

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 2438 - L2 Version 001  
Chandra X-Ray Center

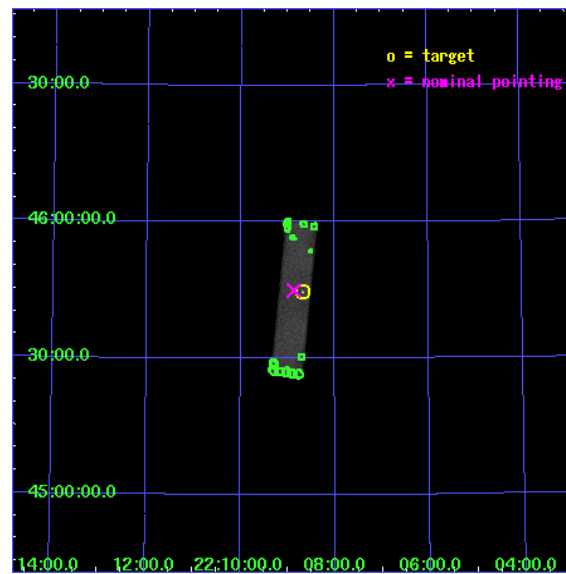
L2 Processing Date : Nov 21 2006

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# 1 Front

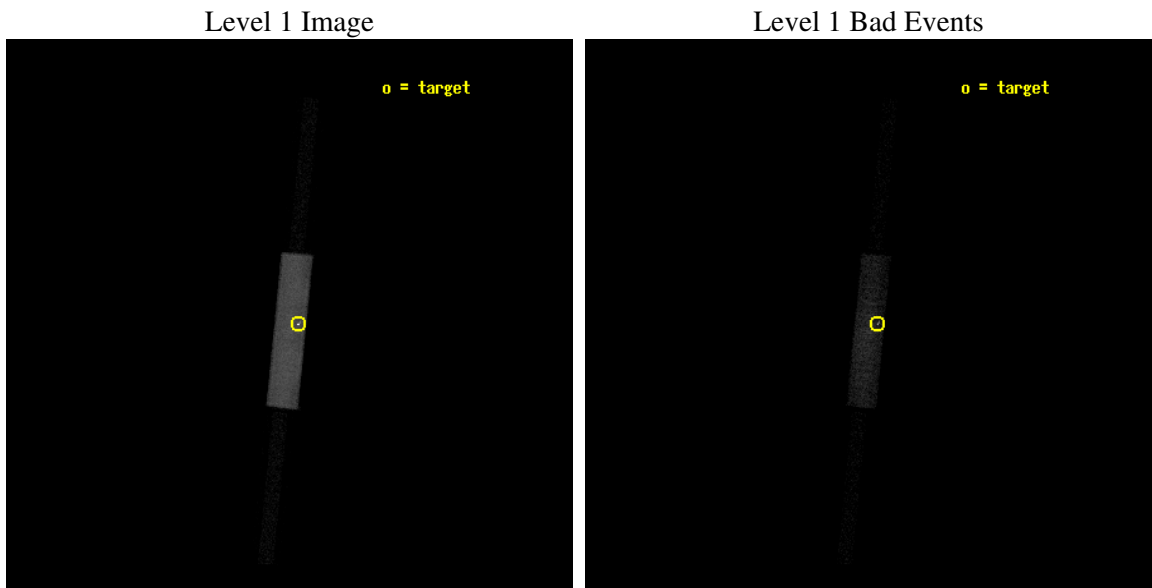
seq_num	290078
obs_id	2438
title	HRC-S CALIBRATION OBSERVATIONS OF ARLAC
observer	Dr. CXC Calibration
object	ARLAC
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.2170915877
dec_nom	45.749253502222
roll_nom	95.674488968668
revision	4
ontime	1376.8313034922
livetime	1366.7346244467
l2events	75798



## 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	2006-11-21T15:25:07
revision	3

sched_exp_time	1234.000000
ontime	1426.8000554293
l1events	119642

### 2.1.3 Events

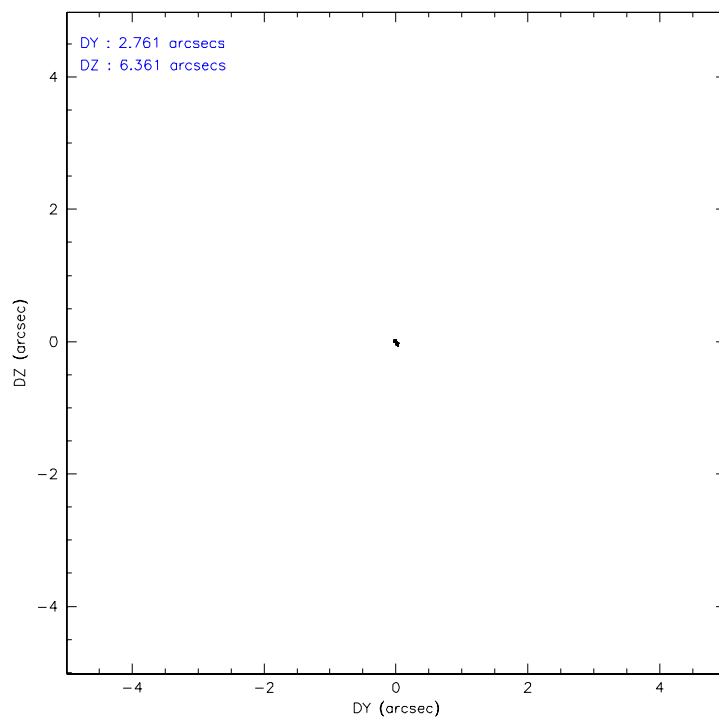
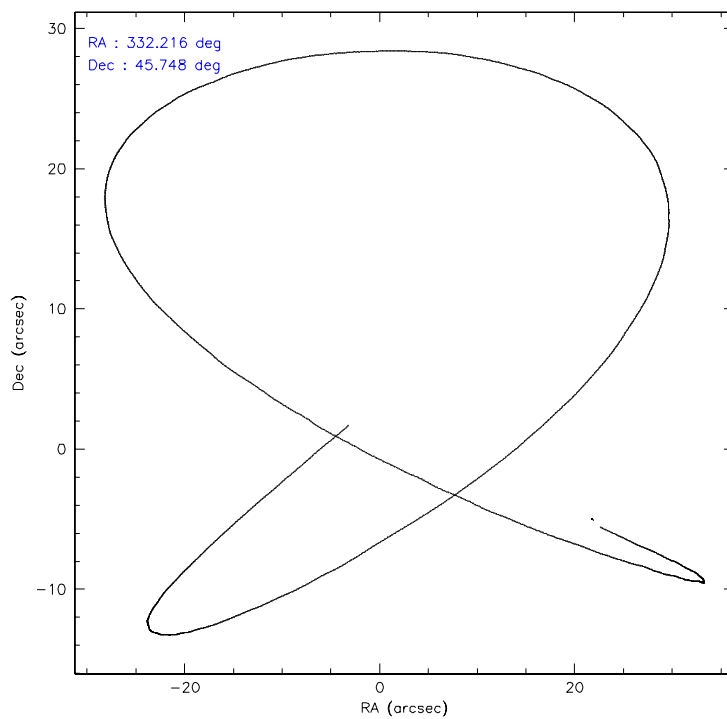
Level 1 Events

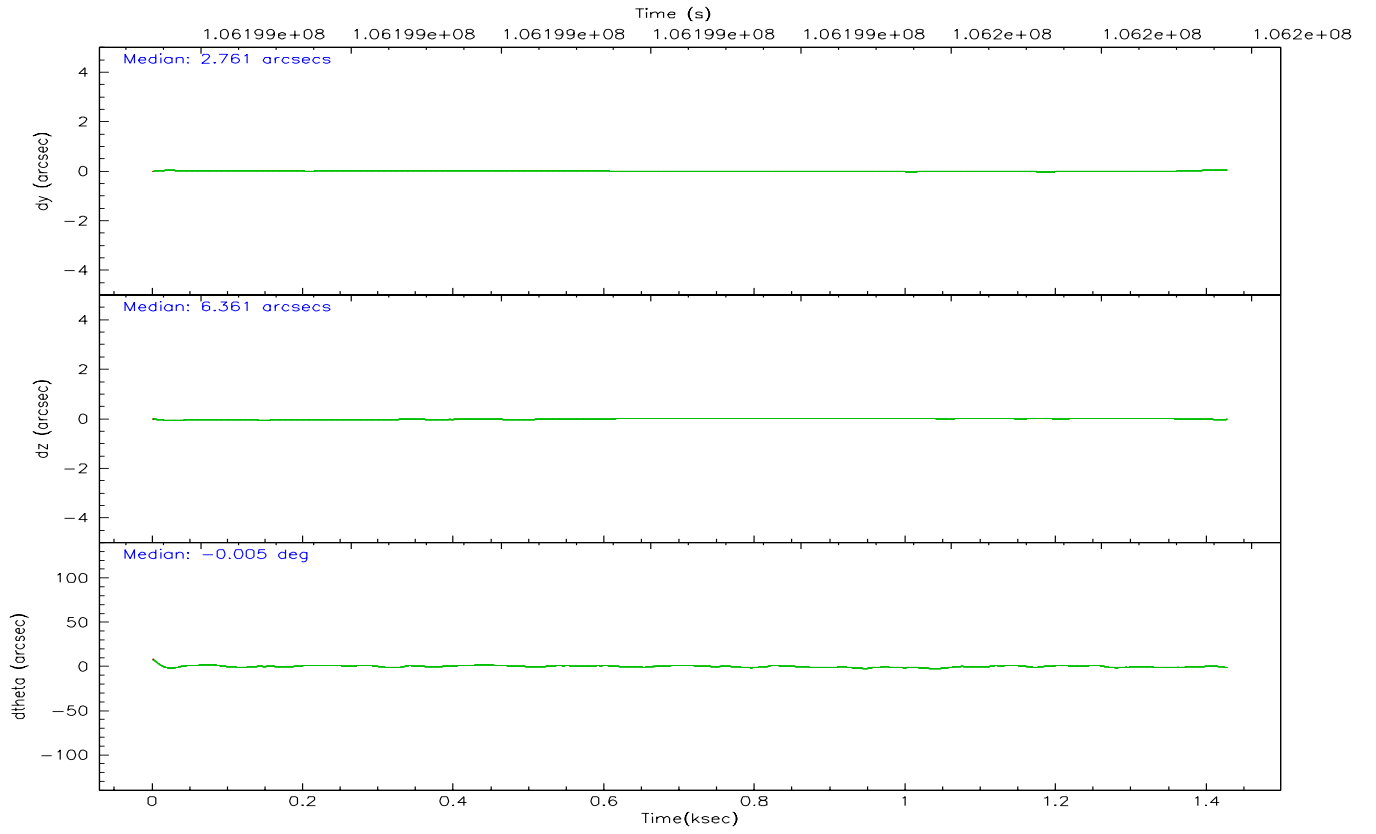
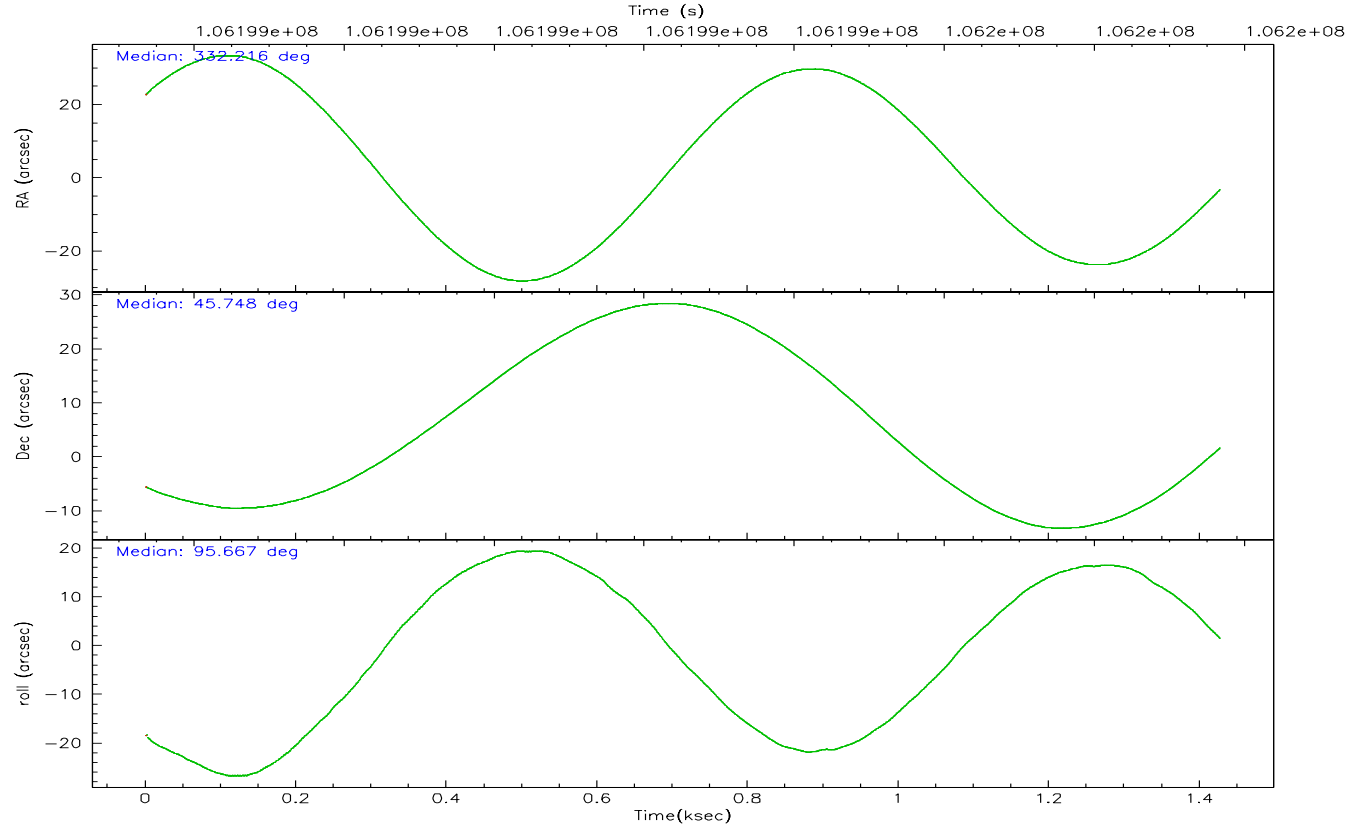
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	2135	115727	1780
rejected events	2135	36446	1780
rejected %	100%	31%	100%

## 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	332.242573	332.2170915877013			
Pointing Dec	45.727858	45.7492535022218			
Pointing Roll	95.588934	95.67448896866759			
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	106198731.184000	106198354.90809			
Observation start date	2001-05-14T03:37:47	2001-05-14T03:32:34			
Observation end time	106199965.184000	106200098.94566			
Observation end date	2001-05-14T03:58:21	2001-05-14T04:01:38			

## 2.3 Aspect





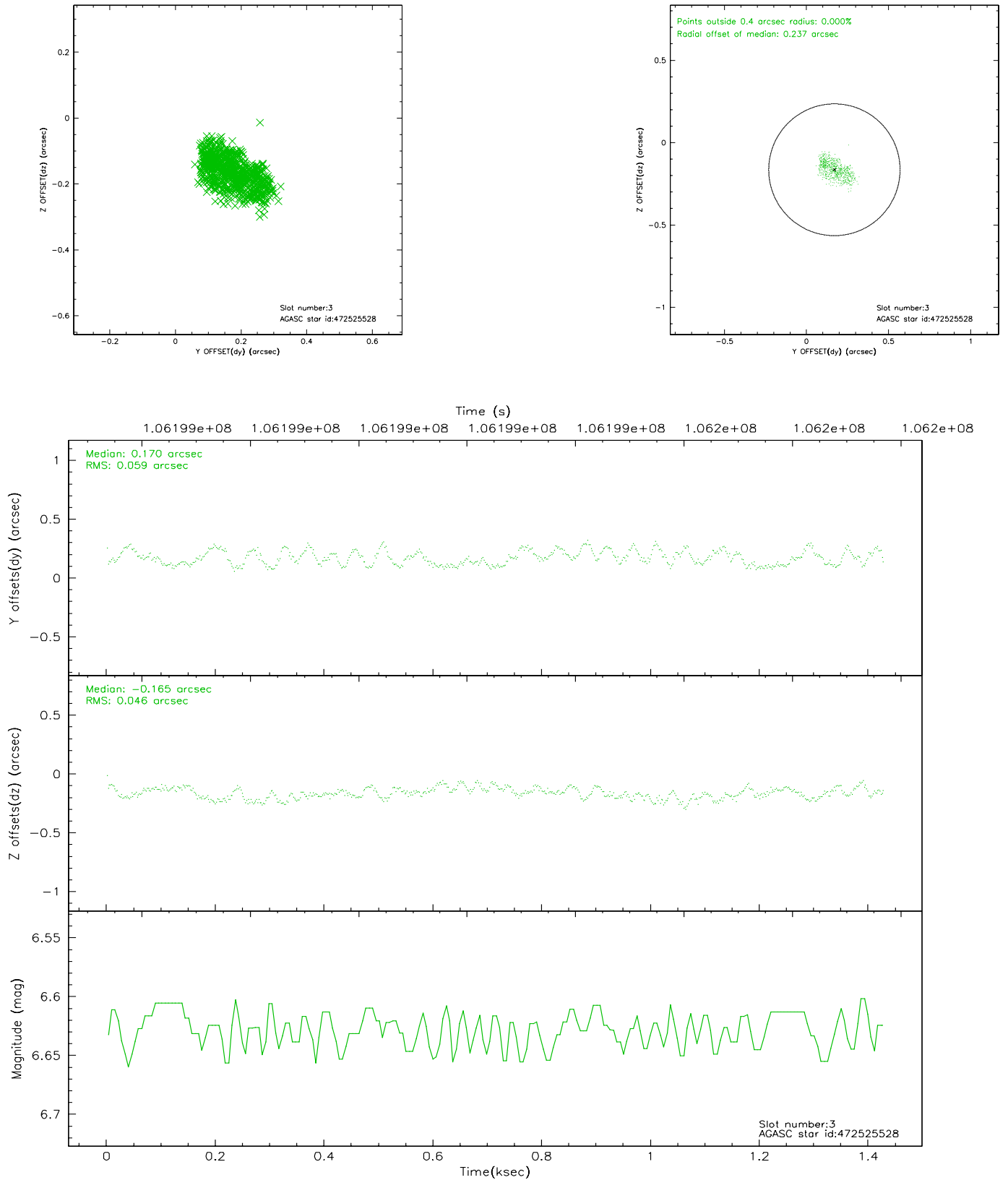
### Slot Statistics

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	349	0.140	-0.105	0.005	0.010	0.000000	0.000000	-1156.78	-454.89
1	FID	HRC-S-2	6.98	349	0.122	-0.157	0.009	0.017	0.000000	0.000000	1239.57	-448.83
2	FID	HRC-S-4	6.93	349	0.141	-0.042	0.008	0.017	0.000000	0.000000	1245.01	576.03
3	GUIDE	472525528	6.63	697	0.170	-0.165	0.083	0.121	331.551102	45.248694	-1535.17	1910.18
4	GUIDE	472527720	7.01	697	0.195	-0.097	0.089	0.134	331.460205	45.112509	-2000.35	2194.52
5	GUIDE	472535576	7.85	696	-0.168	-0.089	0.051	0.082	331.438373	46.291802	2225.72	1794.76
6	GUIDE	472665256	9.00	696	-0.124	0.229	0.074	0.117	332.808125	46.195041	1548.48	-1564.89
7	GUIDE	472659832	9.46	696	-0.070	0.119	0.089	0.145	332.780399	46.098139	1206.36	-1469.39

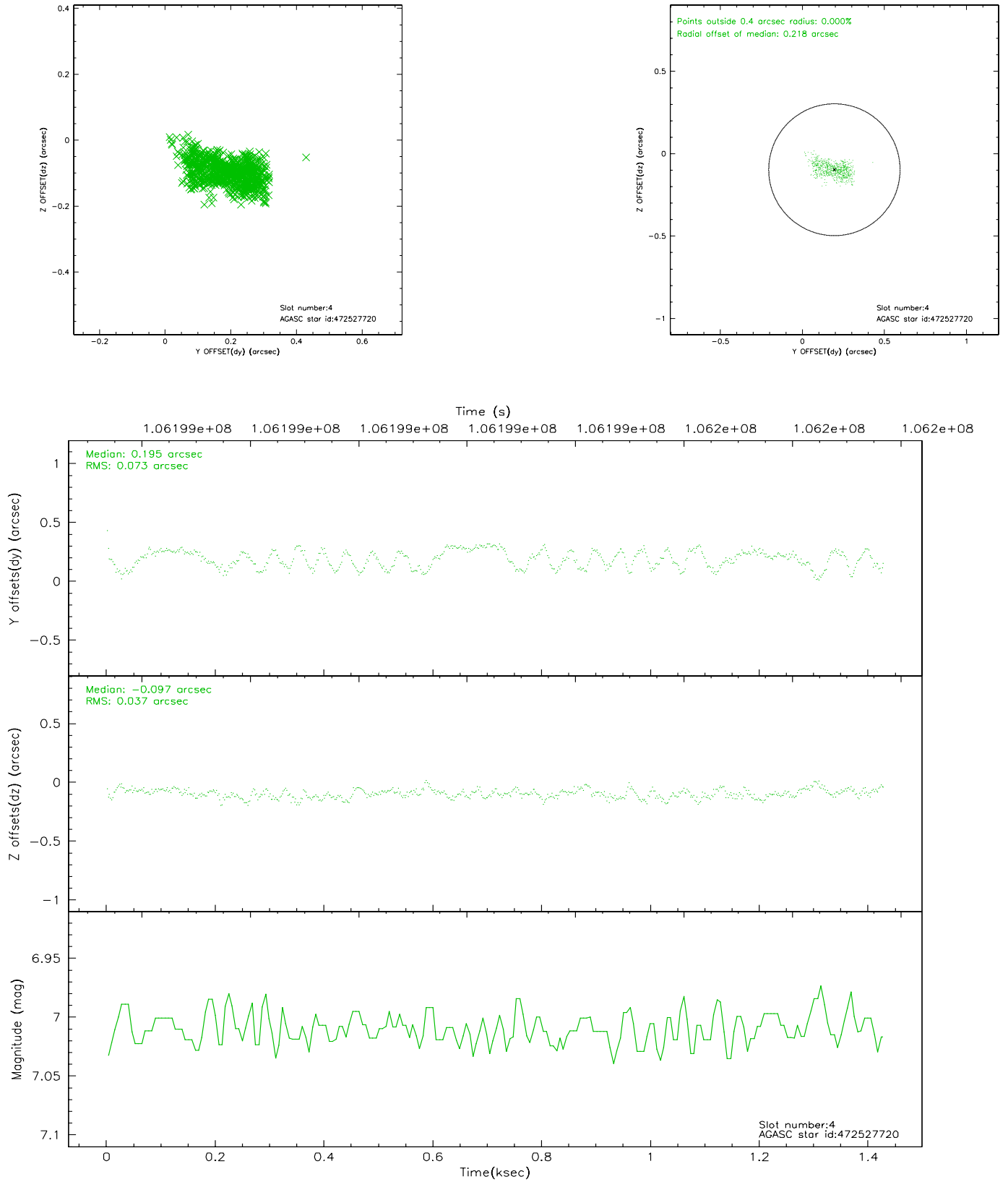


## 2.4 Star Slots

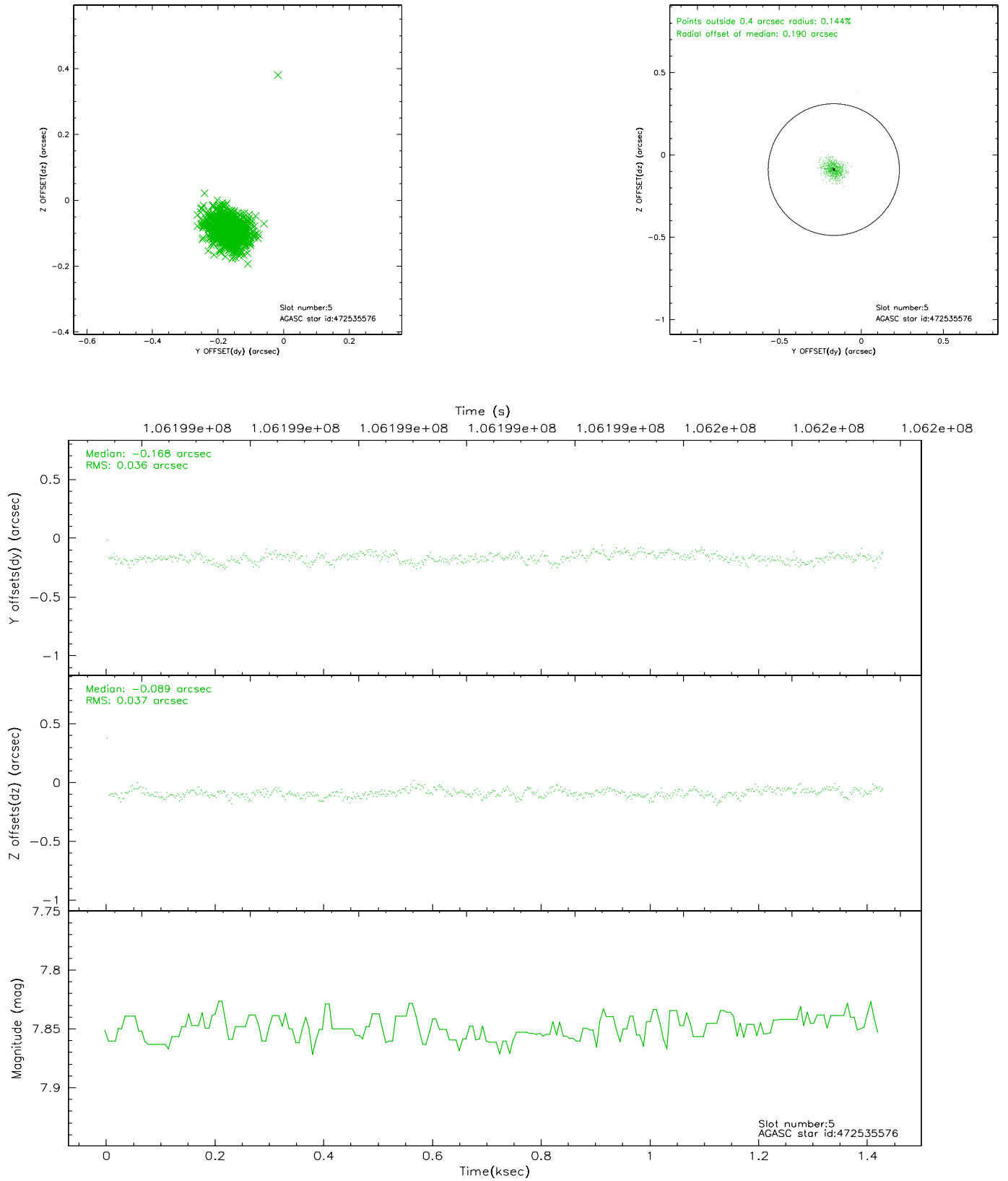
### 2.4.1 Slot 3



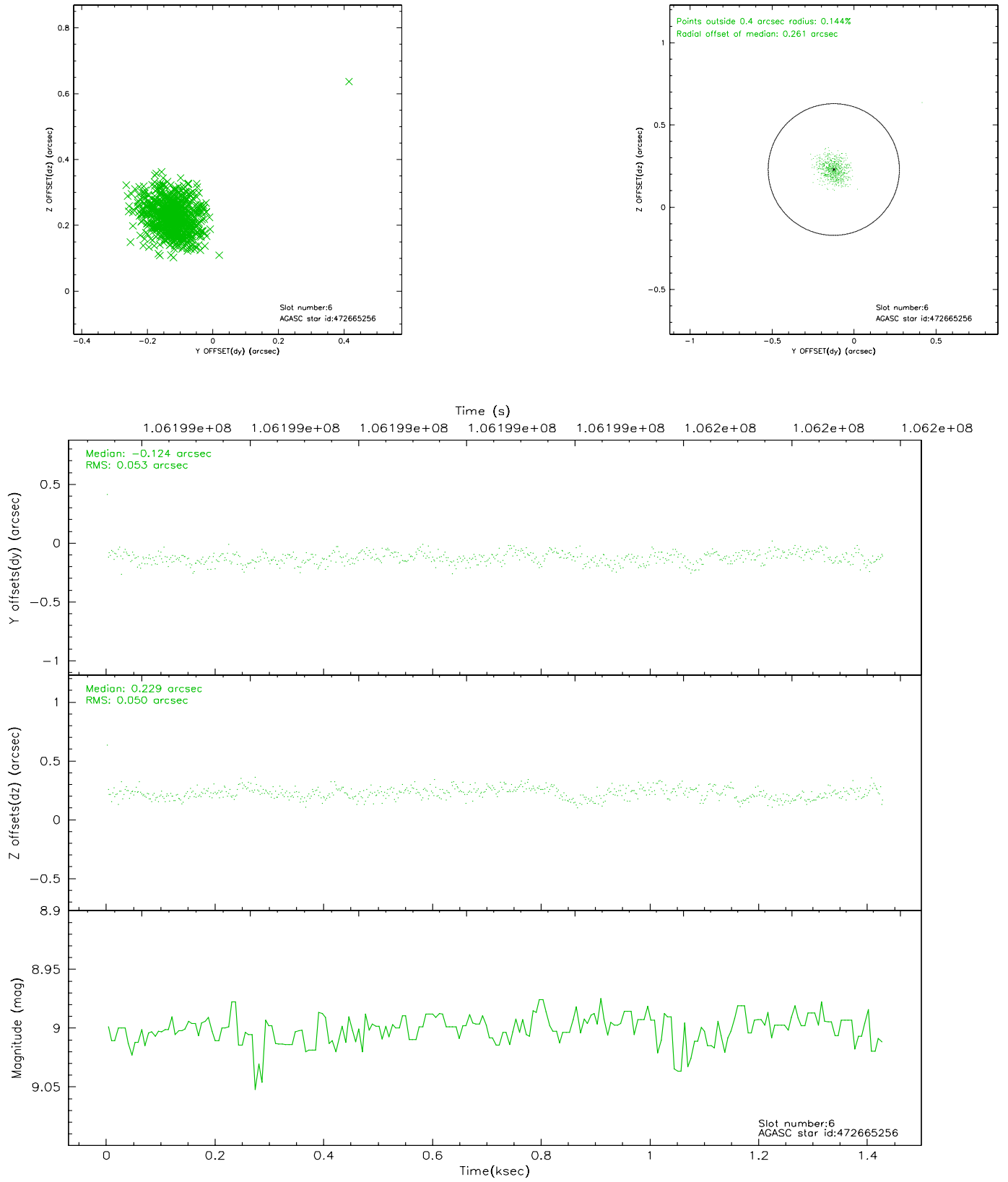
## 2.4.2 Slot 4



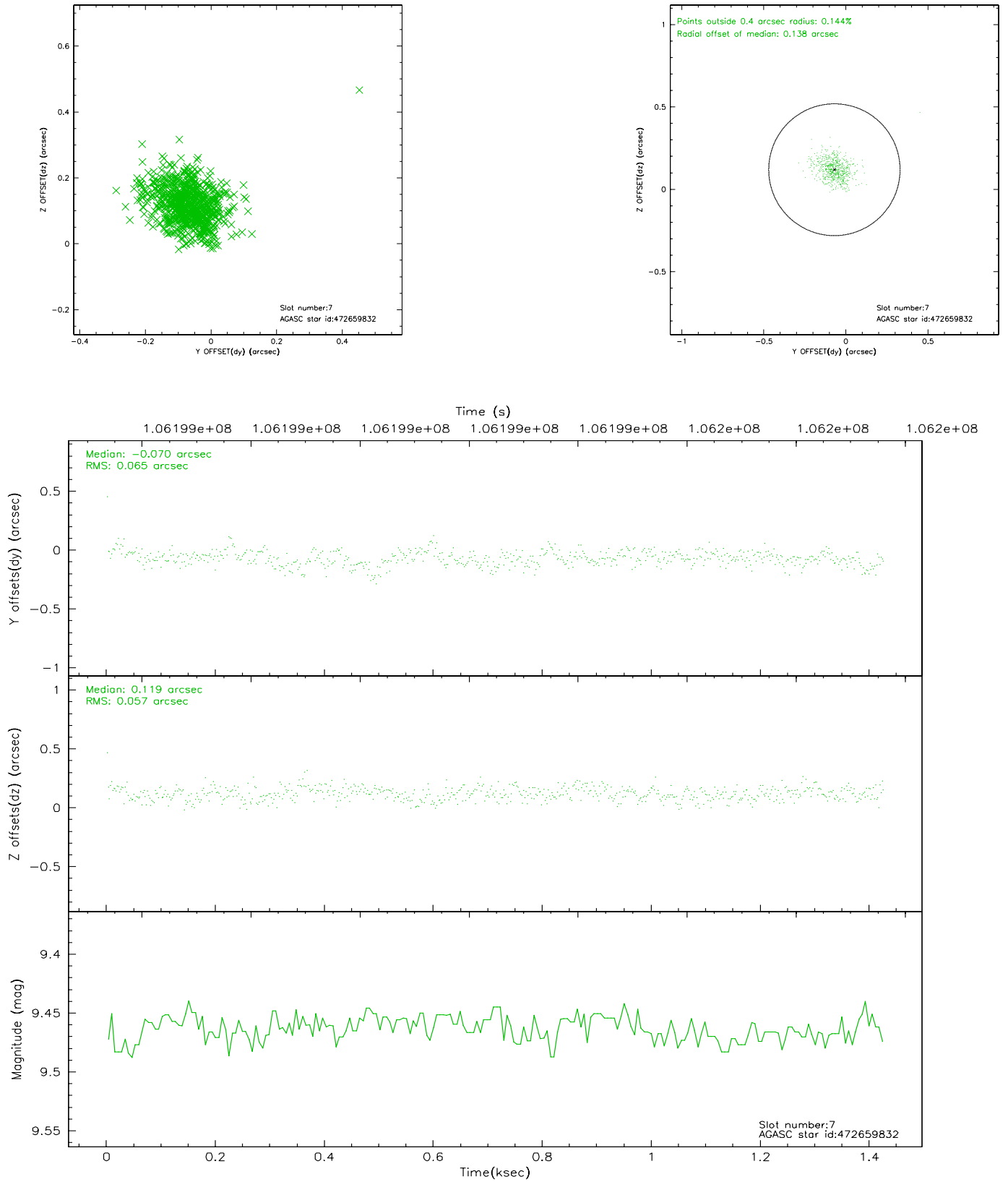
### 2.4.3 Slot 5



## 2.4.4 Slot 6

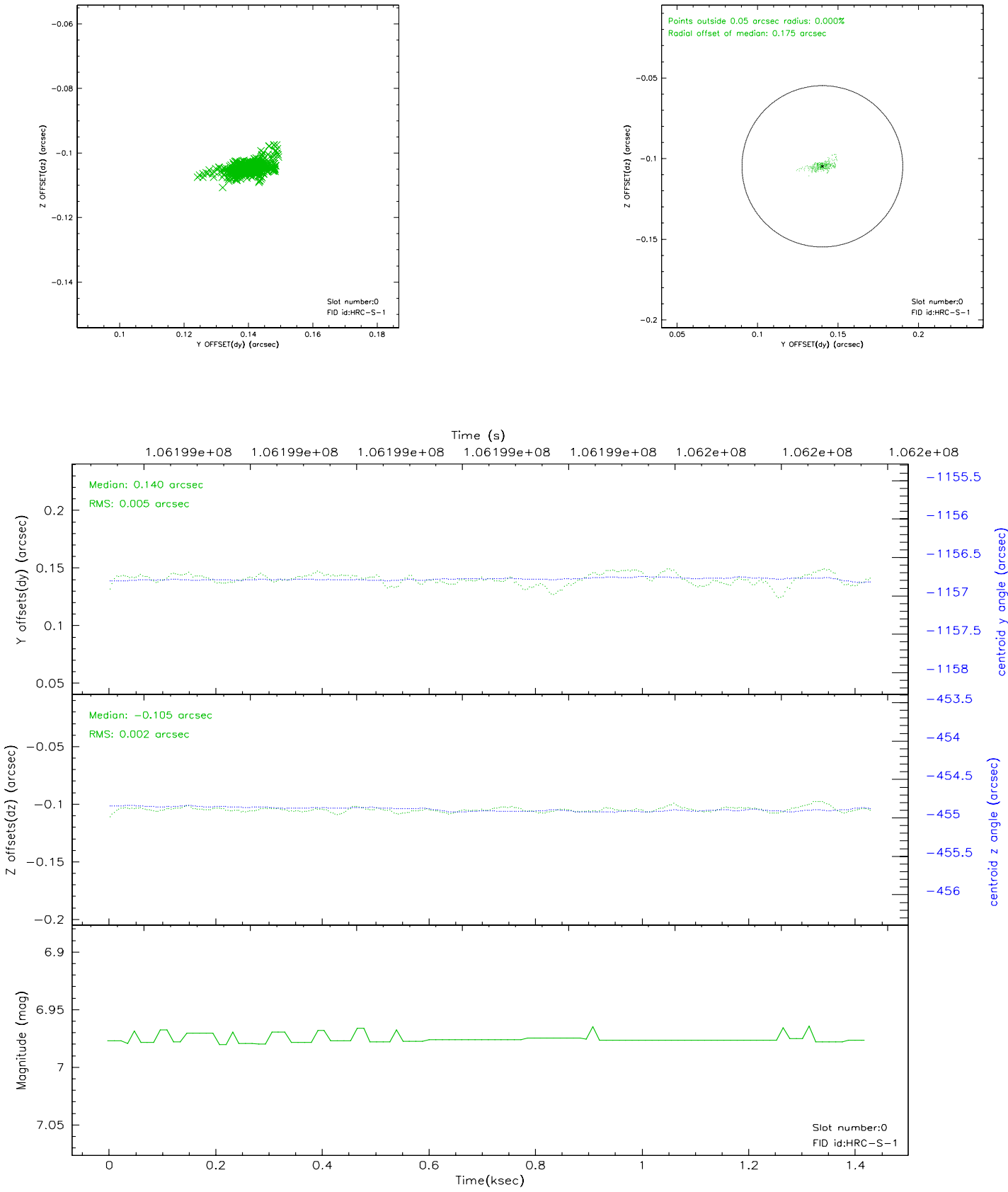


## 2.4.5 Slot 7

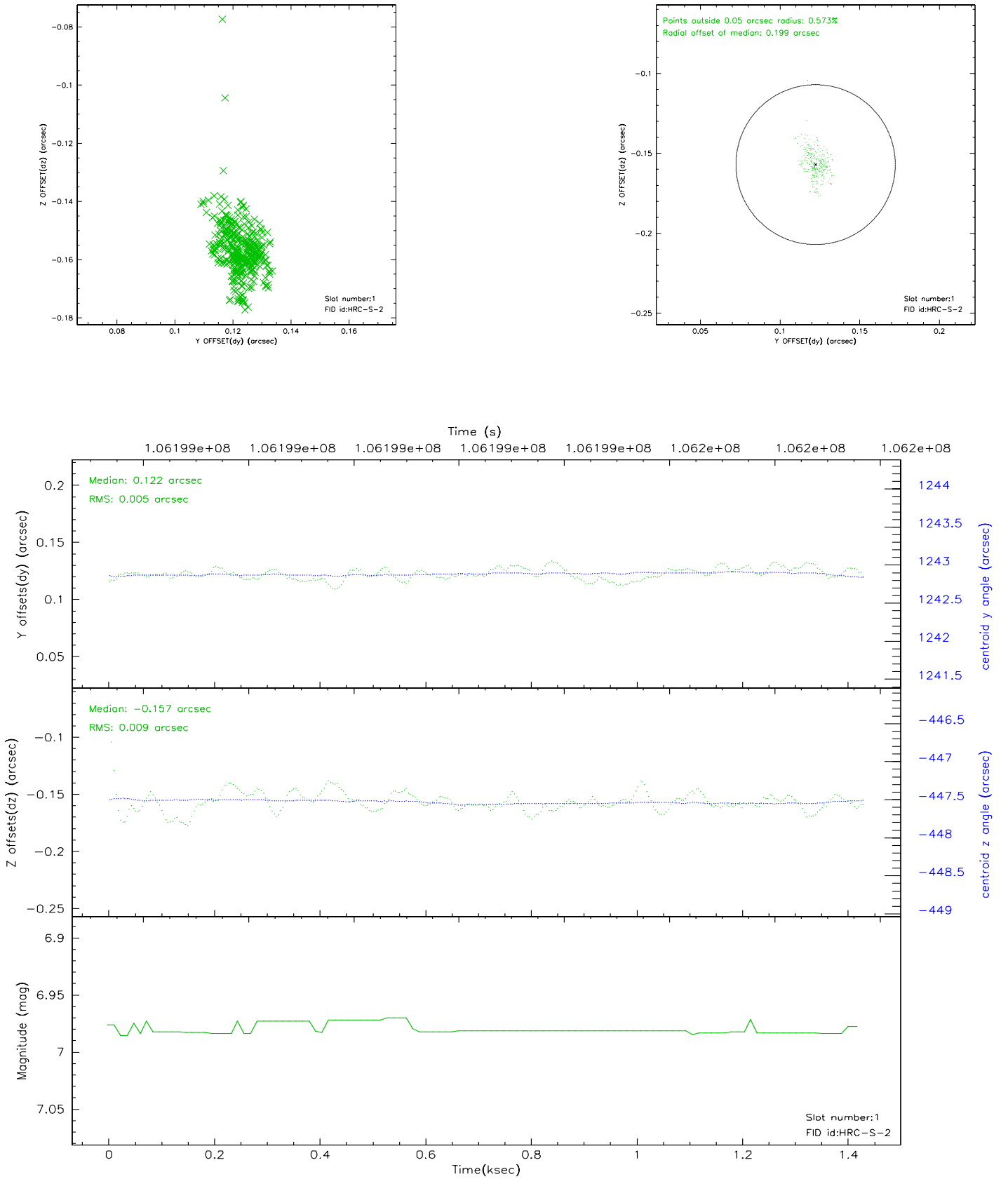


## 2.5 FID Slots

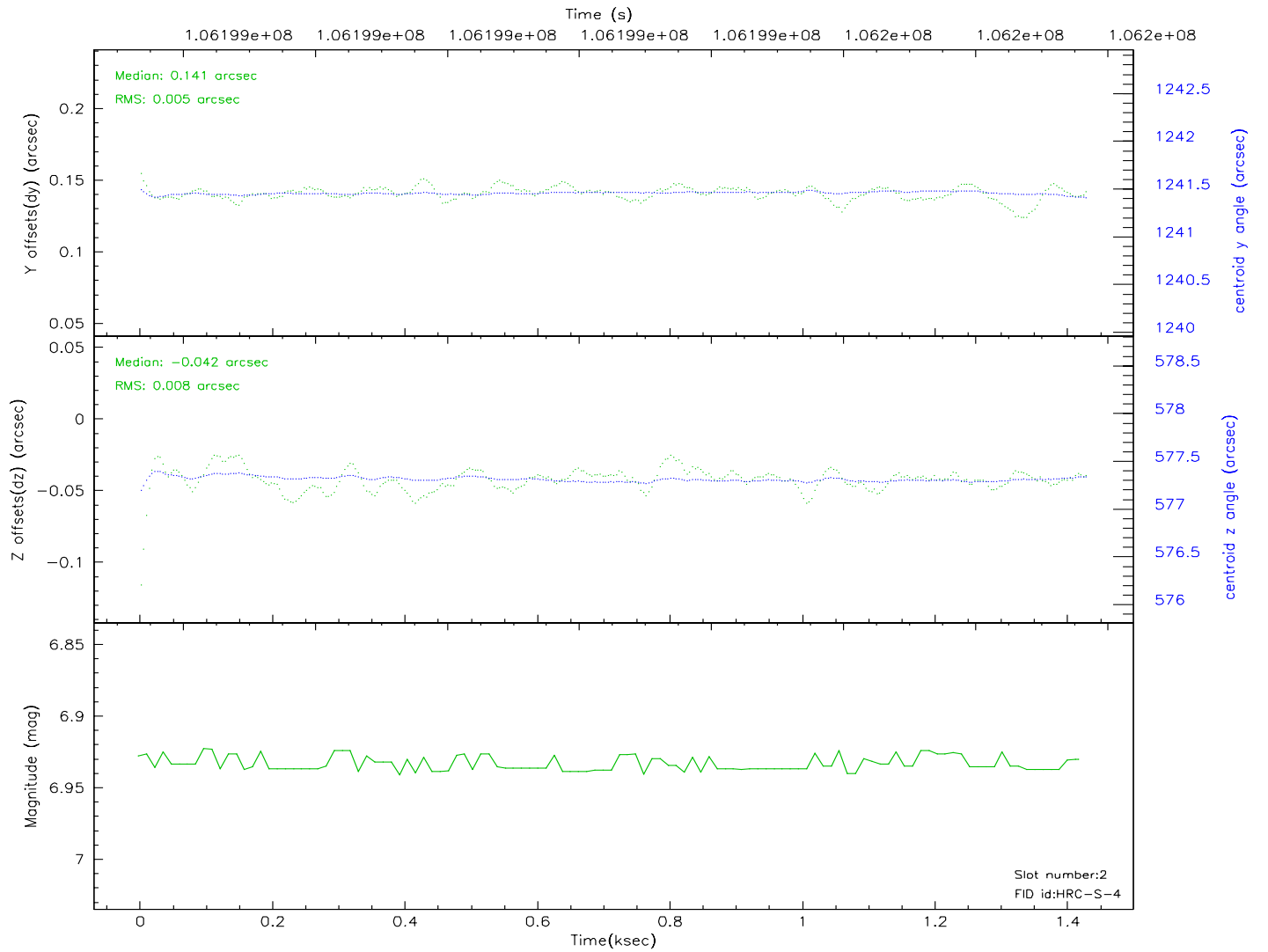
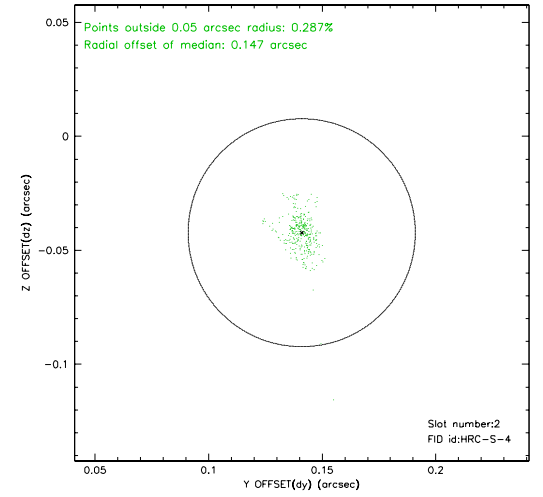
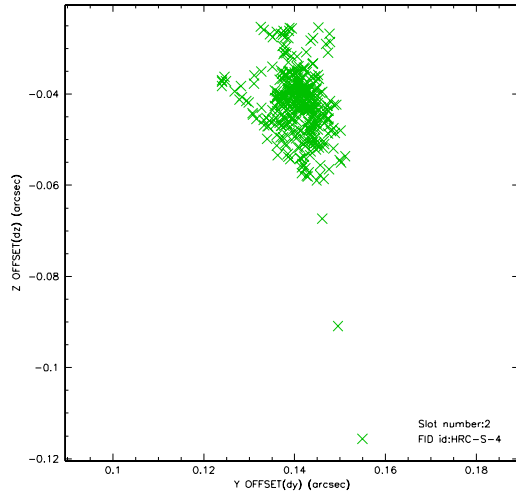
### 2.5.1 Slot 0



## 2.5.2 Slot 1

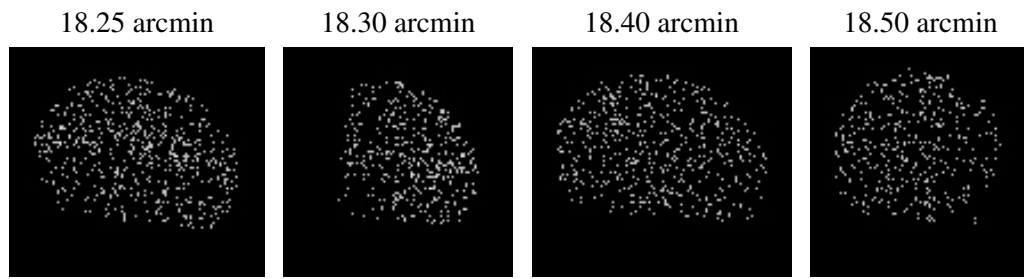


## 2.5.3 Slot 2





### 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	1.417

### A.2 Comments