

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 2445 - L2 Version 001  
Chandra X-Ray Center

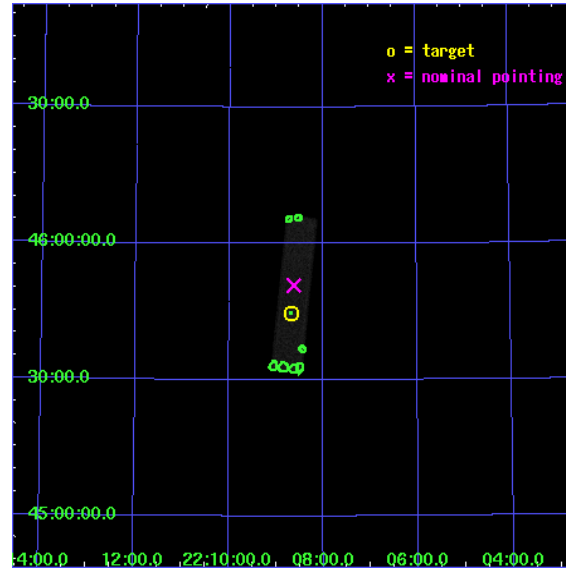
L2 Processing Date : Nov 21 2006

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# 1 Front

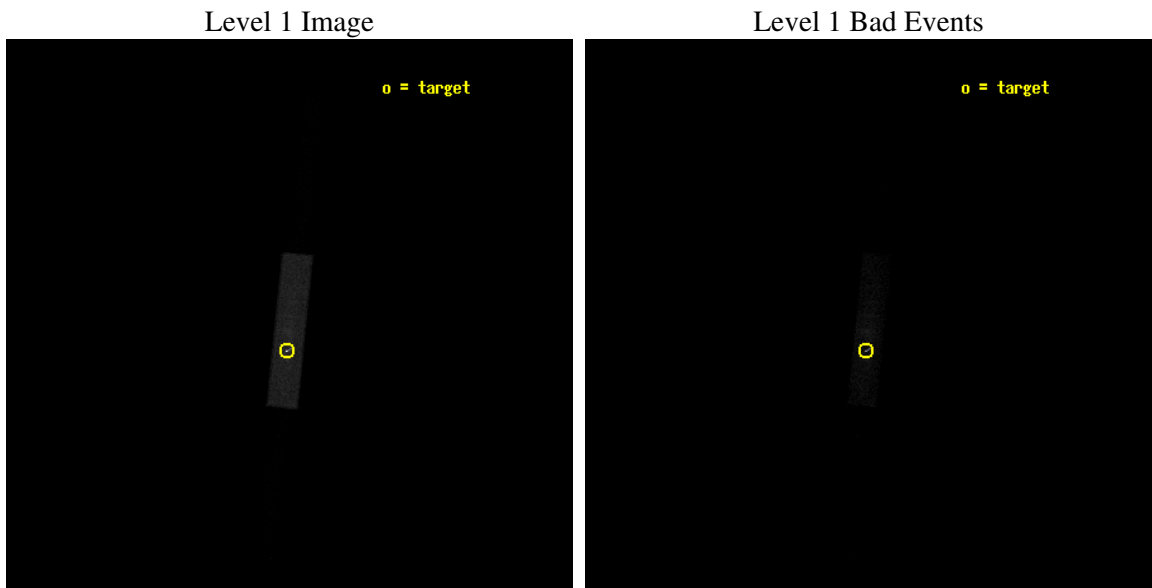
seq_num	290078
obs_id	2445
title	HRC-S CALIBRATION OBSERVATIONS OF ARLAC
observer	Dr. CXC Calibration
object	ARLAC
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.1554731456
dec_nom	45.846725404856
roll_nom	95.805935213824
revision	4
ontime	1375.8063034415
livetime	1368.0618010639
l2events	54506



## 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	2006-11-21T15:40:47
revision	3

sched_exp_time	1234.000000
ontime	1421.9313052297
l1events	88692

### 2.1.3 Events

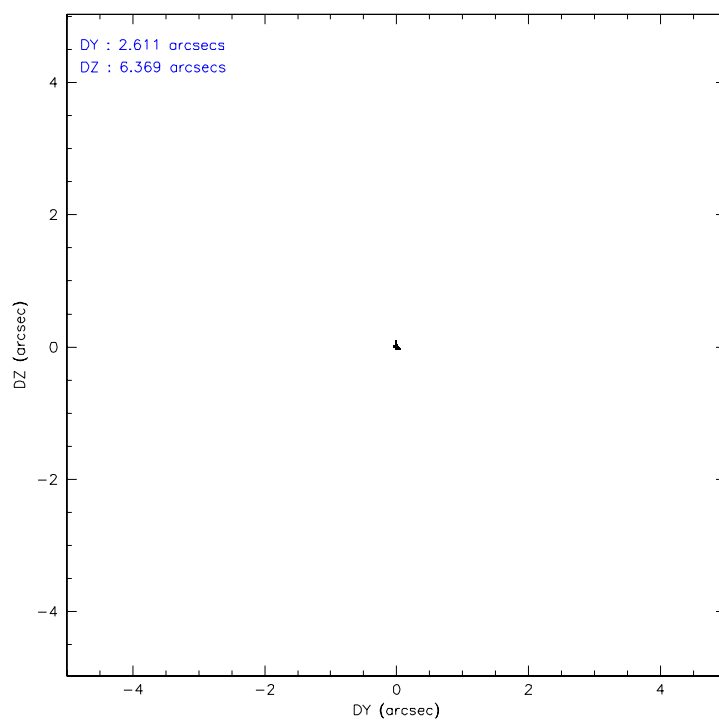
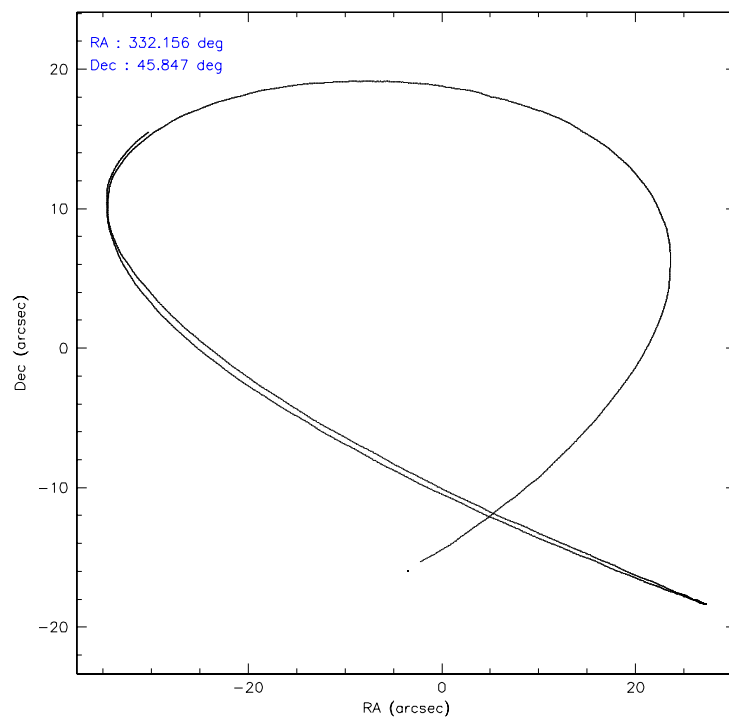
Level 1 Events

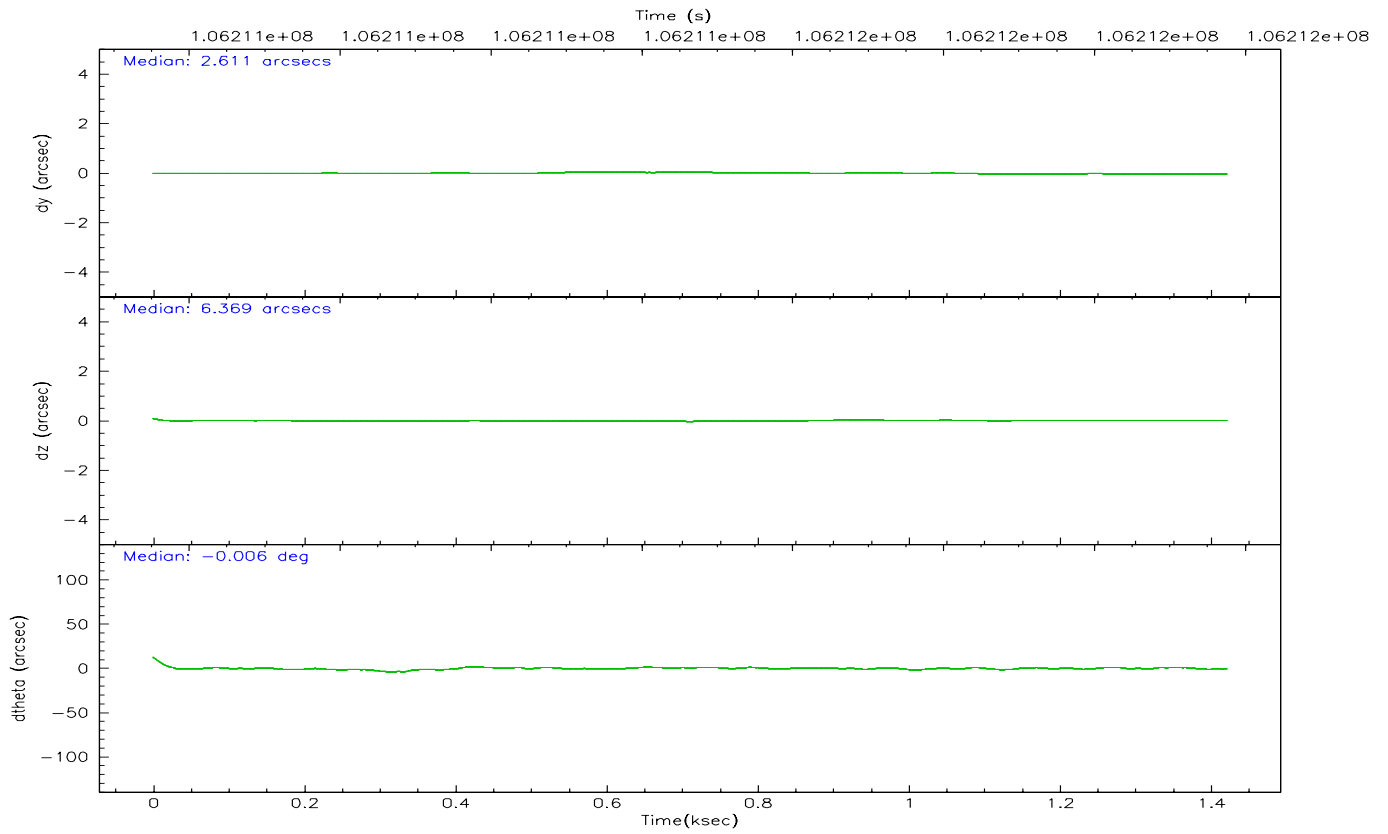
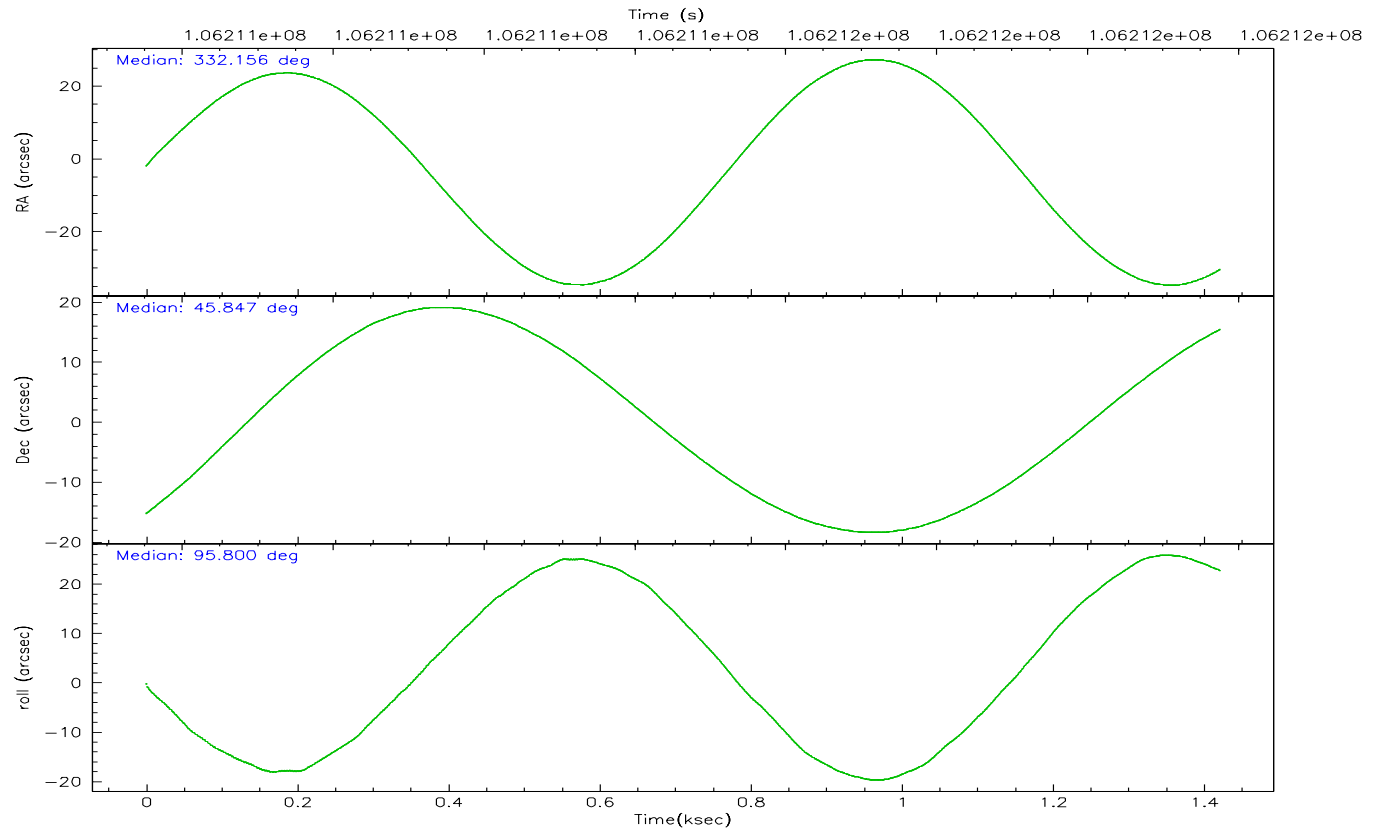
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	1132	86342	1218
rejected events	1132	28674	1218
rejected %	100%	33%	100%

## 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	332.180816	332.1554731456019			
Pointing Dec	45.824130	45.84672540485577			
Pointing Roll	95.720463	95.80593521382367			
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	106210939.184000	106210563.17107			
Observation start date	2001-05-14T07:01:15	2001-05-14T06:56:03			
Observation end time	106212173.184000	106212306.69613			
Observation end date	2001-05-14T07:21:49	2001-05-14T07:25:06			

## 2.3 Aspect





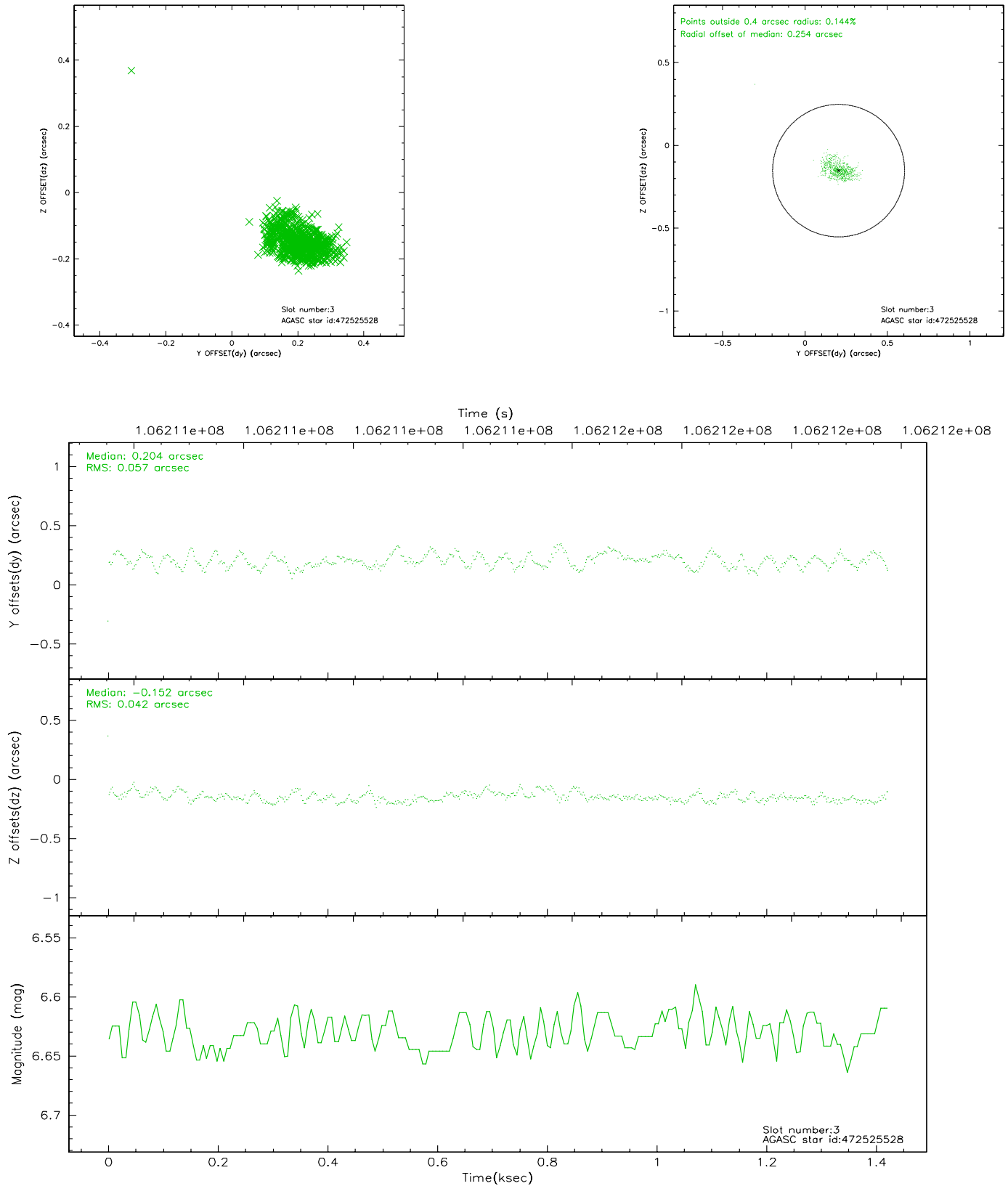
### Slot Statistics

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	0.109	-0.111	0.006	0.012	0.000000	0.000000	-1156.65	-454.93
1	FID	HRC-S-3	7.00	347	0.152	-0.094	0.007	0.012	0.000000	0.000000	-1162.70	573.30
2	FID	HRC-S-4	6.94	347	0.126	-0.091	0.004	0.009	0.000000	0.000000	1238.24	578.92
3	GUIDE	472525528	6.63	695	0.204	-0.152	0.073	0.110	331.551102	45.248694	-1896.69	1793.56
4	GUIDE	472535576	7.85	695	-0.110	-0.124	0.057	0.089	331.438373	46.291802	1864.17	1671.57
5	GUIDE	472536328	8.13	695	-0.159	-0.030	0.048	0.076	331.496671	46.454831	2437.27	1463.87
6	GUIDE	472523760	8.24	694	0.119	0.029	0.058	0.100	331.645363	45.403260	-1365.48	1499.17
7	GUIDE	472665256	9.00	693	-0.070	0.269	0.076	0.125	332.808125	46.195041	1176.38	-1686.65

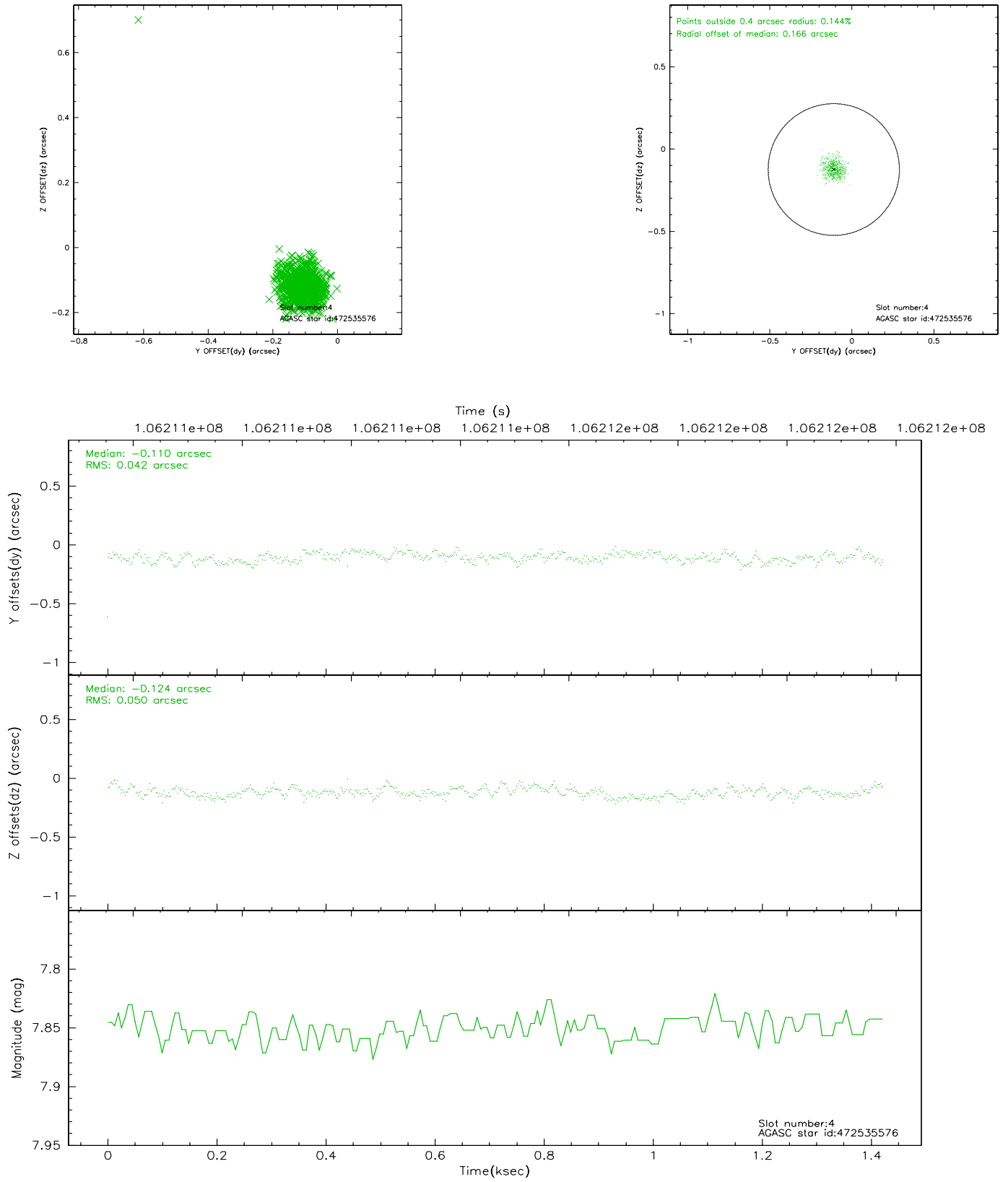


## 2.4 Star Slots

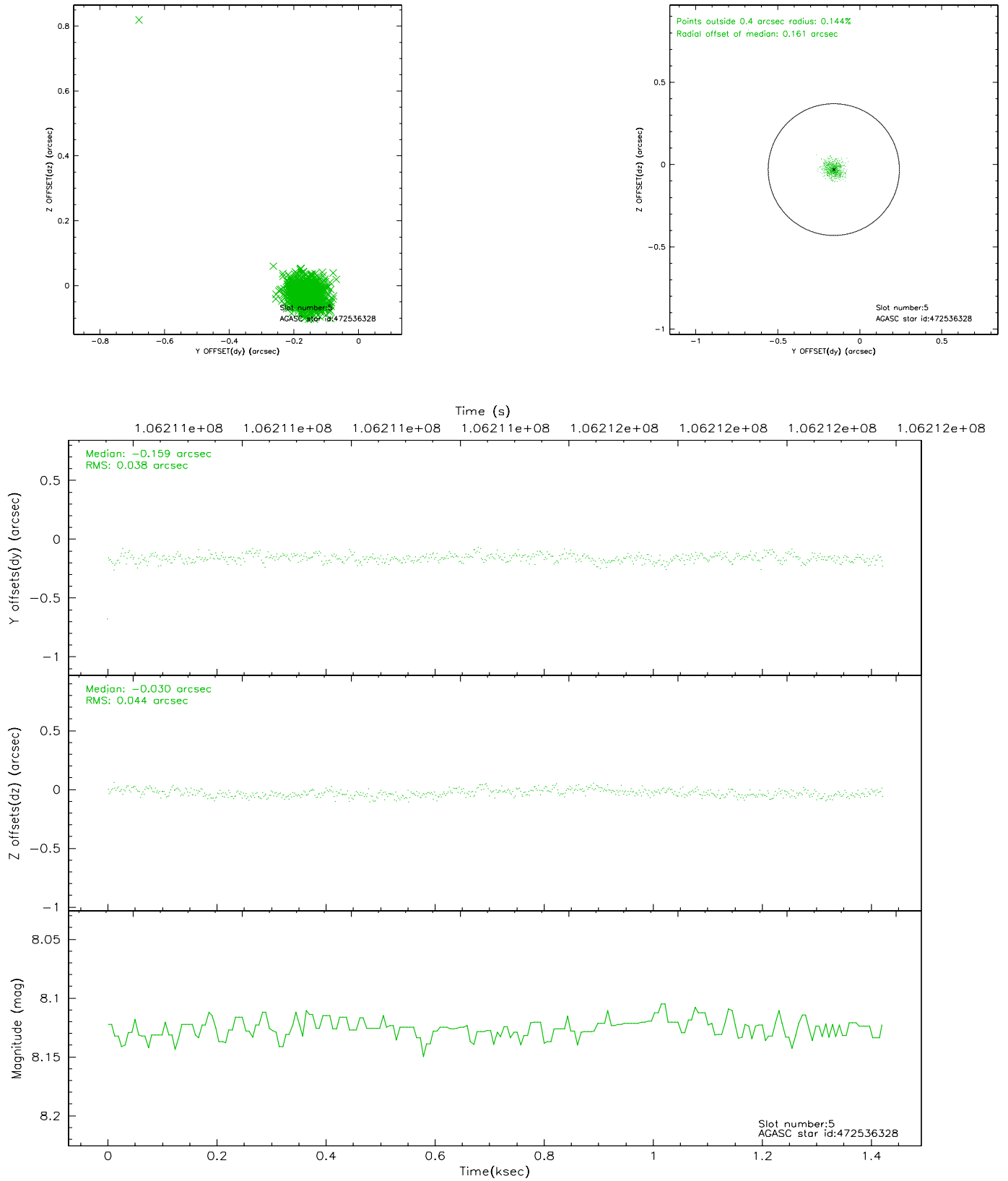
### 2.4.1 Slot 3



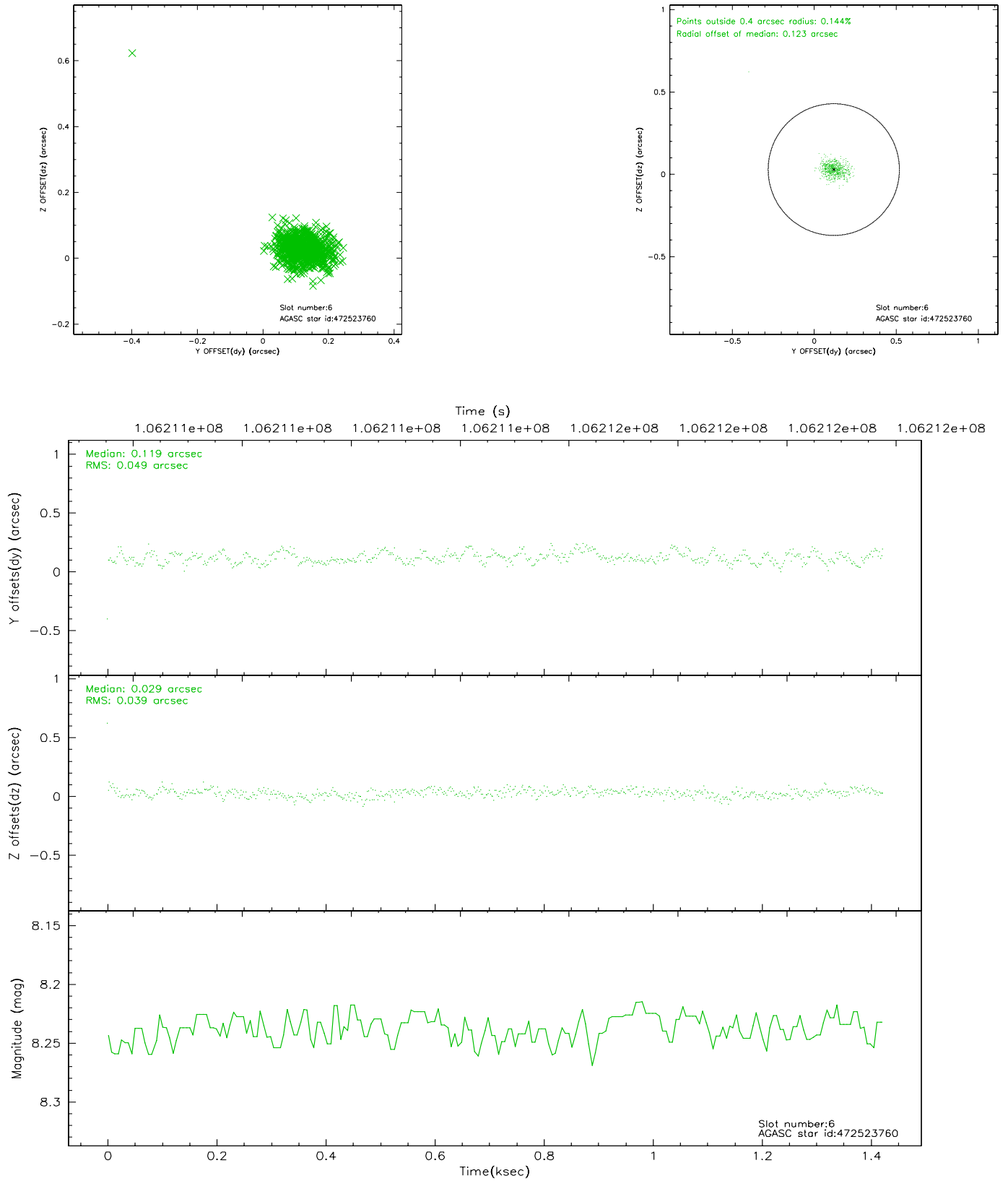
## 2.4.2 Slot 4



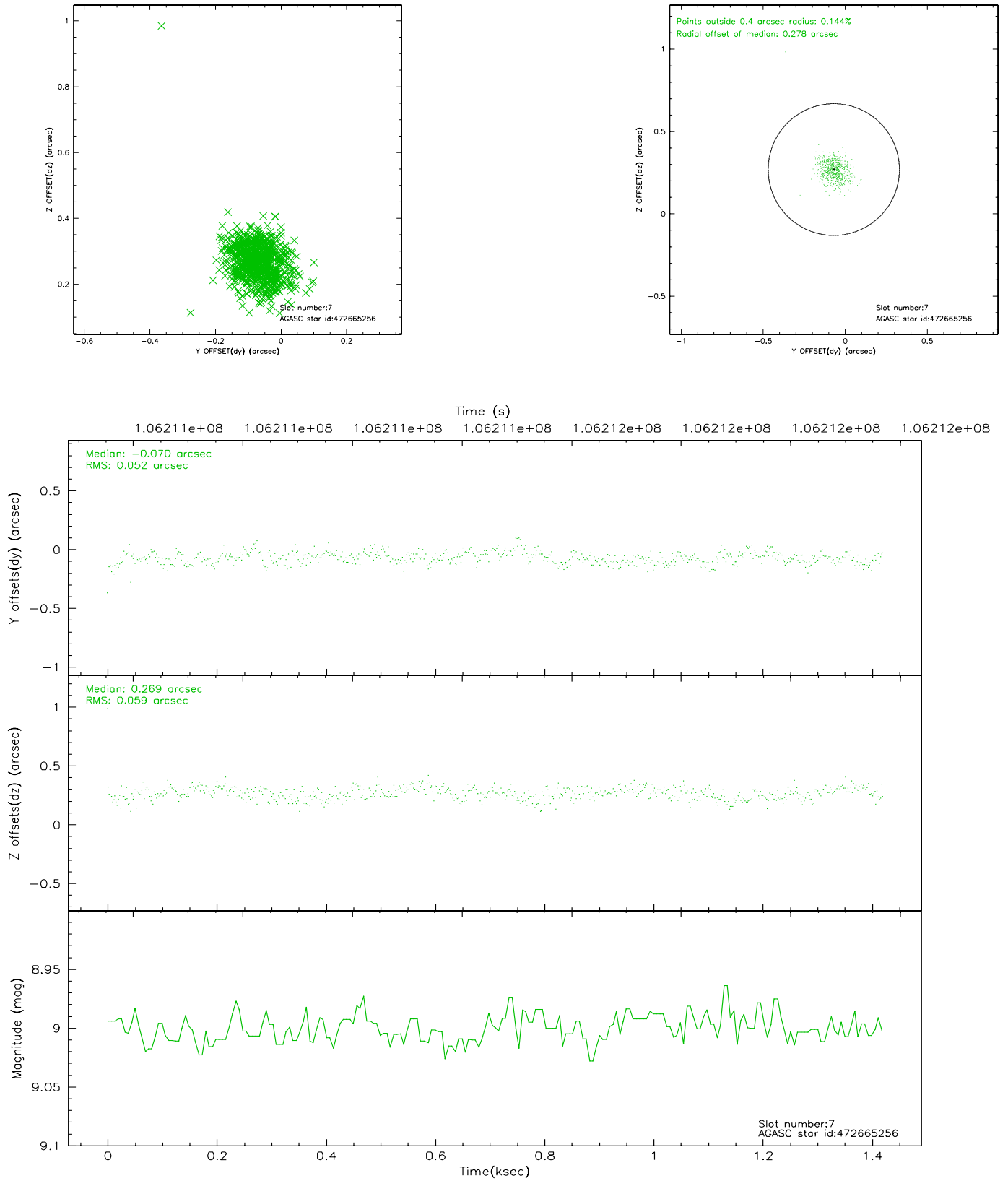
### 2.4.3 Slot 5



## 2.4.4 Slot 6

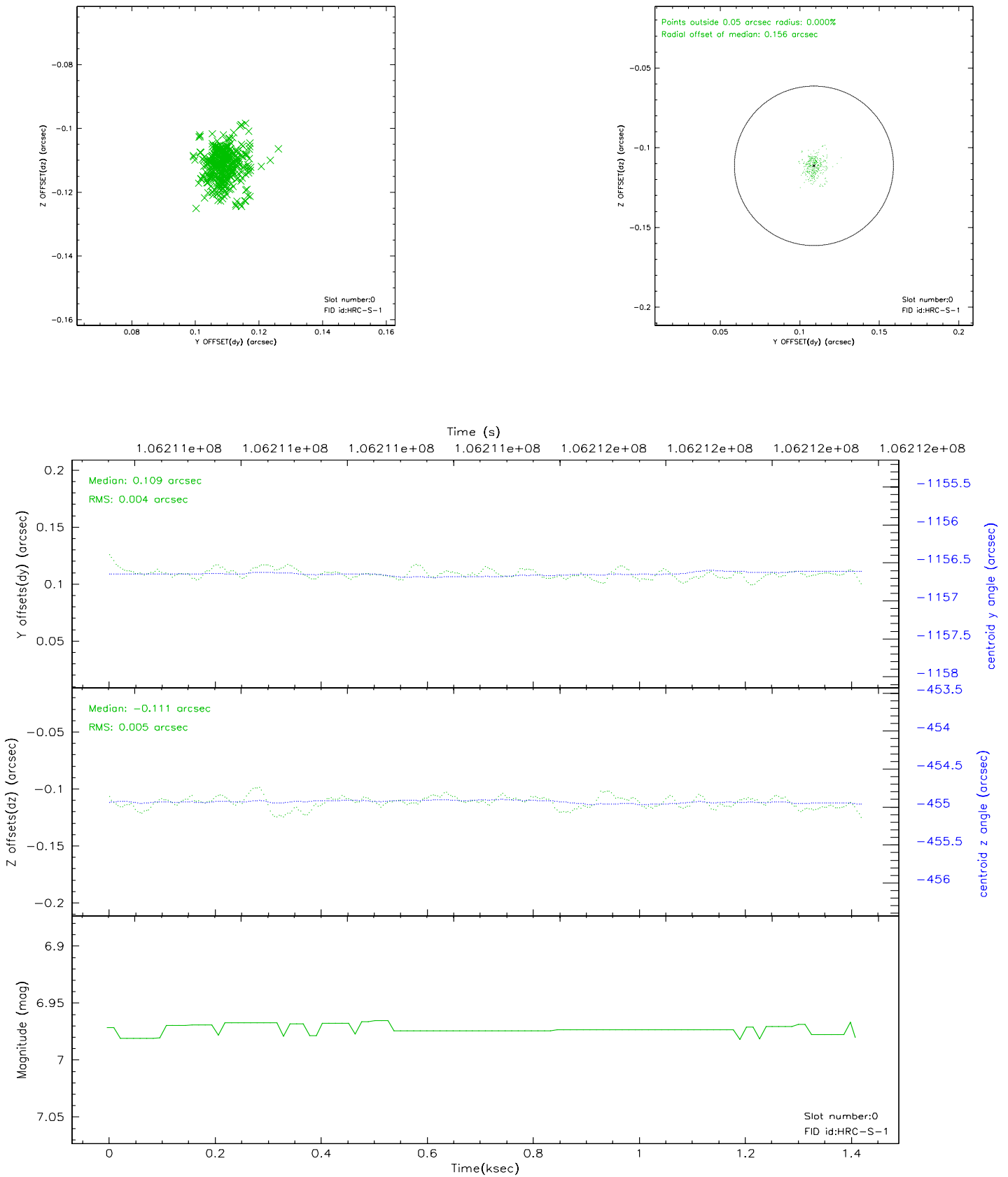


## 2.4.5 Slot 7

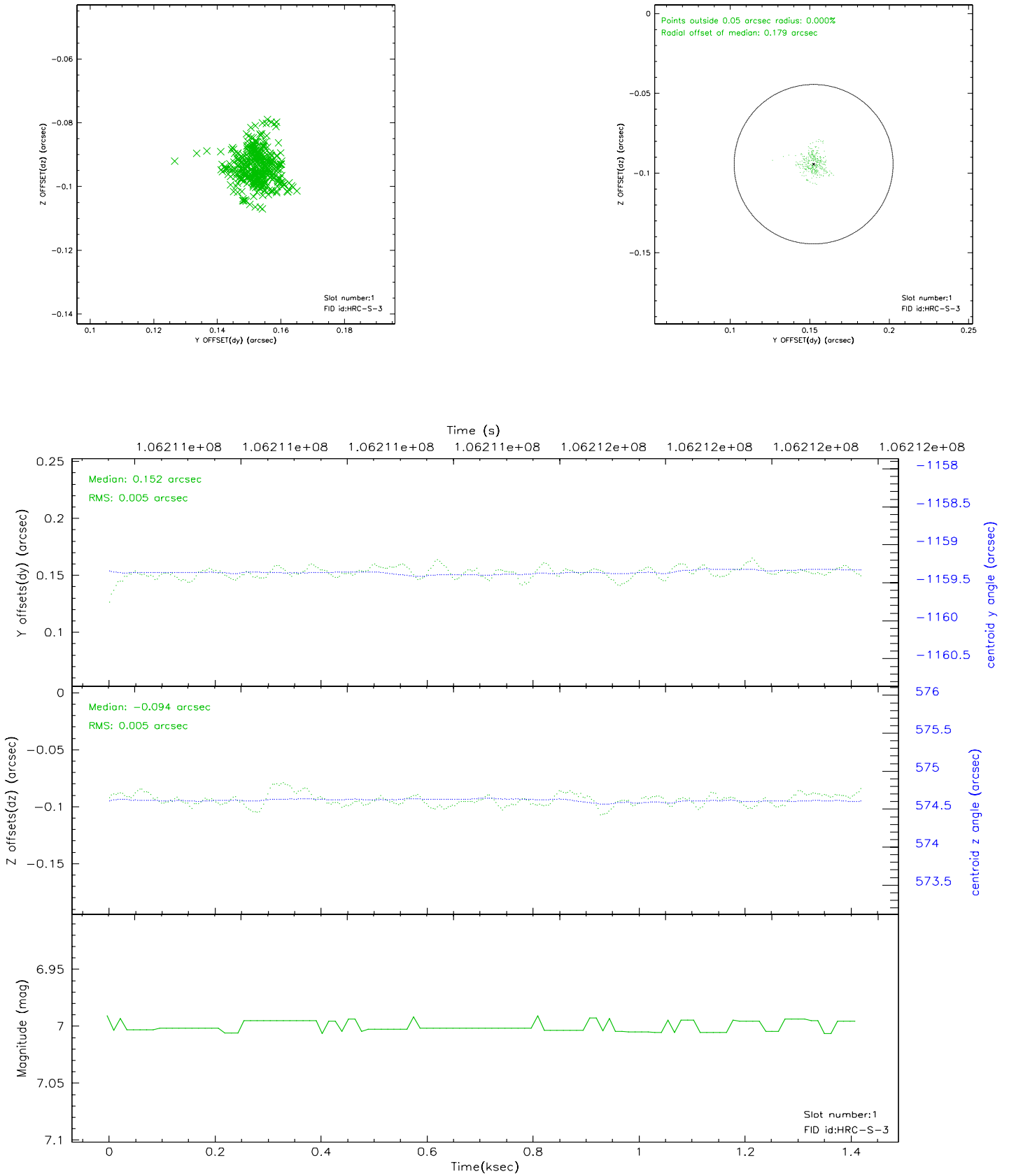


## 2.5 FID Slots

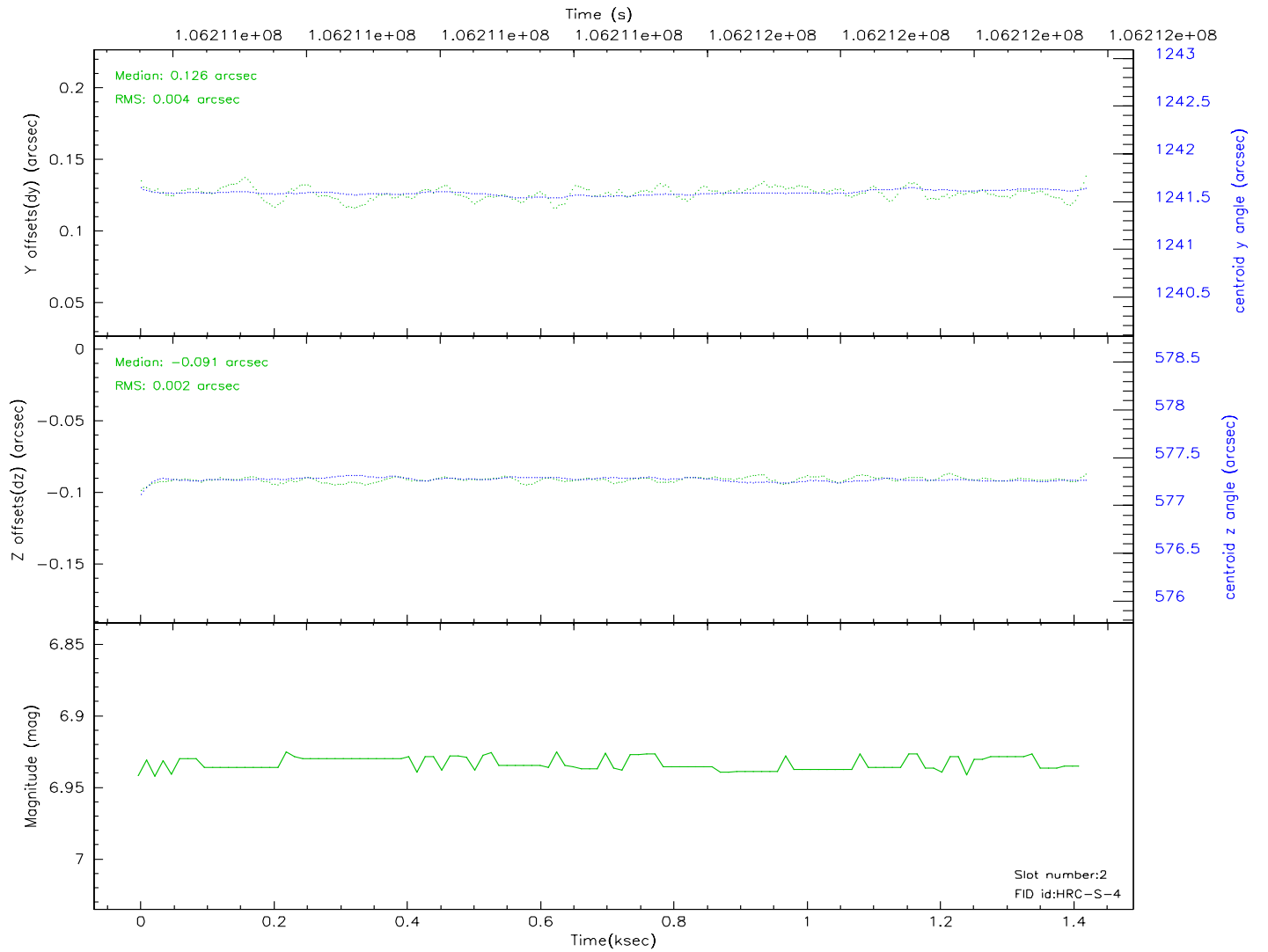
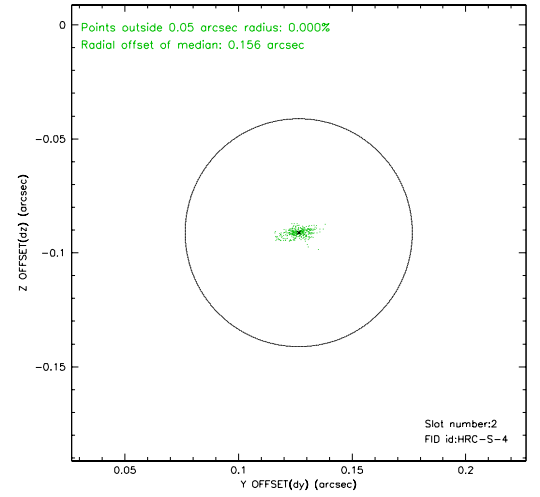
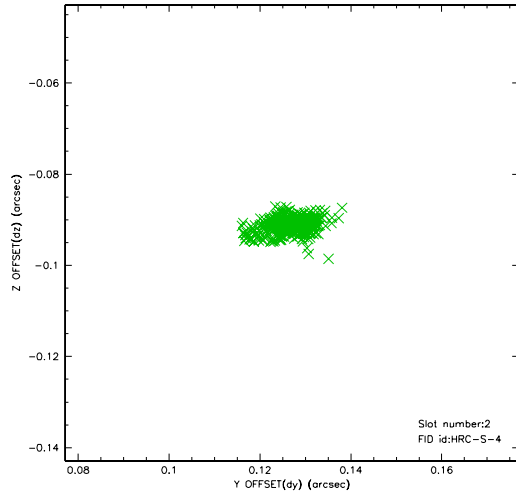
### 2.5.1 Slot 0



## 2.5.2 Slot 1

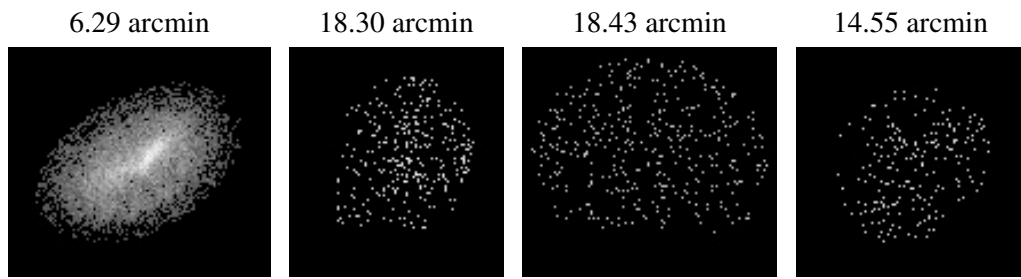


## 2.5.3 Slot 2





### 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	1.415

### A.2 Comments