

# V&V Reference Report

## L2 ASCDS Version : 7.6.7

Observation 6040 - L2 Version 002  
Chandra X-Ray Center

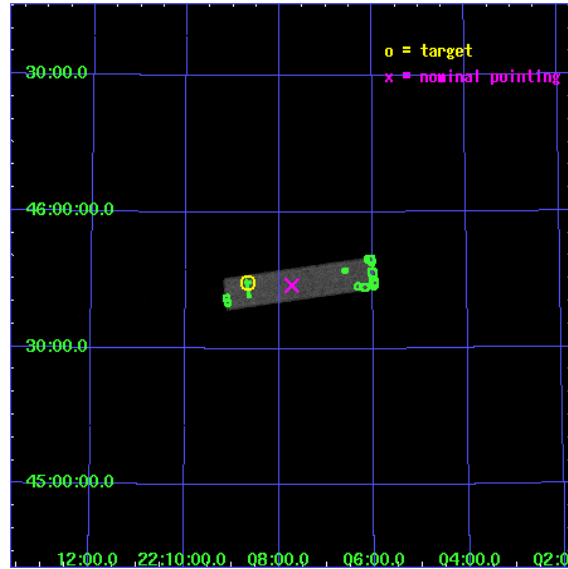
L2 Processing Date: Feb 22 2006

## 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

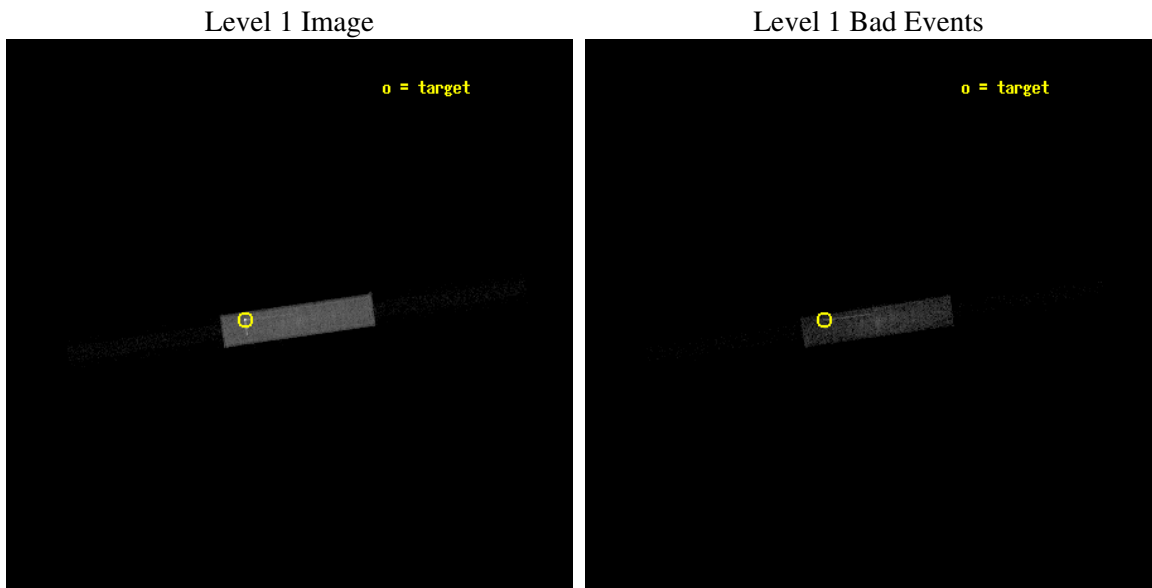
seq_num	290532
obs_id	6040
title	AO6A Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain
observer	Dr. CXC Calibration
object	ArLac
ra_targ	332.17
dec_targ	45.742306
ra_nom	331.93291262802
dec_nom	45.732768452297
roll_nom	351.76124671925
revision	2
ontime	1159.5313024223
livetime	1152.2910634631
l2events	47859



## 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	2006-02-22T23:13:33
revision	2

sched_exp_time	1000.000000
ontime	1189.2563037574
l1events	81289

### 2.1.3 Events

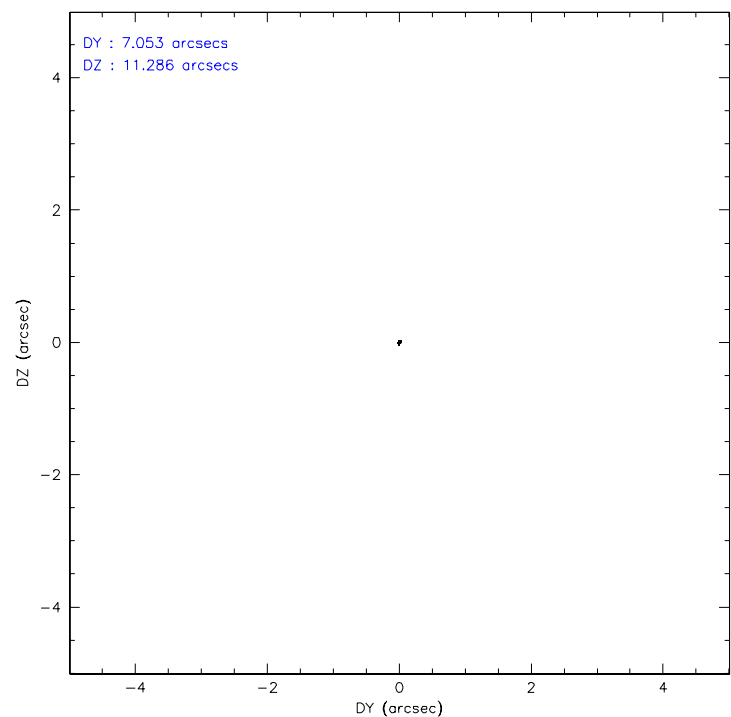
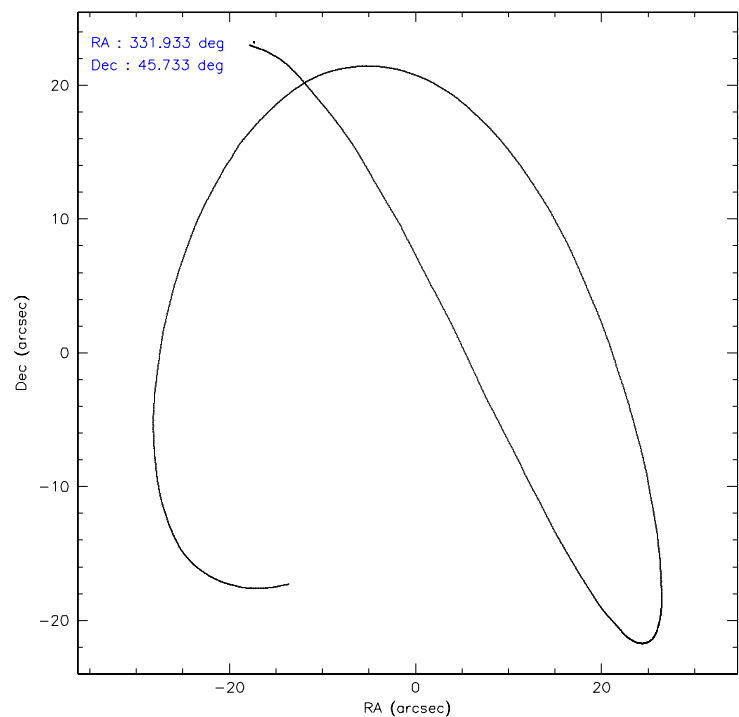
Level 1 Events

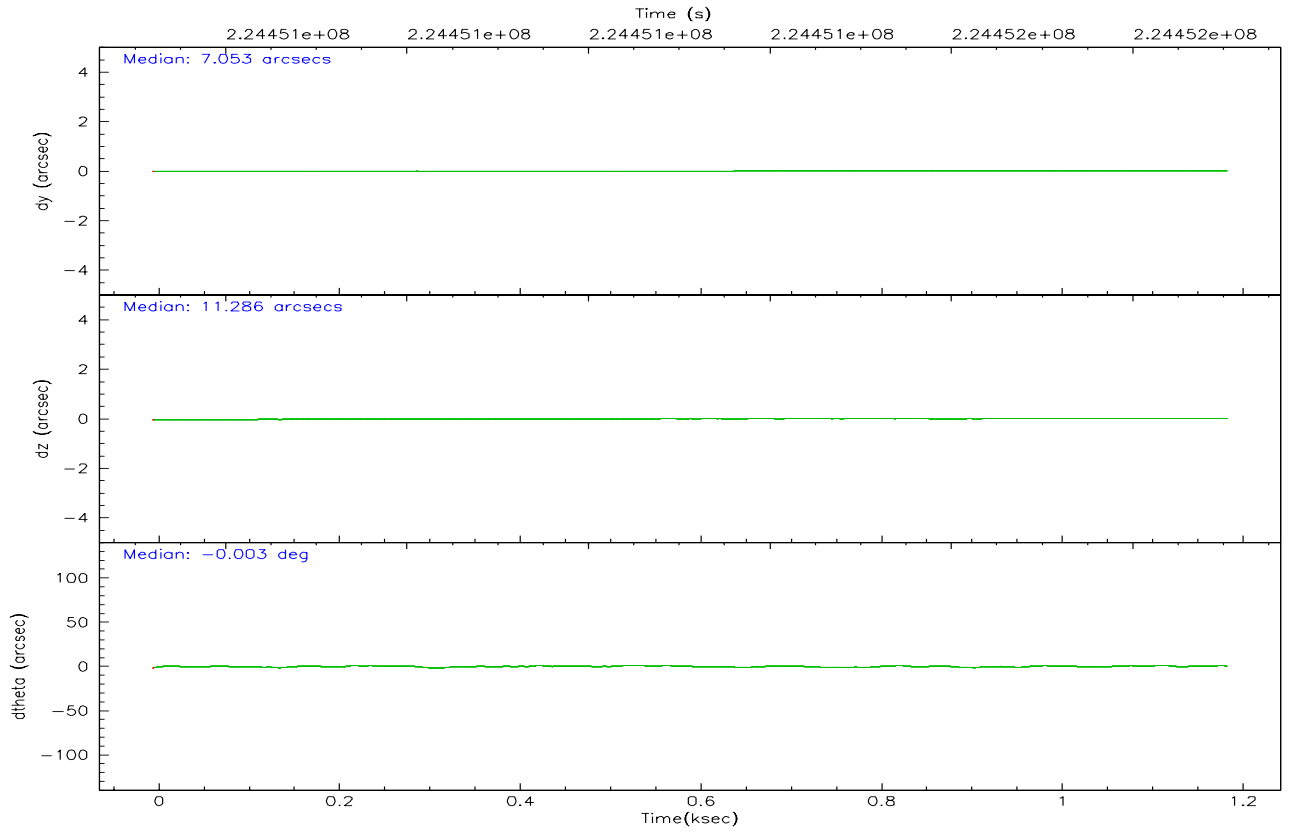
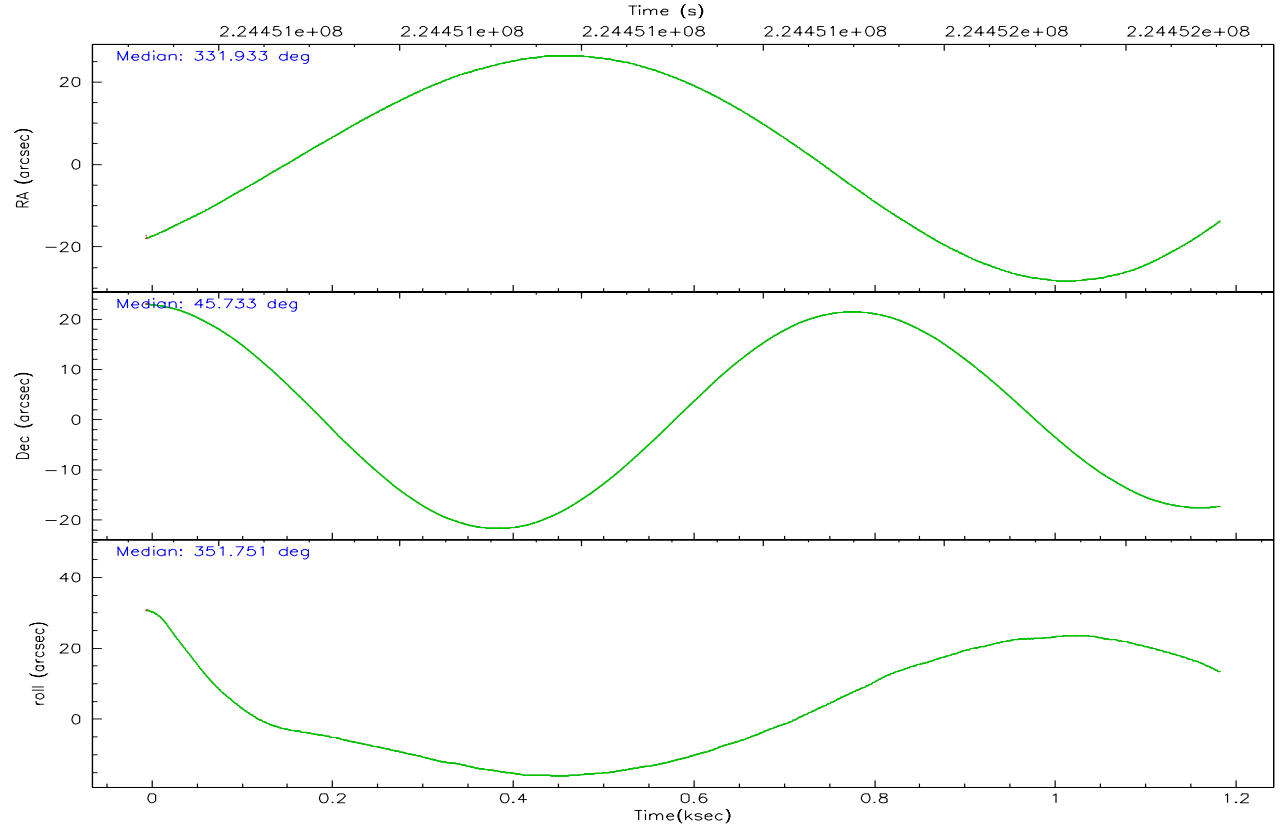
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	712	79850	727
rejected events	712	28487	723
rejected %	100%	35%	99%

## 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	331.896153	331.9329126280189			
Pointing Dec	45.720924	45.73276845229745			
Pointing Roll	351.720080	351.7612467192529			
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	224450903.184000	224450526.58367			
Observation start date	2005-02-10T19:27:19	2005-02-10T19:22:06			
Observation end time	224451903.184000	224452036.40874			
Observation end date	2005-02-10T19:43:59	2005-02-10T19:47:16			

2.3 Aspect





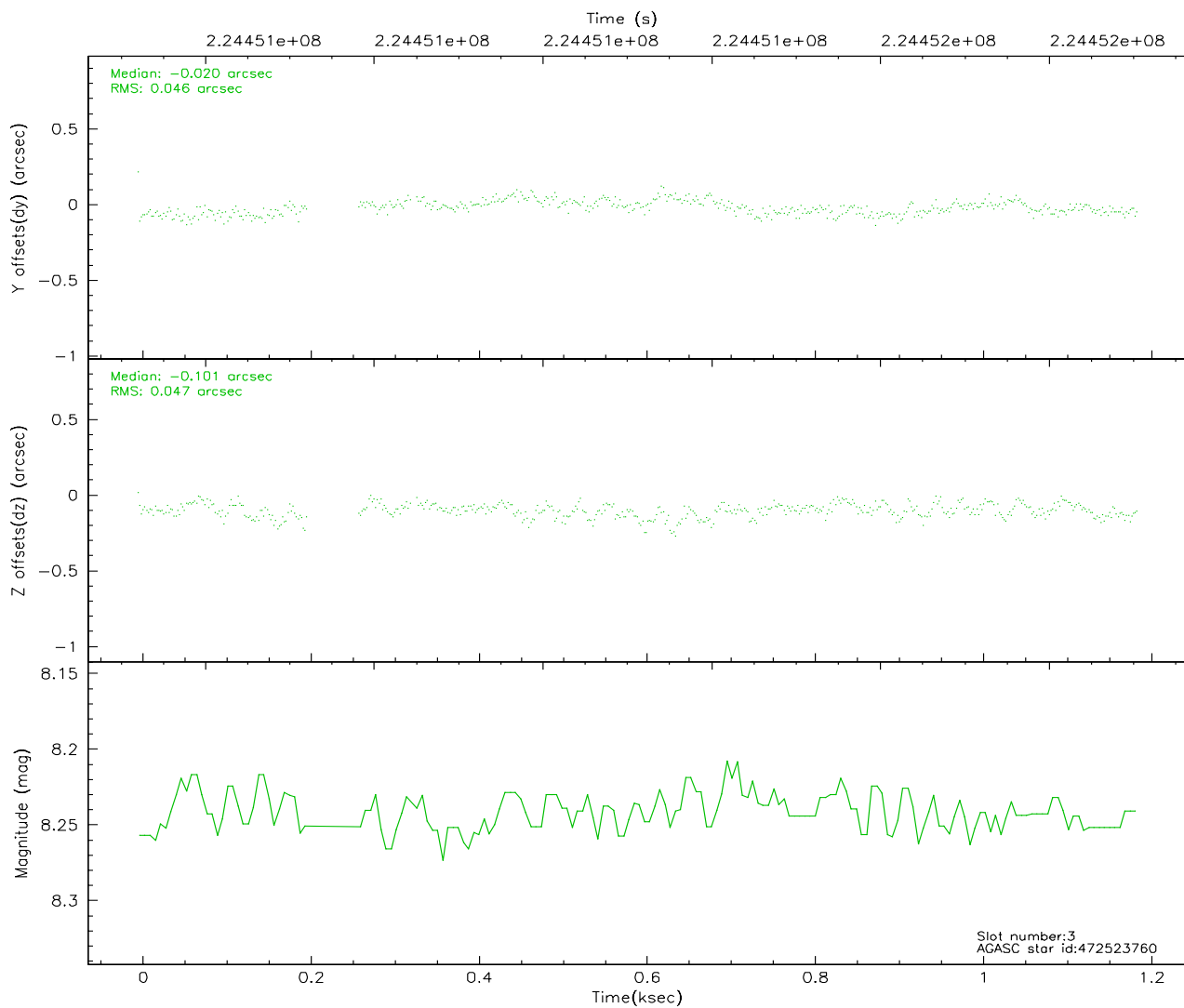
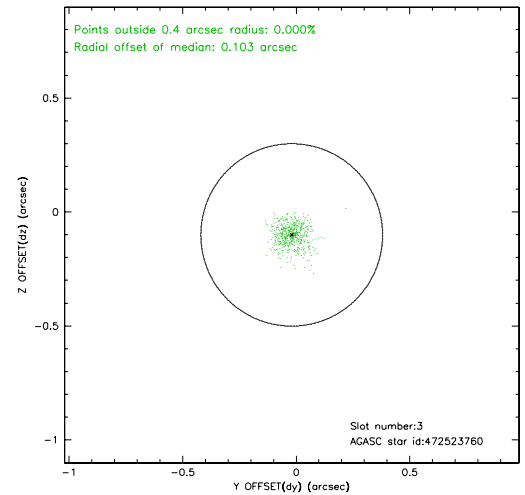
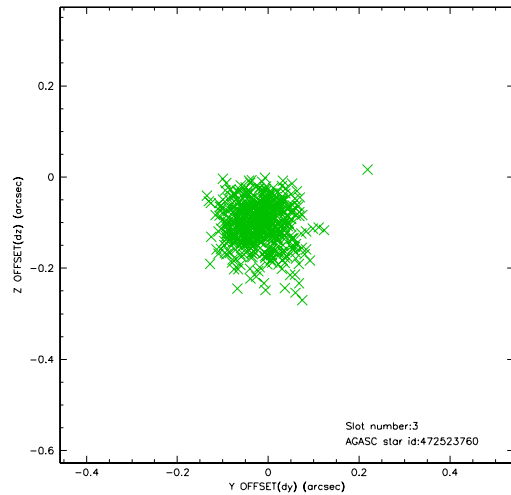
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.02	291	0.112	-0.147	0.006	0.011	0.000000	0.000000	-1161.22	-459.98
1	FID	HRC-S-2	7.01	291	0.186	-0.116	0.004	0.009	0.000000	0.000000	1234.55	-454.18
2	FID	HRC-S-3	7.03	291	0.093	-0.040	0.006	0.012	0.000000	0.000000	-1159.71	568.09
3	GUIDE	472523760	8.24	549	-0.020	-0.101	0.070	0.112	331.645363	45.403260	-460.92	-1221.93
4	GUIDE	472527720	6.99	581	-0.022	-0.043	0.064	0.105	331.460205	45.112509	-780.32	-2325.61
5	GUIDE	472533912	9.17	581	0.110	0.043	0.094	0.156	331.791136	46.368695	-594.41	2266.89
6	GUIDE	472535576	7.86	581	-0.047	0.020	0.058	0.091	331.438373	46.291802	-1423.52	1877.36
7	GUIDE	472665256	9.02	580	-0.028	0.087	0.085	0.133	332.808125	46.195041	1999.66	2033.47

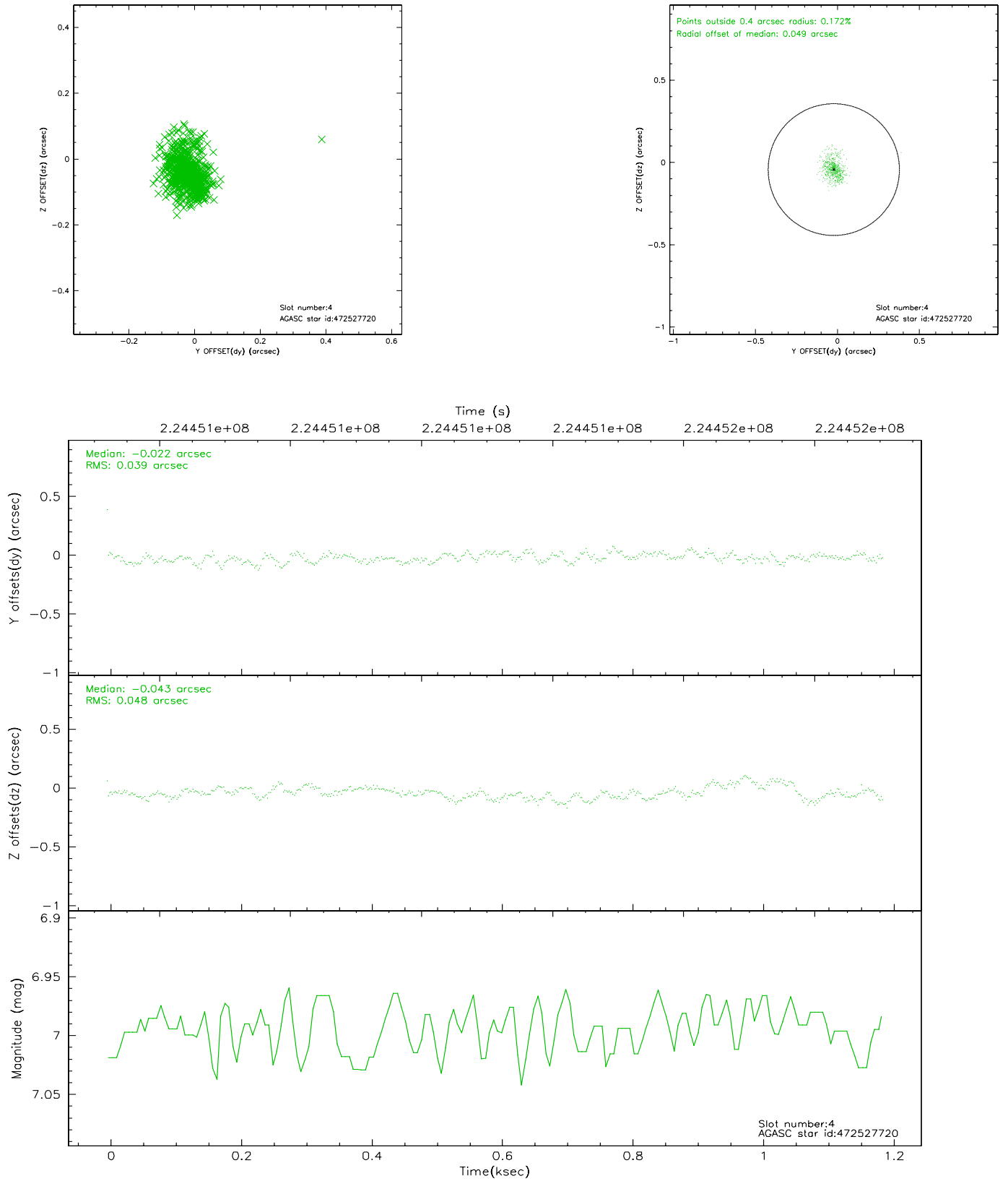


## 2.4 Star Slots

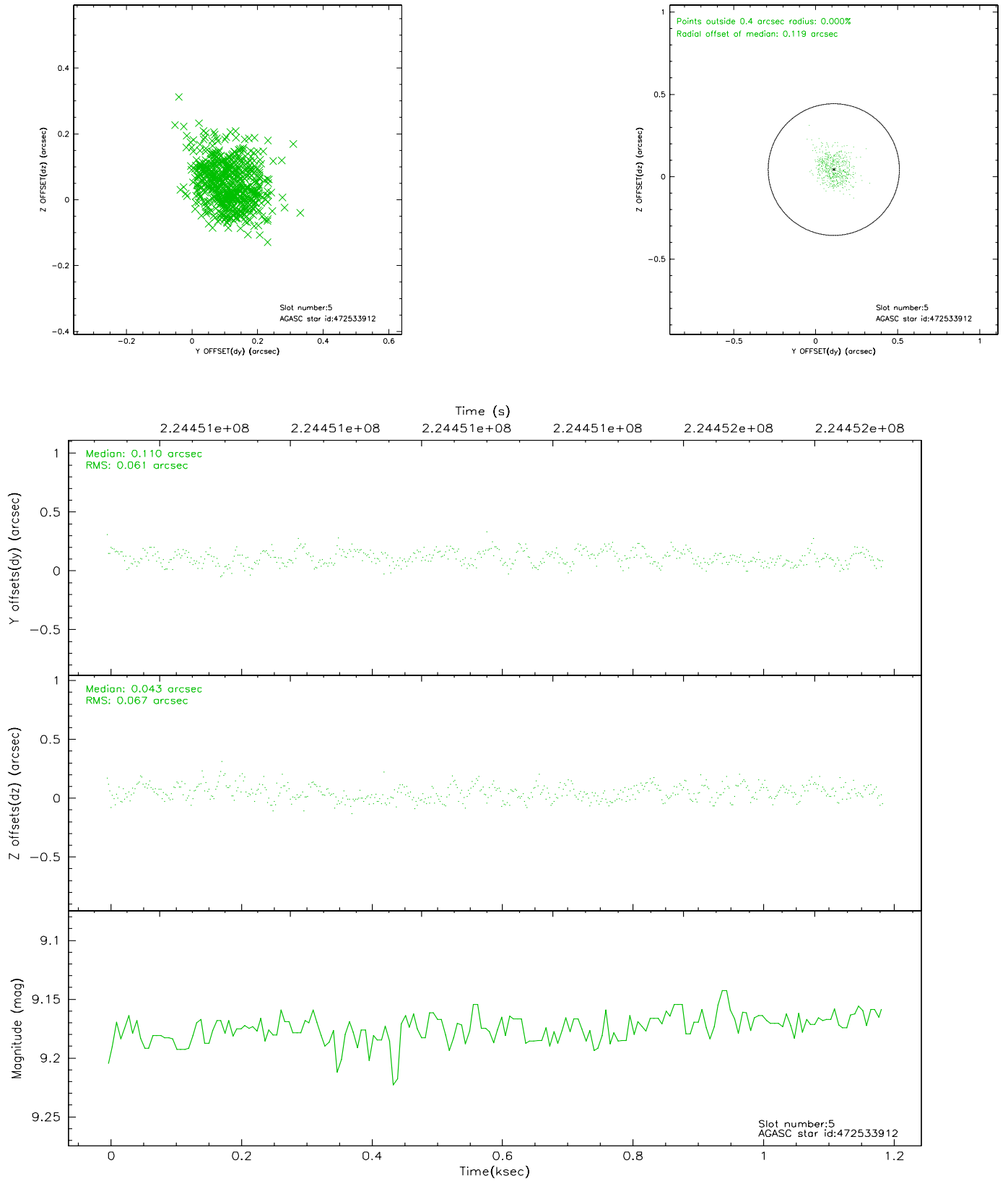
### 2.4.1 Slot 3



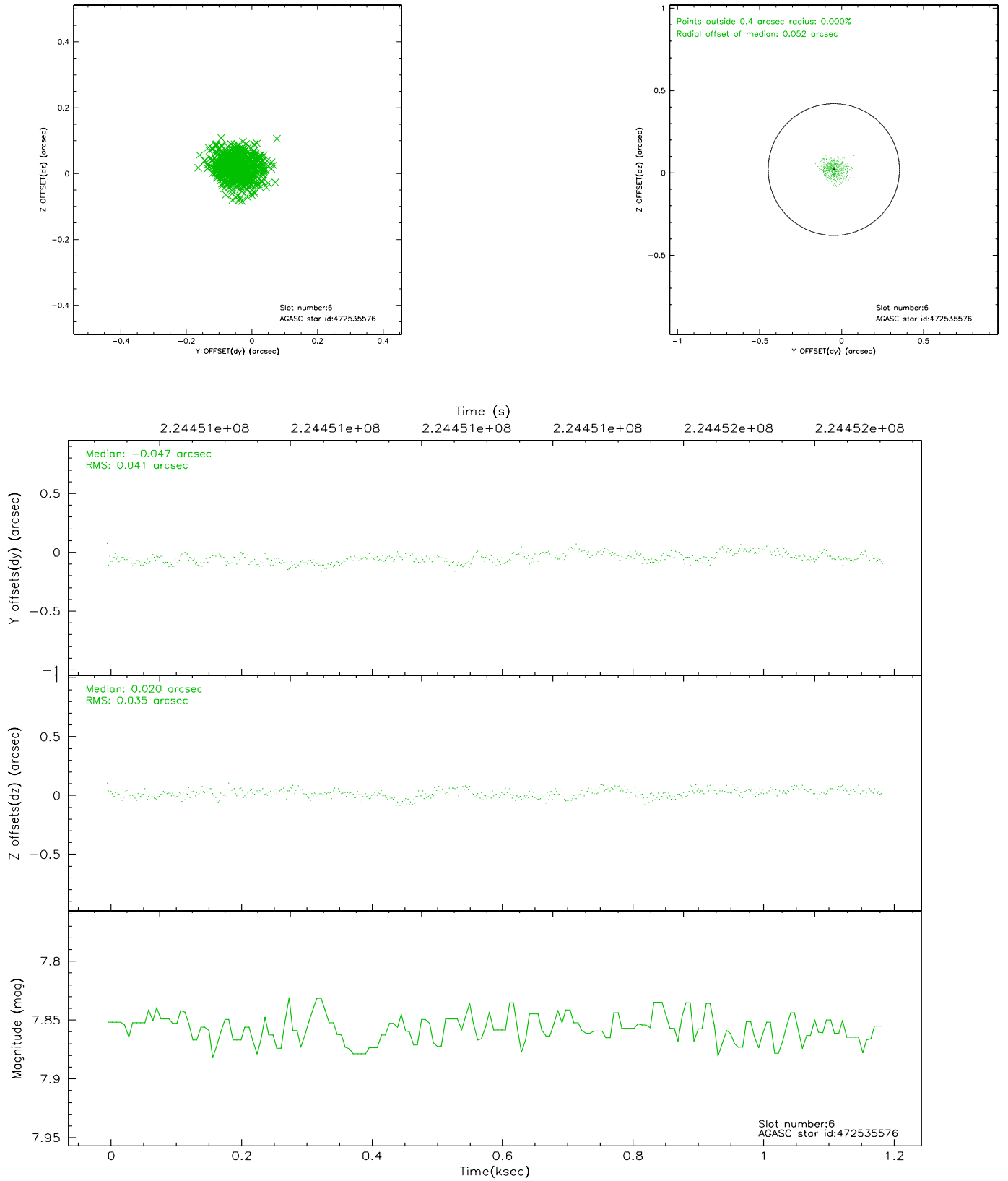
## 2.4.2 Slot 4



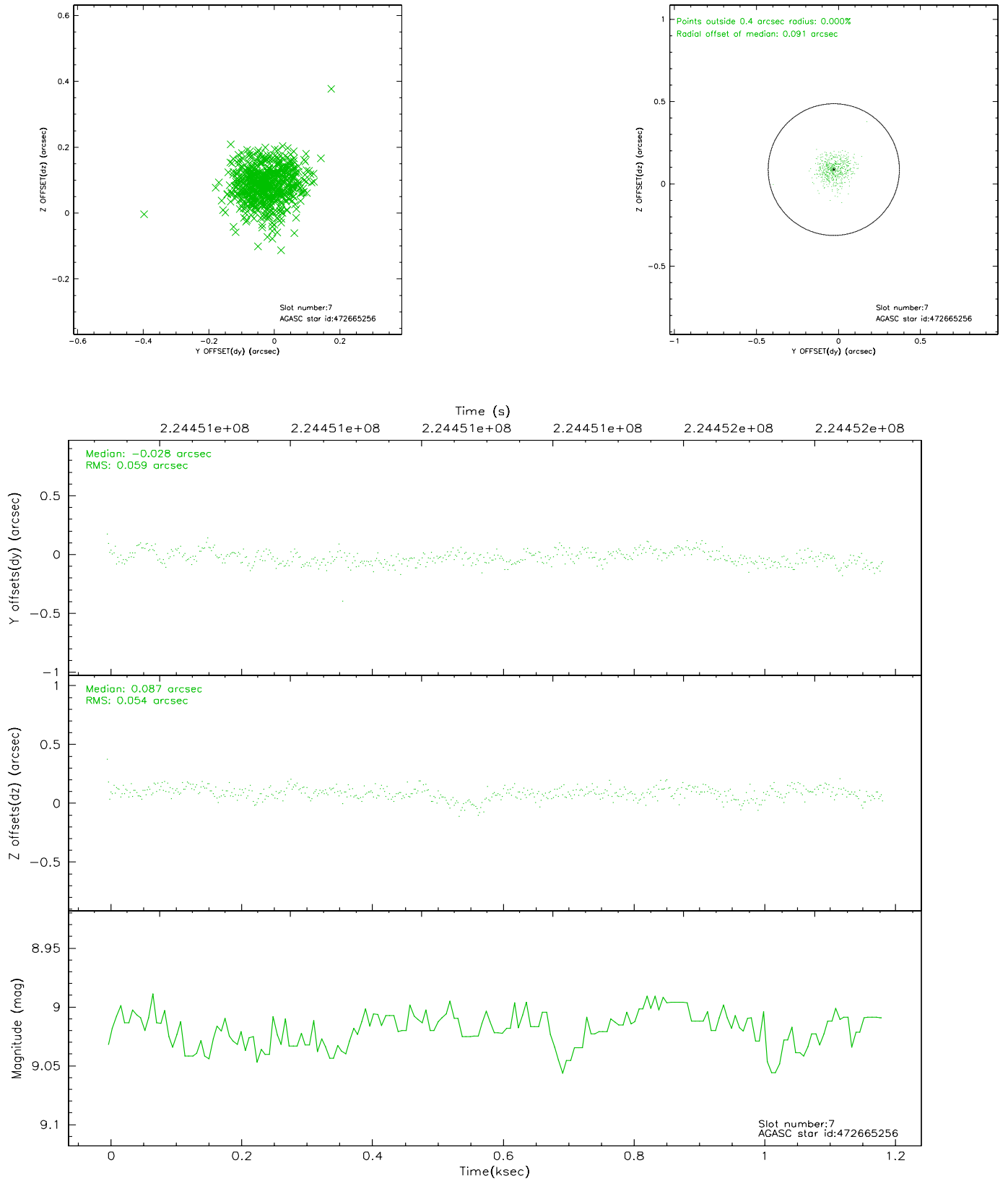
### 2.4.3 Slot 5



## 2.4.4 Slot 6

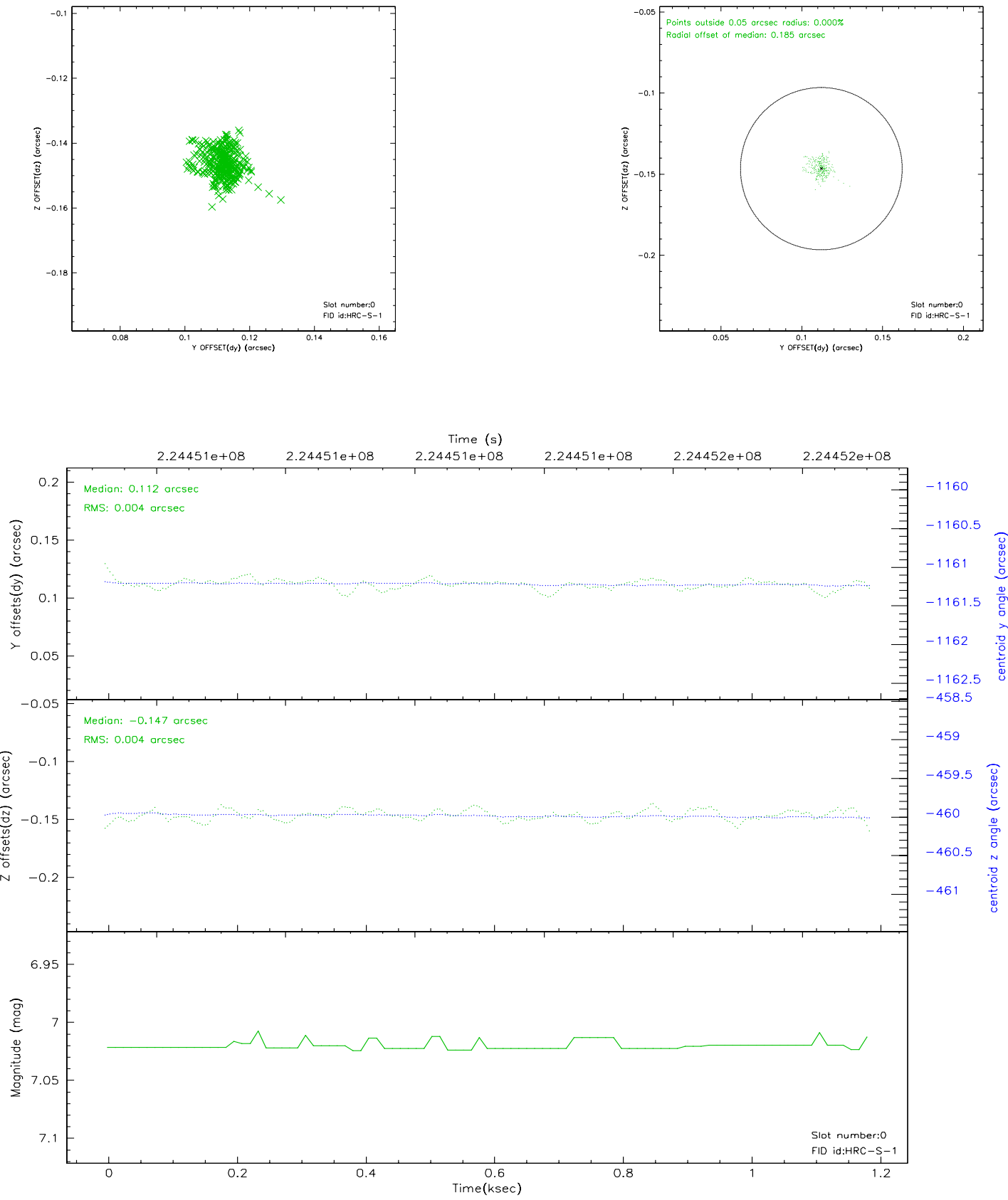


## 2.4.5 Slot 7

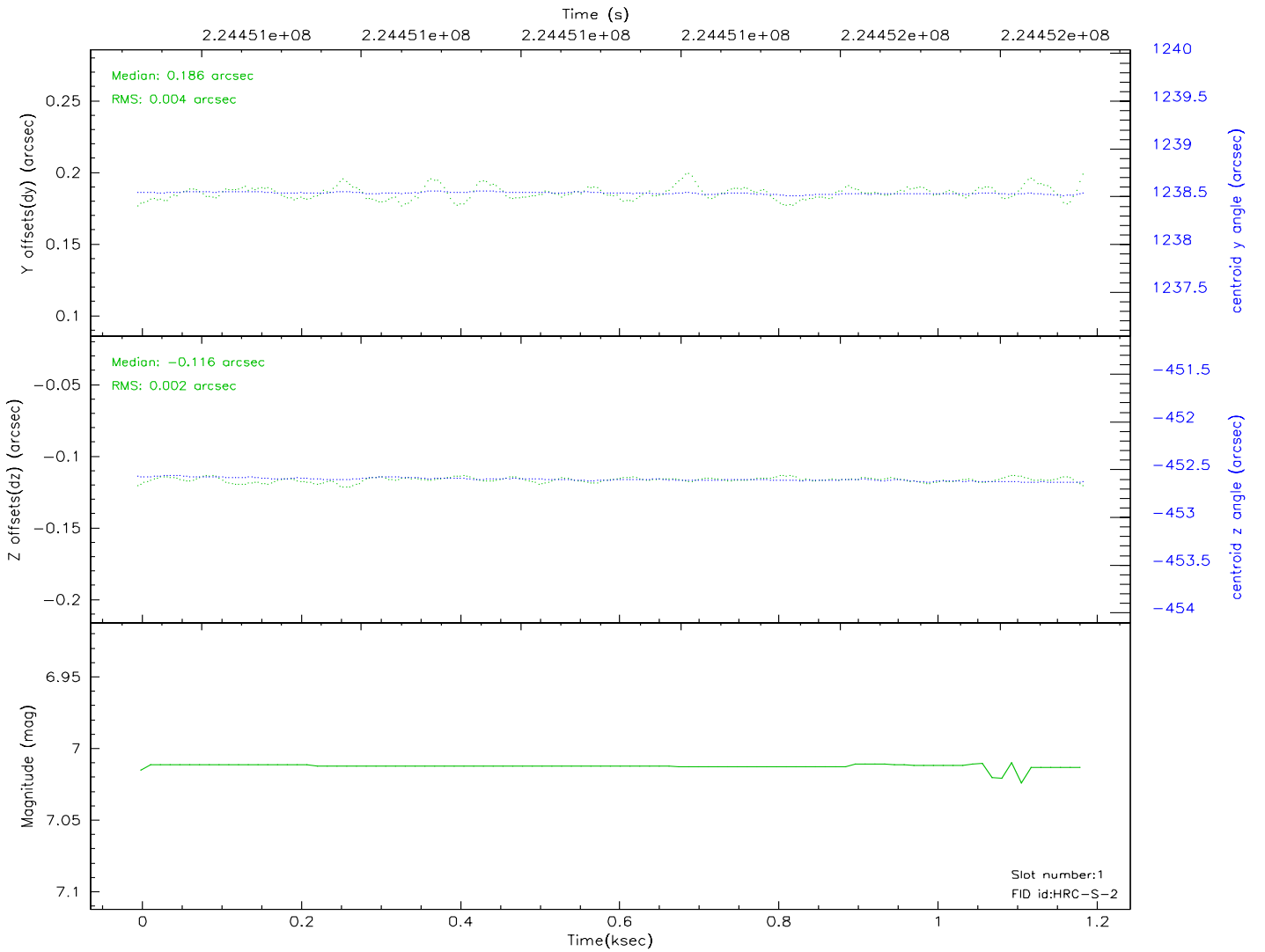
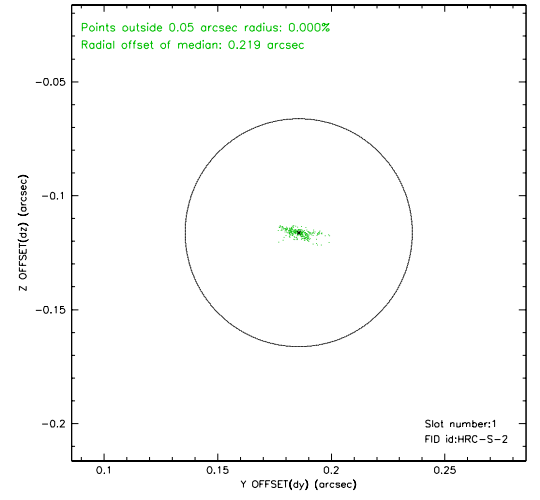
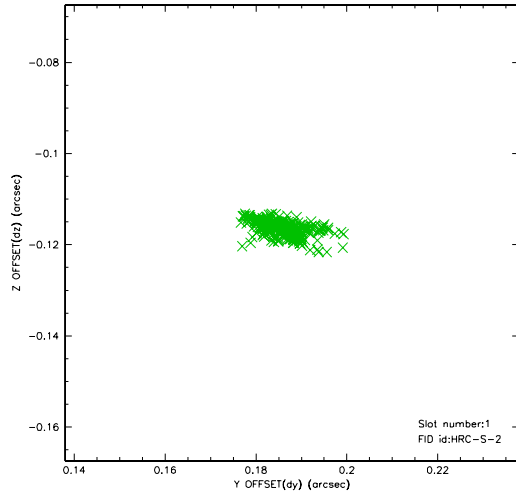


# 2.5 FID Slots

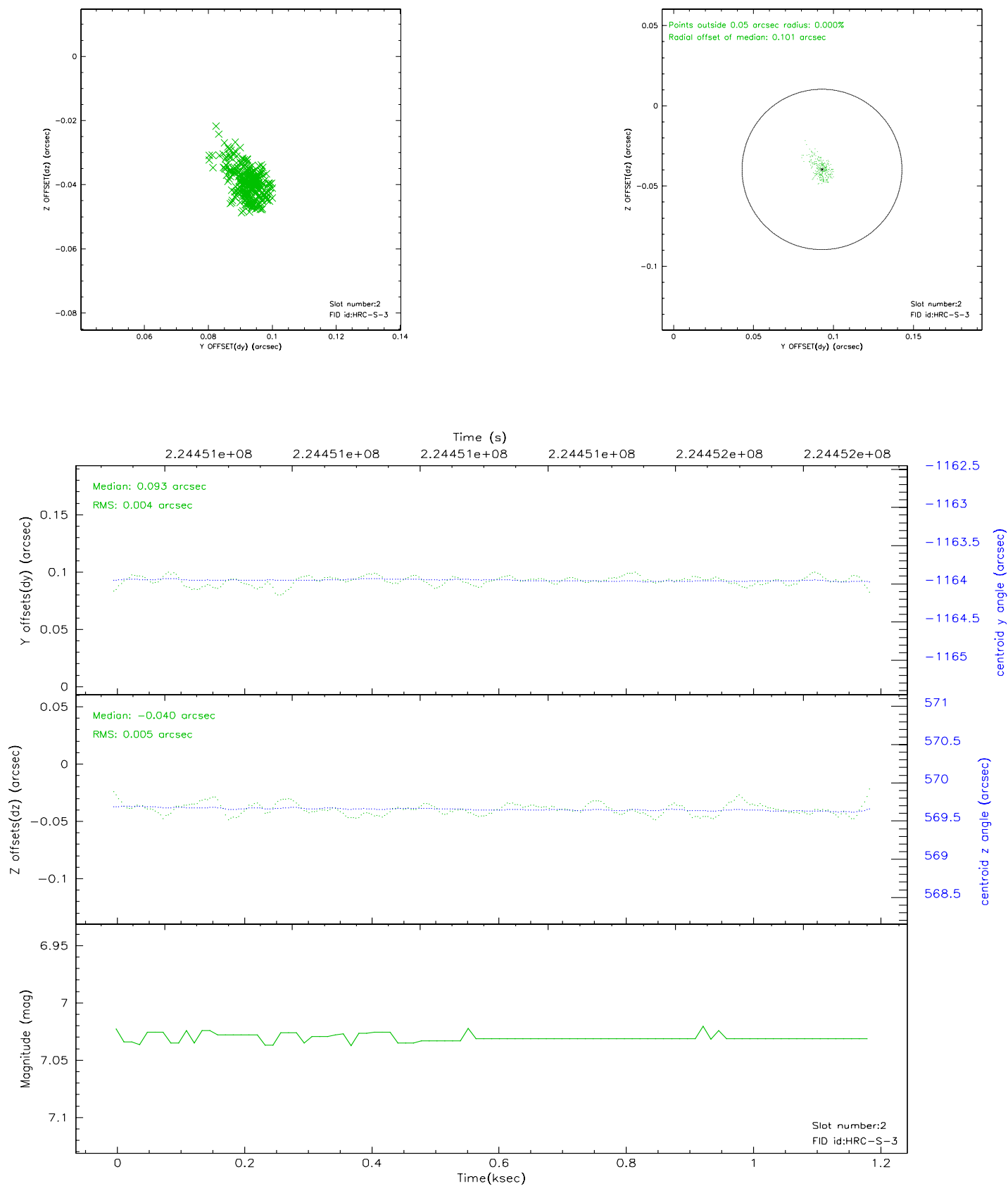
## 2.5.1 Slot 0



## 2.5.2 Slot 1

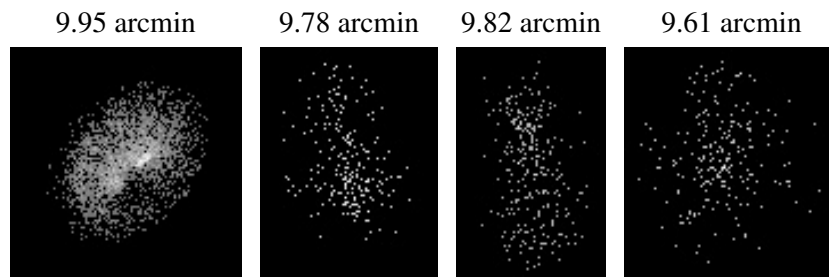


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.02.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.159531

### A.2 Comments