

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 6009 - L2 Version 002  
Chandra X-Ray Center

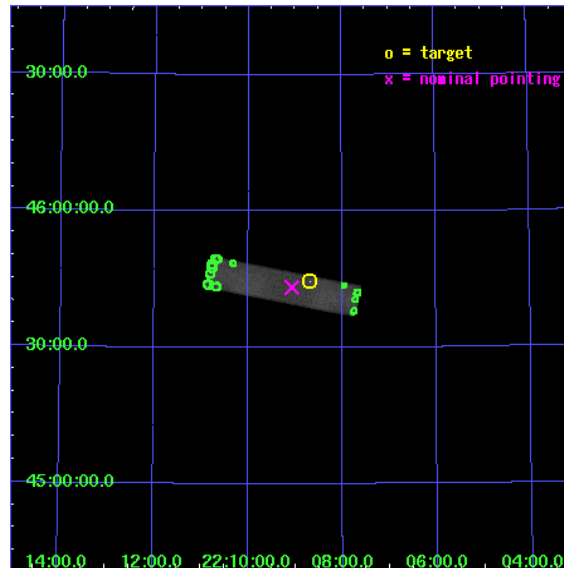
L2 Processing Date : Mar 23 2006

## 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

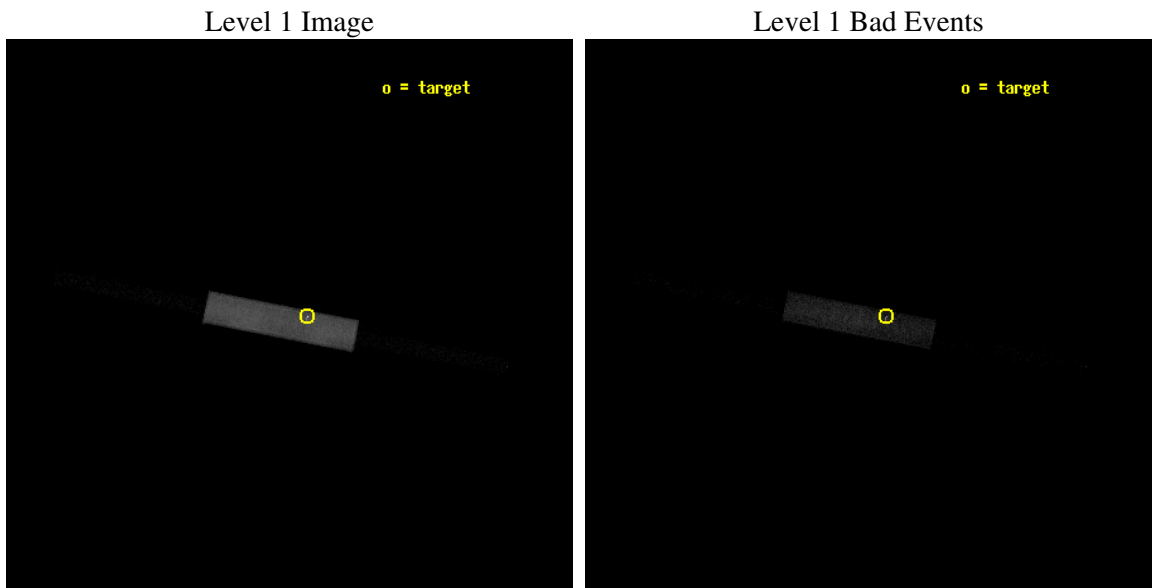
seq_num	290501
obs_id	6009
title	AO6B Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain
observer	Dr. CXC Calibration
object	ArLac
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.26699692083
dec_nom	45.720912253945
roll_nom	190.93734809198
revision	2
ontime	1151.0750528872
livetime	1139.2021775678
l2events	86579



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	0
ascdsver	7.6.7.1
caldbver	3.2.1
date	2006-03-23T14:57:35
revision	2

sched_exp_time	1000.000000
ontime	1179.7750542164
l1events	129895

### 2.1.3 Events

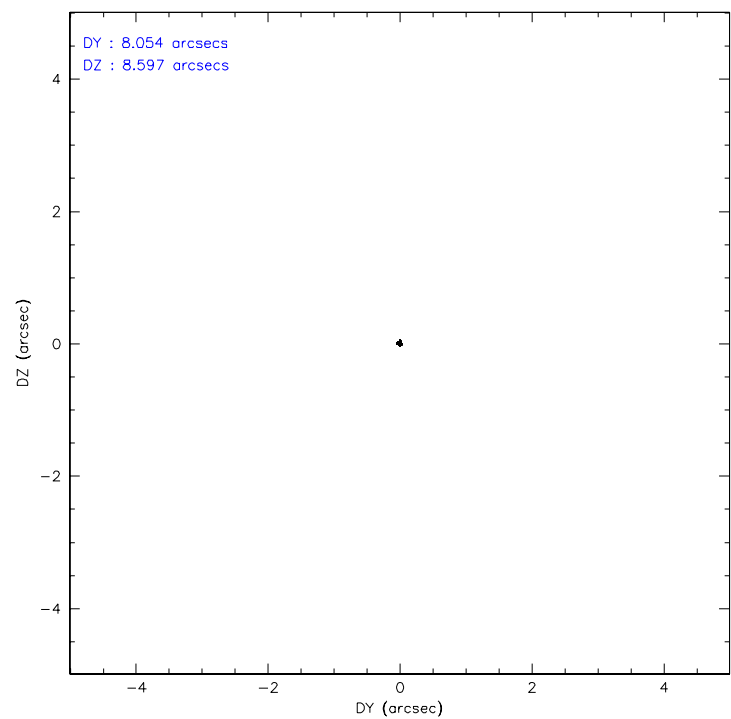
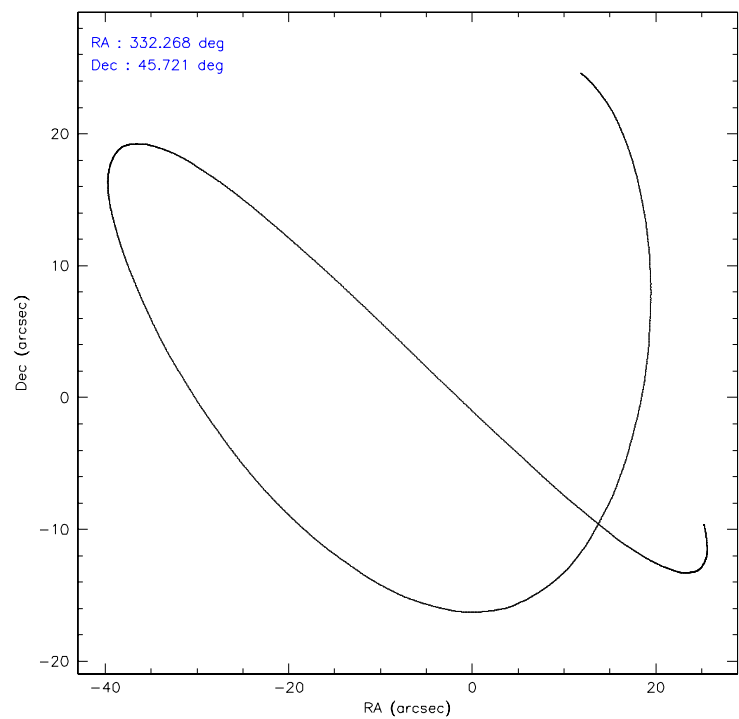
Level 1 Events

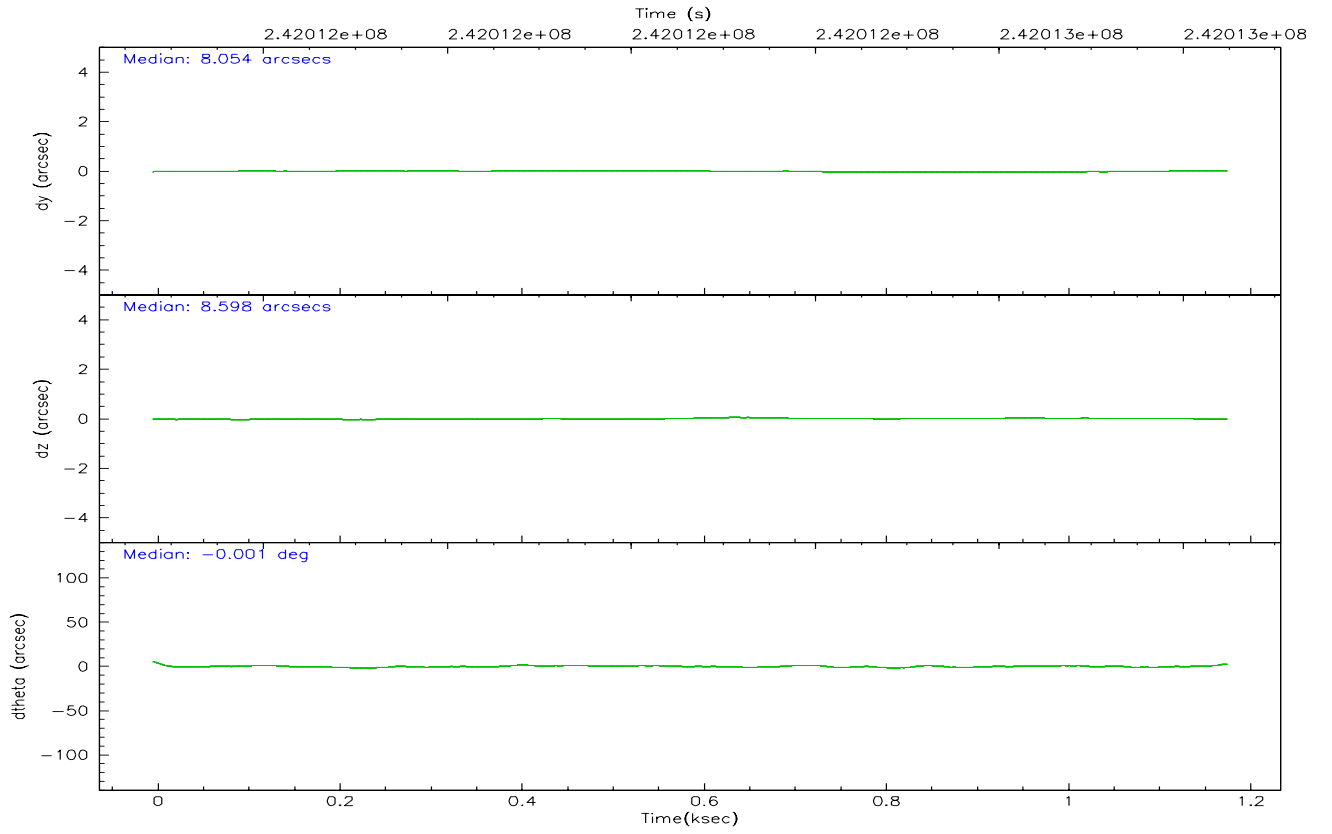
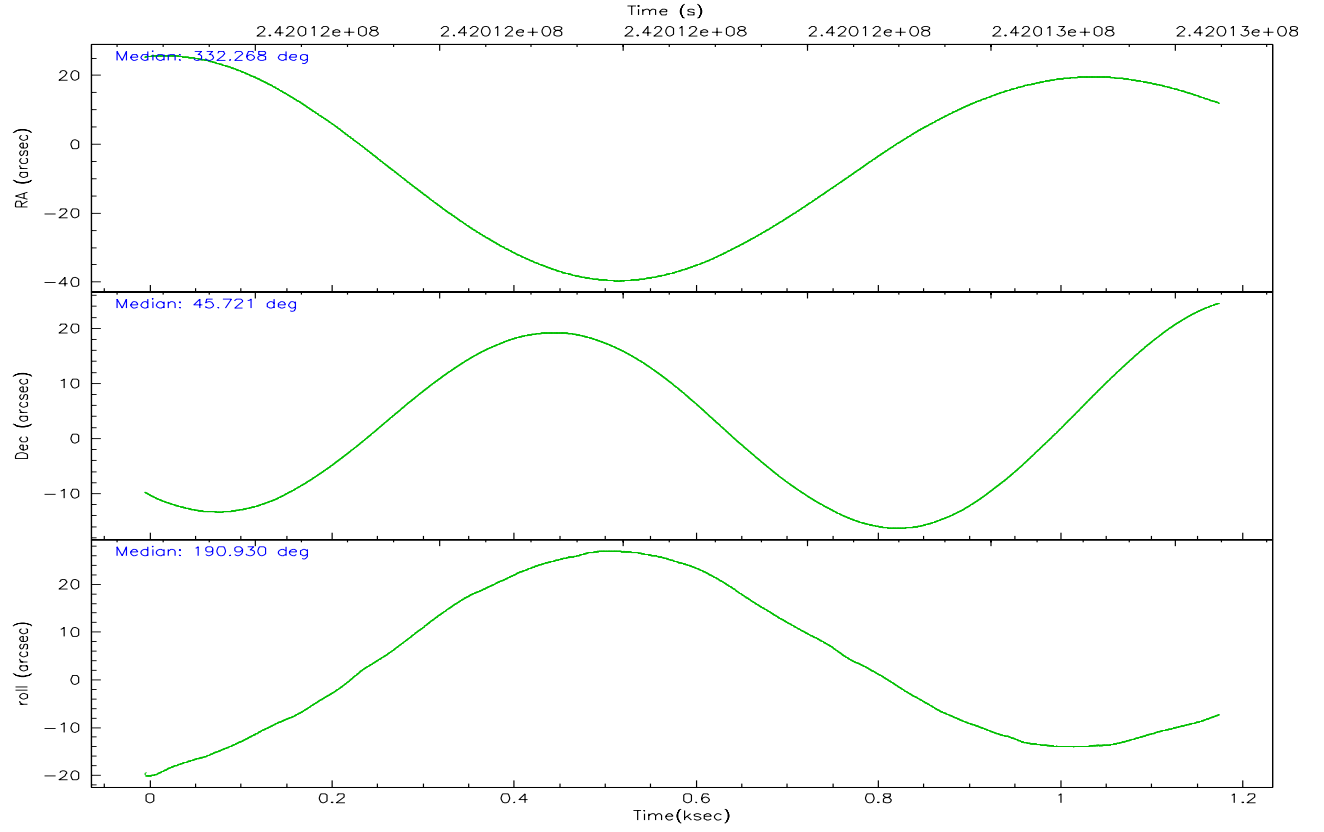
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	1148	127664	1083
rejected events	1143	37015	1035
rejected %	99%	28%	95%

## 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	332.295793	332.2669969208254			
Pointing Dec	45.741219	45.7209122539447			
Pointing Roll	190.849372	190.9373480919788			
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	242011854.184000	242011478.25906			
Observation start date	2005-09-02T01:29:50	2005-09-02T01:24:38			
Observation end time	242012854.184000	242012988.08413			
Observation end date	2005-09-02T01:46:30	2005-09-02T01:49:48			

2.3 Aspect





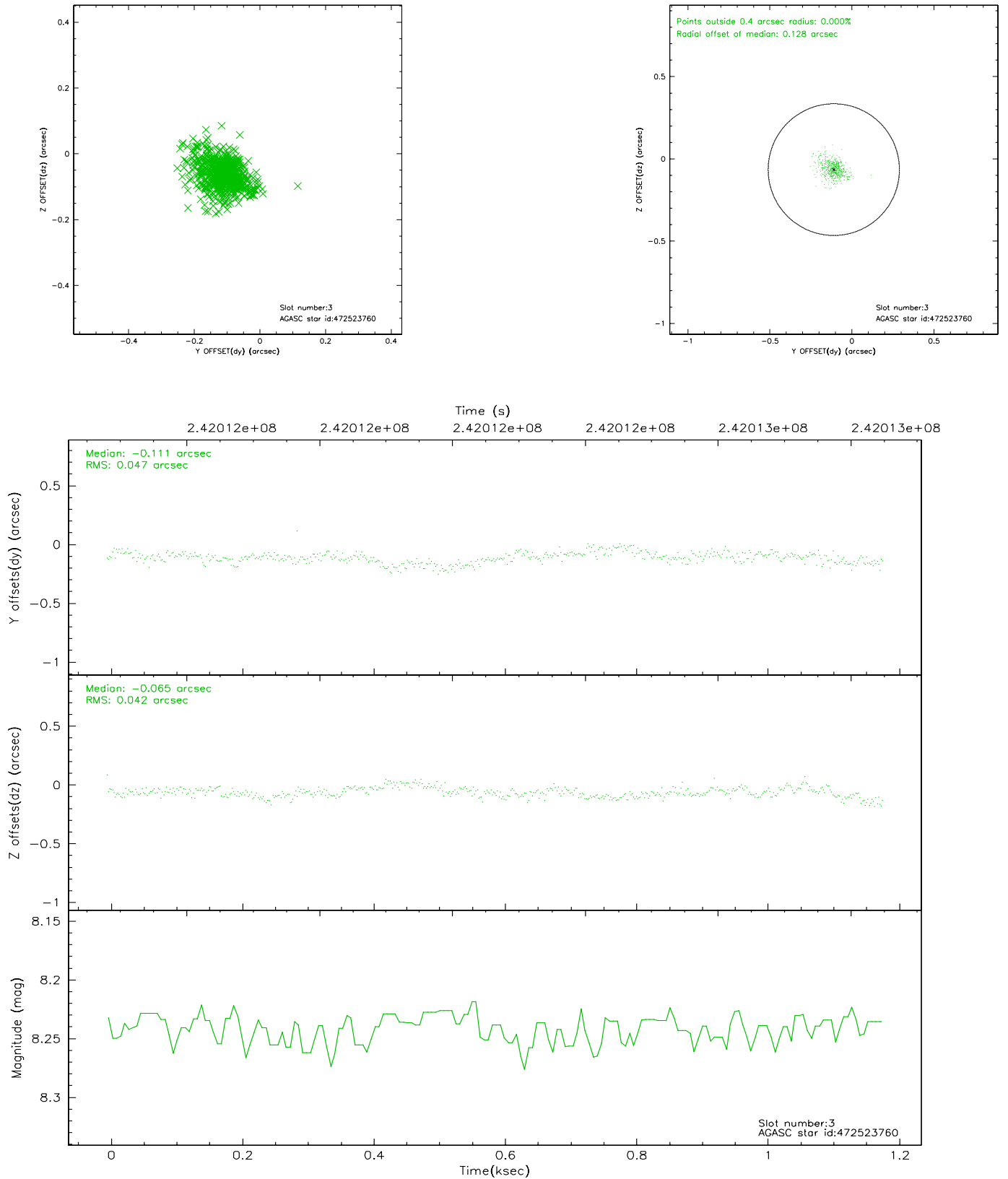
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-2	7.03	288	0.126	-0.098	0.008	0.015	0.000000	0.000000	1237.43	-449.87
1	FID	HRC-S-3	7.04	289	0.051	-0.102	0.004	0.010	0.000000	0.000000	-1160.73	570.82
2	FID	HRC-S-4	7.02	288	0.228	-0.095	0.008	0.017	0.000000	0.000000	1232.12	576.85
3	GUIDE	472523760	8.24	577	-0.111	-0.065	0.064	0.119	331.645363	45.403260	1844.19	877.13
4	GUIDE	472535576	7.87	577	-0.133	0.086	0.069	0.117	331.438373	46.291802	1724.85	-2359.61
5	GUIDE	472655152	9.45	574	0.148	-0.011	0.129	0.227	332.504239	45.862991	-590.67	-339.02
6	GUIDE	472665256	9.00	577	0.133	-0.017	0.084	0.136	332.808125	46.195041	-1560.98	-1371.05
7	GUIDE	472533912	9.16	576	-0.037	0.023	0.131	0.215	331.791136	46.368695	804.76	-2462.68

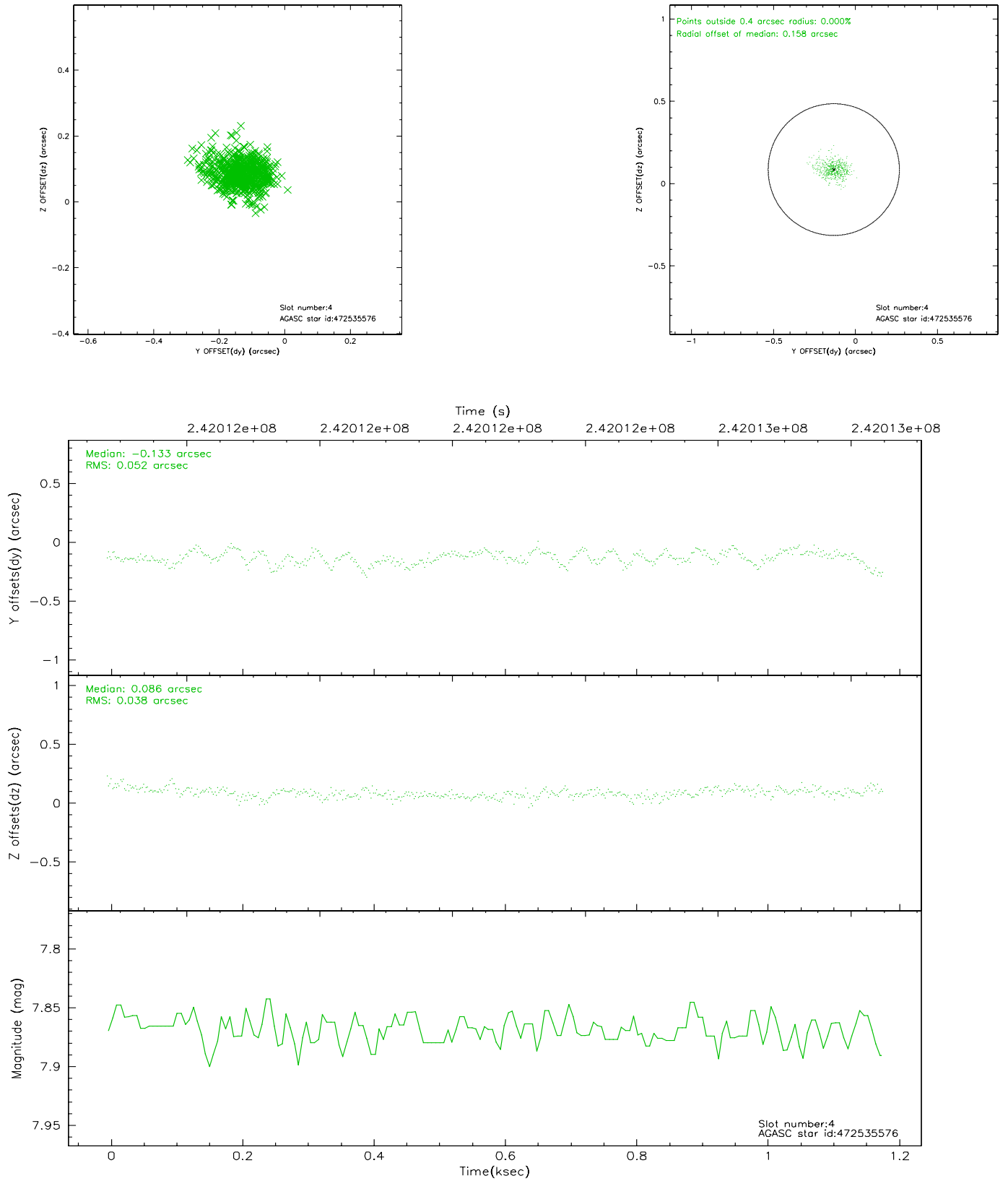


## 2.4 Star Slots

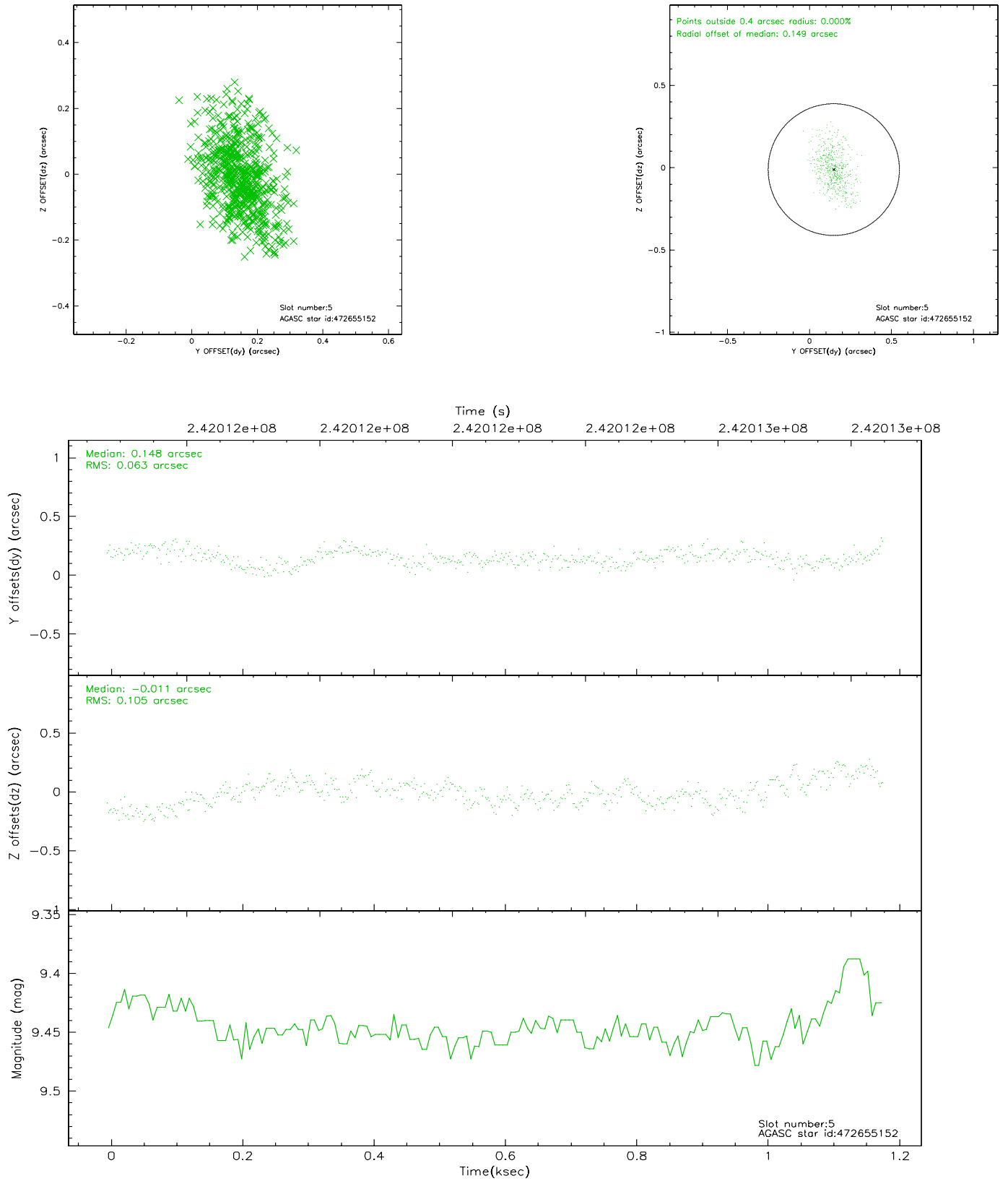
### 2.4.1 Slot 3



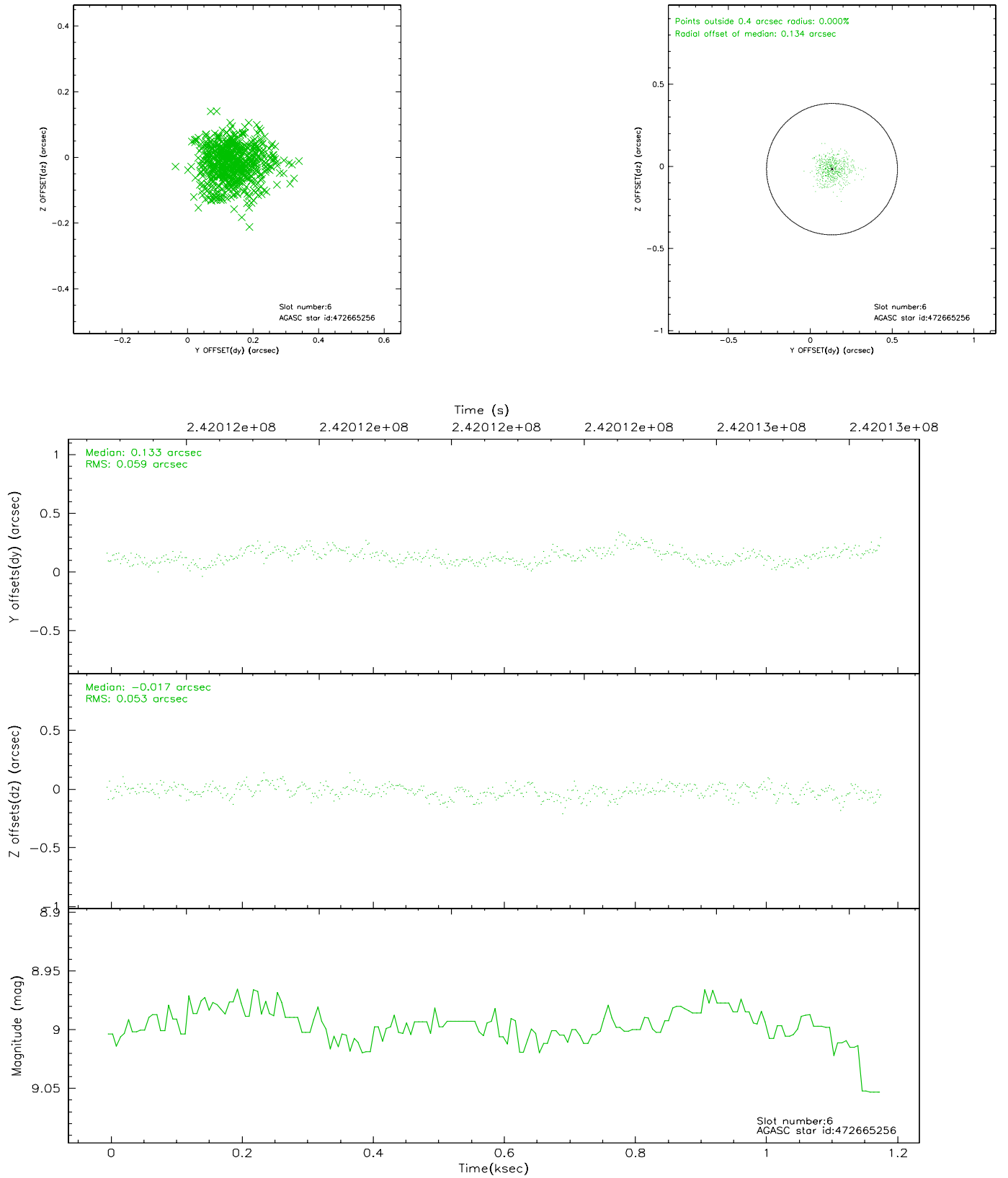
## 2.4.2 Slot 4



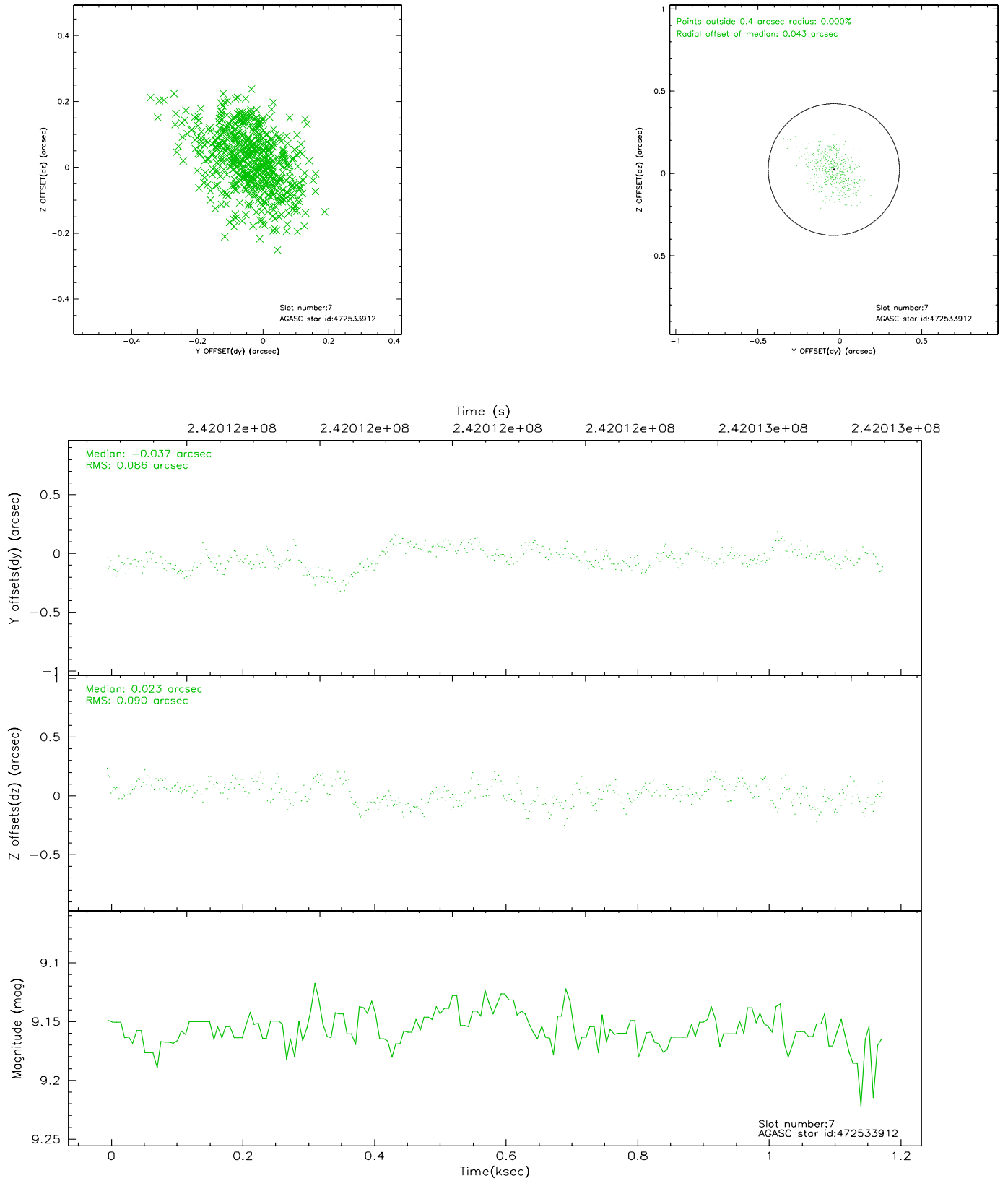
### 2.4.3 Slot 5



## 2.4.4 Slot 6

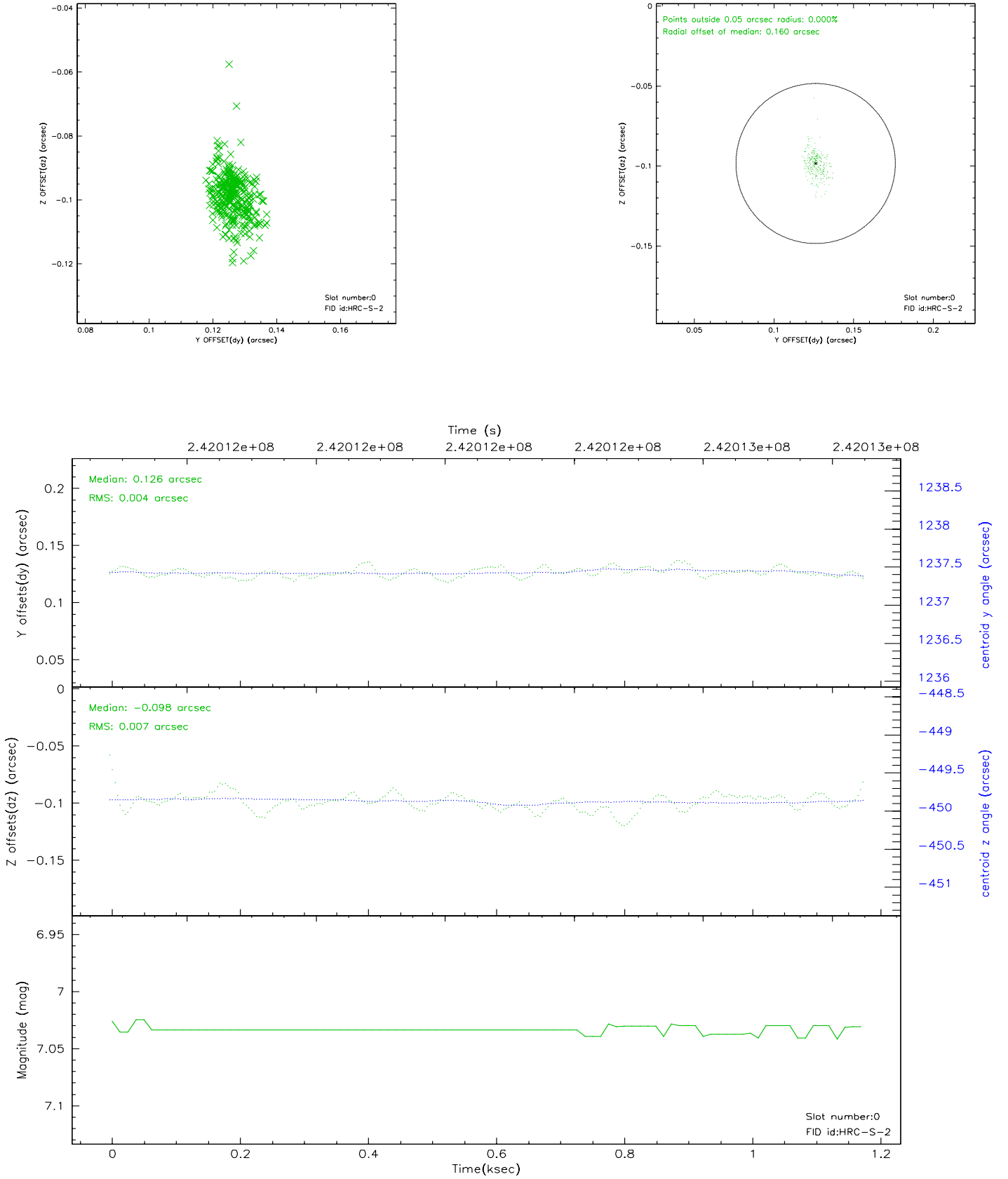


## 2.4.5 Slot 7

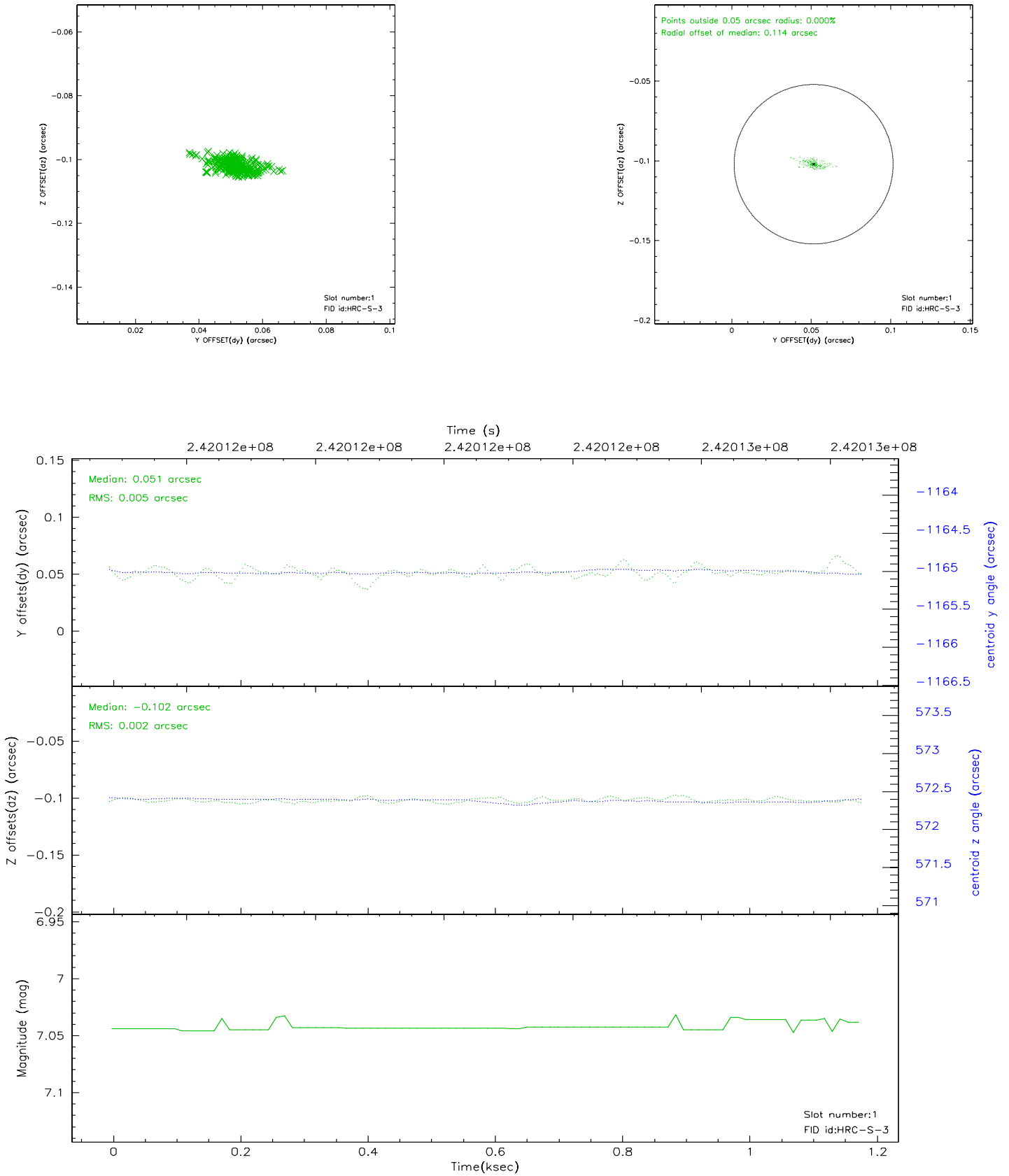


## 2.5 FID Slots

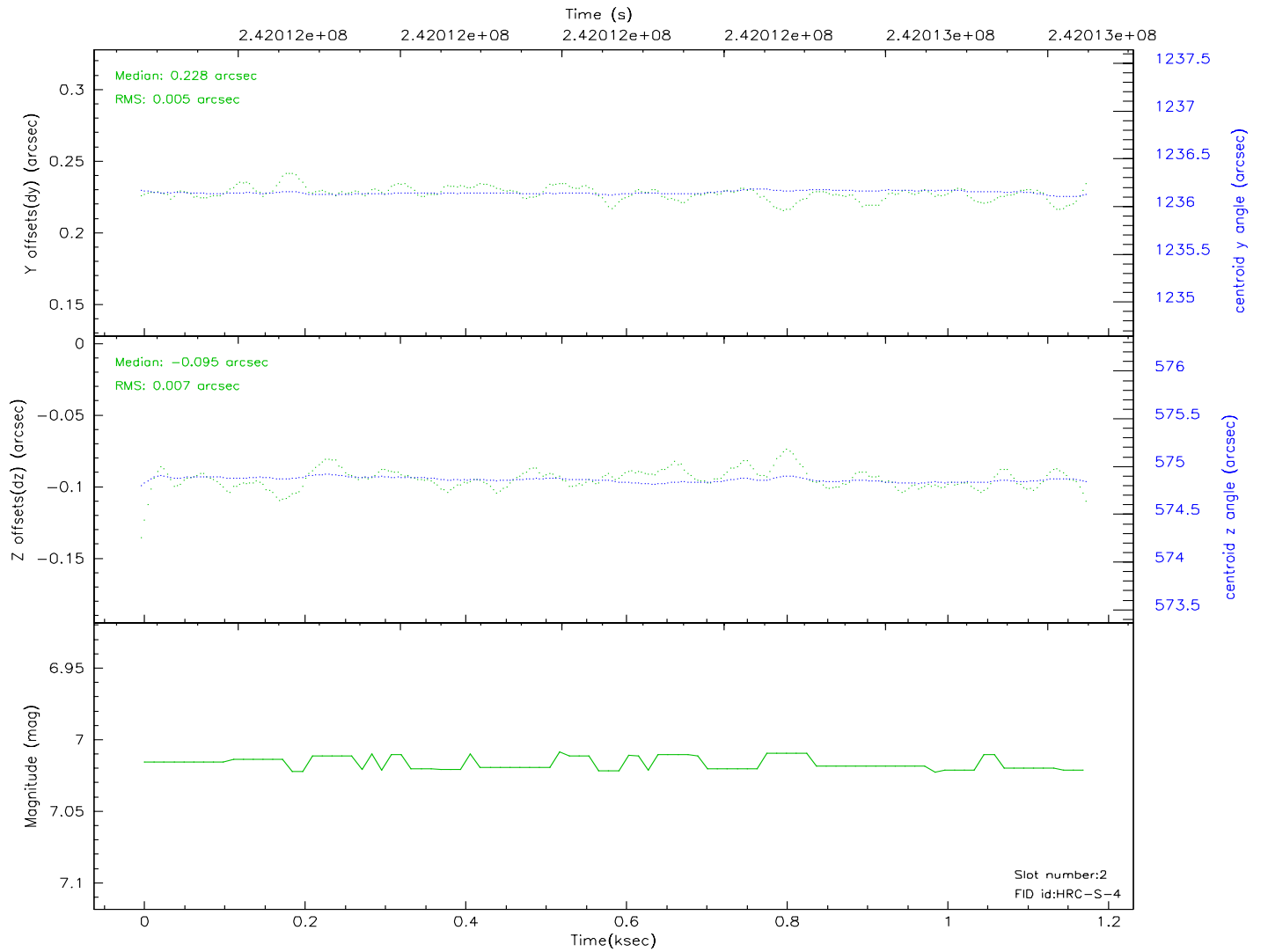
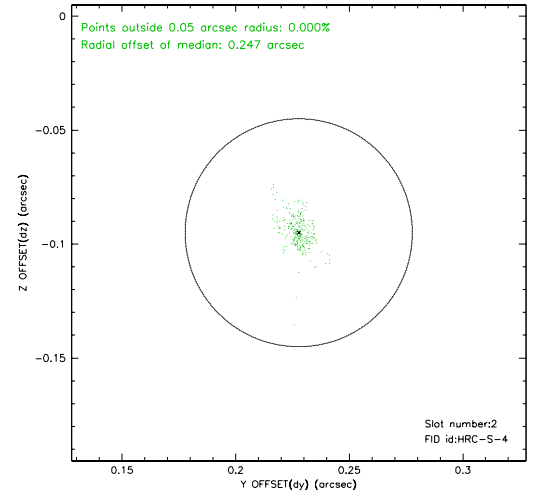
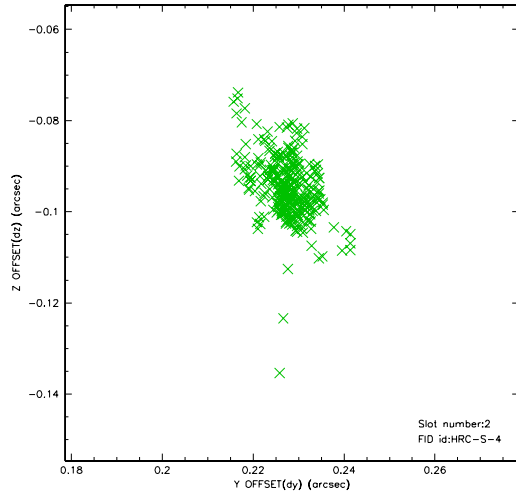
### 2.5.1 Slot 0



## 2.5.2 Slot 1

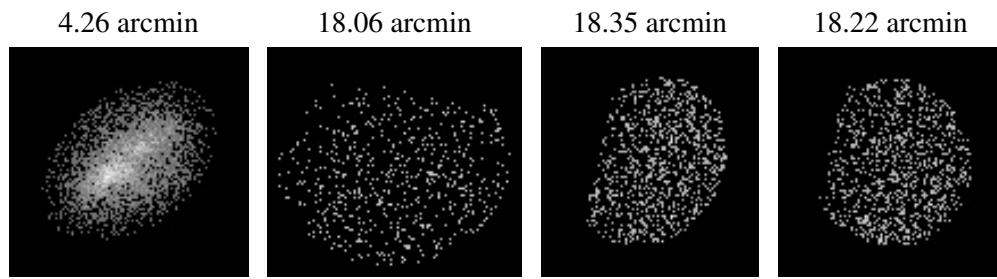


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.03.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.151331

### A.2 Comments