

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 2440 - L2 Version 001  
Chandra X-Ray Center

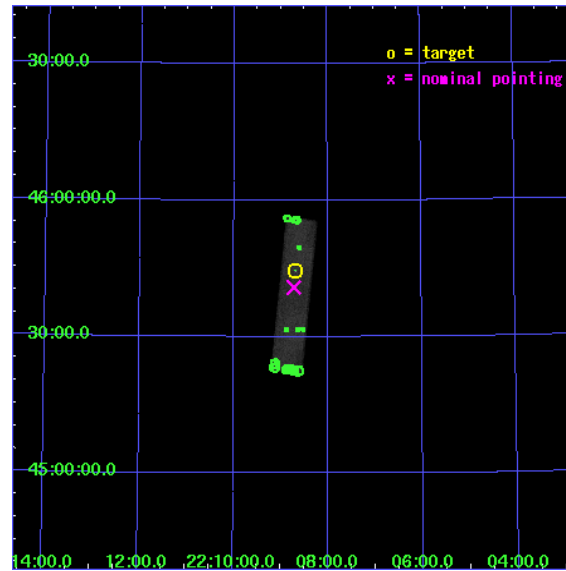
L2 Processing Date : Nov 21 2006

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# 1 Front

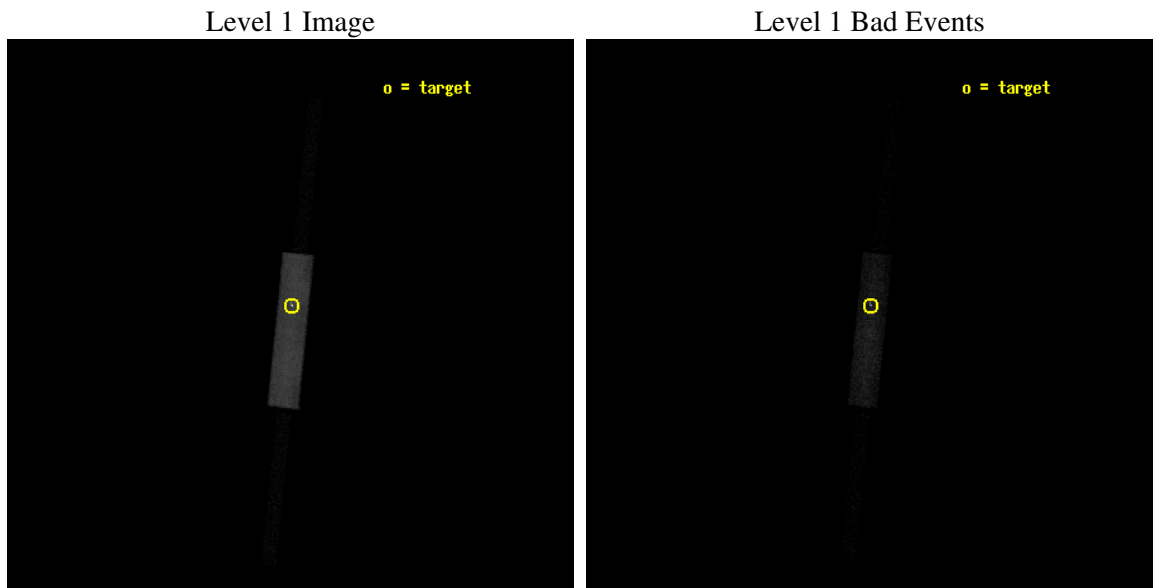
seq_num	290078
obs_id	2440
title	HRC-S CALIBRATION OBSERVATIONS OF ARLAC
observer	Dr. CXC Calibration
object	ARLAC
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.1792952502
dec_nom	45.680770736936
roll_nom	95.762951846579
revision	4
ontime	1374.781303376
livetime	1364.7268179791
l2events	73400



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.4
date	2006-11-21T15:33:08
revision	3

sched_exp_time	1234.000000
ontime	1422.9563052803
l1events	122040

### 2.1.3 Events

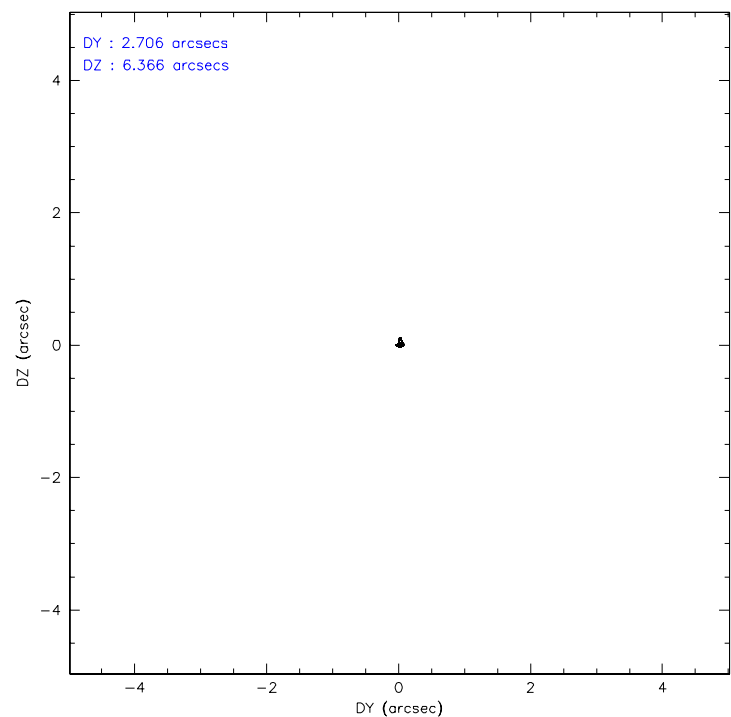
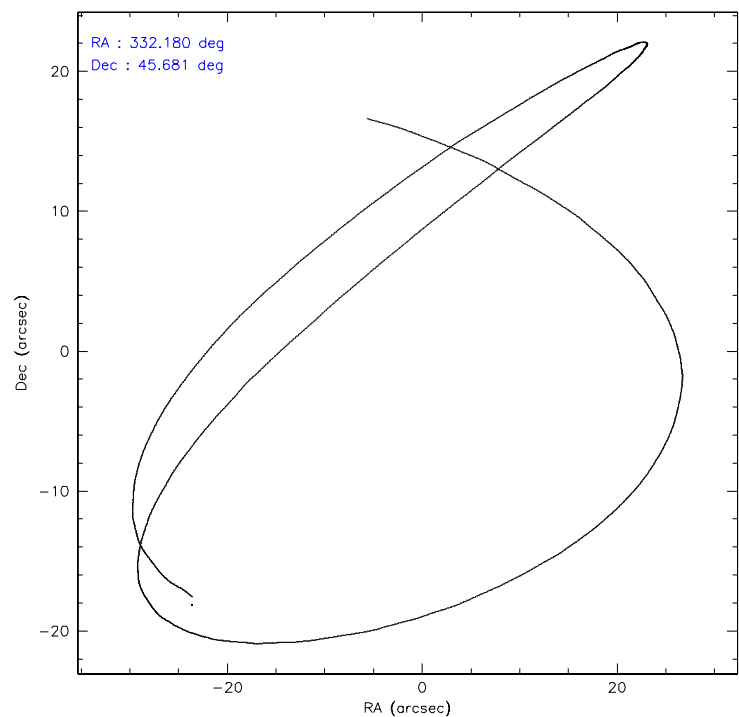
Level 1 Events

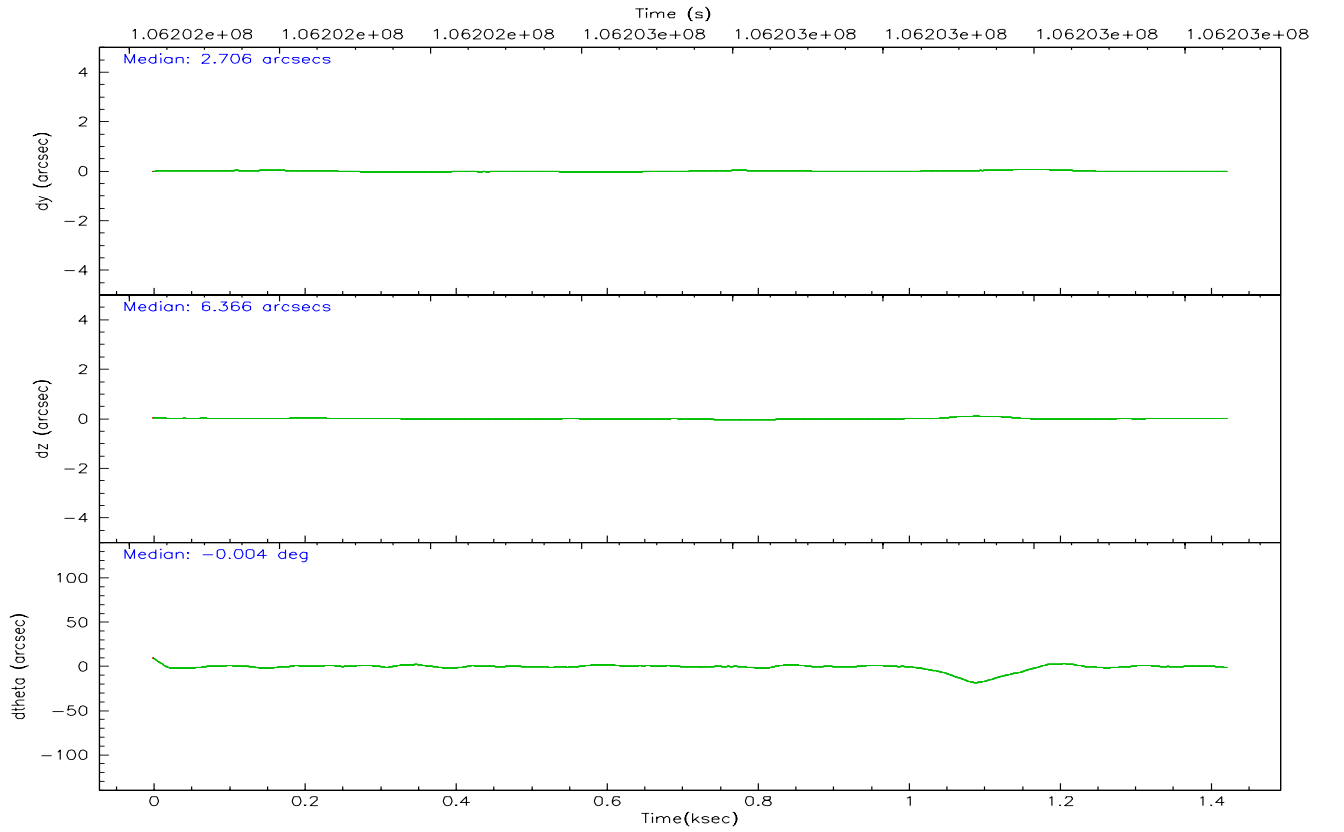
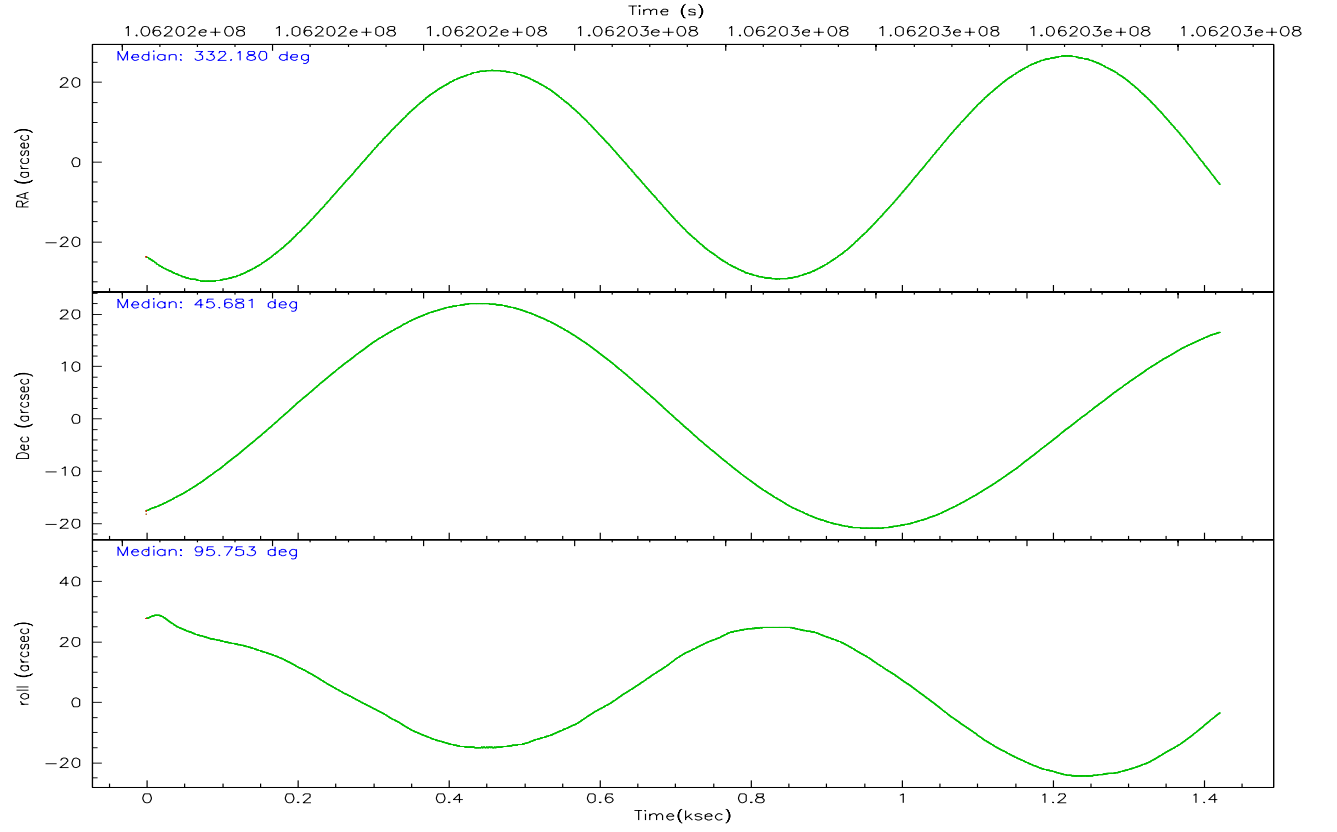
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	2551	117260	2229
rejected events	2551	40463	2229
rejected %	100%	34%	100%

## 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	332.204528	332.179295250196			
Pointing Dec	45.658285	45.68077073693557			
Pointing Roll	95.677457	95.76295184657873			
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	106202219.184000	106201842.47073			
Observation start date	2001-05-14T04:35:55	2001-05-14T04:30:42			
Observation end time	106203453.184000	106203587.02079			
Observation end date	2001-05-14T04:56:29	2001-05-14T04:59:47			

2.3 Aspect





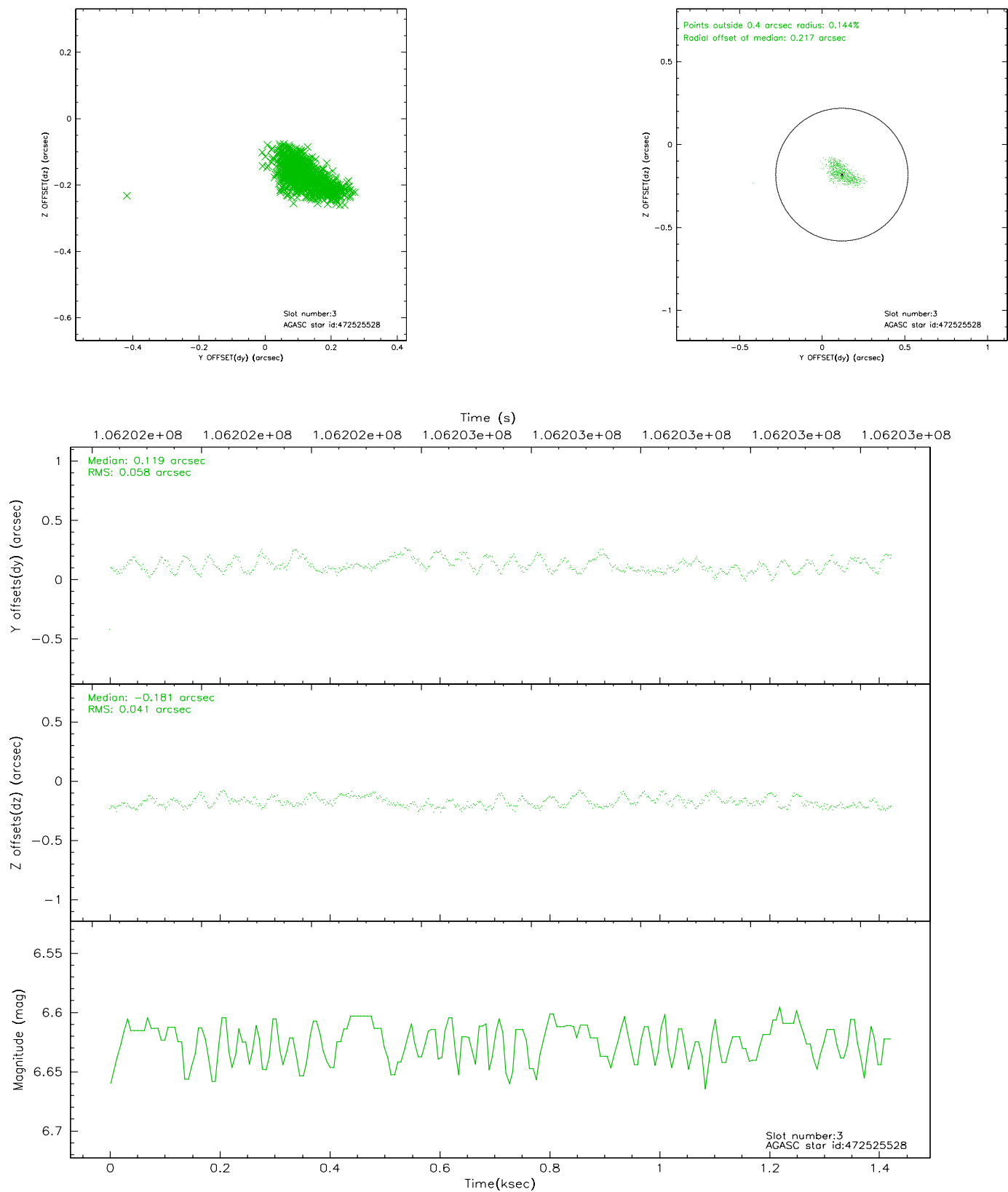
### Slot Statistics

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	347	0.136	-0.105	0.006	0.099	0.000000	0.000000	-1156.74	-454.91
1	FID	HRC-S-2	6.98	347	0.125	-0.151	0.010	0.046	0.000000	0.000000	1239.61	-448.85
2	FID	HRC-S-4	6.93	348	0.142	-0.046	0.008	0.072	0.000000	0.000000	1245.08	576.00
3	GUIDE	472525528	6.62	695	0.119	-0.181	0.073	0.119	331.551102	45.248694	-1297.28	1792.93
4	GUIDE	472527720	7.01	695	0.128	-0.139	0.077	0.132	331.460205	45.112509	-1761.82	2077.56
5	GUIDE	472523760	8.24	695	0.014	0.000	0.053	0.089	331.645363	45.403260	-771.98	1499.74
6	GUIDE	472665256	9.01	695	-0.180	0.218	0.073	0.118	332.808125	46.195041	1778.40	-1685.75
7	GUIDE	472659832	9.47	694	-0.108	0.096	0.090	0.144	332.780399	46.098139	1441.09	-1589.69

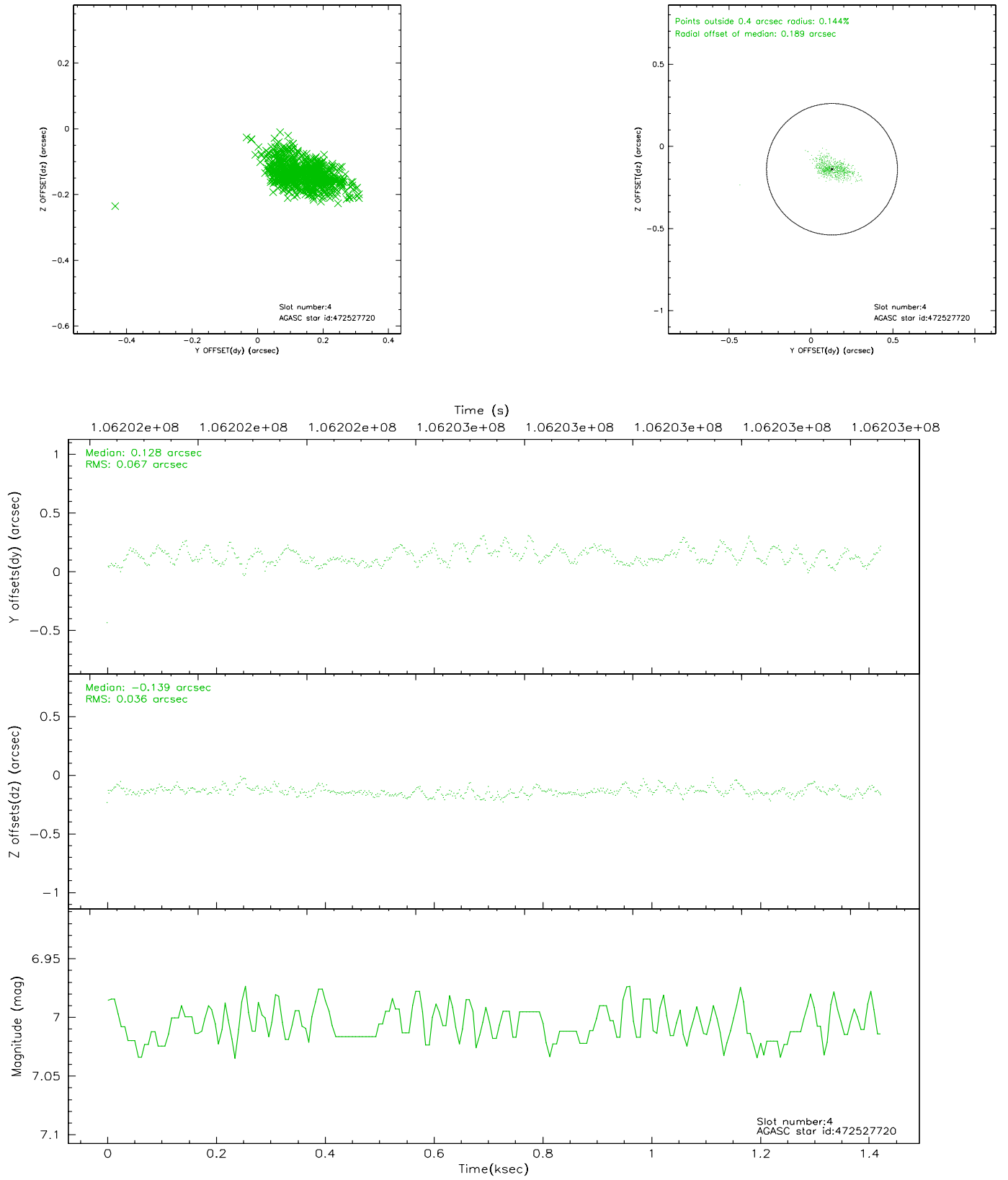


## 2.4 Star Slots

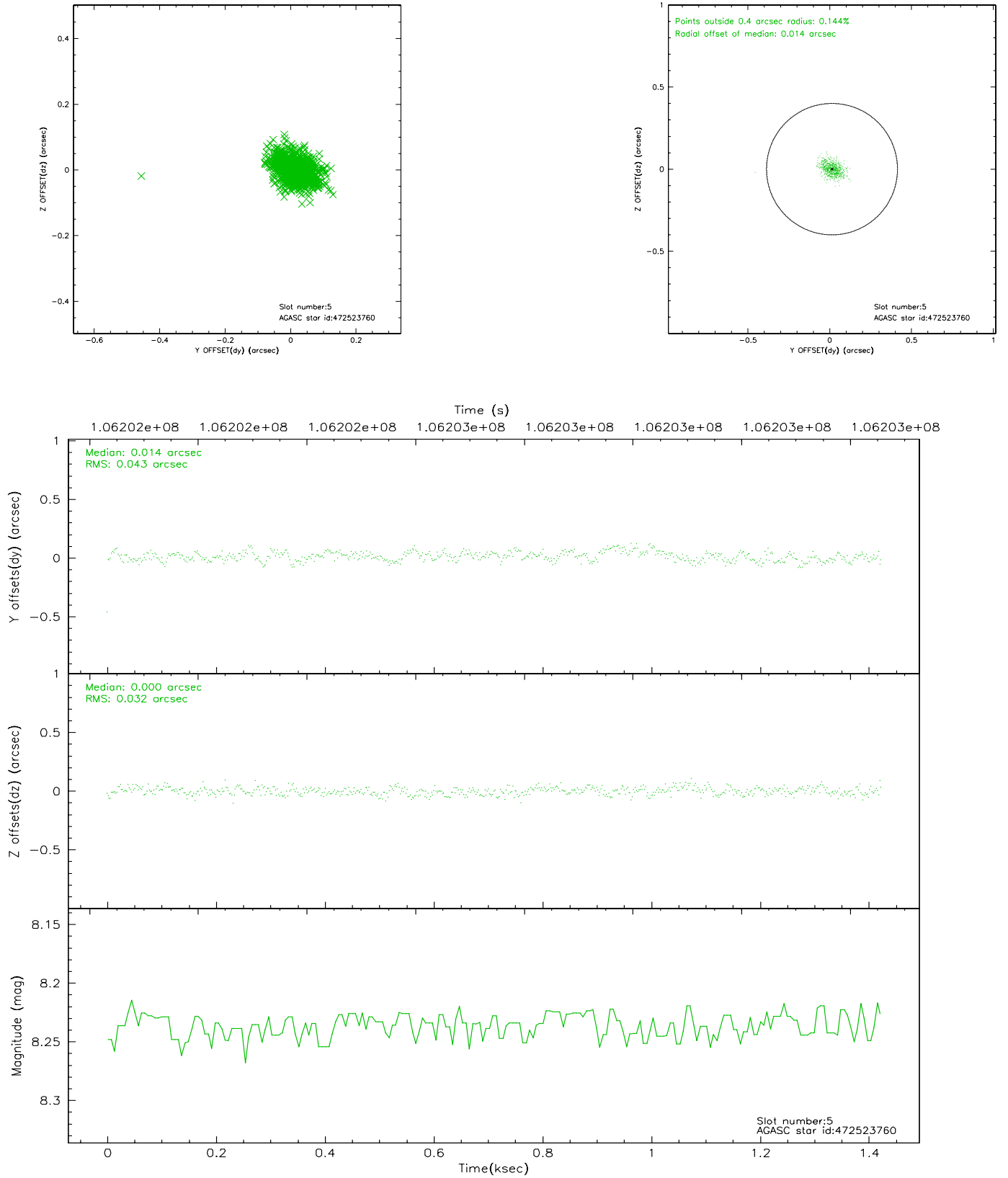
### 2.4.1 Slot 3



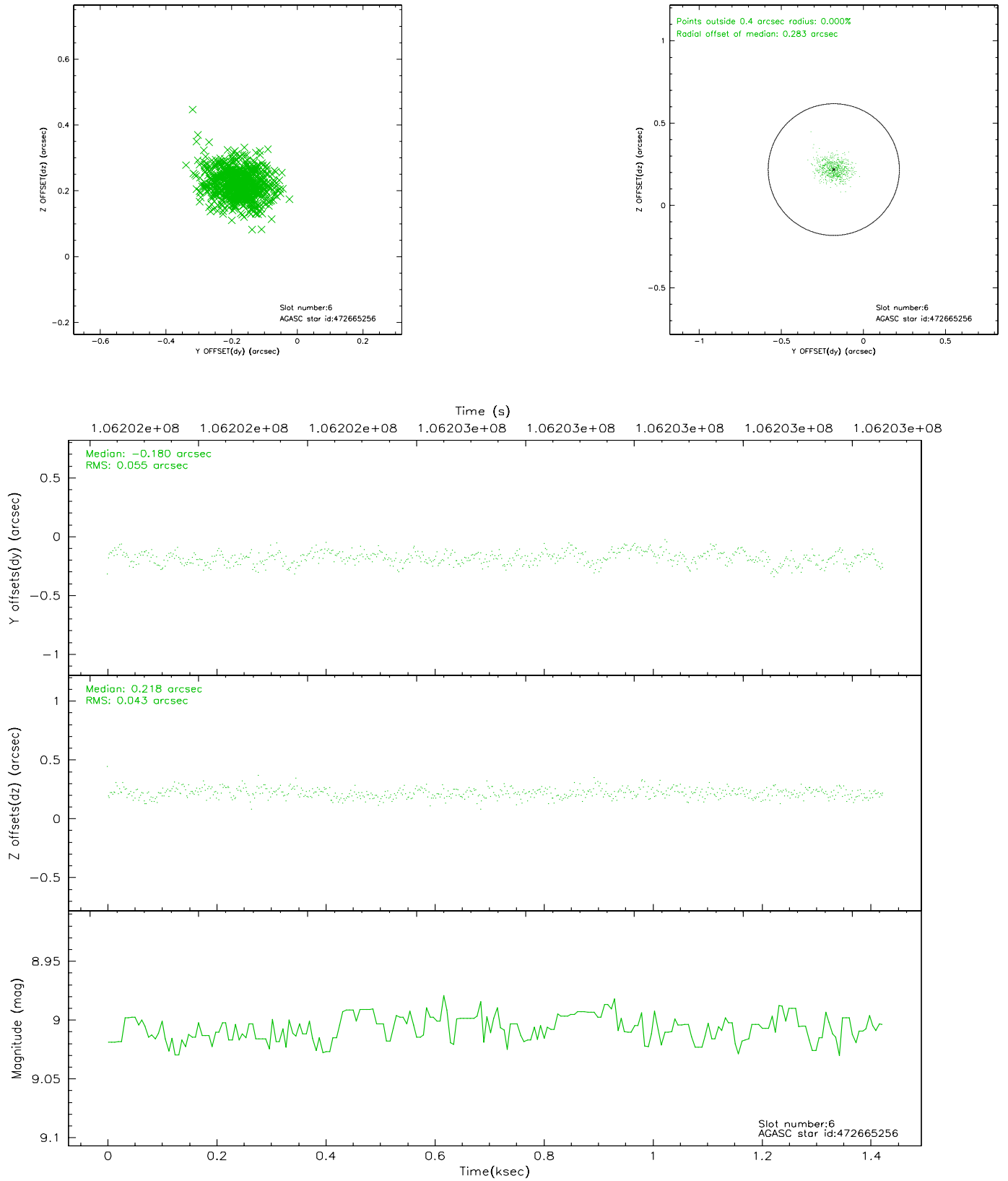
## 2.4.2 Slot 4



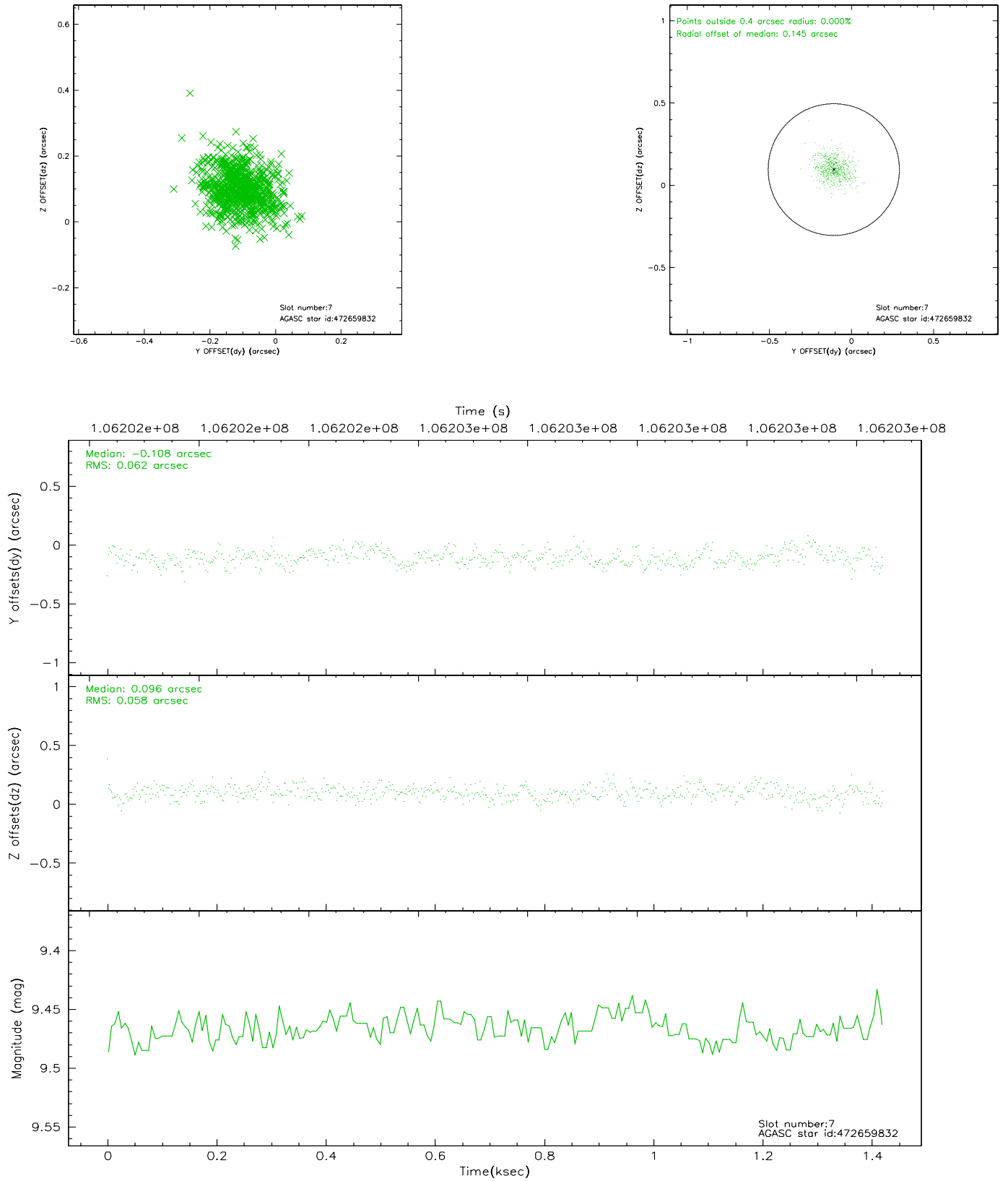
### 2.4.3 Slot 5



## 2.4.4 Slot 6

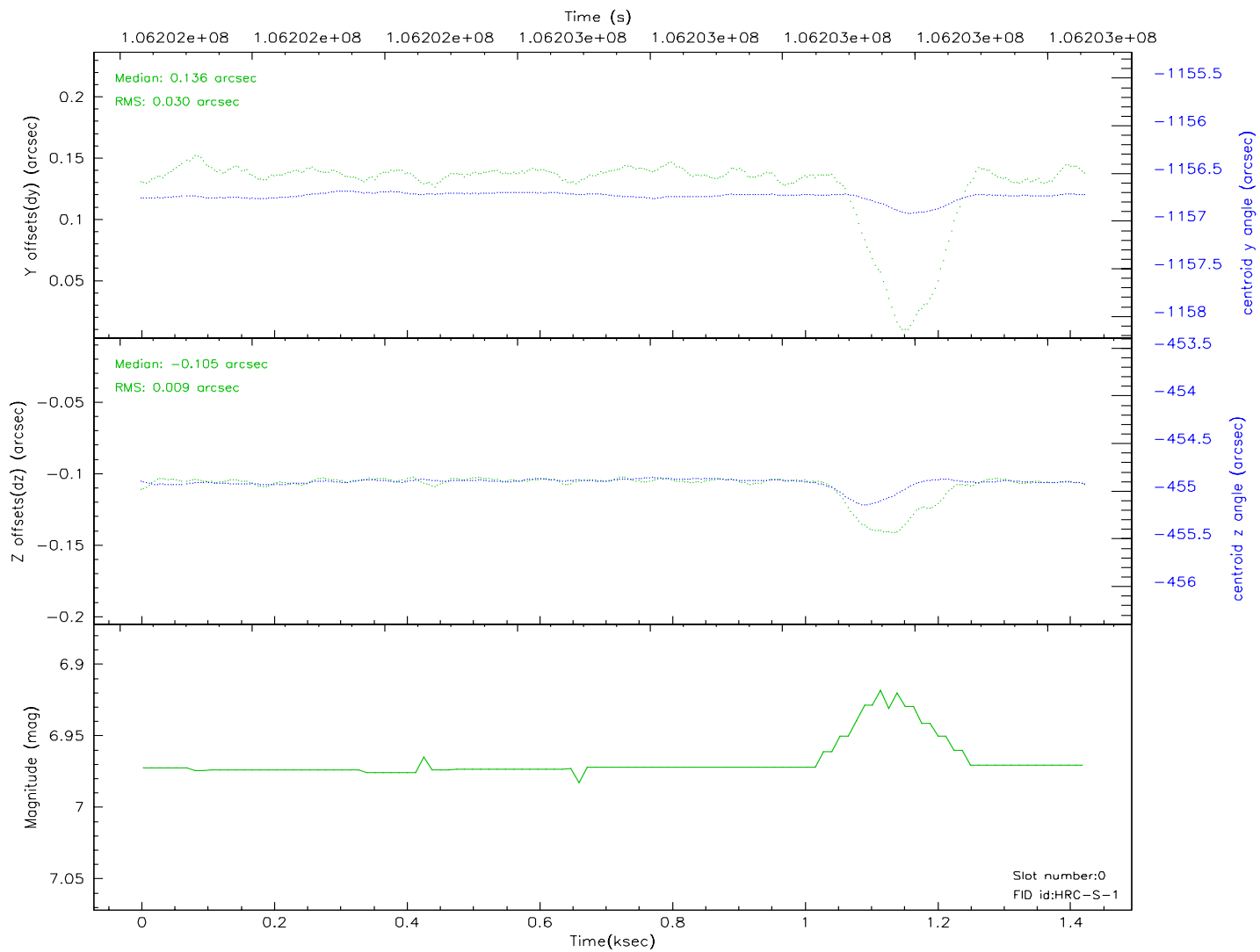
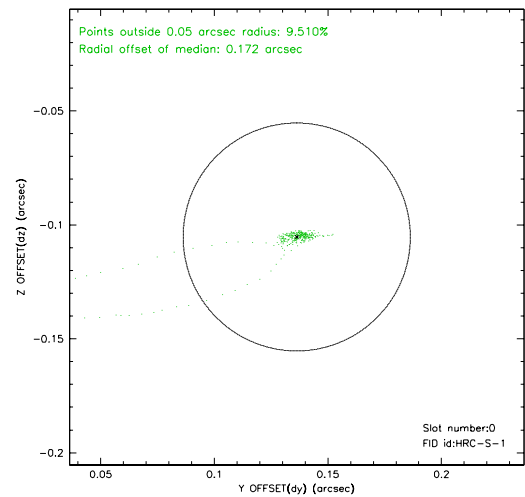
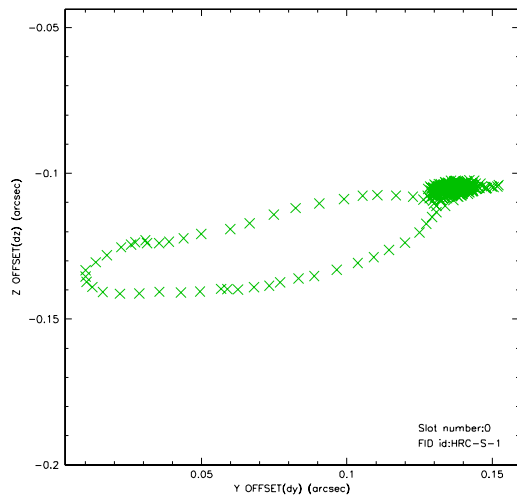


## 2.4.5 Slot 7

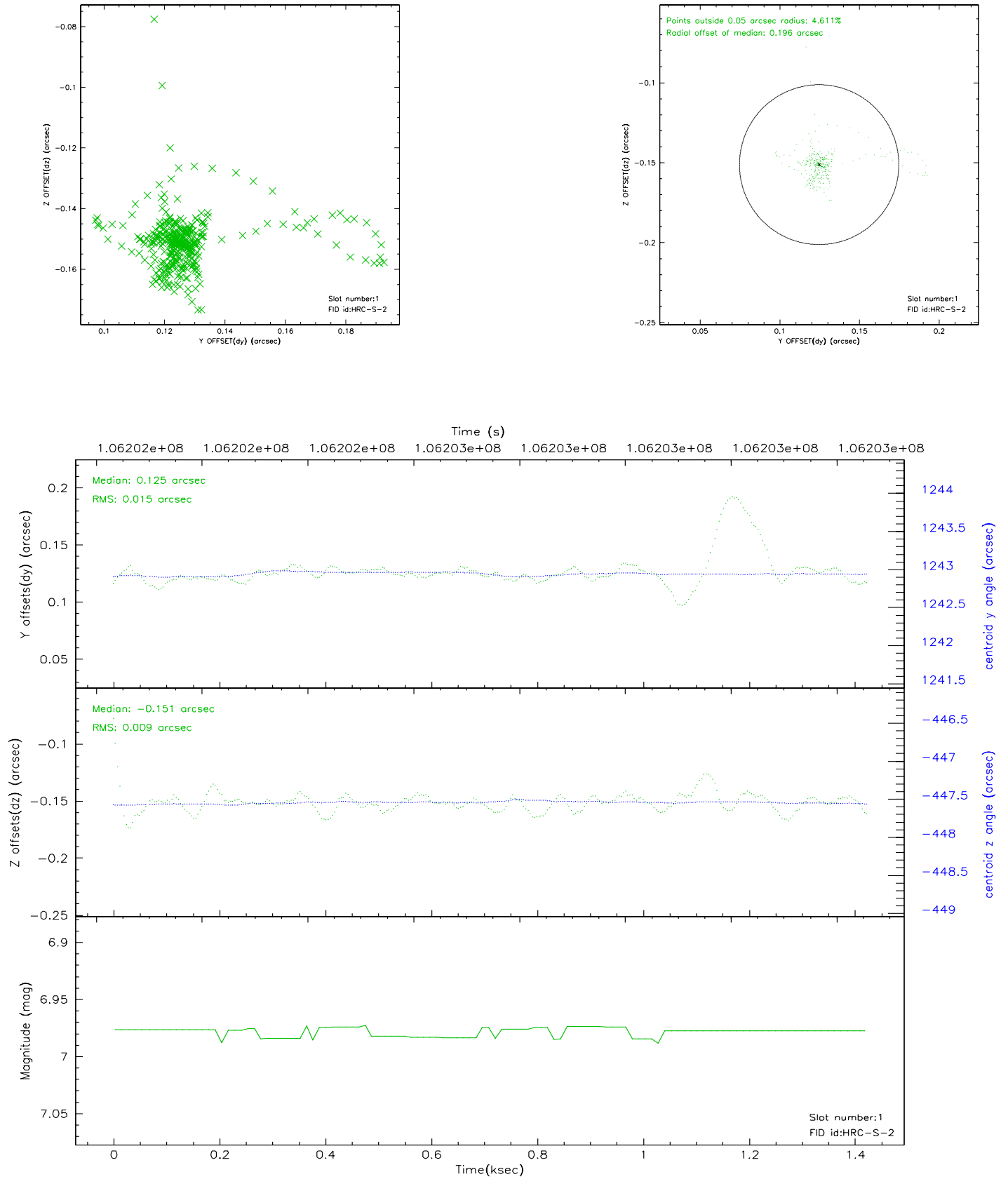


## 2.5 FID Slots

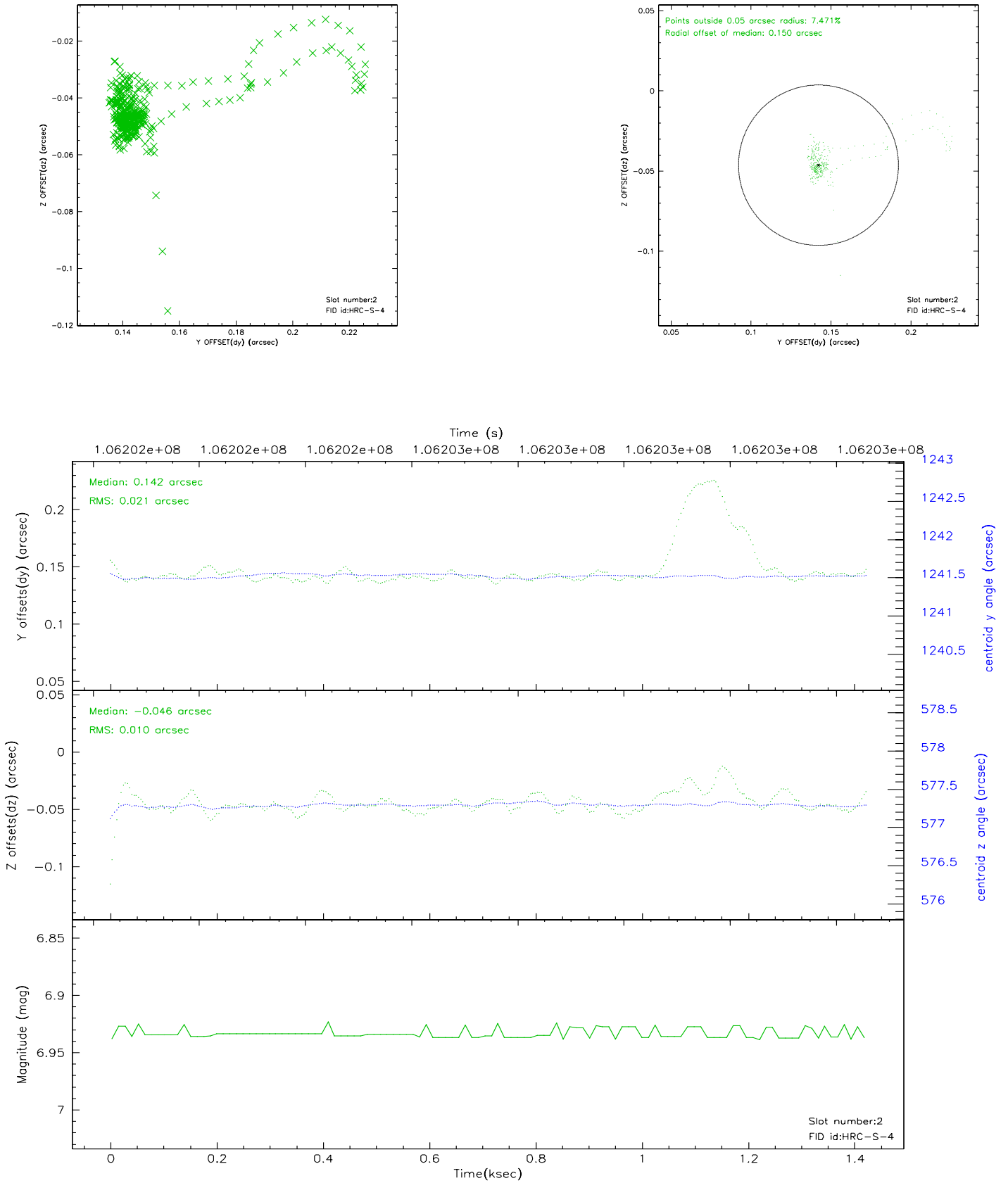
### 2.5.1 Slot 0



## 2.5.2 Slot 1

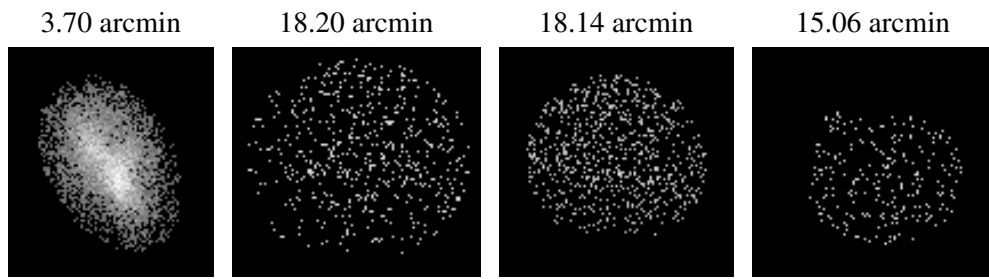


## 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.11.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.4

### A.2 Comments