

# V&V Reference Report

## L2 ASCDS Version : 7.6.8.1

Observation 2645 - L2 Version 001  
Chandra X-Ray Center

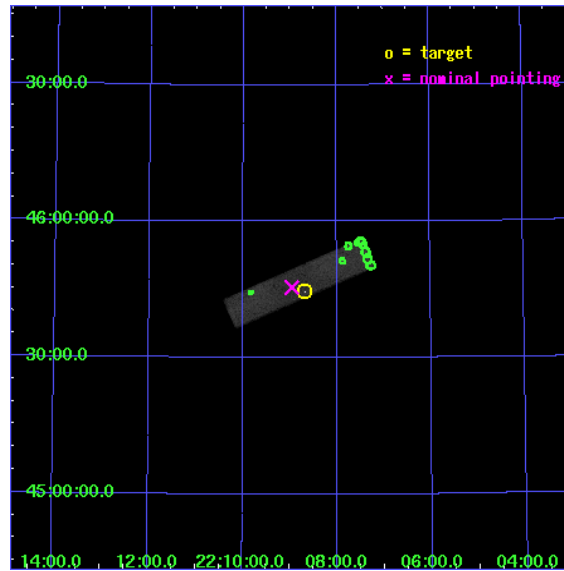
L2 Processing Date : Aug 29 2006

## 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

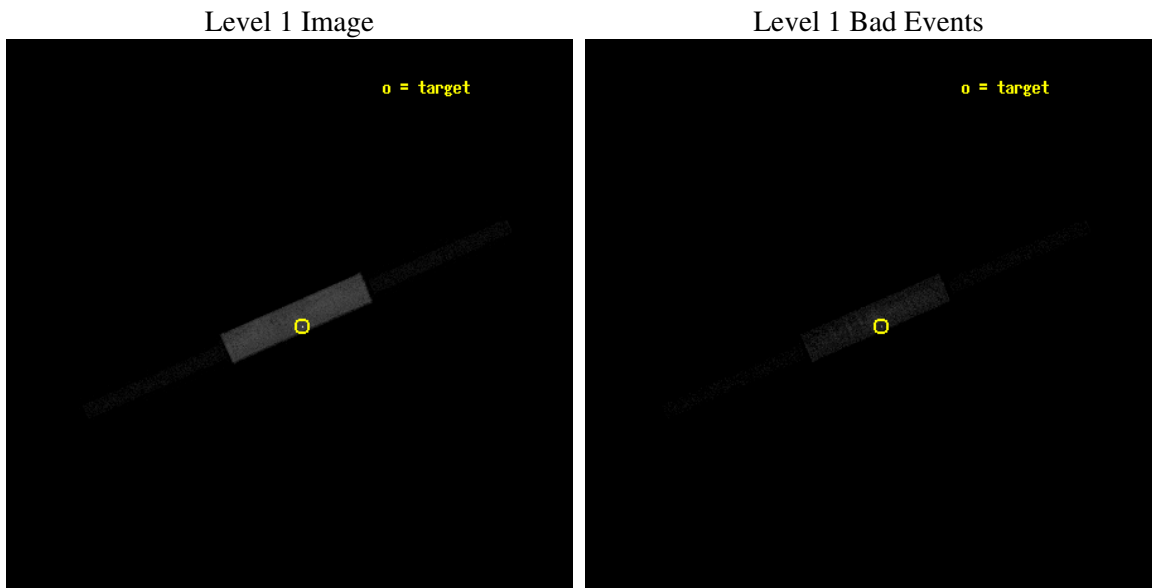
seq_num	290201
obs_id	2645
title	AO3A HRC-S CALIBRATION OBSERVATION: MINI-SCAN OF ARLAC
observer	Dr. CXC Calibration
object	ARLAC
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.23924317536
dec_nom	45.758382396788
roll_nom	336.44552805604
revision	2
ontime	1142.1062960178
livetime	1134.3919052144
l2events	55463



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	1
ascdsver	7.6.8.1
caldbver	3.2.3
date	2006-08-29T06:55:09
revision	2

sched_exp_time	1000.000000
ontime	1192.0750480294
l1events	91431

### 2.1.3 Events

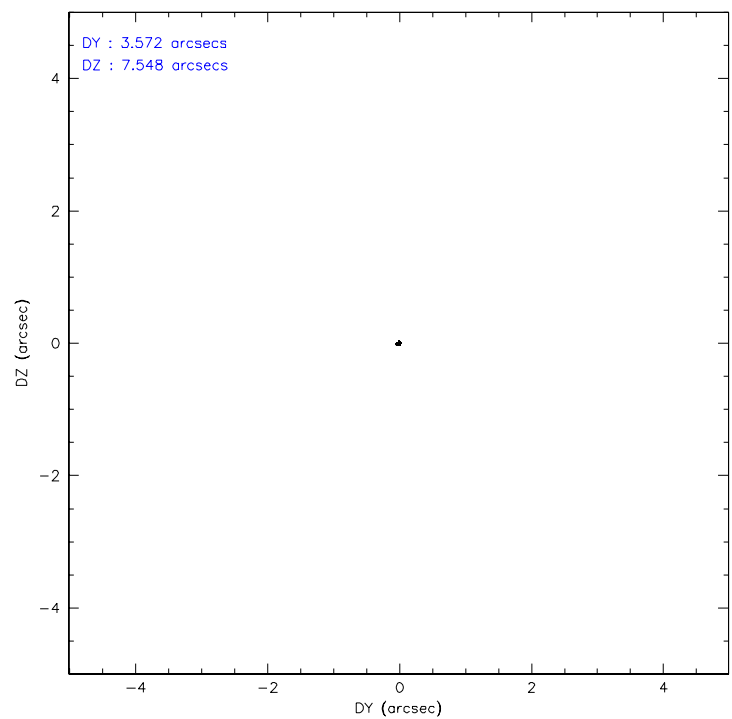
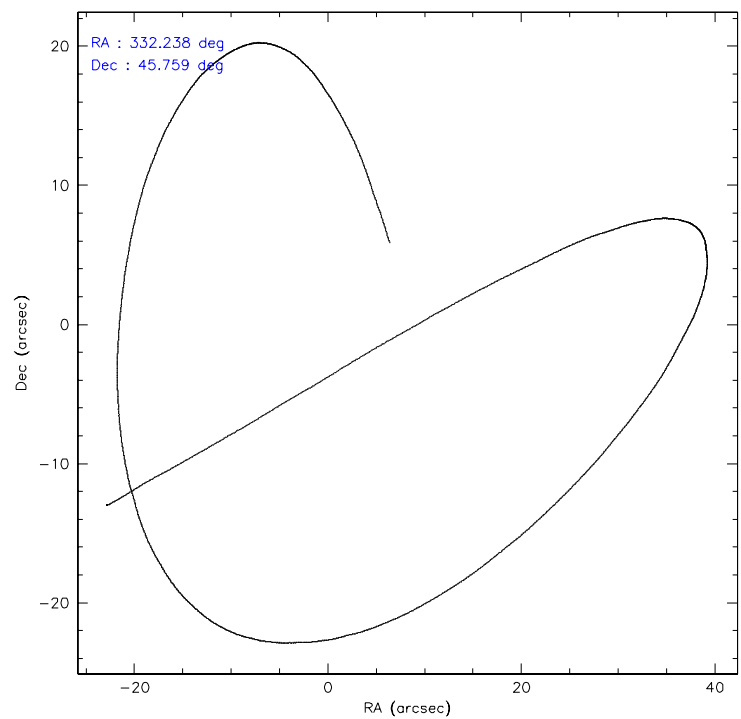
Level 1 Events

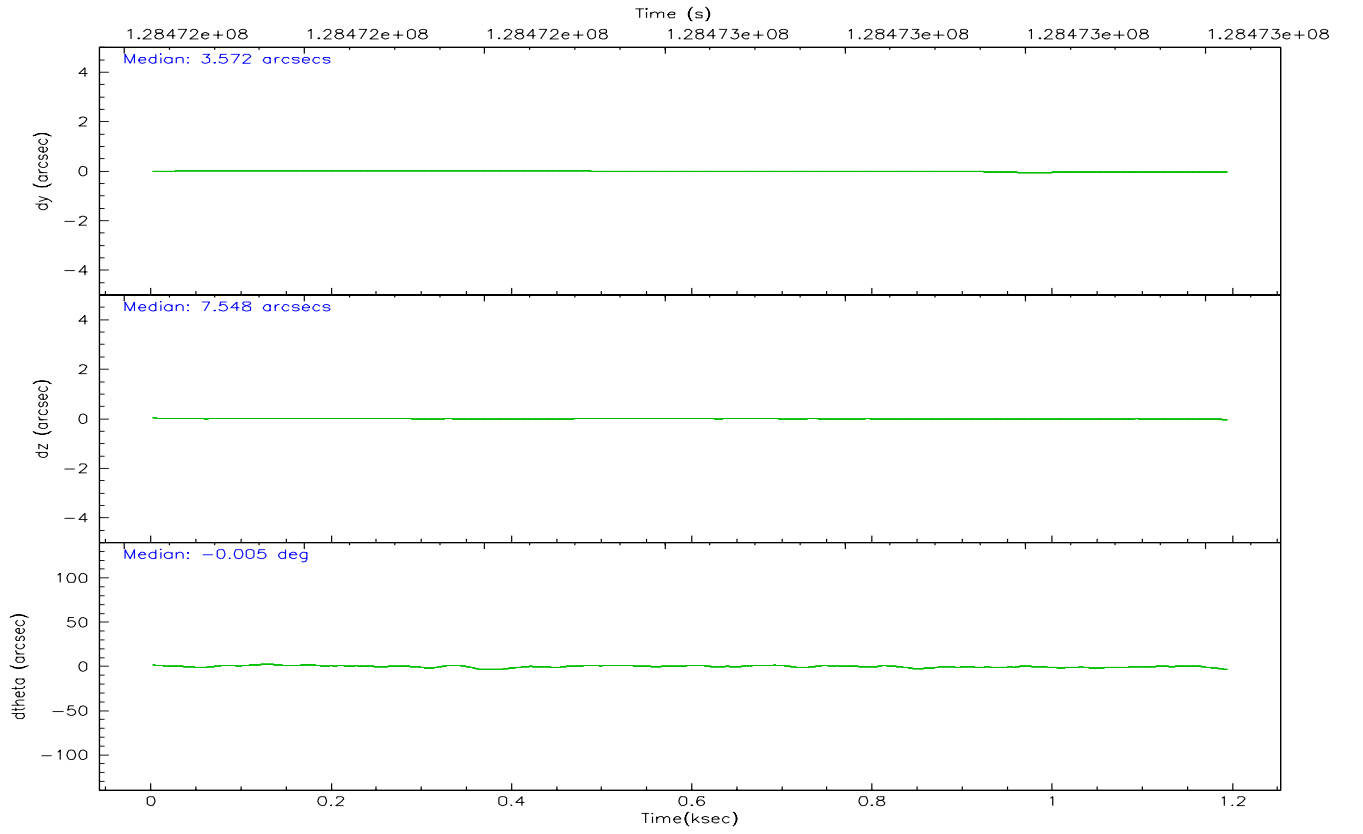
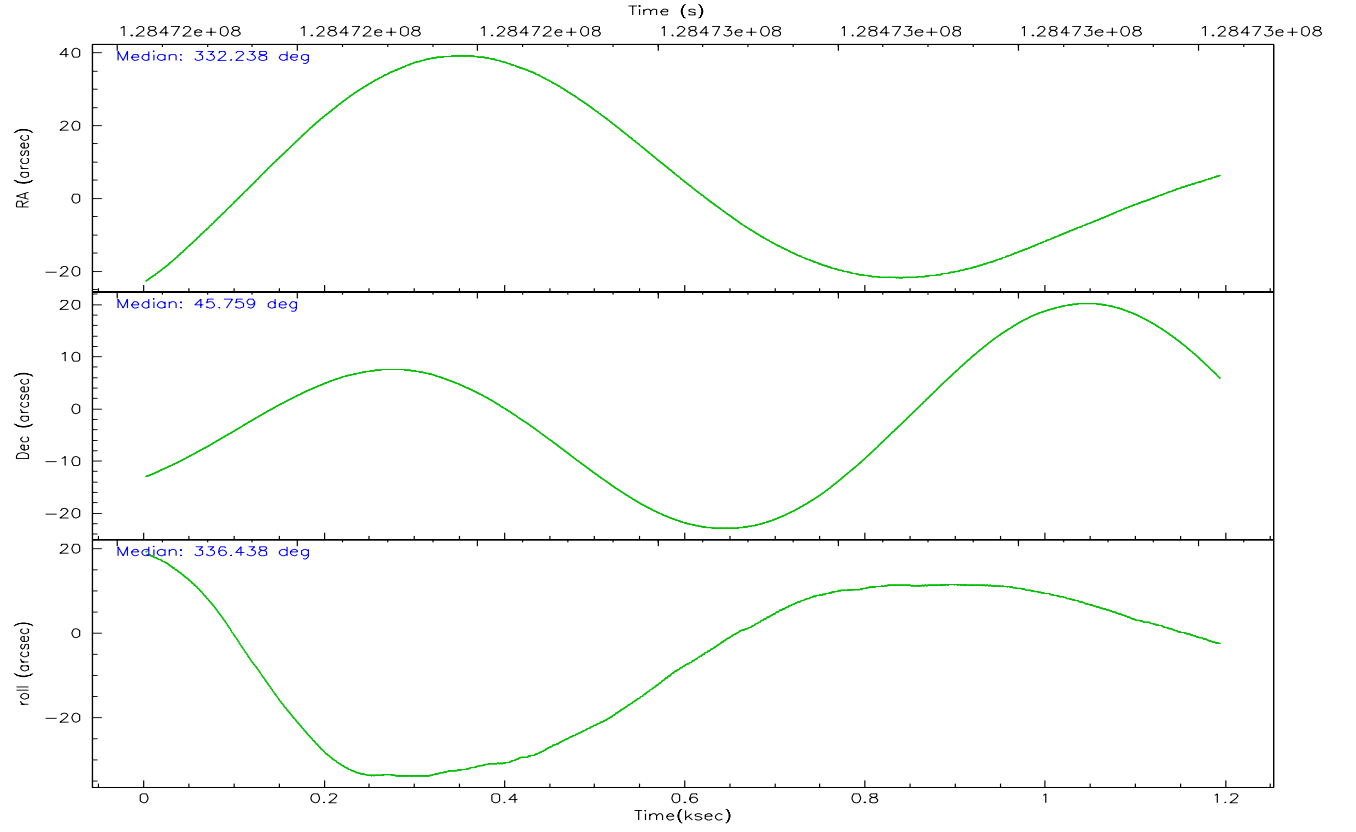
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	2398	86917	2116
rejected events	2398	28488	2116
rejected %	100%	32%	100%

## 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	332.198515	332.2392431753636			
Pointing Dec	45.752896	45.75838239678807			
Pointing Roll	336.407441	336.4455280560431			
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	128472227.184000	128471851.27701			
Observation start date	2002-01-26T22:42:43	2002-01-26T22:37:31			
Observation end time	128473227.184000	128473397.48957			
Observation end date	2002-01-26T22:59:23	2002-01-26T23:03:17			

## 2.3 Aspect





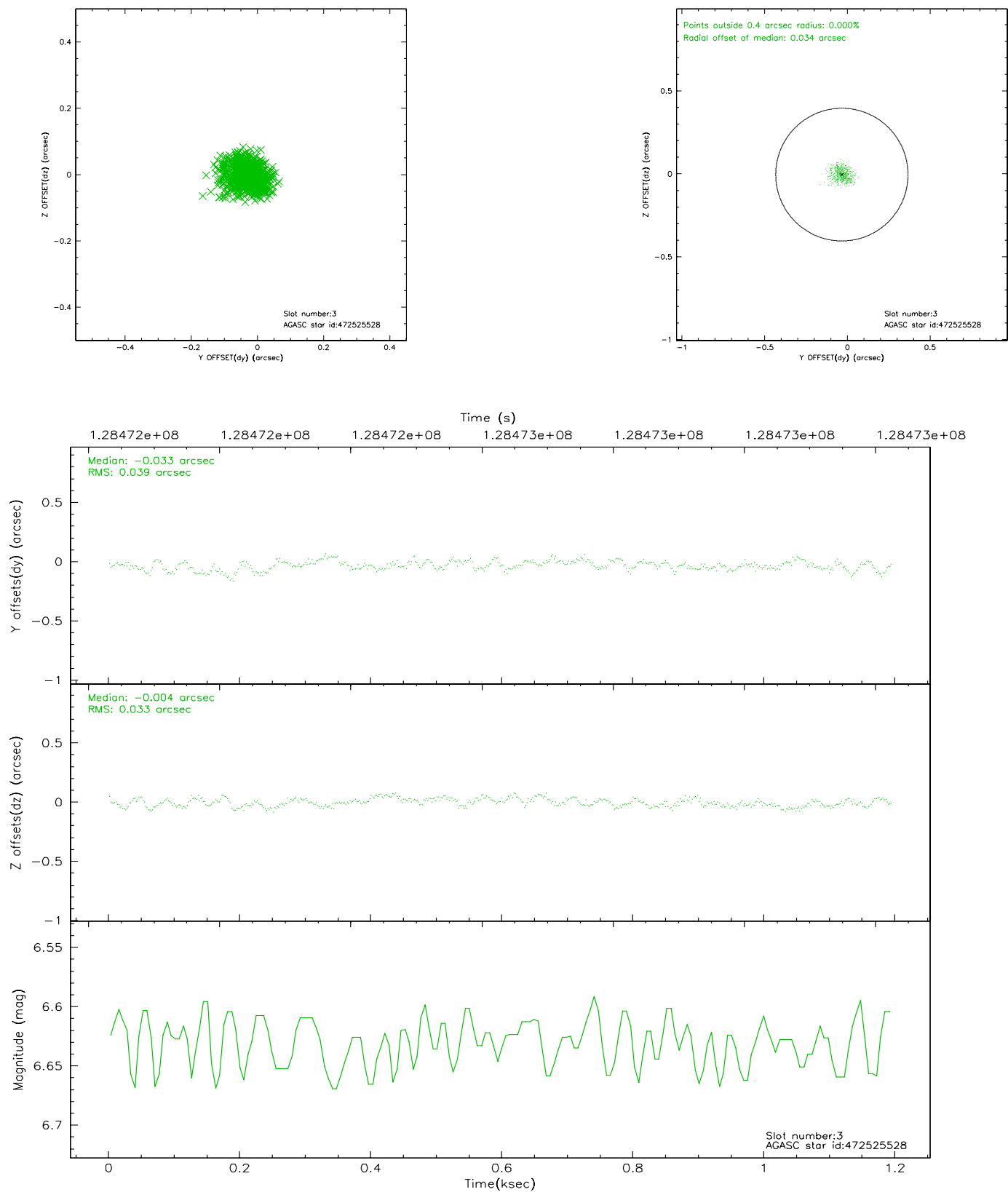
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.98	291	0.111	-0.082	0.007	0.010	0.000000	0.000000	-1157.62	-456.12
1	FID	HRC-S-3	7.00	291	0.145	-0.124	0.008	0.011	0.000000	0.000000	-1164.33	571.80
2	FID	HRC-S-4	6.93	291	0.132	-0.092	0.005	0.009	0.000000	0.000000	1236.62	578.02
3	GUIDE	472525528	6.63	583	-0.033	-0.004	0.056	0.084	331.551102	45.248694	-779.08	-2317.94
4	GUIDE	472523760	8.23	583	-0.042	-0.101	0.067	0.106	331.645363	45.403260	-780.06	-1716.60
5	GUIDE	472665256	9.01	583	-0.044	-0.005	0.082	0.123	332.808125	46.195041	751.56	2065.45
6	GUIDE	472659832	9.47	583	0.096	0.098	0.118	0.201	332.780399	46.098139	833.22	1725.27
7	GUIDE	472654568	9.44	581	0.024	-0.008	0.097	0.165	332.194449	45.063576	986.09	-2278.91

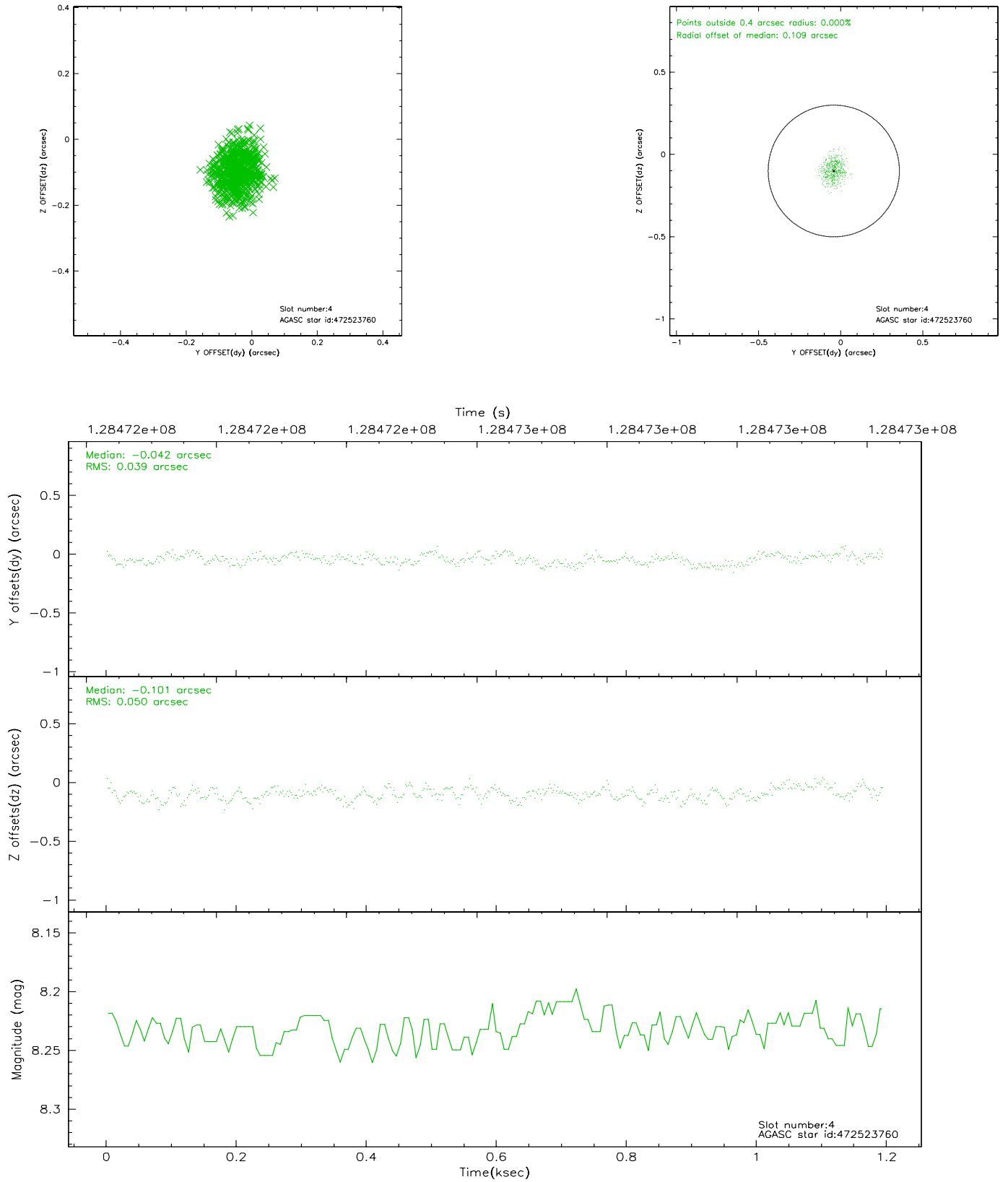


## 2.4 Star Slots

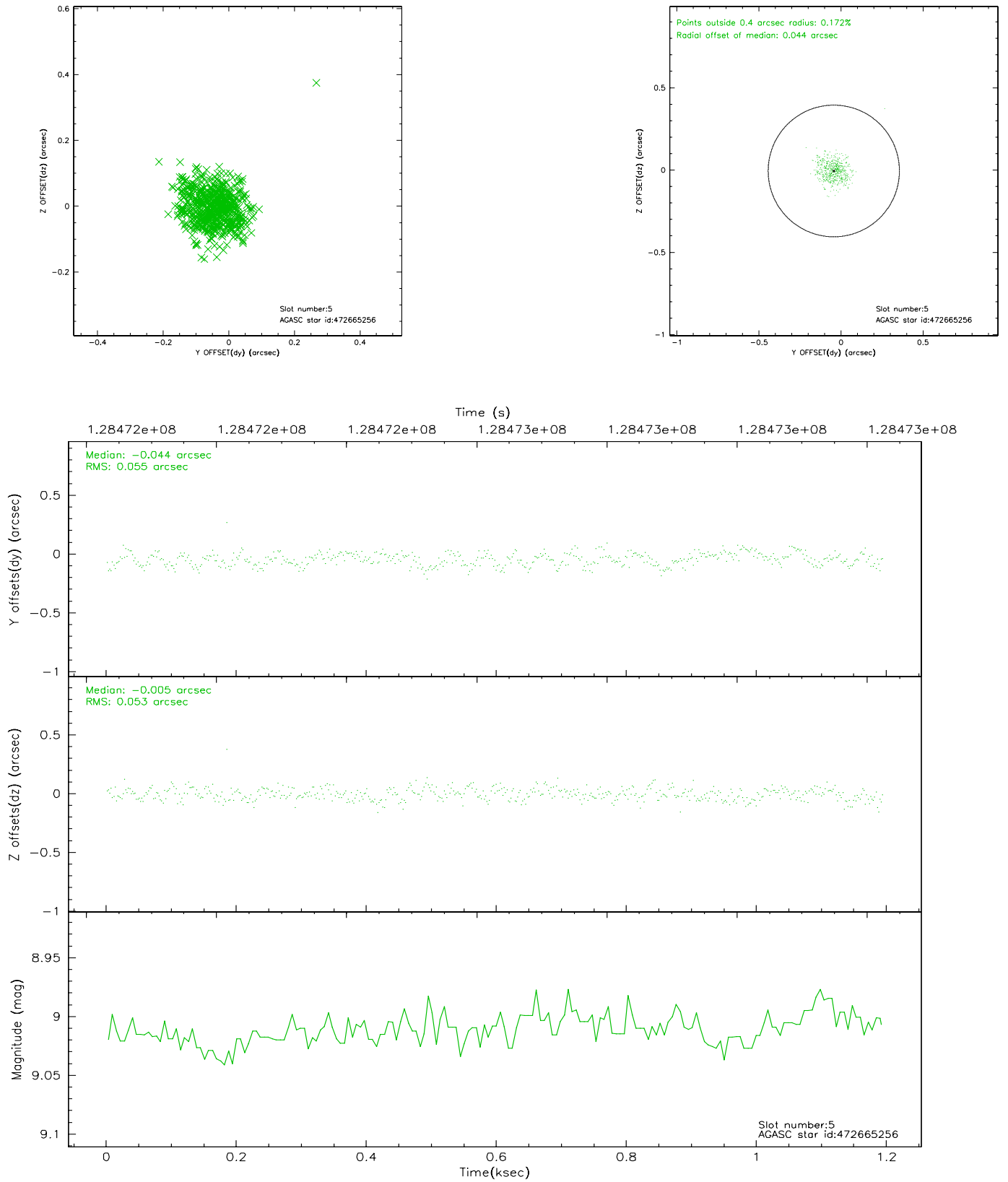
### 2.4.1 Slot 3



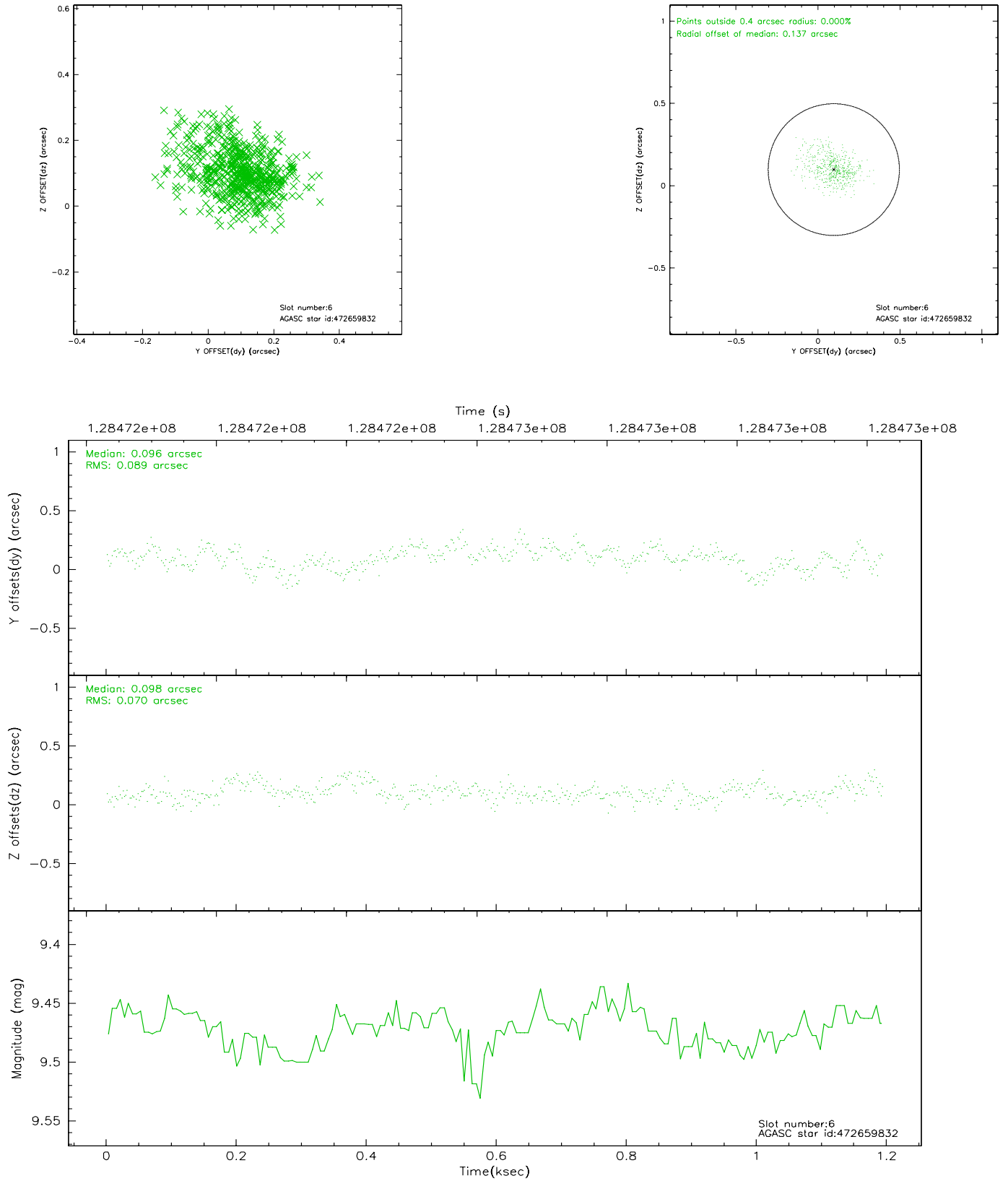
## 2.4.2 Slot 4



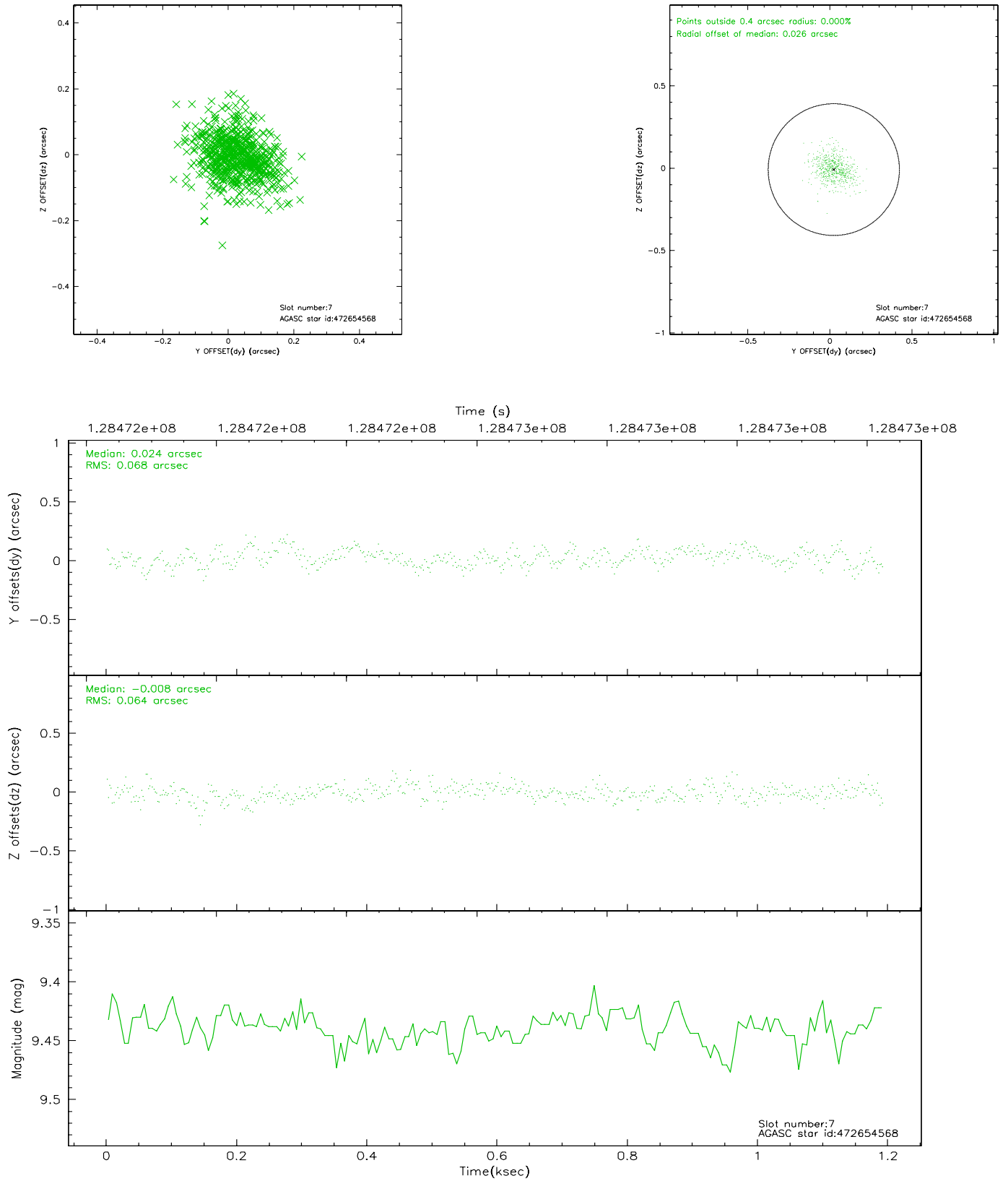
### 2.4.3 Slot 5



## 2.4.4 Slot 6

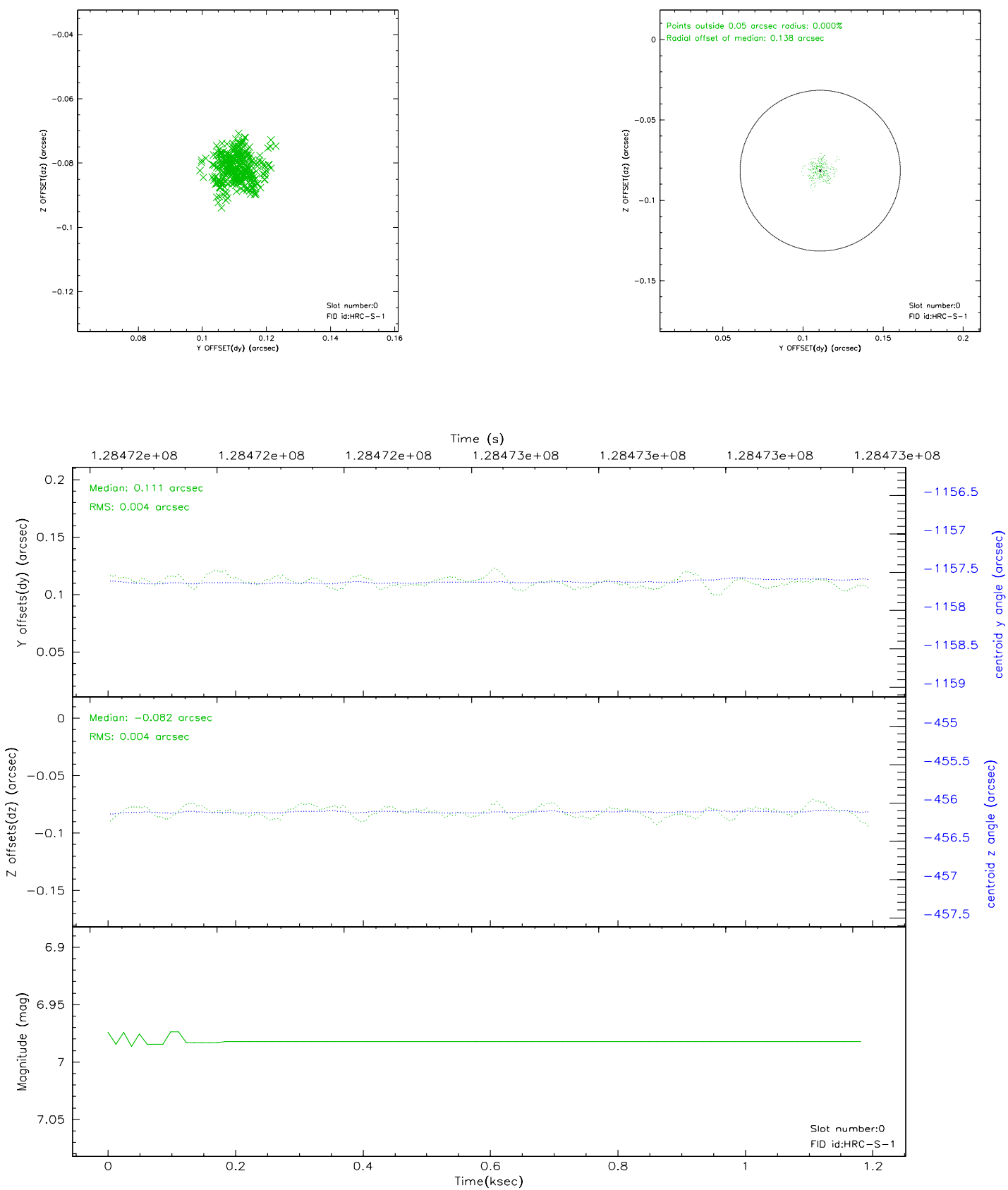


## 2.4.5 Slot 7

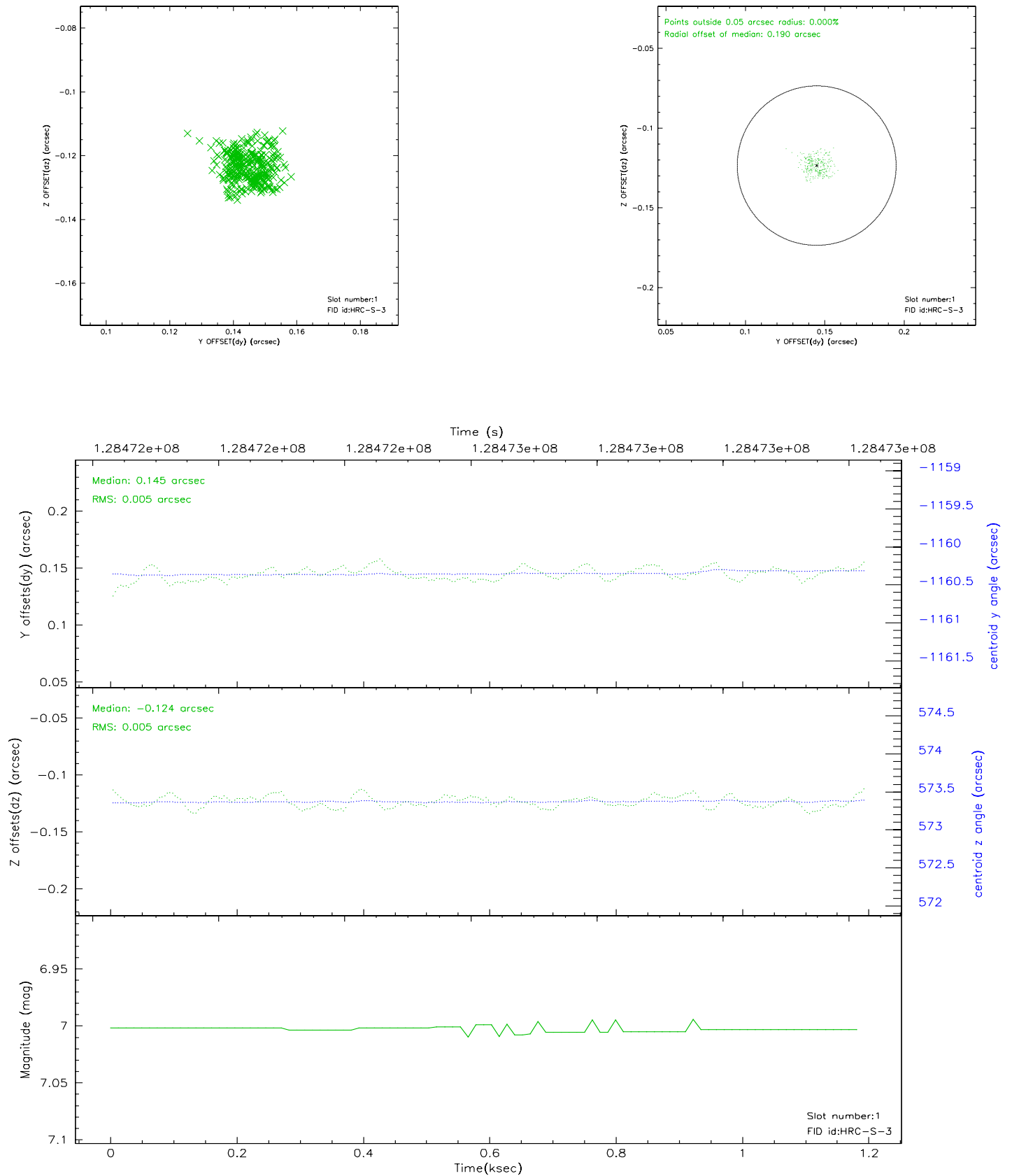


## 2.5 FID Slots

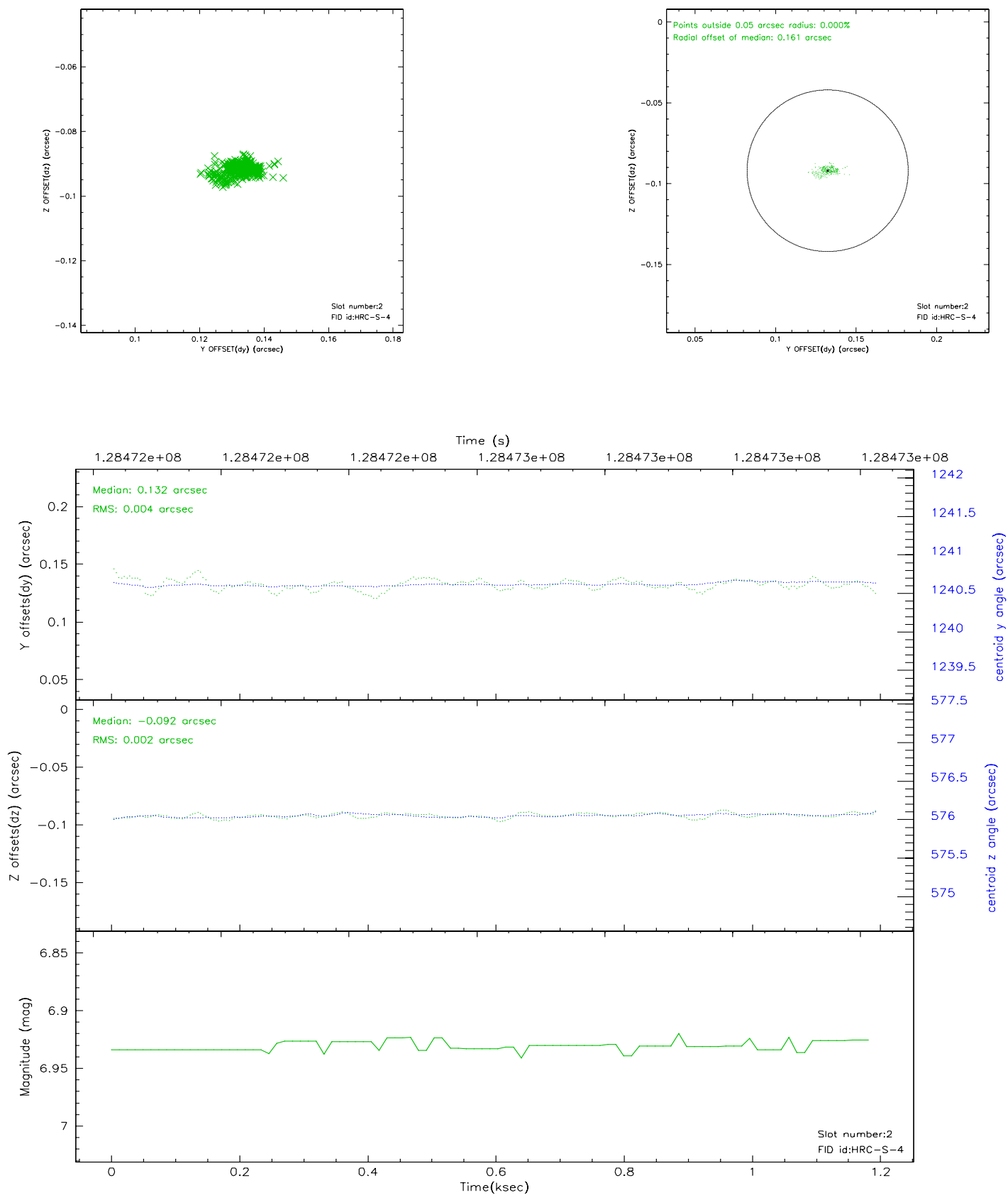
### 2.5.1 Slot 0



## 2.5.2 Slot 1

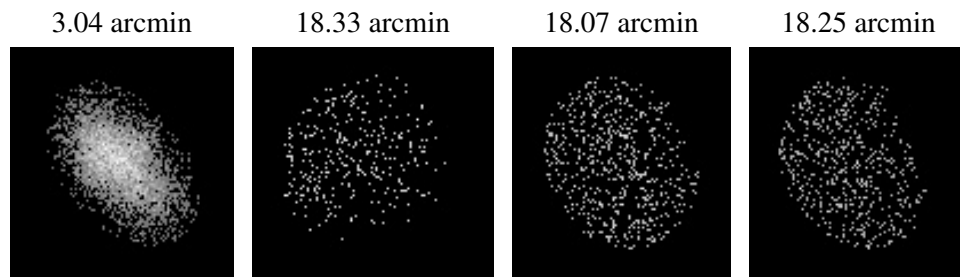


2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.08.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.183

### A.2 Comments

Monitor constraint met.