

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.2

Observation 5093 - L2 Version 001  
Chandra X-Ray Center

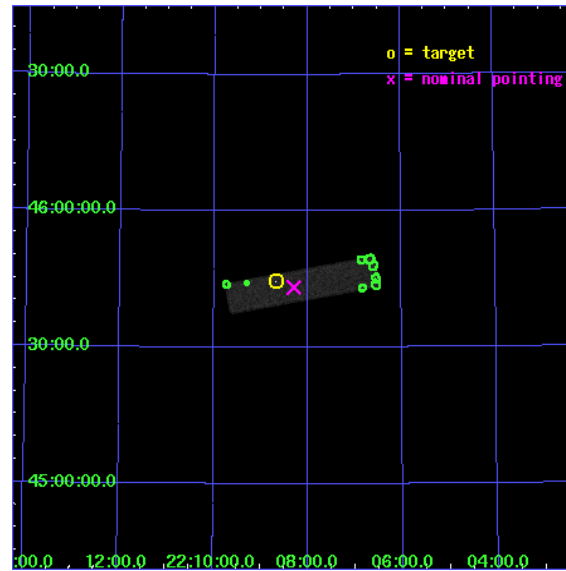
L2 Processing Date : Jun 4 2006

## 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

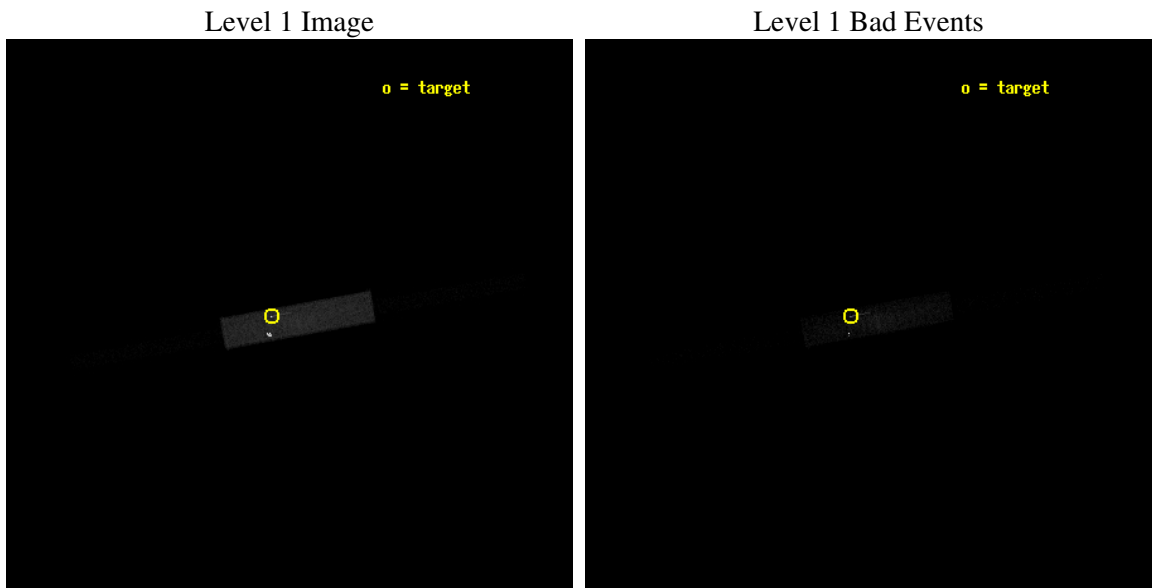
seq_num	290366
obs_id	5093
title	AO5A Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain
observer	Dr. CXC Calibration
object	ArLac
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.07371303195
dec_nom	45.720409689764
roll_nom	349.72748454207
revision	2
ontime	1087.7812975347
livetime	1080.8285663859
l2events	37307



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	0
ascdsver	7.6.7.2
caldbver	3.2.2
date	2006-06-04T17:43:55
revision	2

sched_exp_time	946.000000
ontime	1135.7000496387
l1events	97028

### 2.1.3 Events

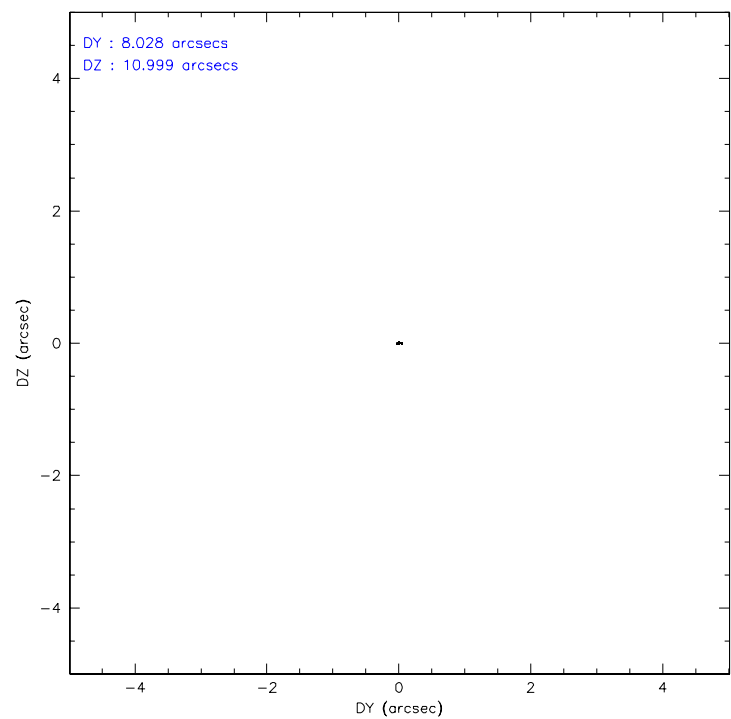
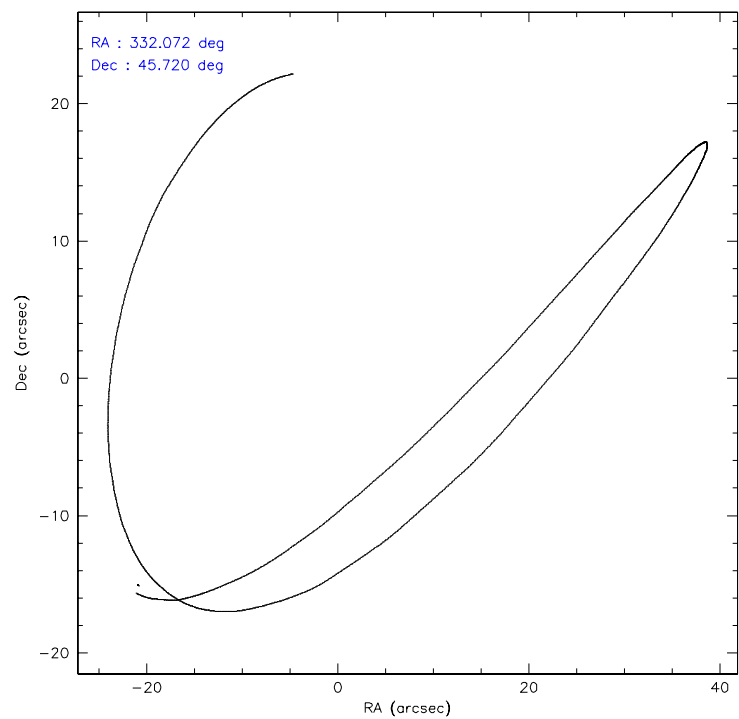
Level 1 Events

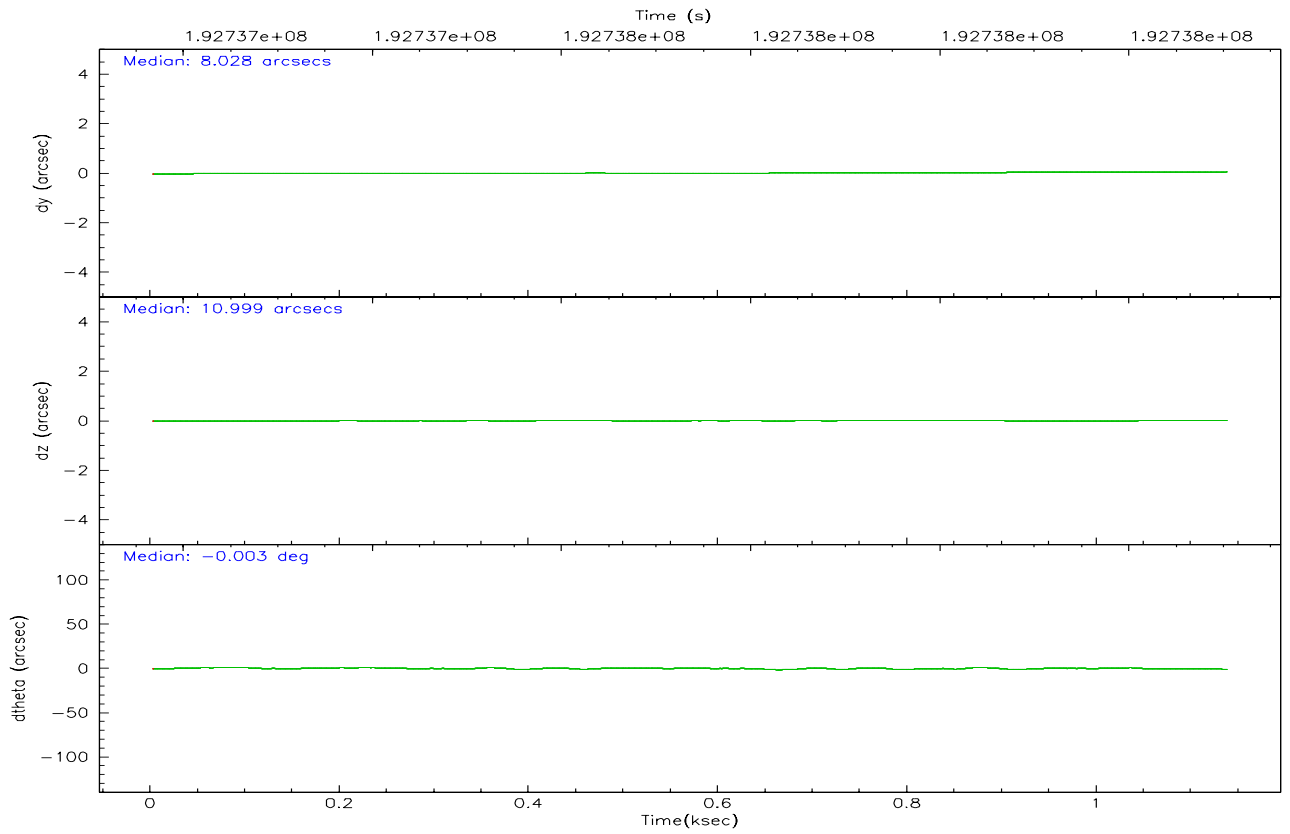
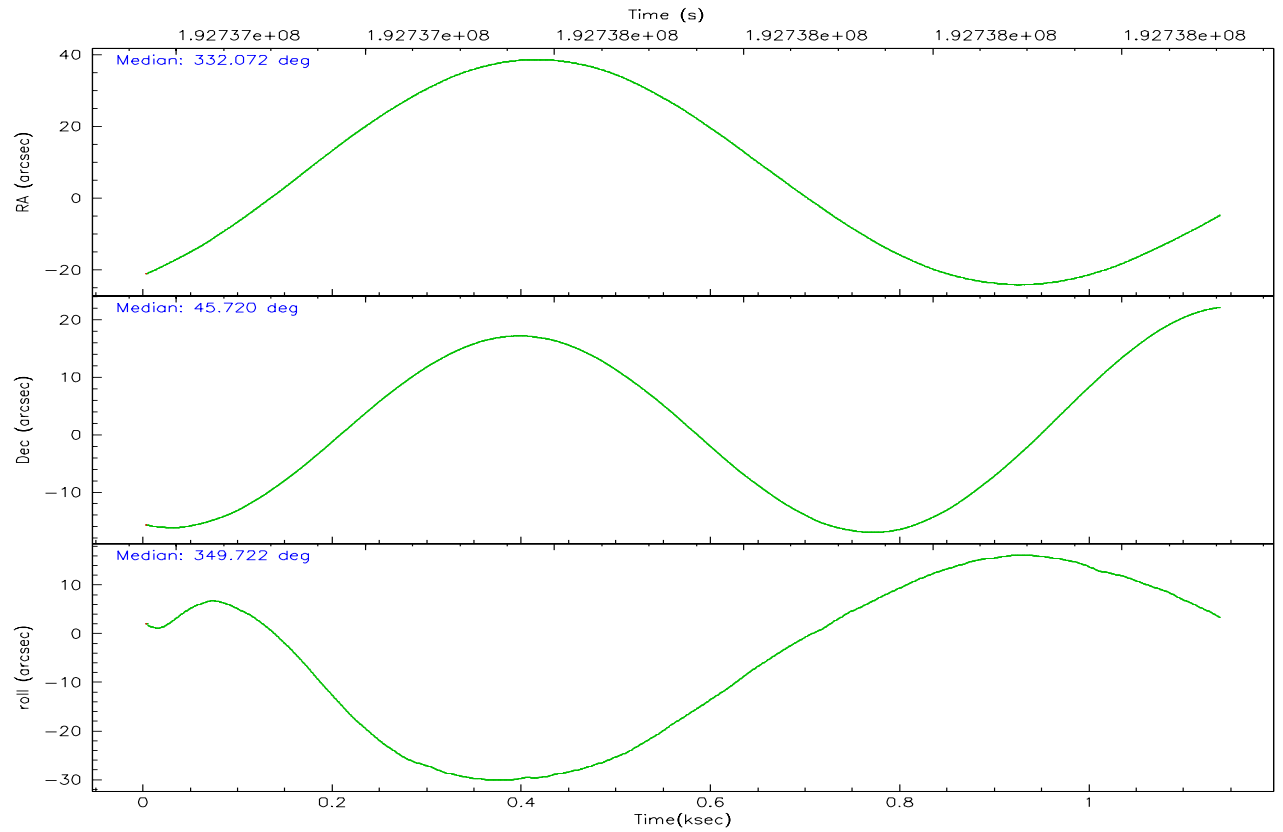
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	1145	94847	1036
rejected events	1145	35142	1036
rejected %	100%	37%	100%

## 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	332.036197	332.0737130319455			
Pointing Dec	45.709564	45.72040968976435			
Pointing Roll	349.687198	349.7274845420749			
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	192737361.184000	192736985.19776			
Observation start date	2004-02-09T18:08:17	2004-02-09T18:03:05			
Observation end time	192738307.184000	192738440.69783			
Observation end date	2004-02-09T18:24:03	2004-02-09T18:27:20			

2.3 Aspect





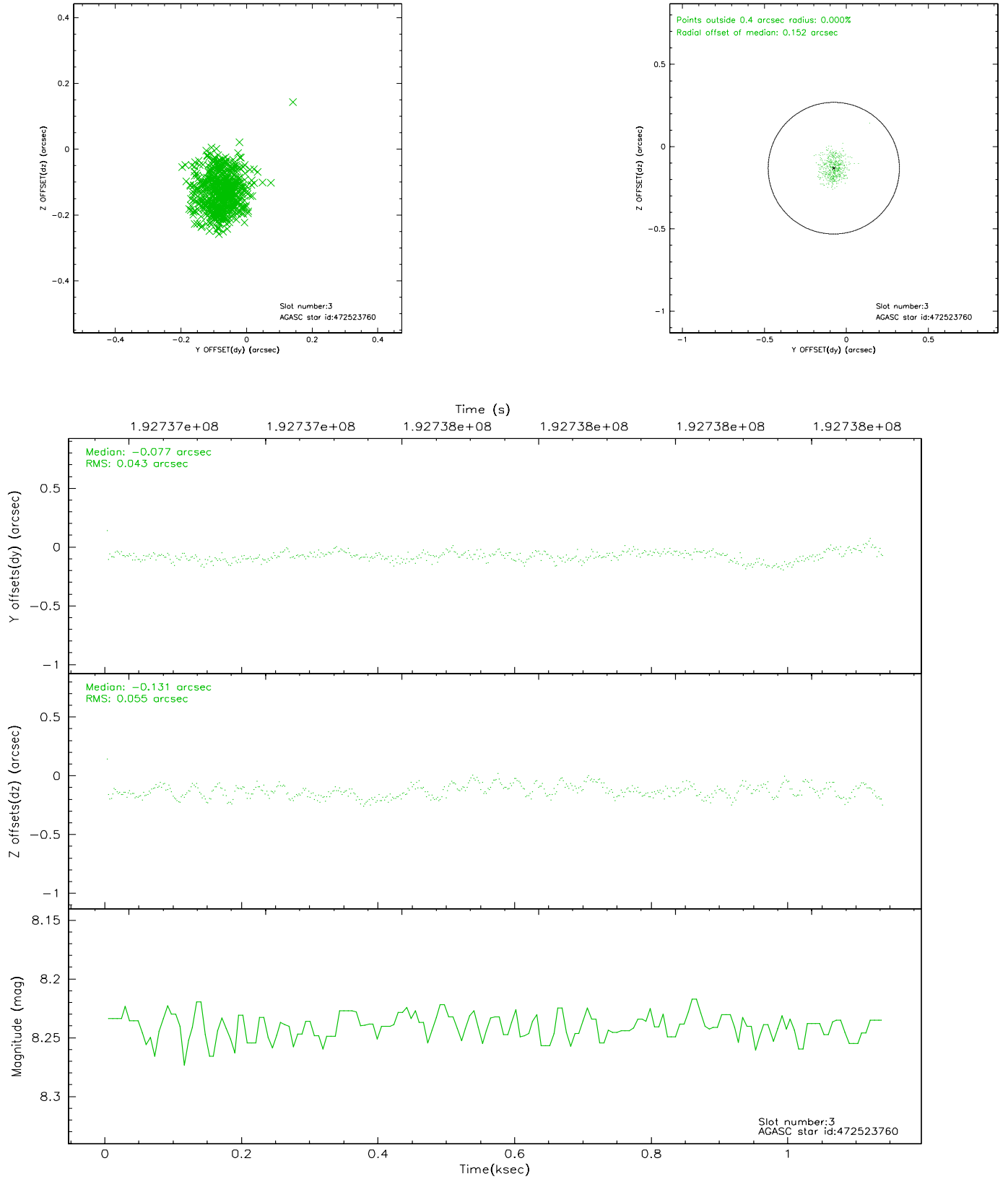
### Slot Statistics

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	278	0.148	-0.166	0.006	0.013	0.000000	0.000000	-1162.19	-459.70
1	FID	HRC-S-2	7.02	278	0.130	-0.108	0.004	0.008	0.000000	0.000000	1233.29	-453.97
2	FID	HRC-S-3	7.04	278	0.111	-0.027	0.006	0.012	0.000000	0.000000	-1160.50	568.33
3	GUIDE	472523760	8.24	554	-0.077	-0.131	0.075	0.118	331.645363	45.403260	-774.12	-1258.82
4	GUIDE	472527720	6.99	555	-0.064	-0.073	0.080	0.115	331.460205	45.112509	-1056.28	-2373.18
5	GUIDE	472533912	9.17	554	-0.010	0.029	0.115	0.182	331.791136	46.368695	-1025.25	2222.95
6	GUIDE	472655152	9.42	554	0.117	0.031	0.152	0.275	332.504239	45.862991	1053.93	761.77
7	GUIDE	472659832	9.47	553	0.040	0.104	0.106	0.175	332.780399	46.098139	1578.34	1719.87

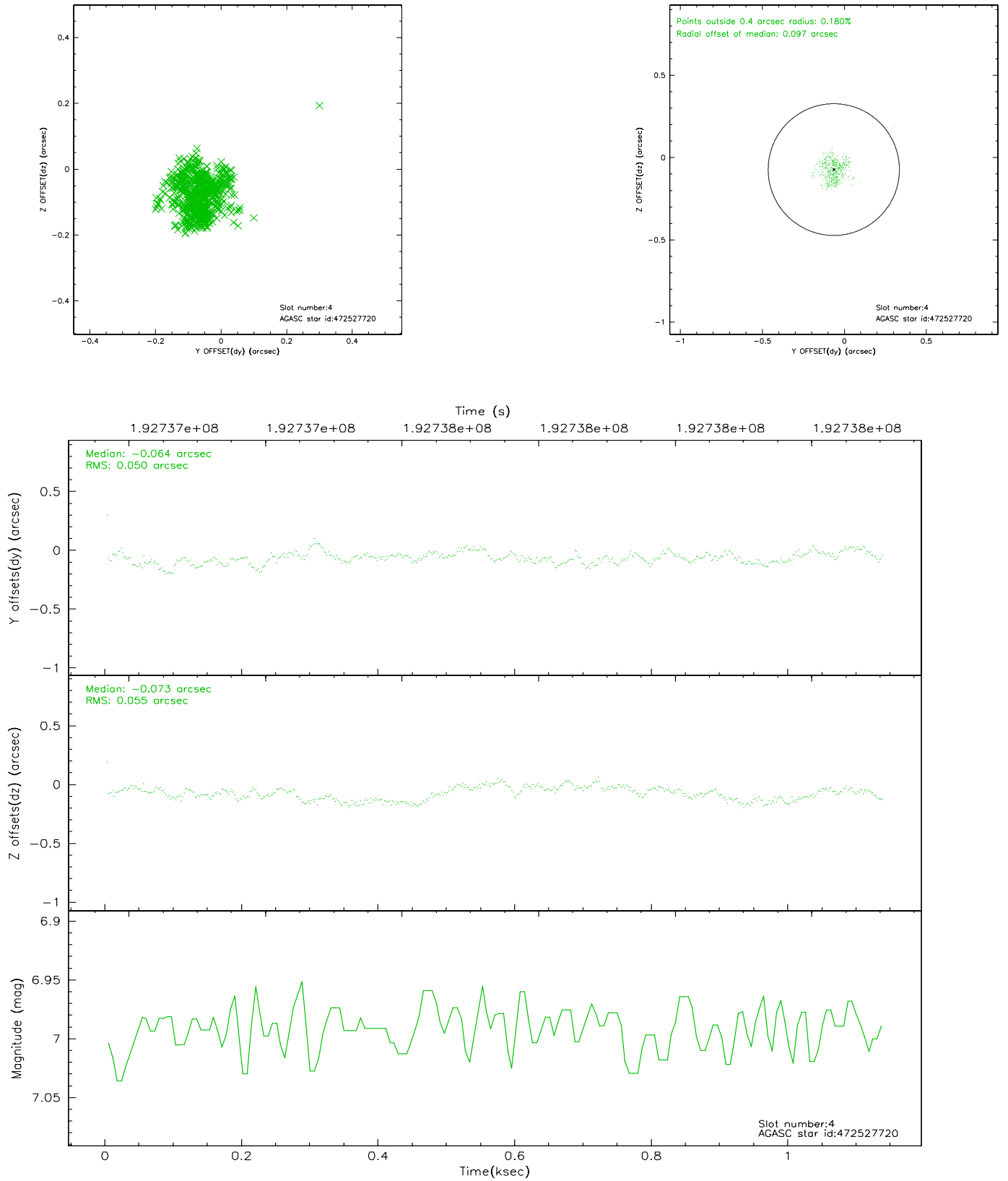


## 2.4 Star Slots

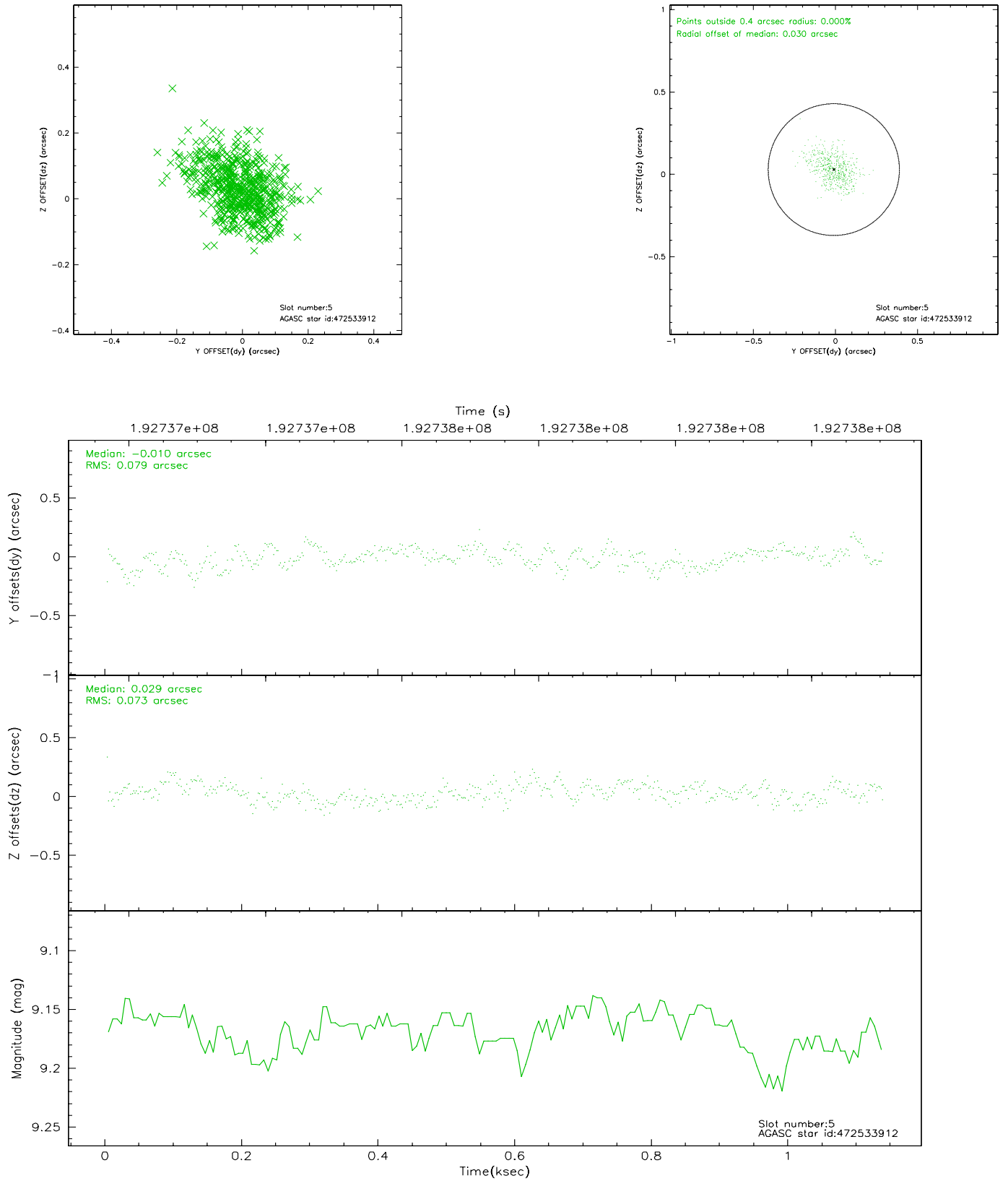
### 2.4.1 Slot 3



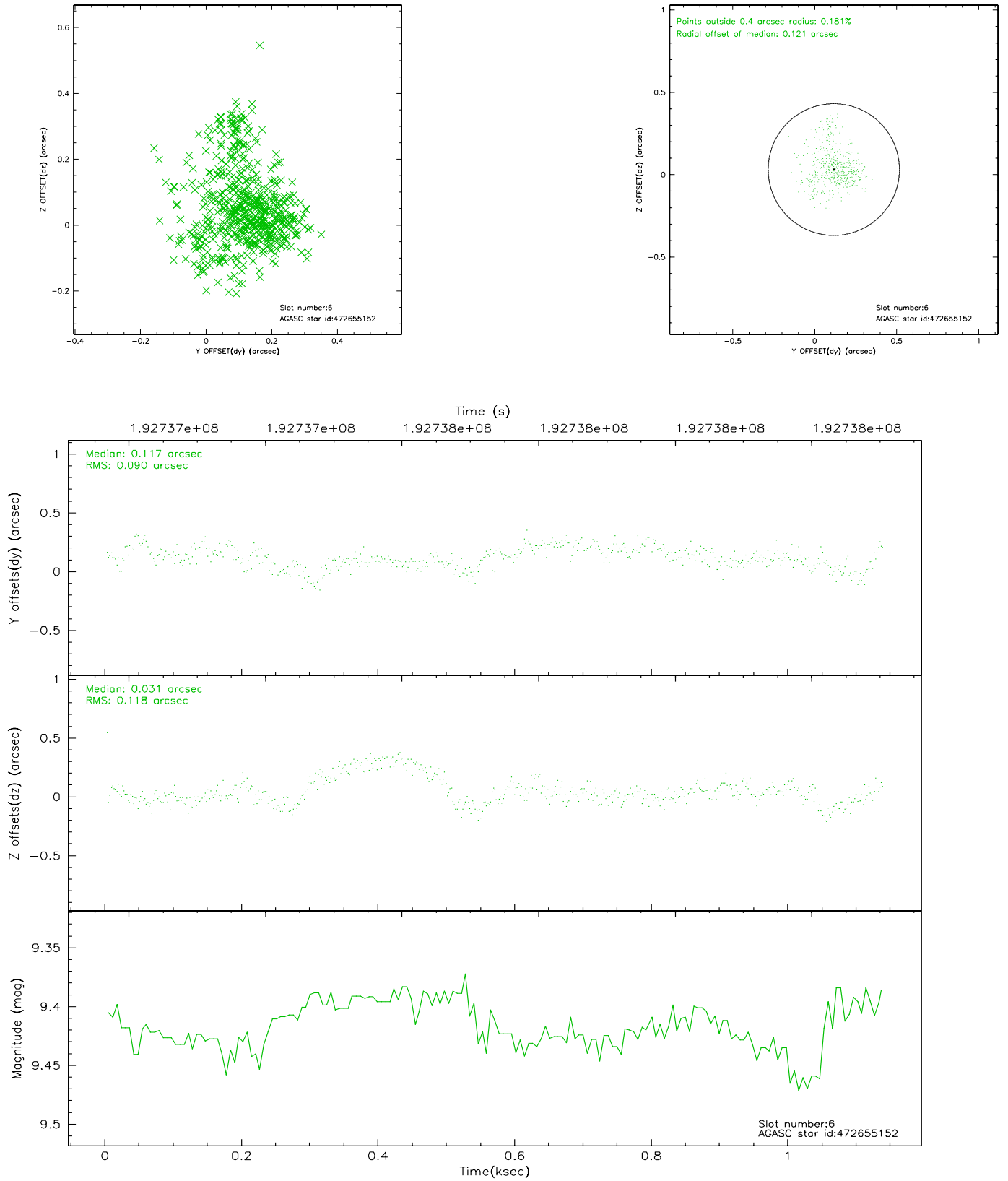
## 2.4.2 Slot 4



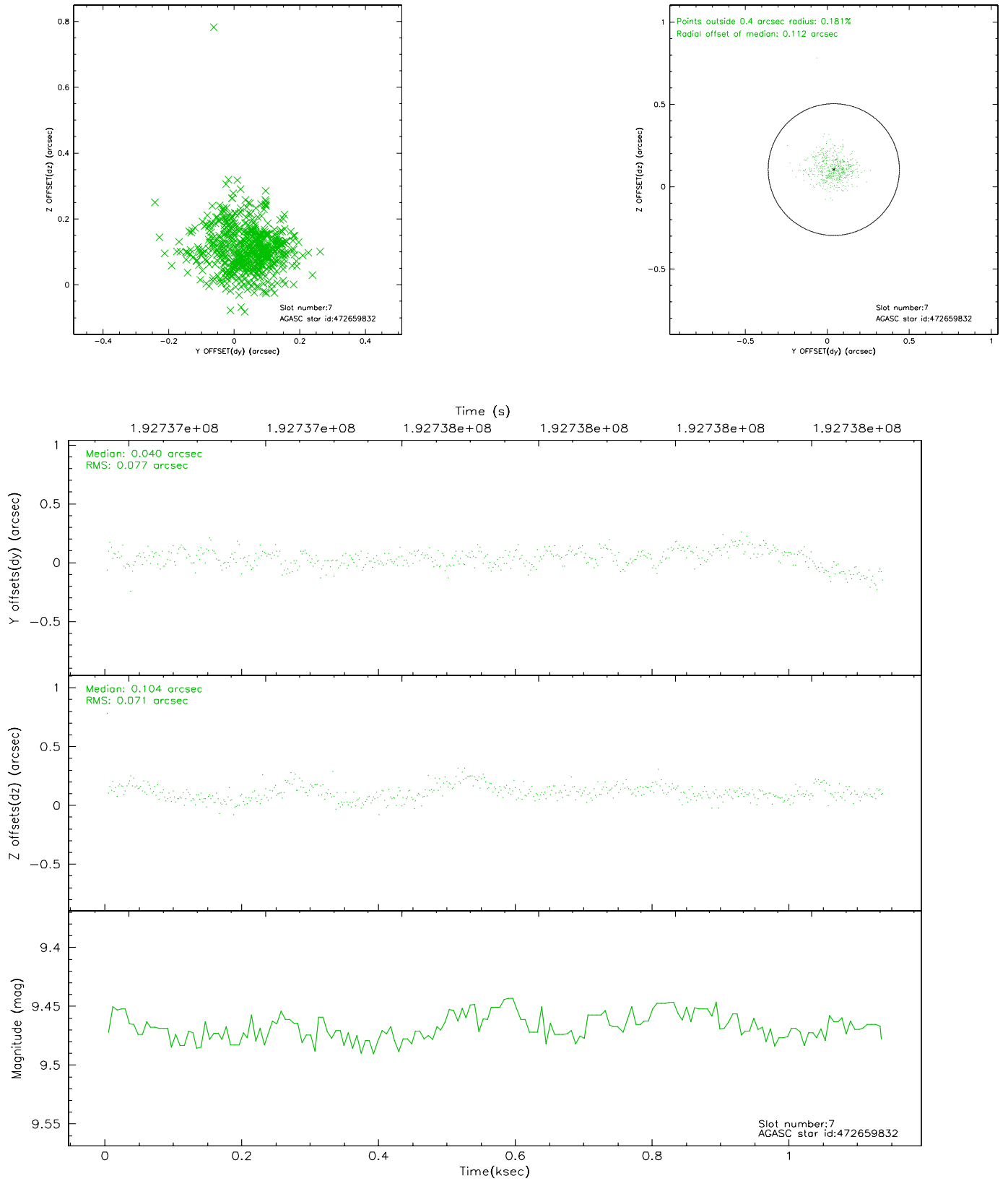
### 2.4.3 Slot 5



## 2.4.4 Slot 6

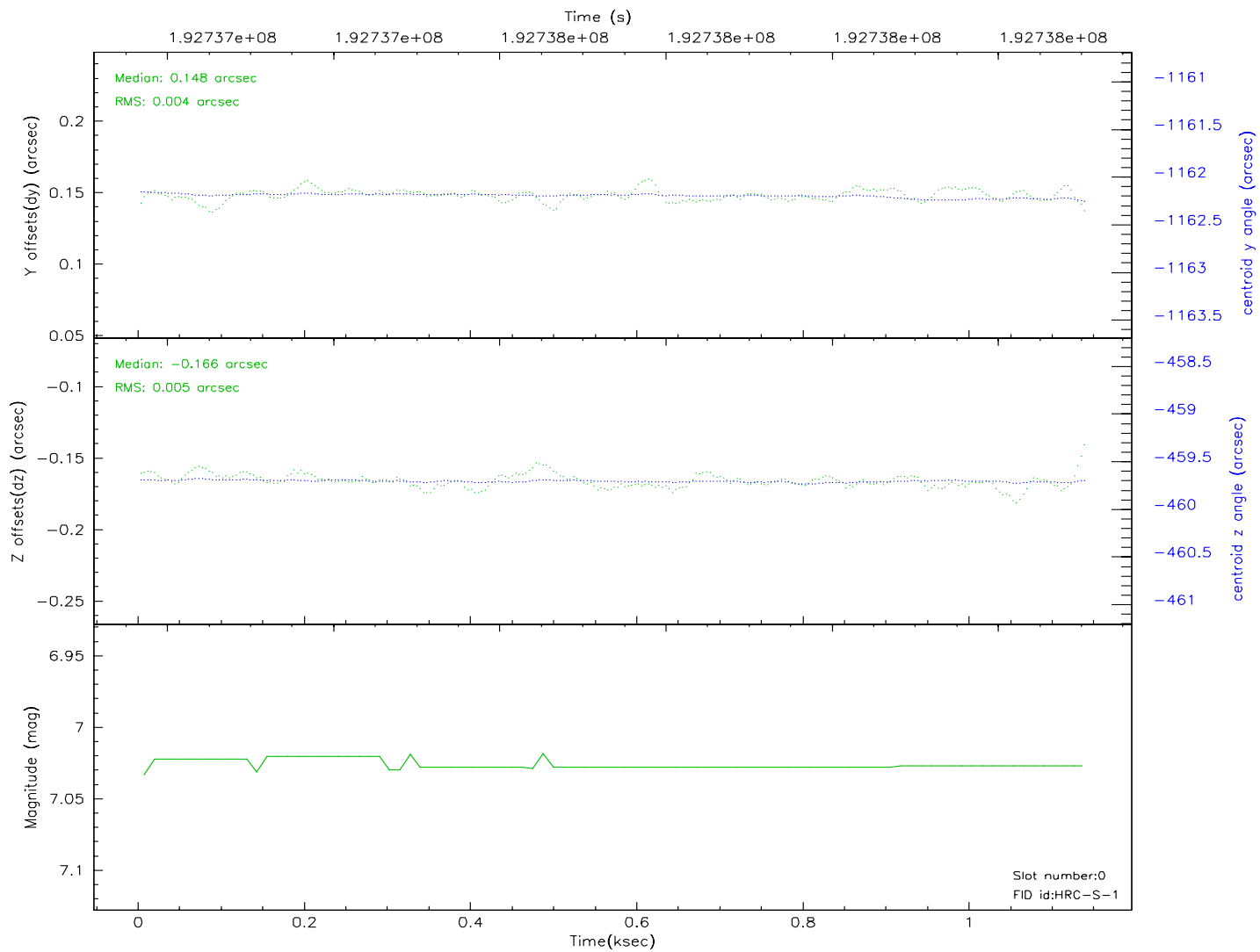
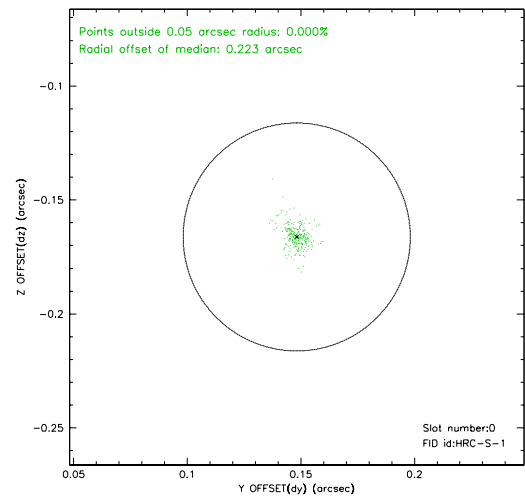
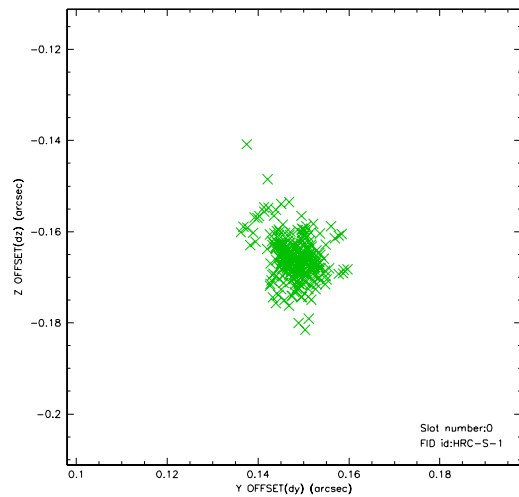


## 2.4.5 Slot 7

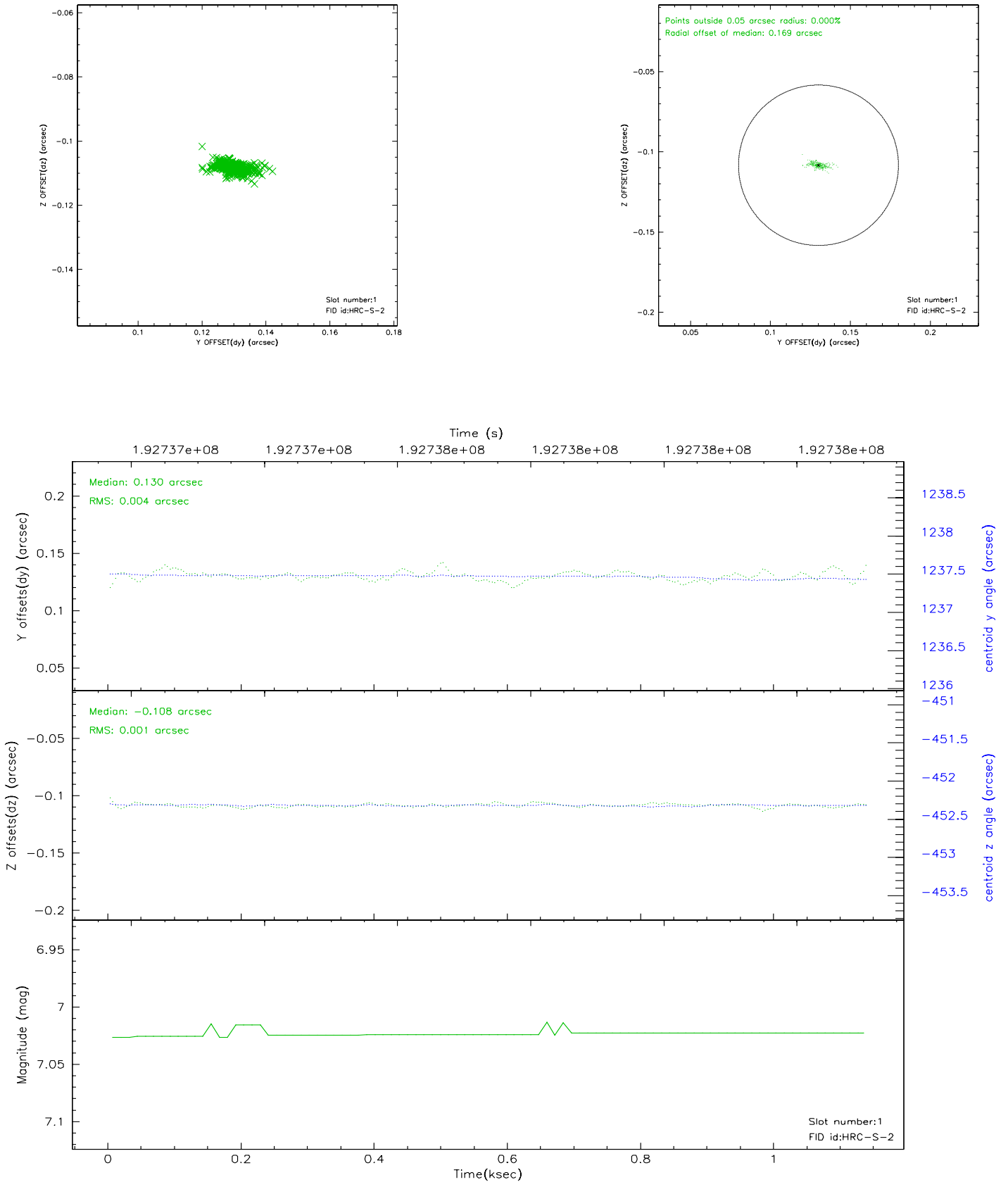


## 2.5 FID Slots

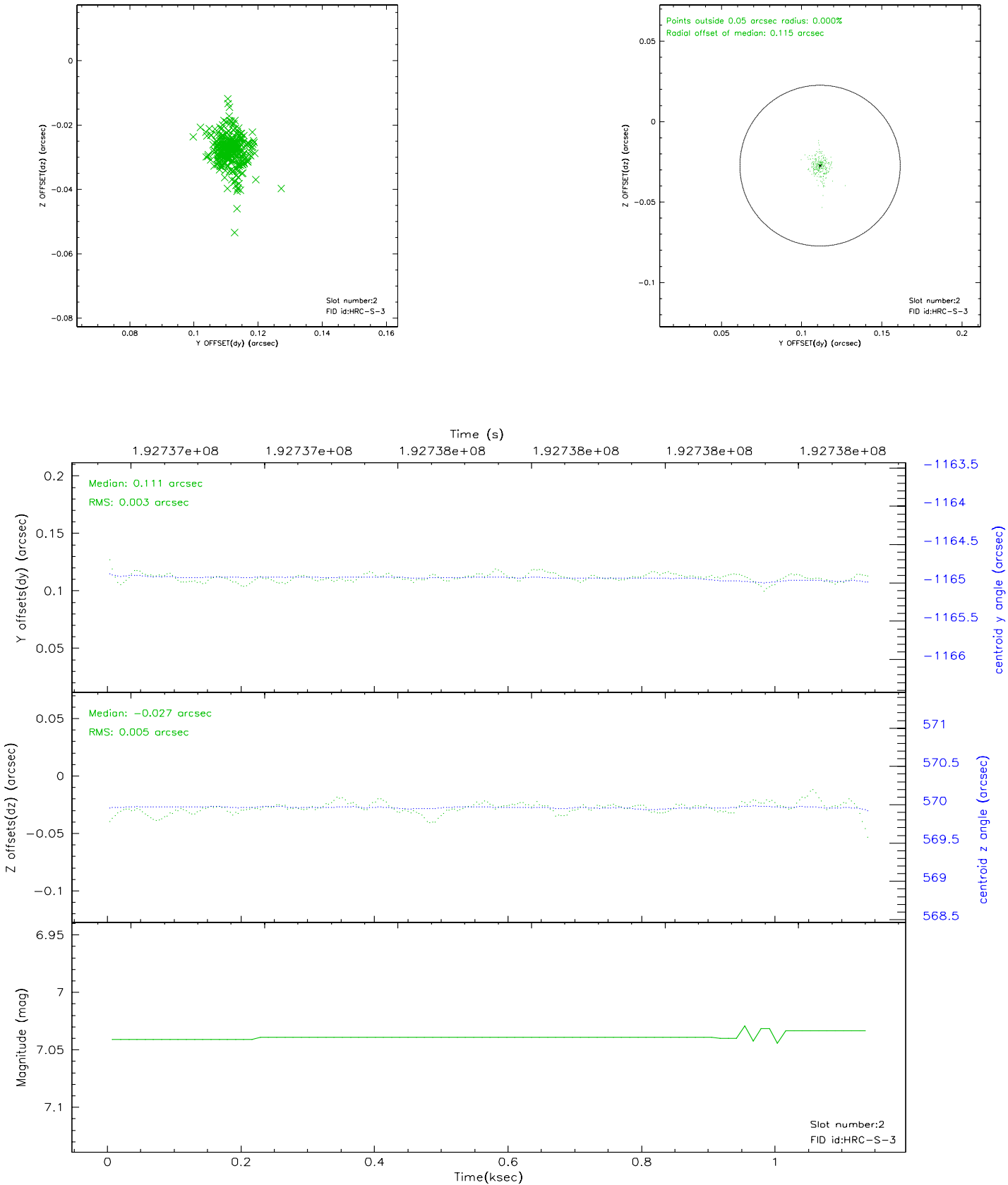
### 2.5.1 Slot 0



## 2.5.2 Slot 1

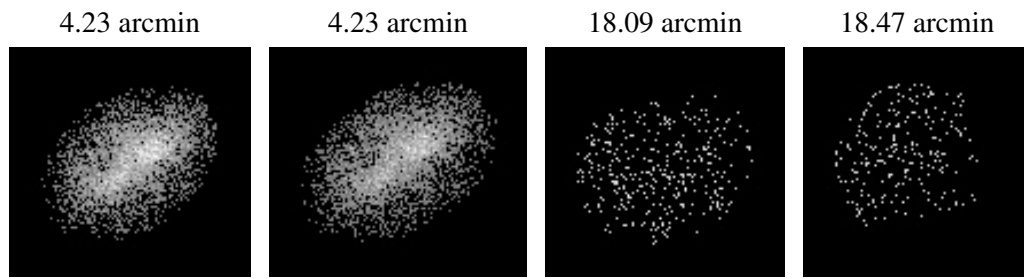


2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Doug Morgan
V&V Date (YYYY-MM-DD)	2006.06.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.087

### A.2 Comments