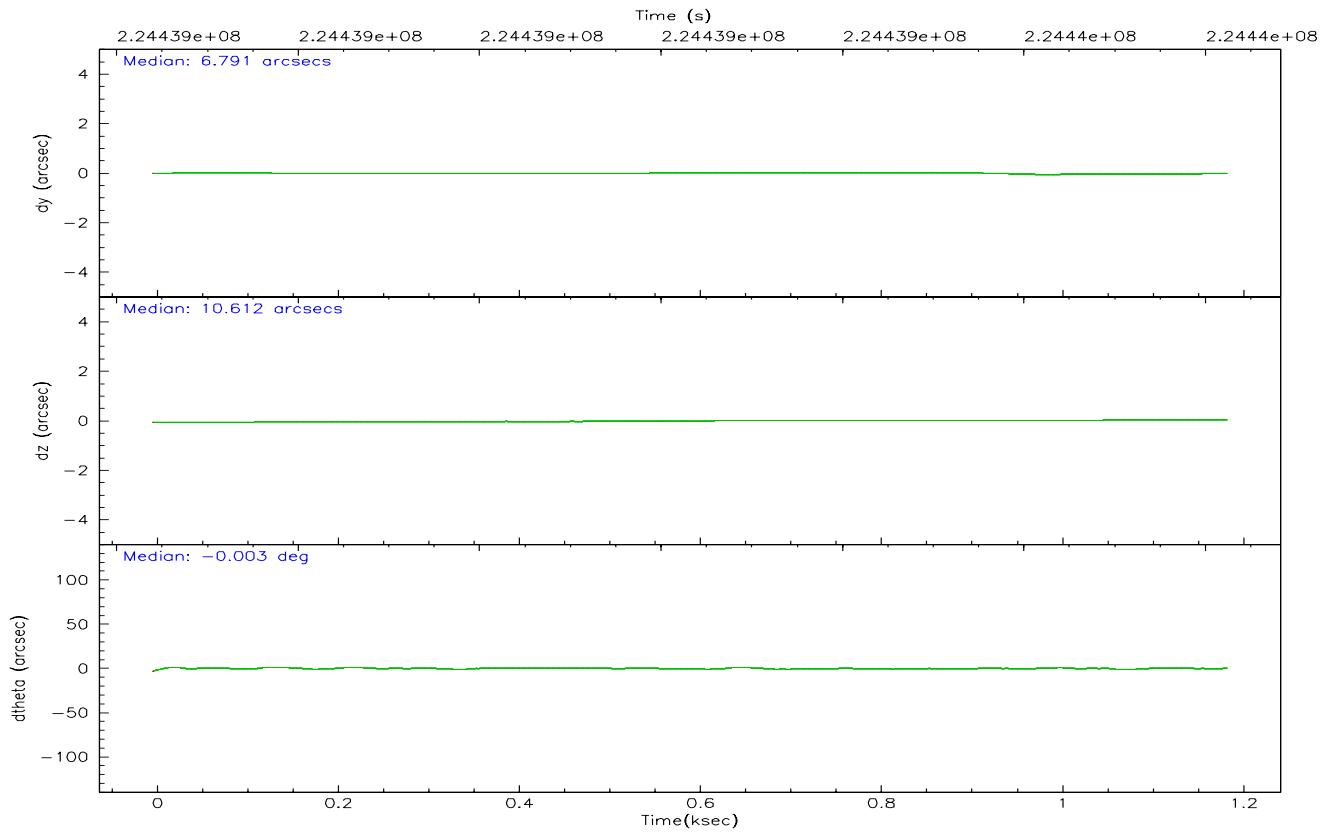
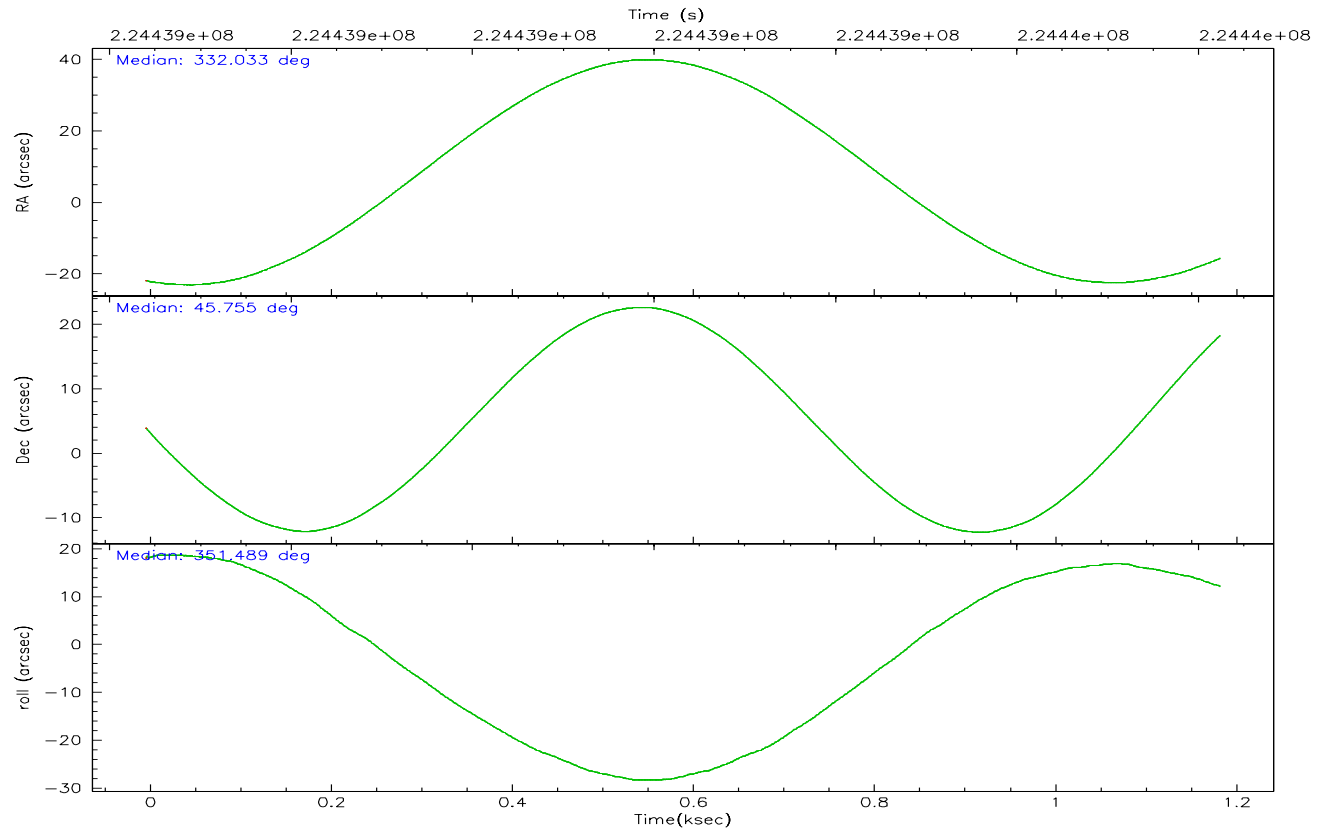
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	656	79960	680
rejected events	656	28665	680
rejected %	100%	35%	100%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	6	6
Detector	HRC-S	HRC-S	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
Pointing RA	331.997575	332.0340131090622			
Pointing Dec	45.744671	45.75553472198404			
Pointing Roll	351.455611	351.4968290521563			
SIM focus pos (mm)	-1.429586	-1.428180813131781			
SIM defocus (mm)	0.1037507710433287	0.1051558262725154			
SIM translation stage pos (mm)	250.455976	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	224438823.184000	224438446.95812			
Observation start date	2005-02-10T16:05:59	2005-02-10T16:00:46			
Observation end time	224439823.184000	224439956.78319			
Observation end date	2005-02-10T16:22:39	2005-02-10T16:25:56			

2.3 Aspect





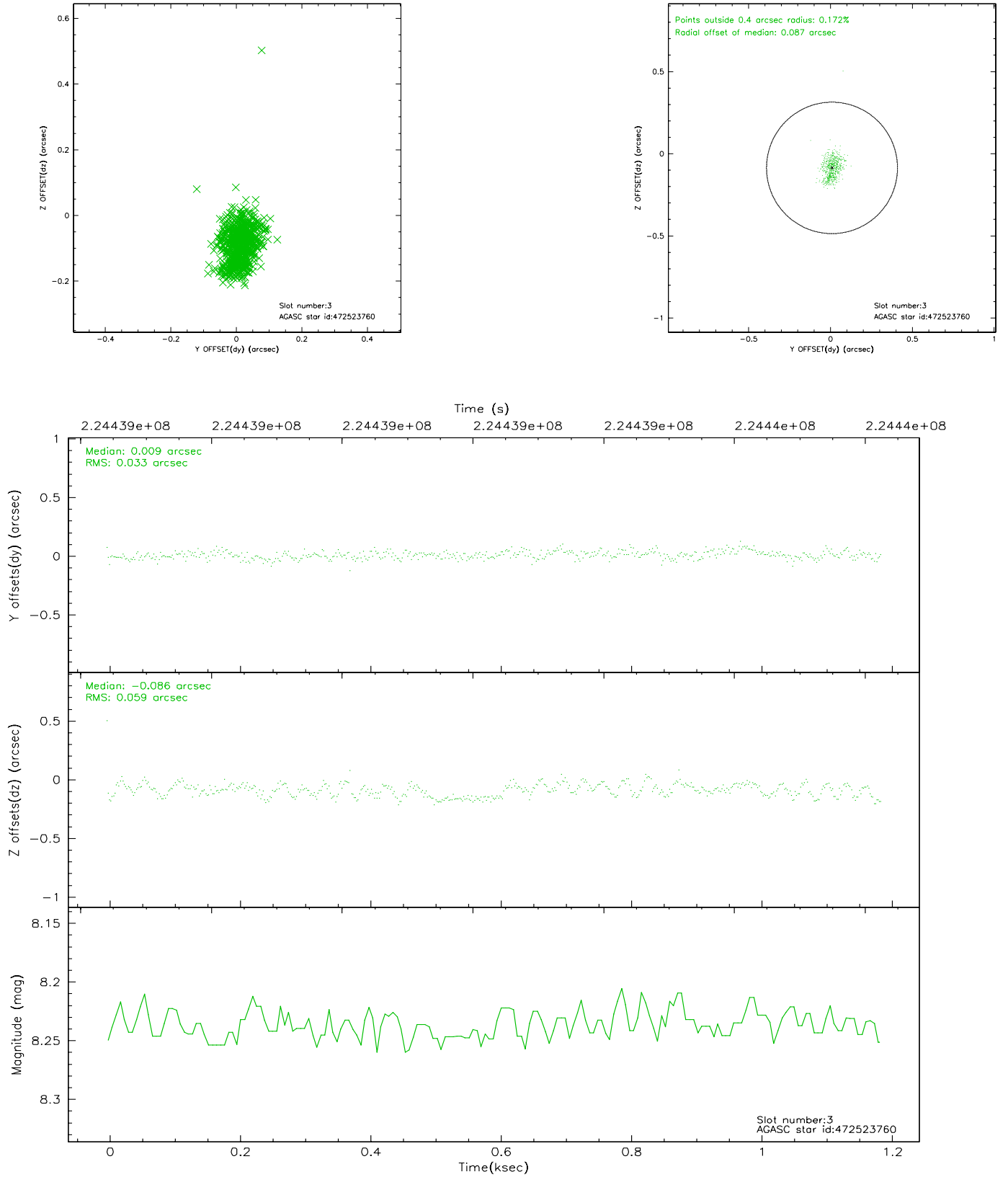
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.03	290	0.114	-0.183	0.007	0.011	0.000000	0.000000	-1160.95	-459.31
1	FID	HRC-S-2	7.02	290	0.185	-0.117	0.005	0.009	0.000000	0.000000	1234.80	-453.50
2	FID	HRC-S-3	7.04	290	0.092	-0.002	0.006	0.010	0.000000	0.000000	-1159.42	568.84
3	GUIDE	472523760	8.24	580	0.009	-0.086	0.068	0.105	331.645363	45.403260	-696.16	-1342.03
4	GUIDE	472535576	7.85	580	0.038	0.067	0.056	0.089	331.438373	46.291802	-1668.71	1747.48
5	GUIDE	472536328	8.13	580	-0.001	-0.007	0.066	0.123	331.496671	46.454831	-1610.53	2354.27
6	GUIDE	472665256	9.01	580	-0.027	0.034	0.103	0.198	332.808125	46.195041	1753.68	1921.96
7	GUIDE	472527720	6.99	579	-0.009	-0.017	0.074	0.109	331.460205	45.112509	-1007.61	-2441.71

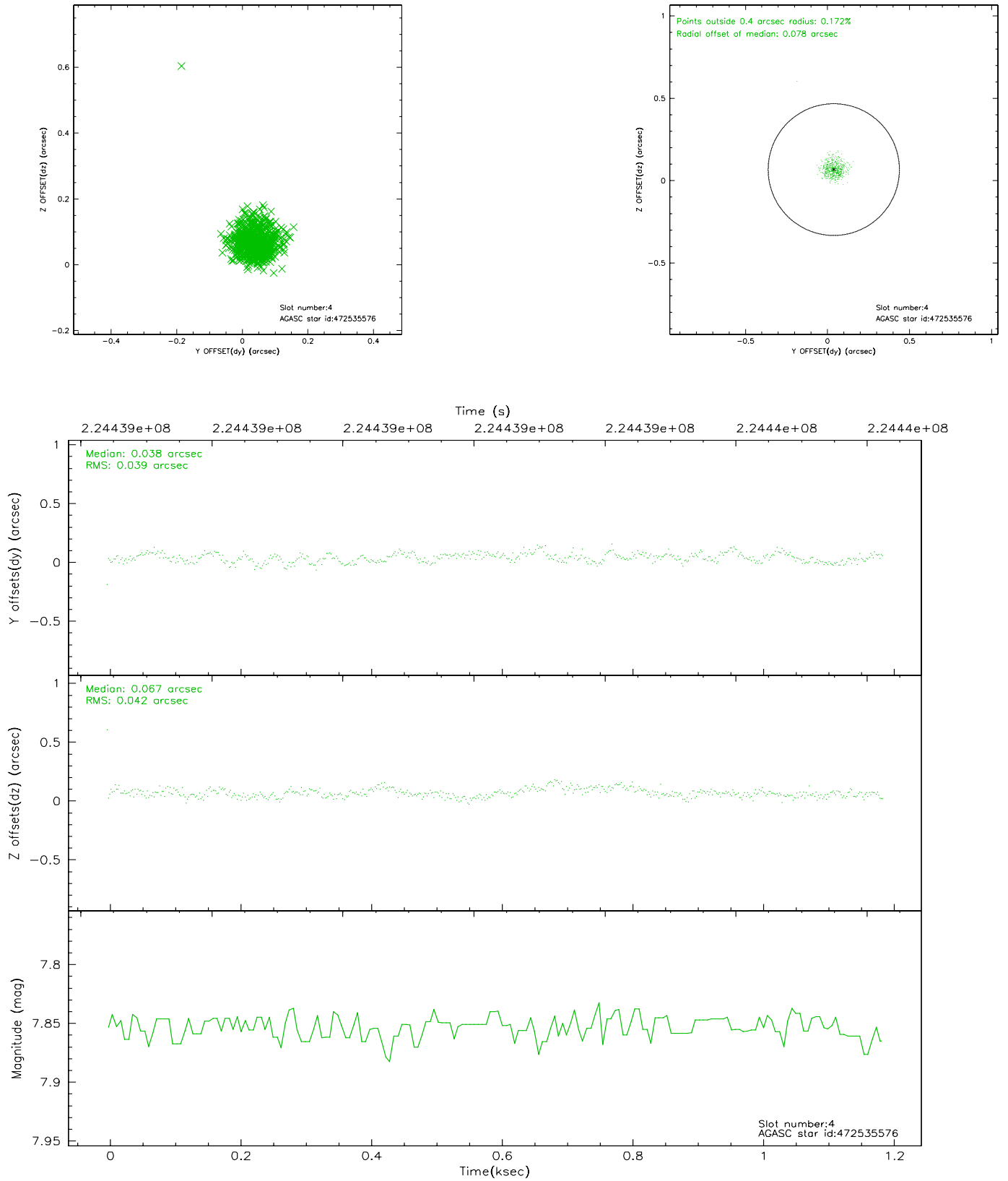


## 2.4 Star Slots

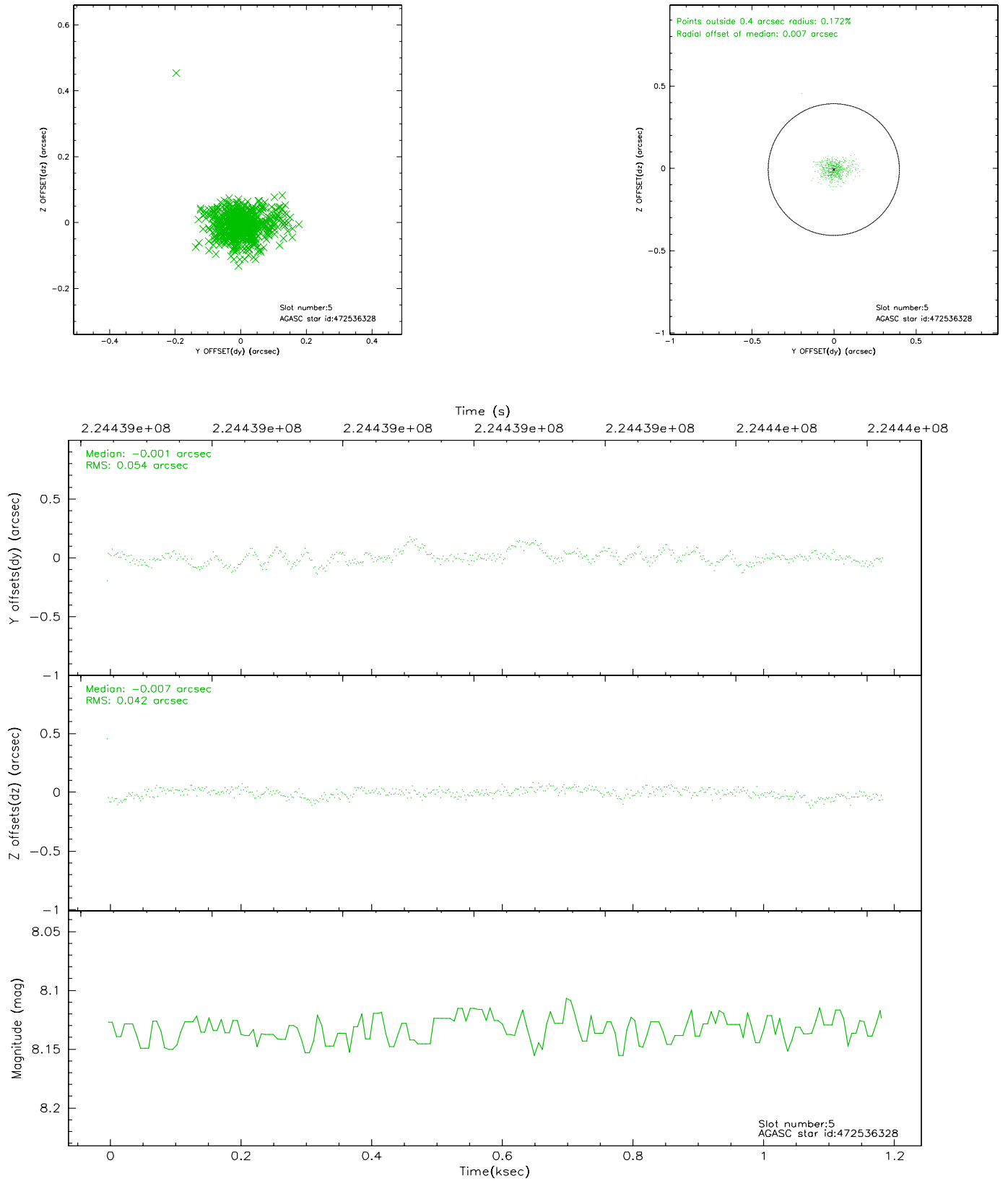
### 2.4.1 Slot 3



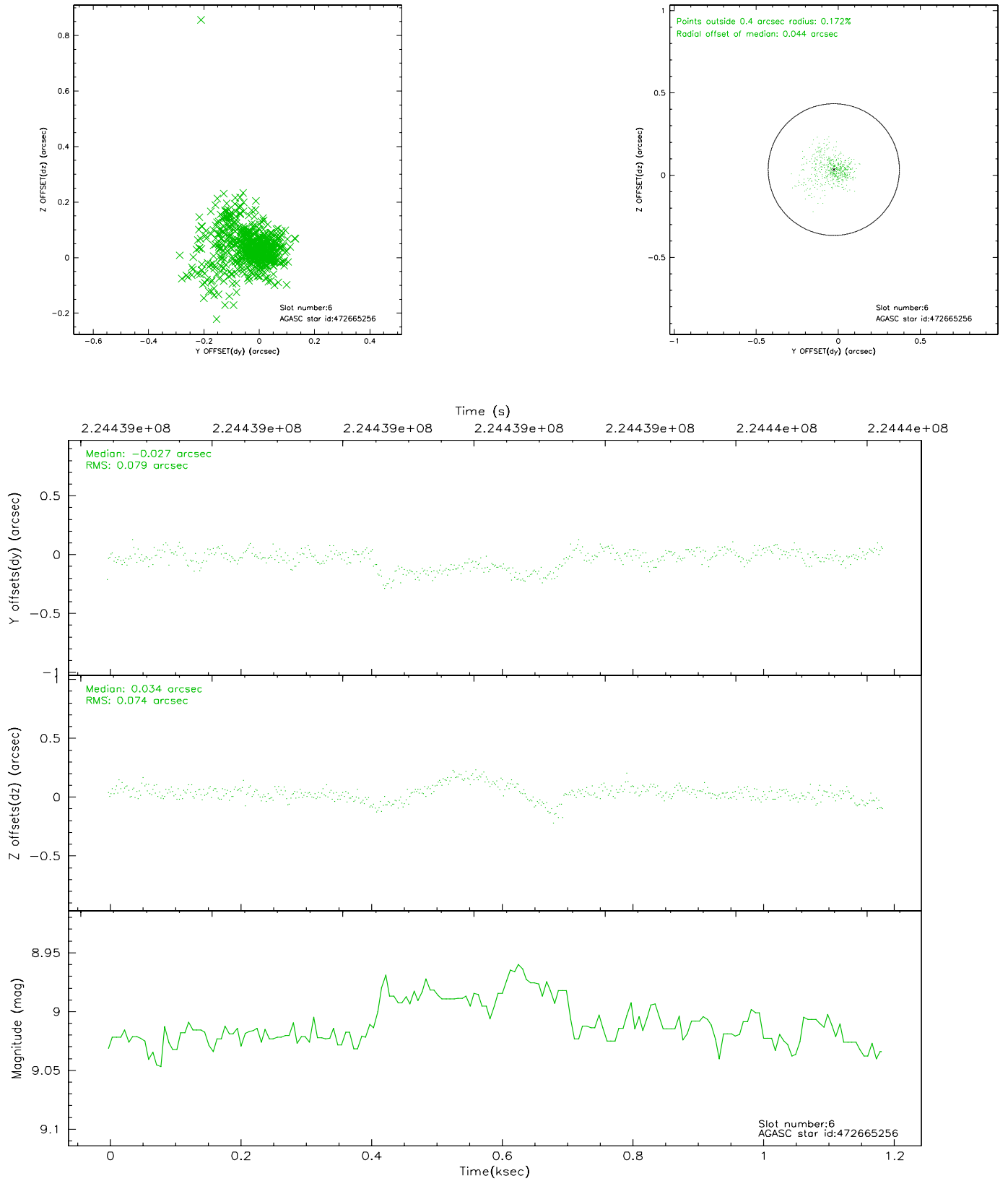
## 2.4.2 Slot 4



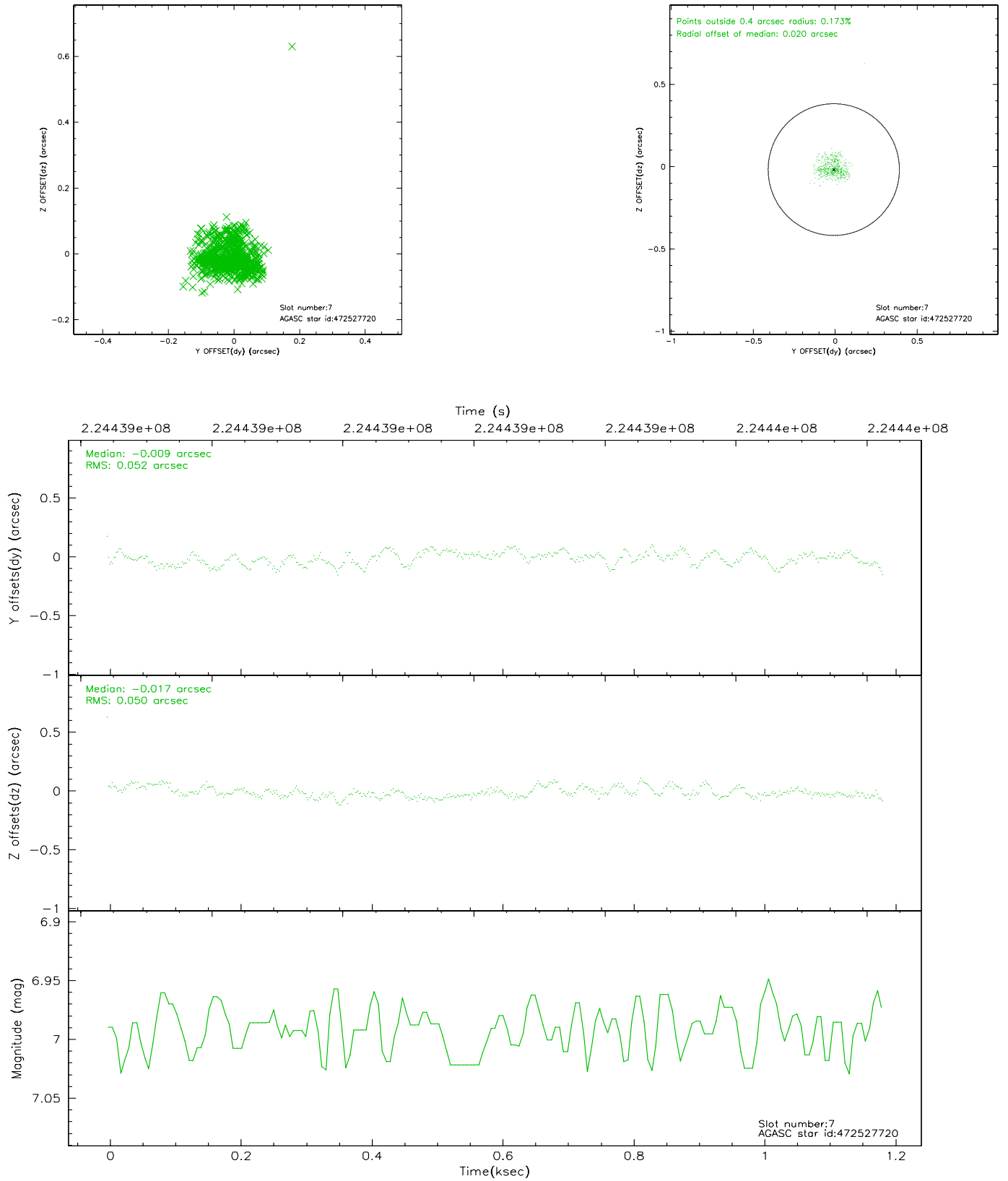
### 2.4.3 Slot 5



## 2.4.4 Slot 6

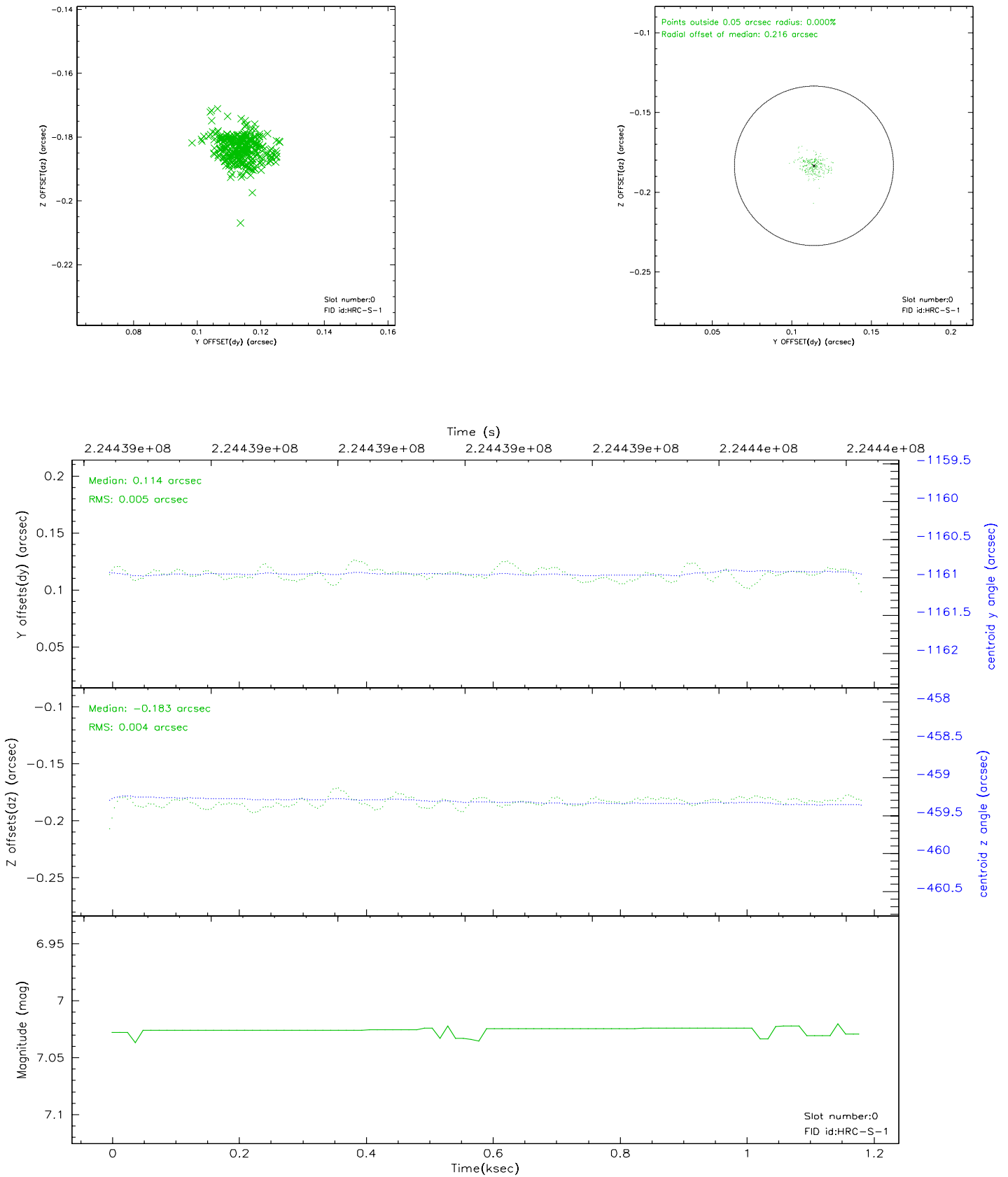


## 2.4.5 Slot 7

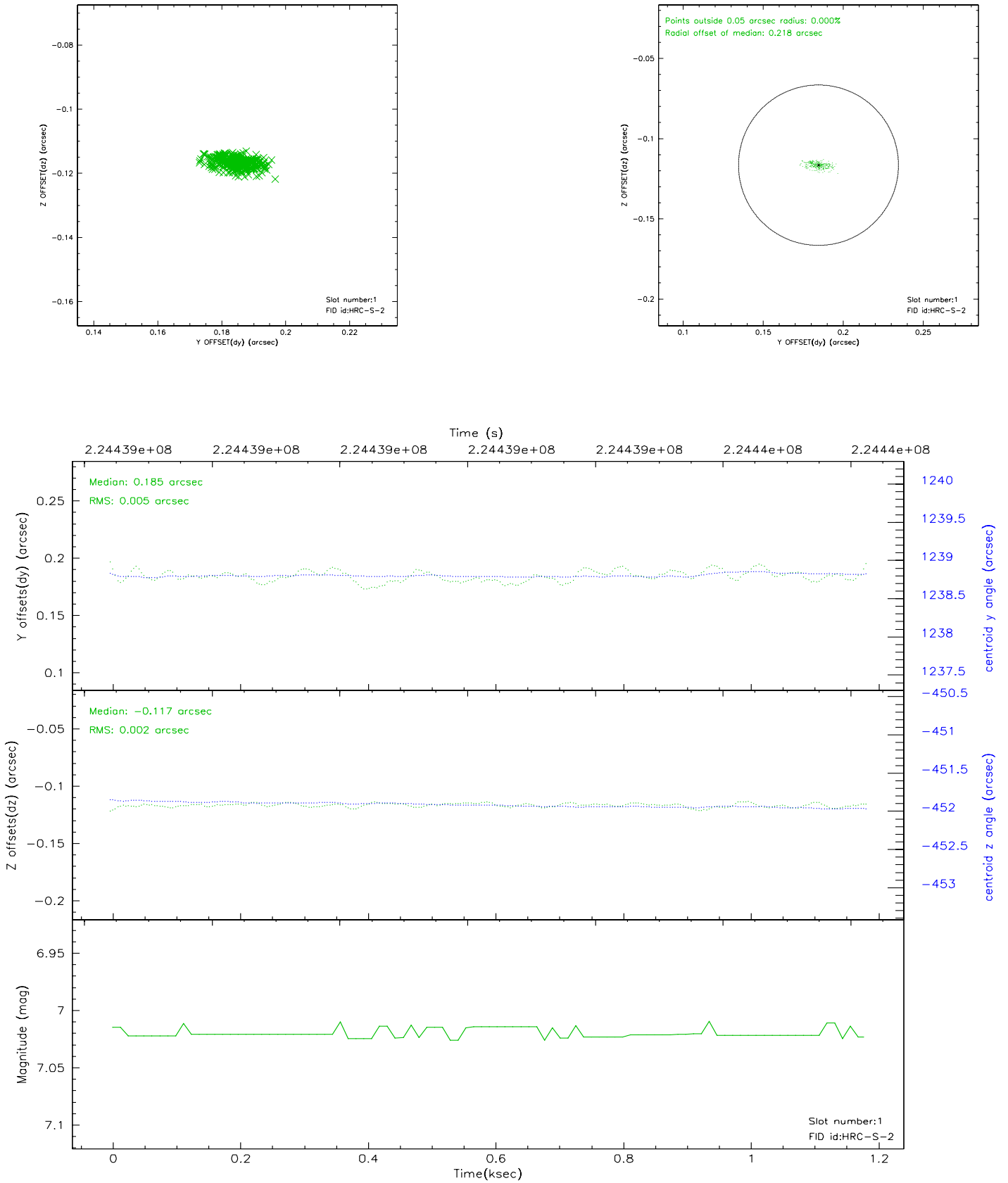


## 2.5 FID Slots

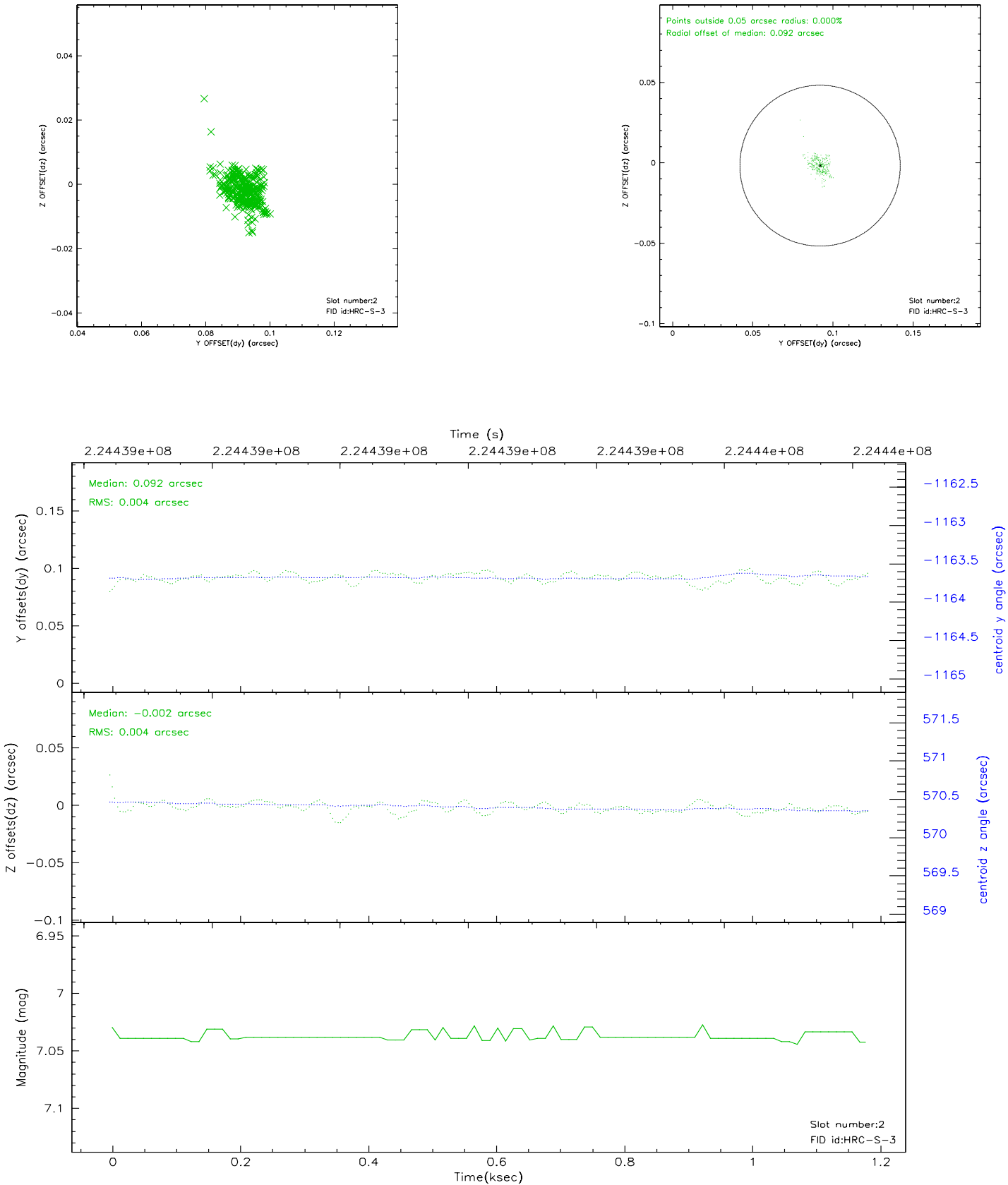
### 2.5.1 Slot 0



## 2.5.2 Slot 1

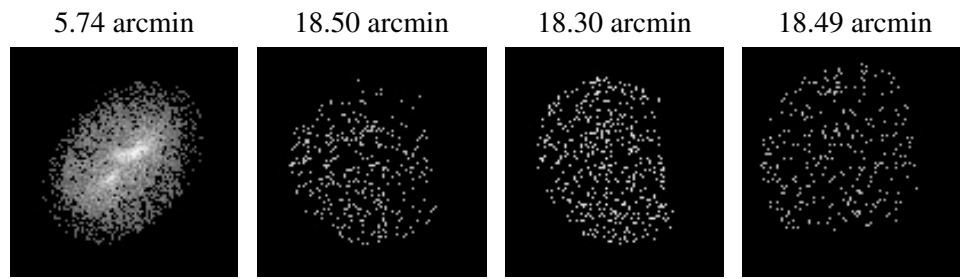


2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.02.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.155431

### A.2 Comments