

# V&V Reference Report

## L2 ASCDS Version : 7.6.10

Observation 2369 - L2 Version 001  
Chandra X-Ray Center

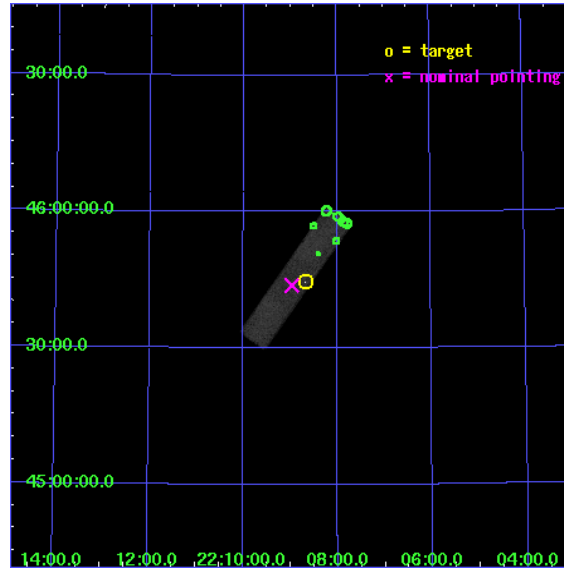
L2 Processing Date : Jun 21 2007

## 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

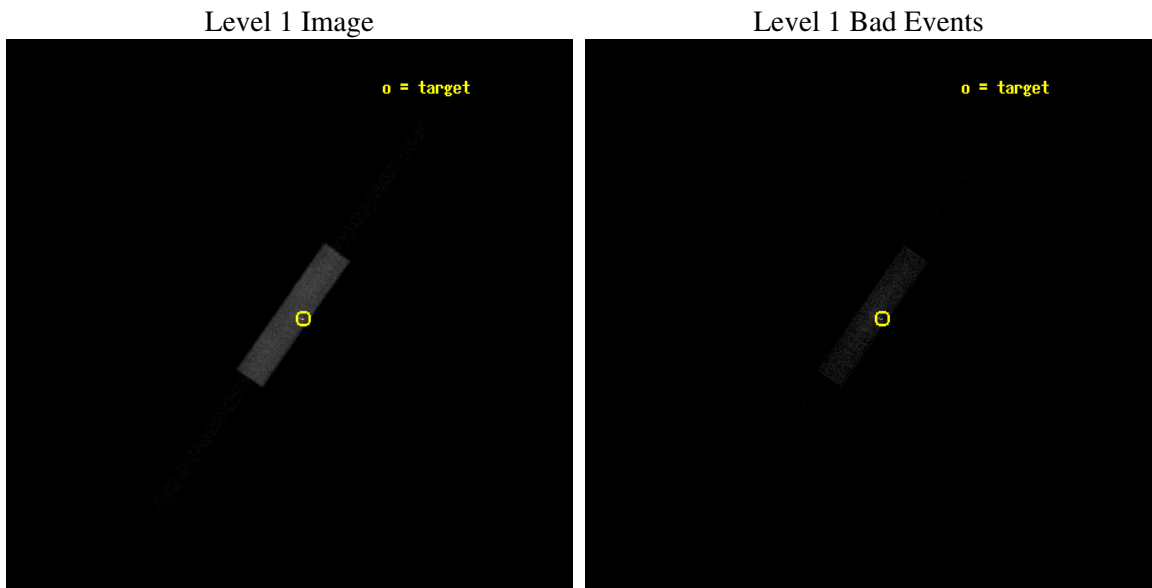
seq_num	290115
obs_id	2369
title	HRC-I CALIBRATION OBSERVATIONS OF ARLAC
observer	Dr. CXC Calibration
object	ARLAC,HRC-S,AO2
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.24125993064
dec_nom	45.730232088416
roll_nom	305.10095727228
revision	4
ontime	1142.1062936932
livetime	1134.9520305768
l2events	51232



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	0
ascdsver	7.6.10
caldbver	3.4.0
date	2007-06-21T15:04:29
revision	3

sched_exp_time	1000.000000
ontime	1142.1062936932
l1events	82272

### 2.1.3 Events

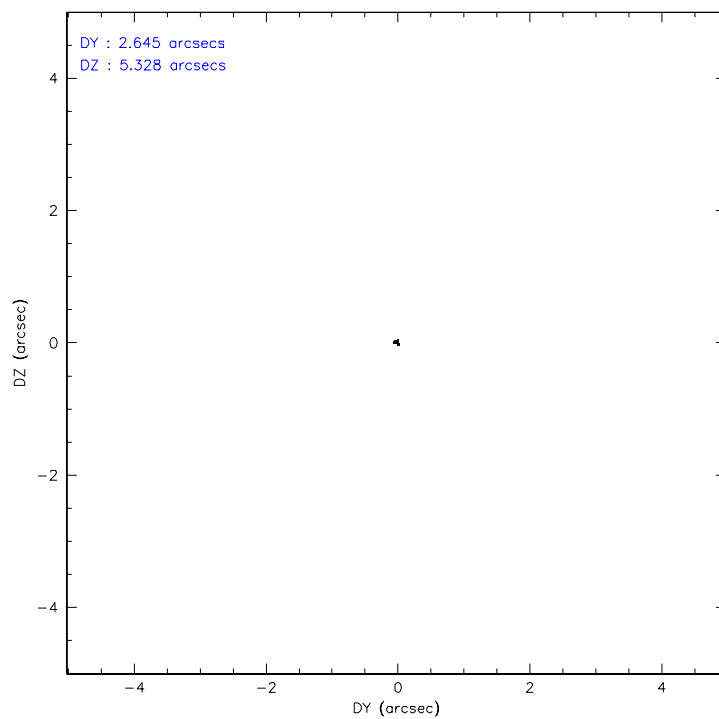
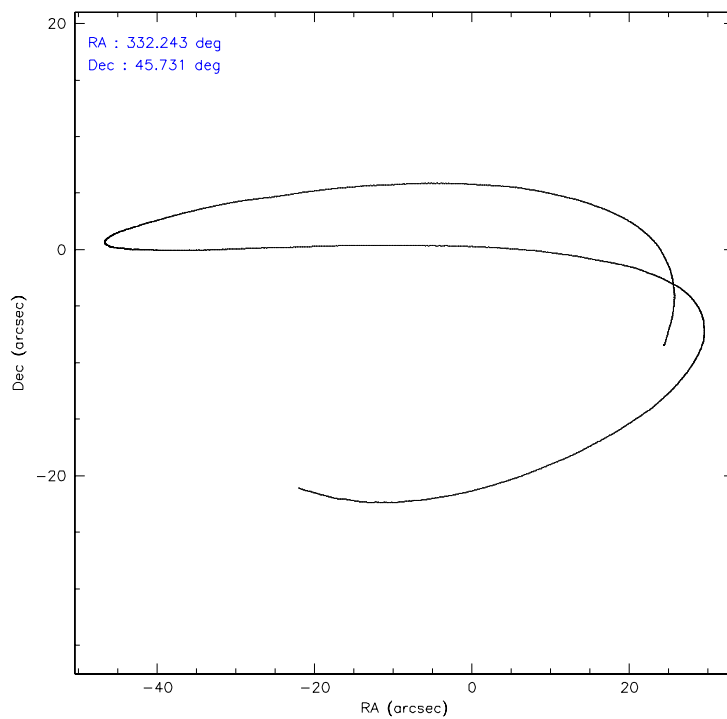
Level 1 Events

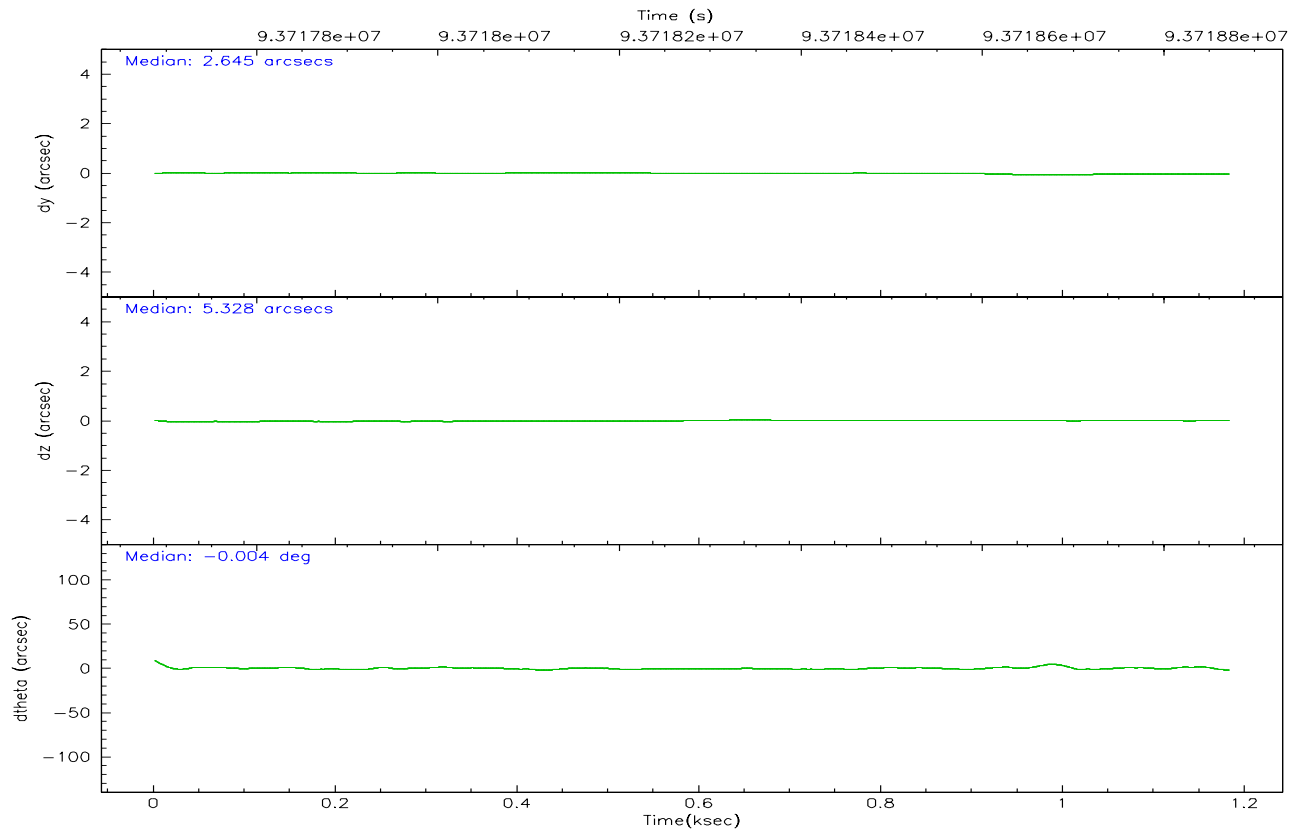
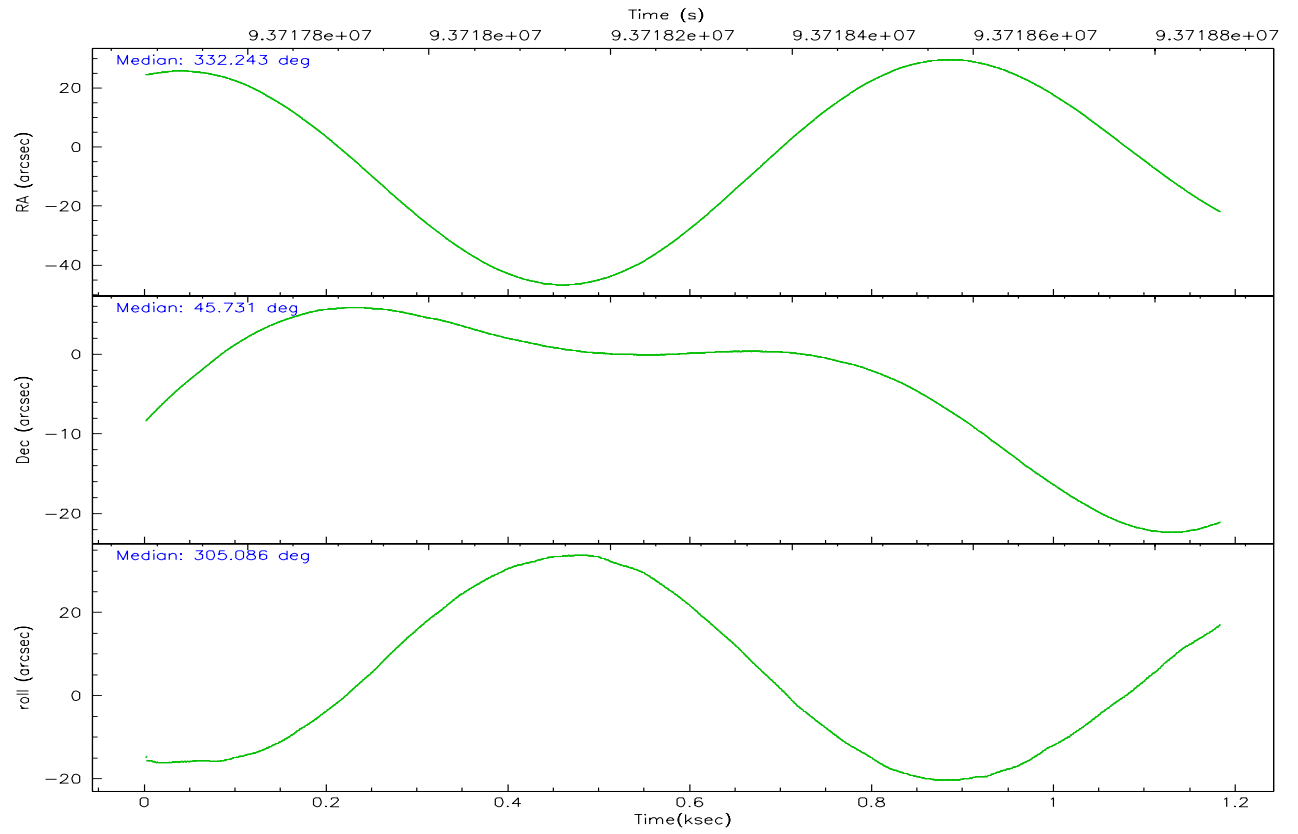
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	1346	79696	1230
rejected events	1346	25879	1230
rejected %	100%	32%	100%

## 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	332.202248	332.2412599306439			
Pointing Dec	45.740993	45.73023208841622			
Pointing Roll	305.061570	305.1009572722845			
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	93717872.184000	93717495.738874			
Observation start date	2000-12-20T16:43:28	2000-12-20T16:38:15			
Observation end time	93718872.184000	93719005.563932			
Observation end date	2000-12-20T17:00:08	2000-12-20T17:03:25			

## 2.3 Aspect





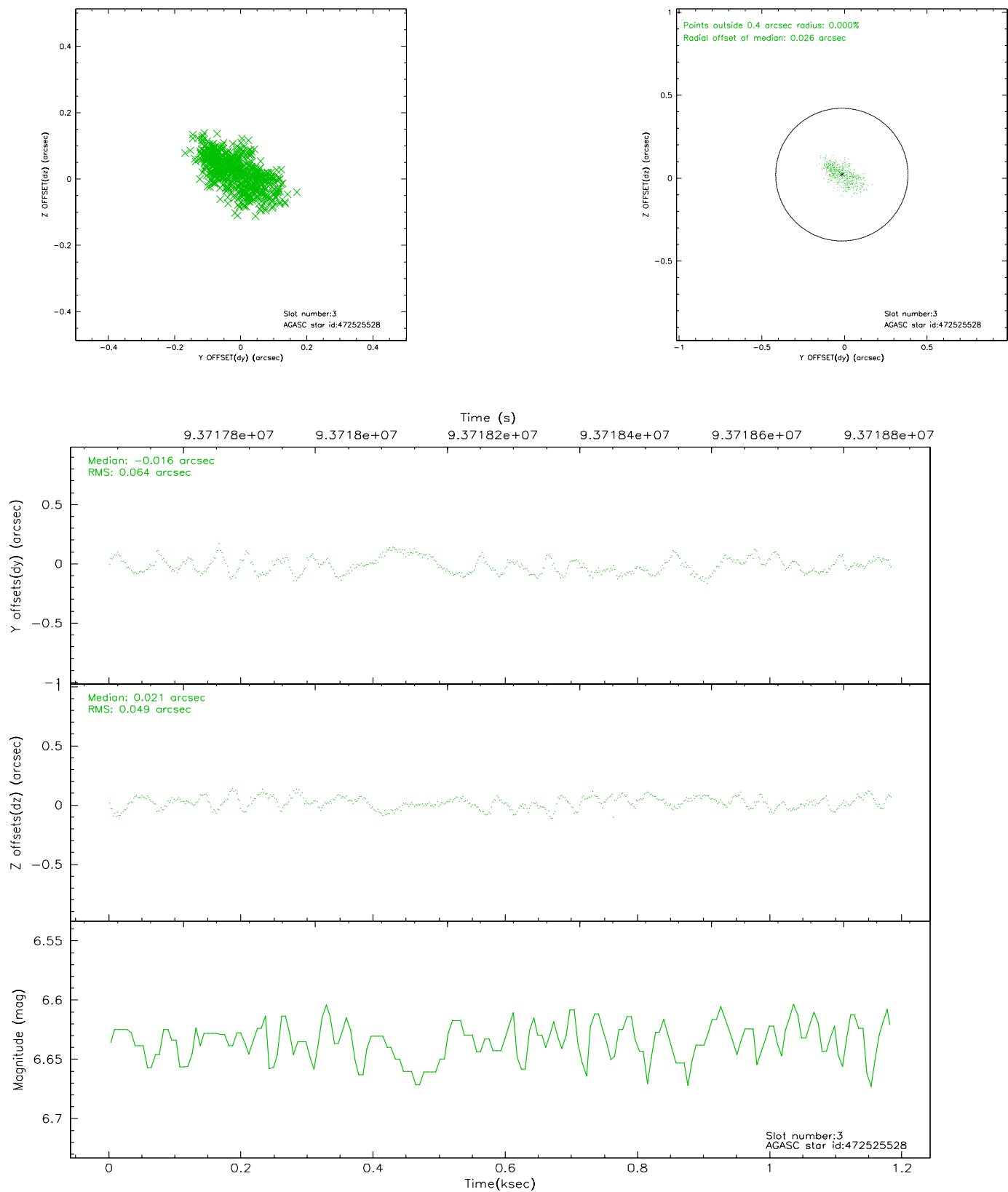
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.97	289	0.130	-0.106	0.005	0.011	0.000000	0.000000	-1156.67	-453.82
1	FID	HRC-S-2	6.98	289	0.129	-0.148	0.010	0.018	0.000000	0.000000	1239.01	-448.04
2	FID	HRC-S-4	6.93	288	0.144	-0.049	0.008	0.016	0.000000	0.000000	1245.89	576.80
3	GUIDE	472525528	6.63	578	-0.016	0.021	0.089	0.141	331.551102	45.248694	496.48	-2368.17
4	GUIDE	472523760	8.23	578	-0.014	-0.123	0.060	0.097	331.645363	45.403260	182.67	-1855.18
5	GUIDE	472665256	9.02	578	-0.093	-0.086	0.086	0.142	332.808125	46.195041	-476.87	2171.52
6	GUIDE	472659832	9.47	576	0.048	0.081	0.086	0.132	332.780399	46.098139	-230.04	1923.61
7	GUIDE	472655152	9.43	577	0.070	0.120	0.078	0.132	332.504239	45.862991	72.50	873.05

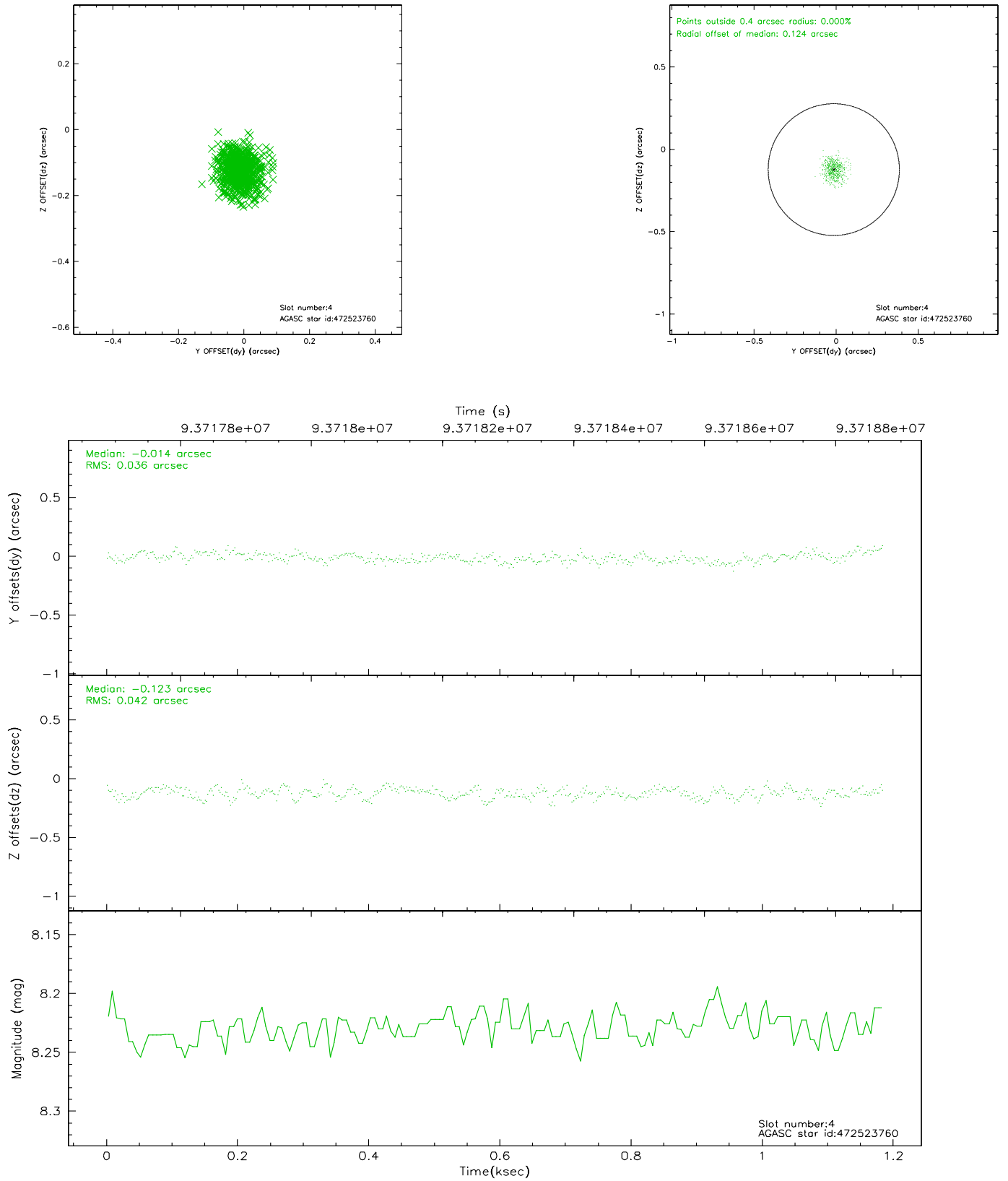


## 2.4 Star Slots

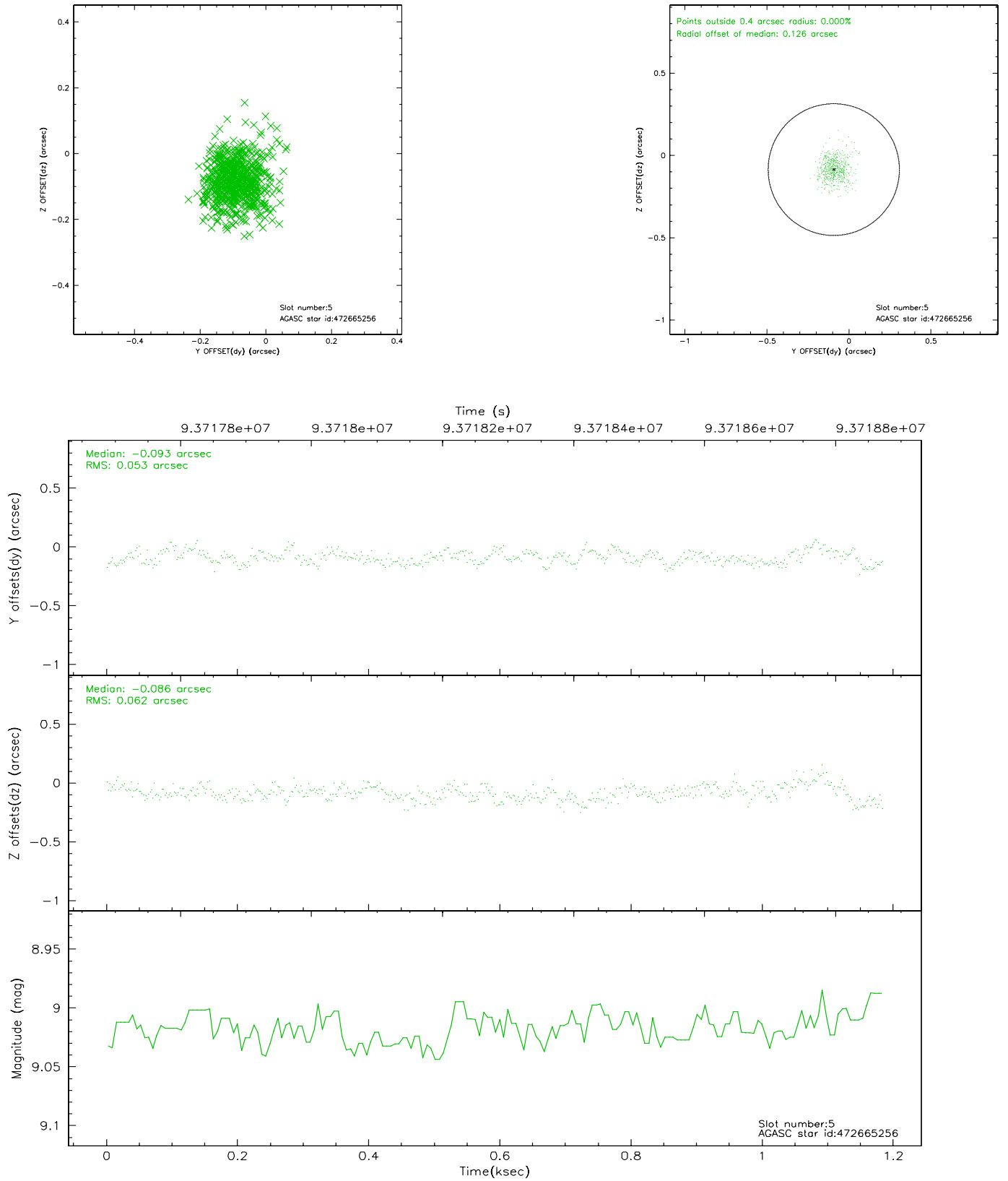
### 2.4.1 Slot 3



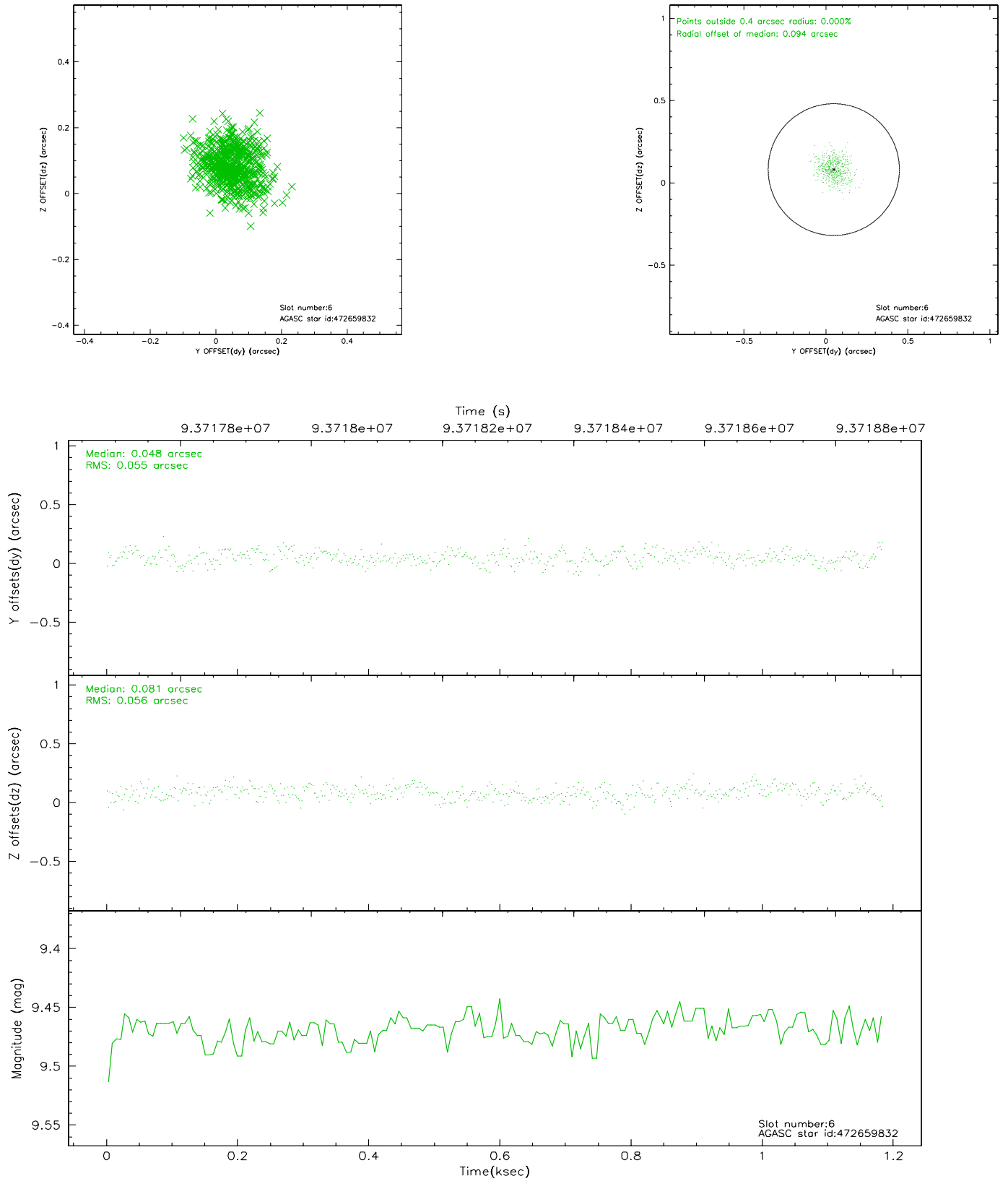
## 2.4.2 Slot 4



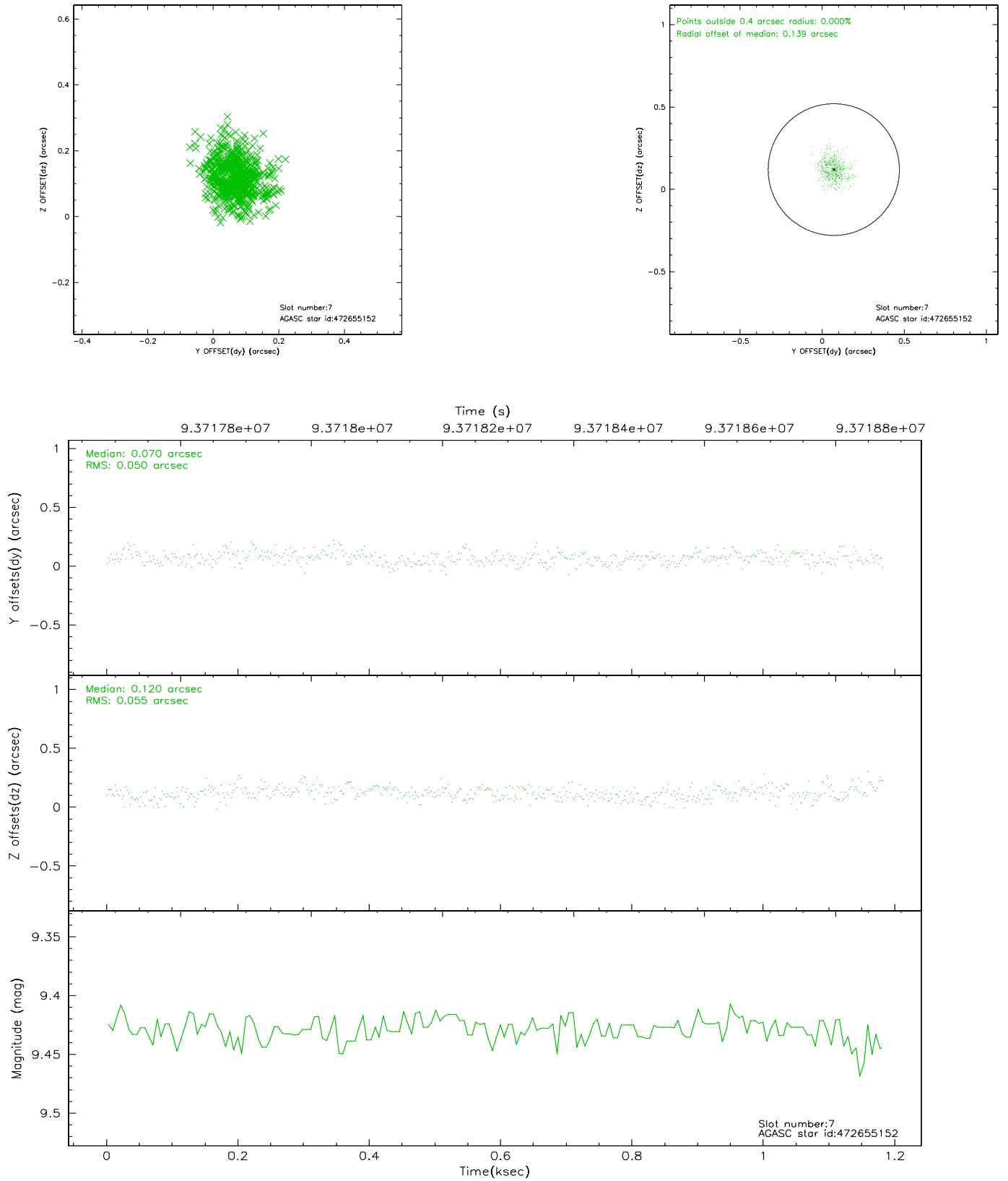
### 2.4.3 Slot 5



## 2.4.4 Slot 6

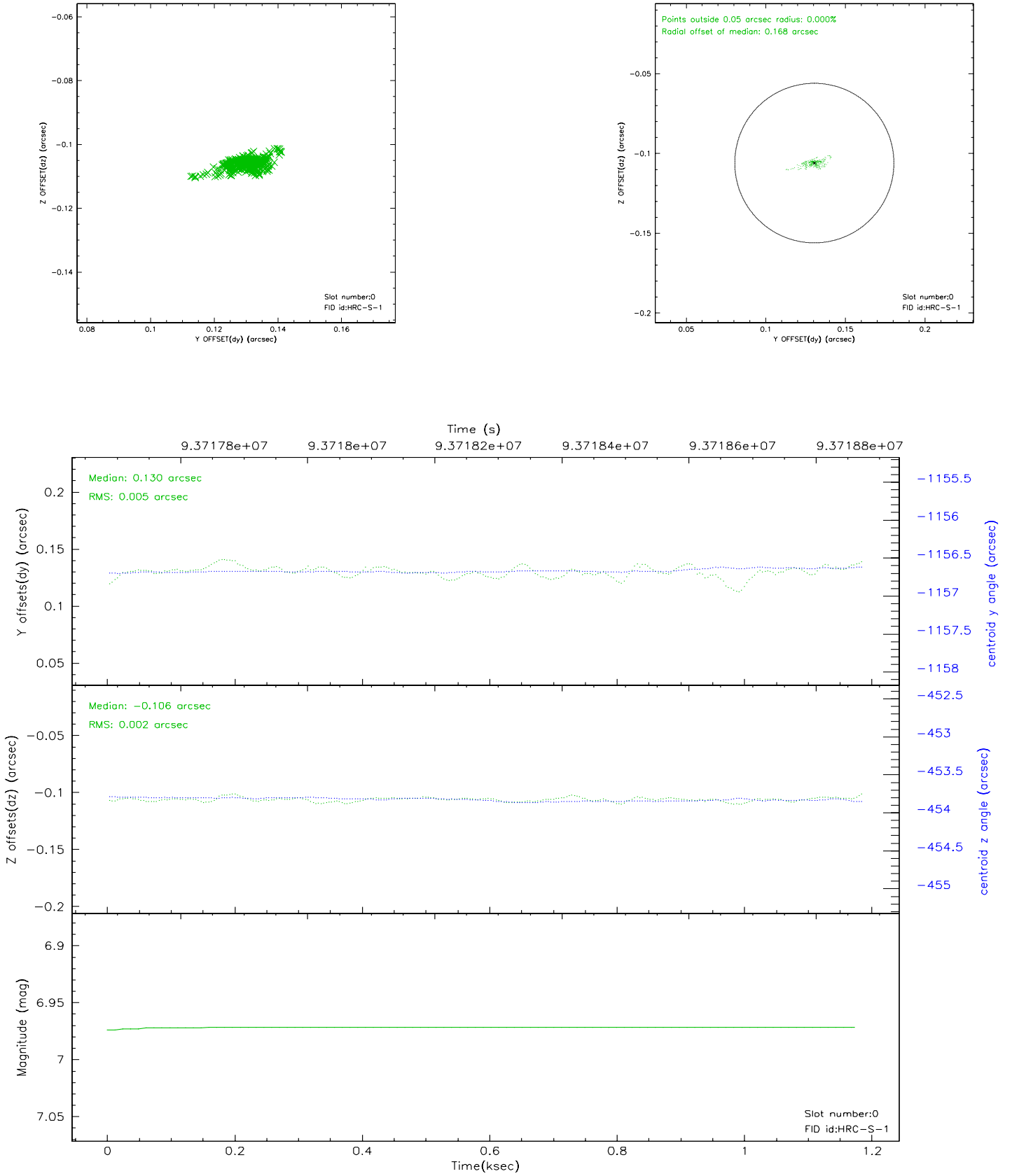


## 2.4.5 Slot 7

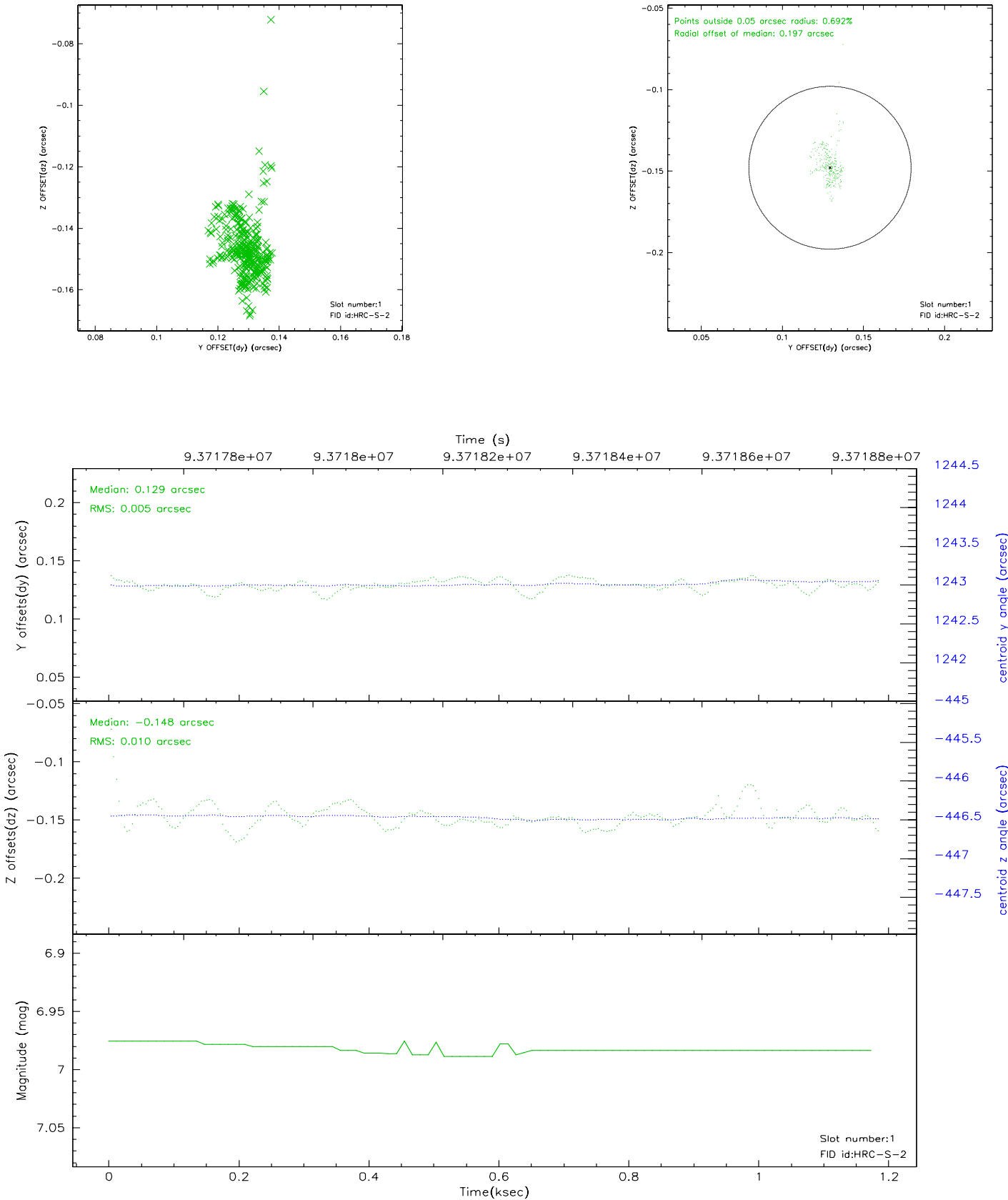


## 2.5 FID Slots

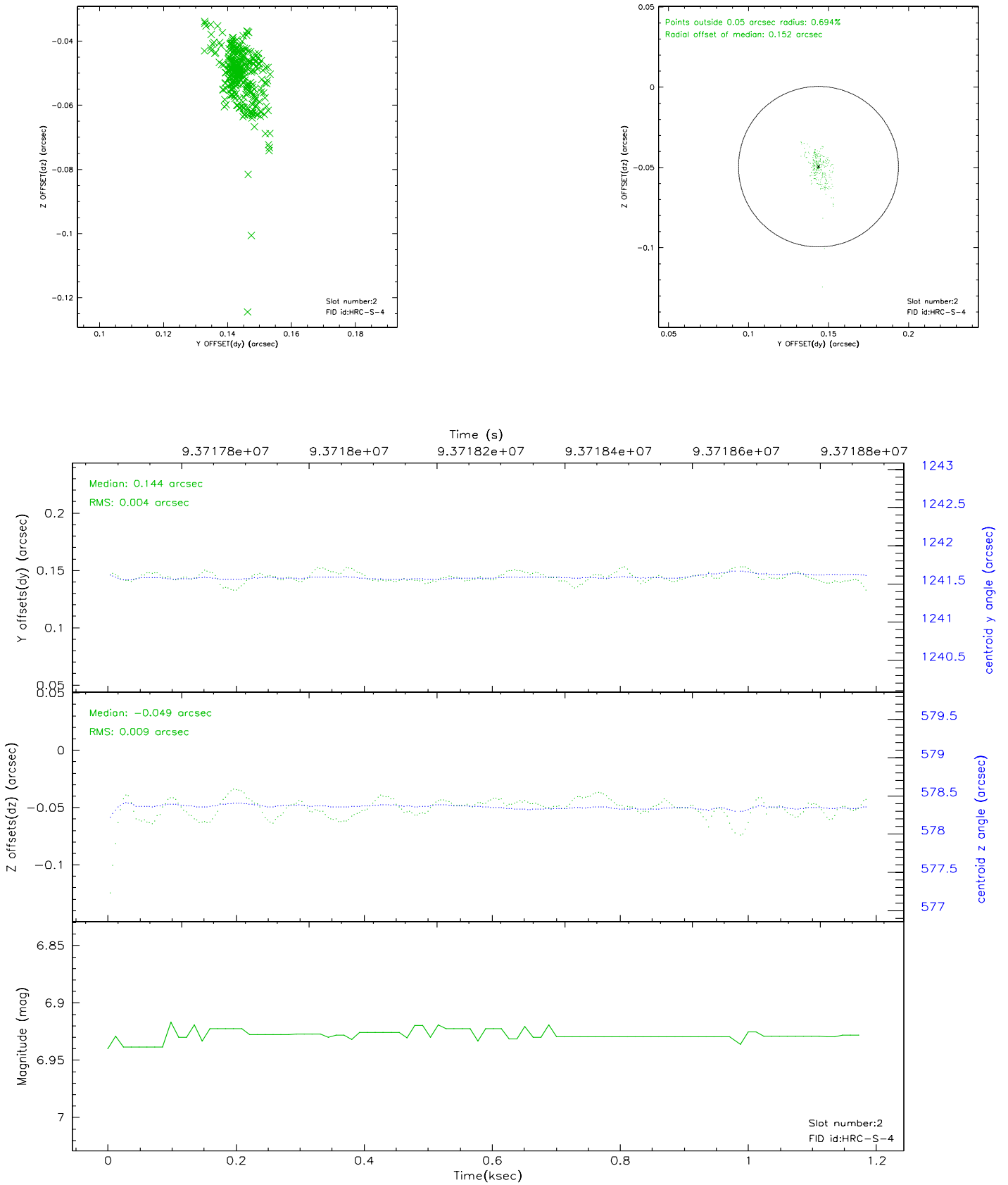
### 2.5.1 Slot 0



2.5.2 Slot 1

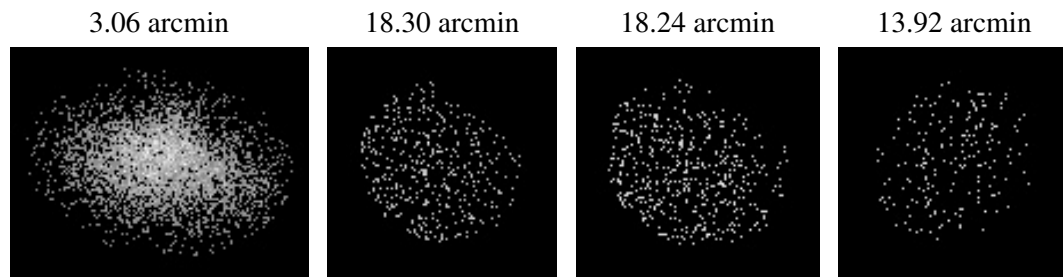


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2007.06.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.181

### A.2 Comments