

# V&V Reference Report

## L2 ASCDS Version : 7.6.8.1

Observation 2639 - L2 Version 001  
Chandra X-Ray Center

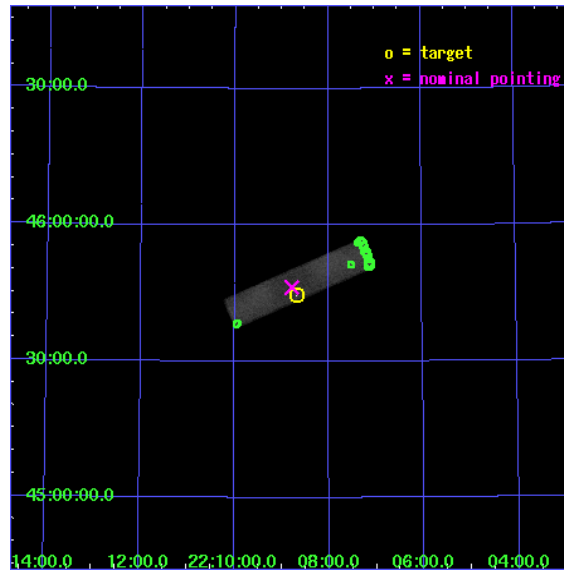
L2 Processing Date : Aug 29 2006

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# 1 Front

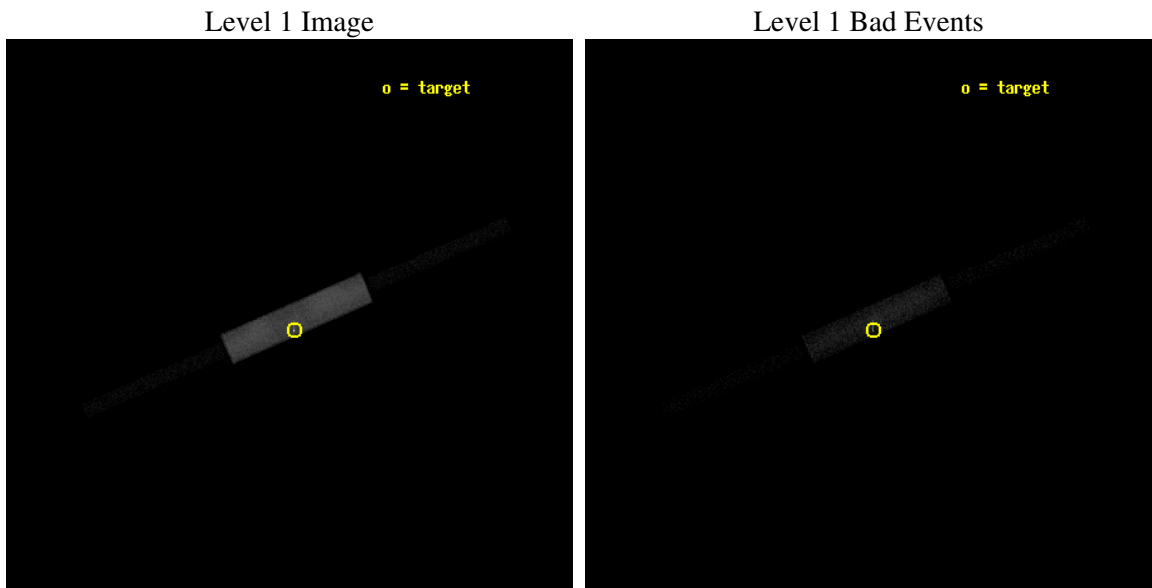
seq_num	290195
obs_id	2639
title	AO3A HRC-S CALIBRATION OBSERVATION: MINI-SCAN OF ARLAC
observer	Dr. CXC Calibration
object	ARLAC
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.19541210402
dec_nom	45.77176553091
roll_nom	336.38957748189
revision	2
ontime	1142.1062960029
livetime	1130.0040876526
l2events	71560



## 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	2006-08-29T02:56:54
revision	2

sched_exp_time	1000.000000
ontime	1194.3812981099
l1events	117713

### 2.1.3 Events

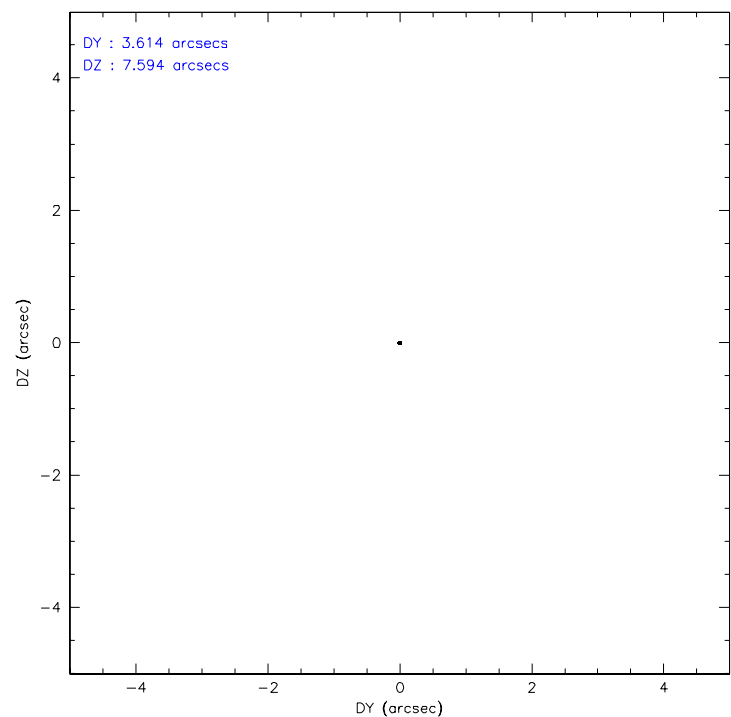
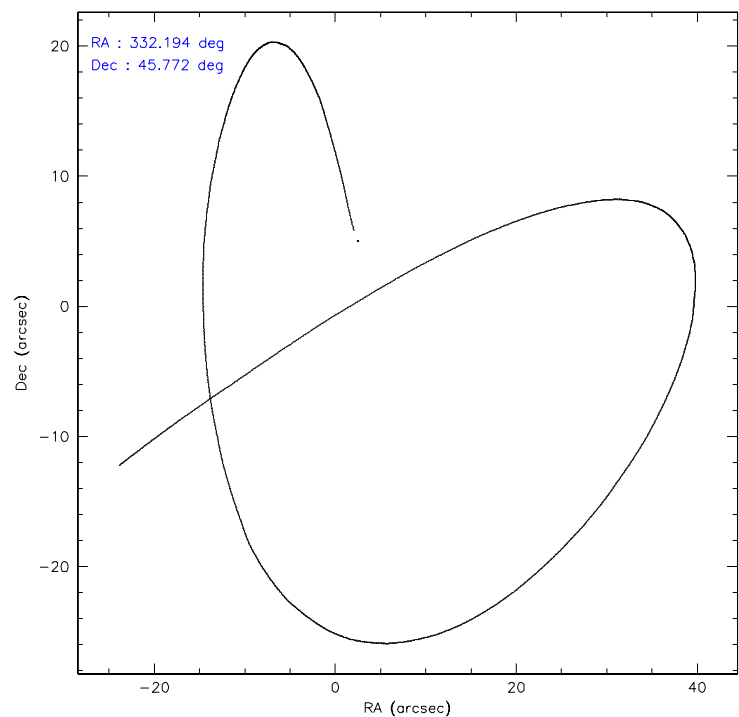
Level 1 Events

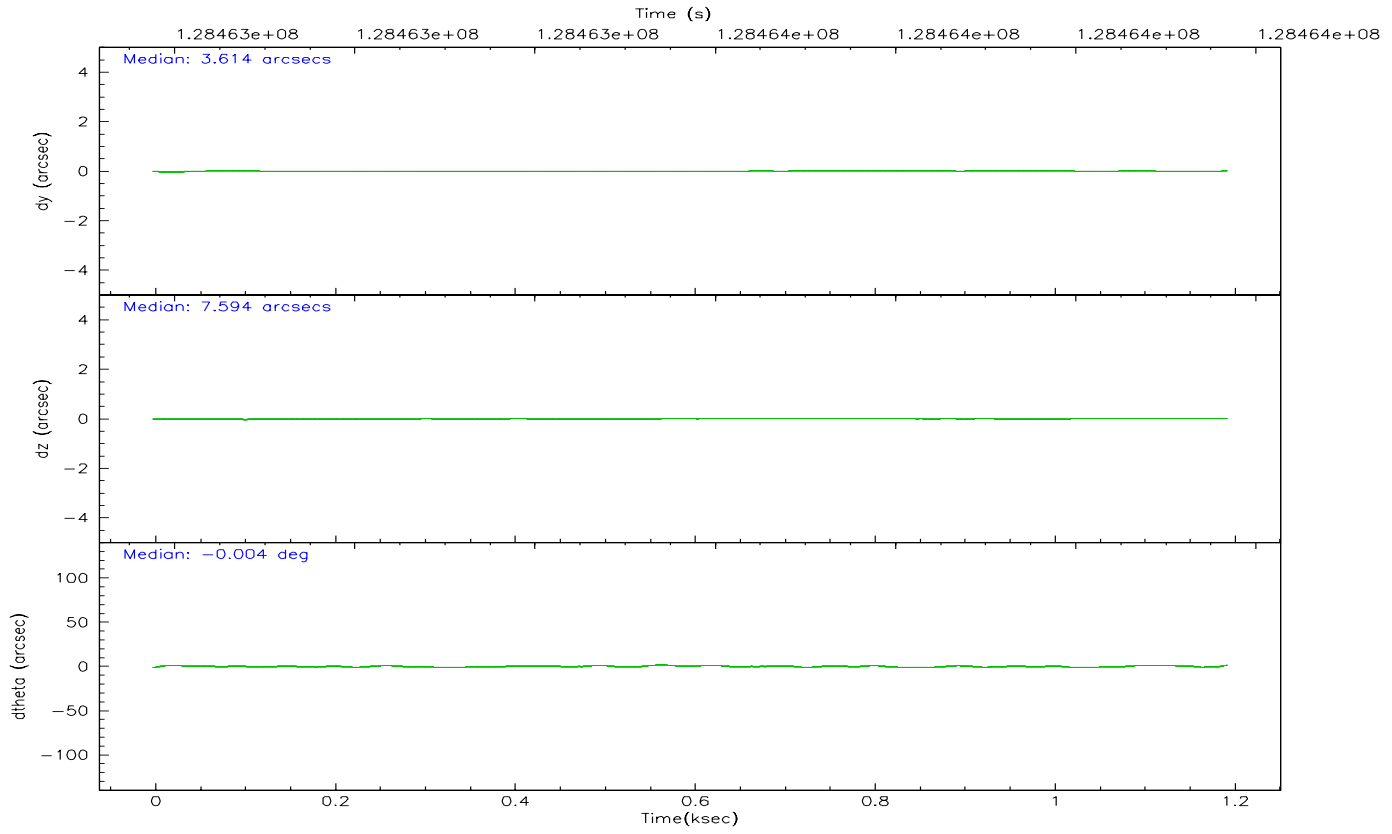
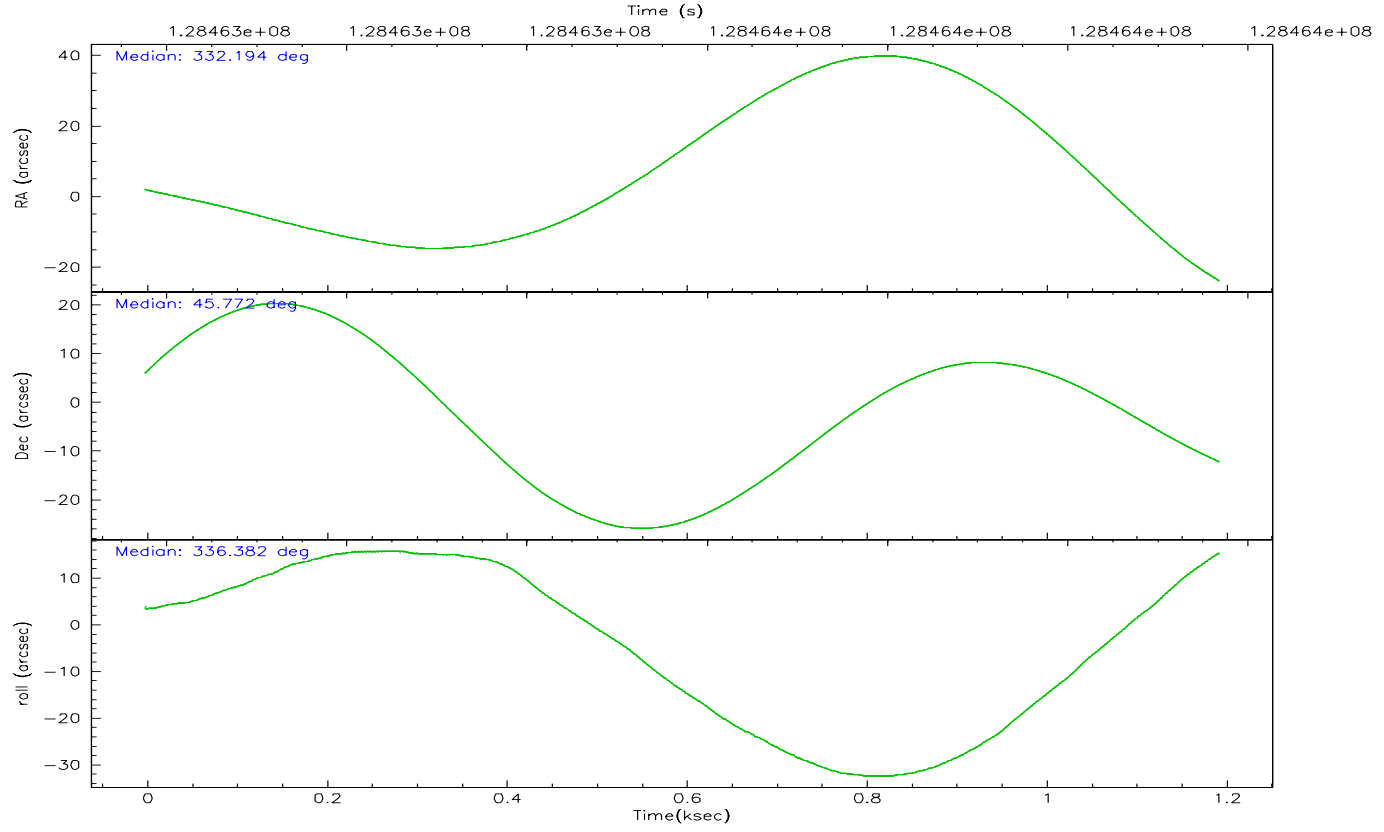
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	2591	112907	2215
rejected events	2591	38409	2215
rejected %	100%	34%	100%

## 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	332.154781	332.1954121040156			
Pointing Dec	45.766251	45.77176553090965			
Pointing Roll	336.351346	336.3895774818922			
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	128463167.184000	128462791.30165			
Observation start date	2002-01-26T20:11:43	2002-01-26T20:06:31			
Observation end time	128464167.184000	128464301.12671			
Observation end date	2002-01-26T20:28:23	2002-01-26T20:31:41			

## 2.3 Aspect





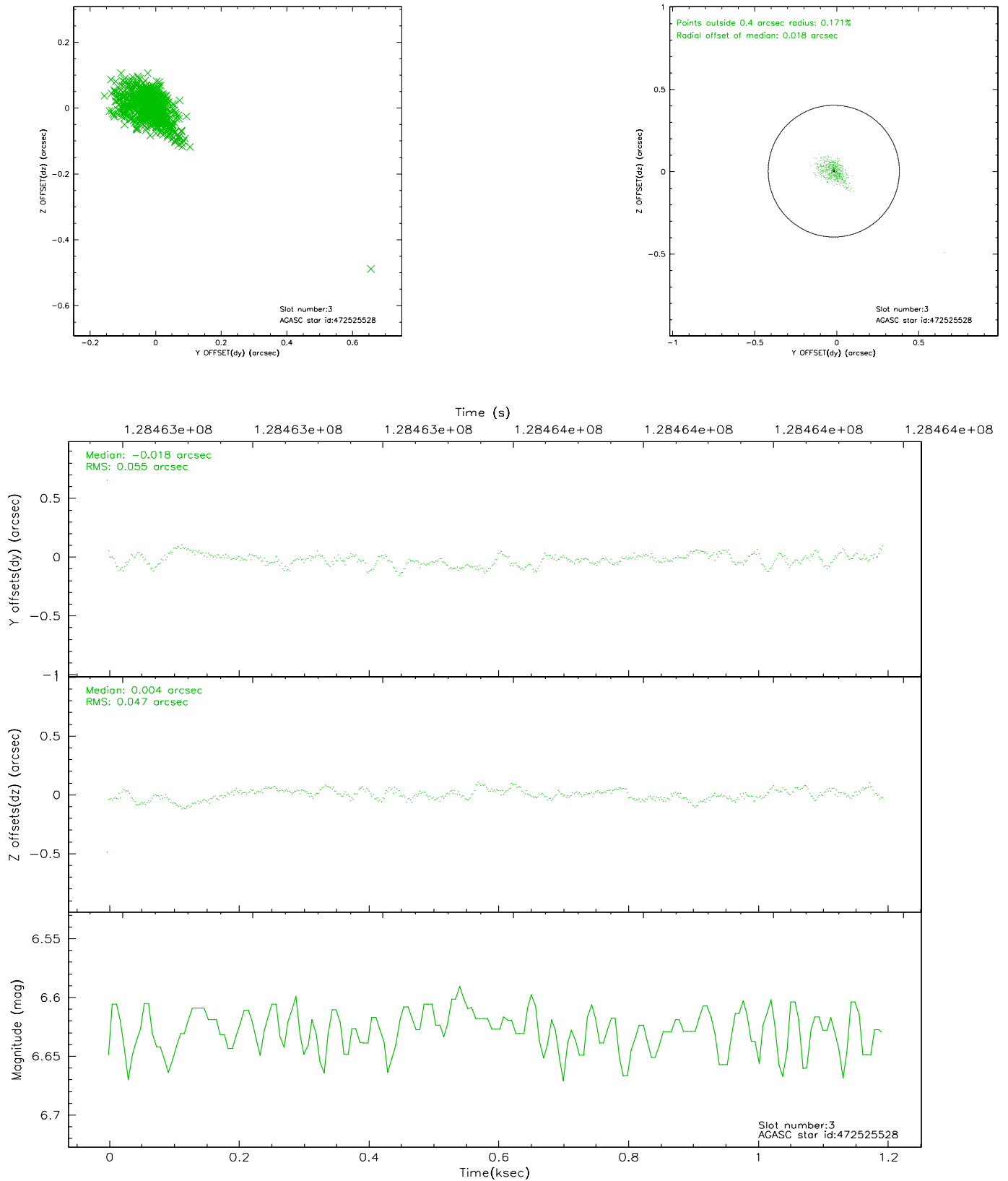
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.99	292	0.154	-0.085	0.006	0.010	0.000000	0.000000	-1157.64	-456.14
1	FID	HRC-S-2	6.99	292	0.076	-0.088	0.004	0.009	0.000000	0.000000	1238.00	-450.31
2	FID	HRC-S-3	7.01	292	0.160	-0.129	0.006	0.010	0.000000	0.000000	-1156.13	571.81
3	GUIDE	472525528	6.63	584	-0.018	0.004	0.066	0.115	331.551102	45.248694	-655.49	-2319.06
4	GUIDE	472523760	8.23	584	-0.030	-0.114	0.072	0.109	331.645363	45.403260	-657.18	-1717.74
5	GUIDE	472665256	9.01	581	-0.046	-0.009	0.102	0.161	332.808125	46.195041	868.65	2066.58
6	GUIDE	472659832	9.47	584	0.100	0.130	0.112	0.188	332.780399	46.098139	950.90	1726.59
7	GUIDE	472654568	9.44	582	0.008	-0.008	0.118	0.193	332.194449	45.063576	1109.80	-2277.37

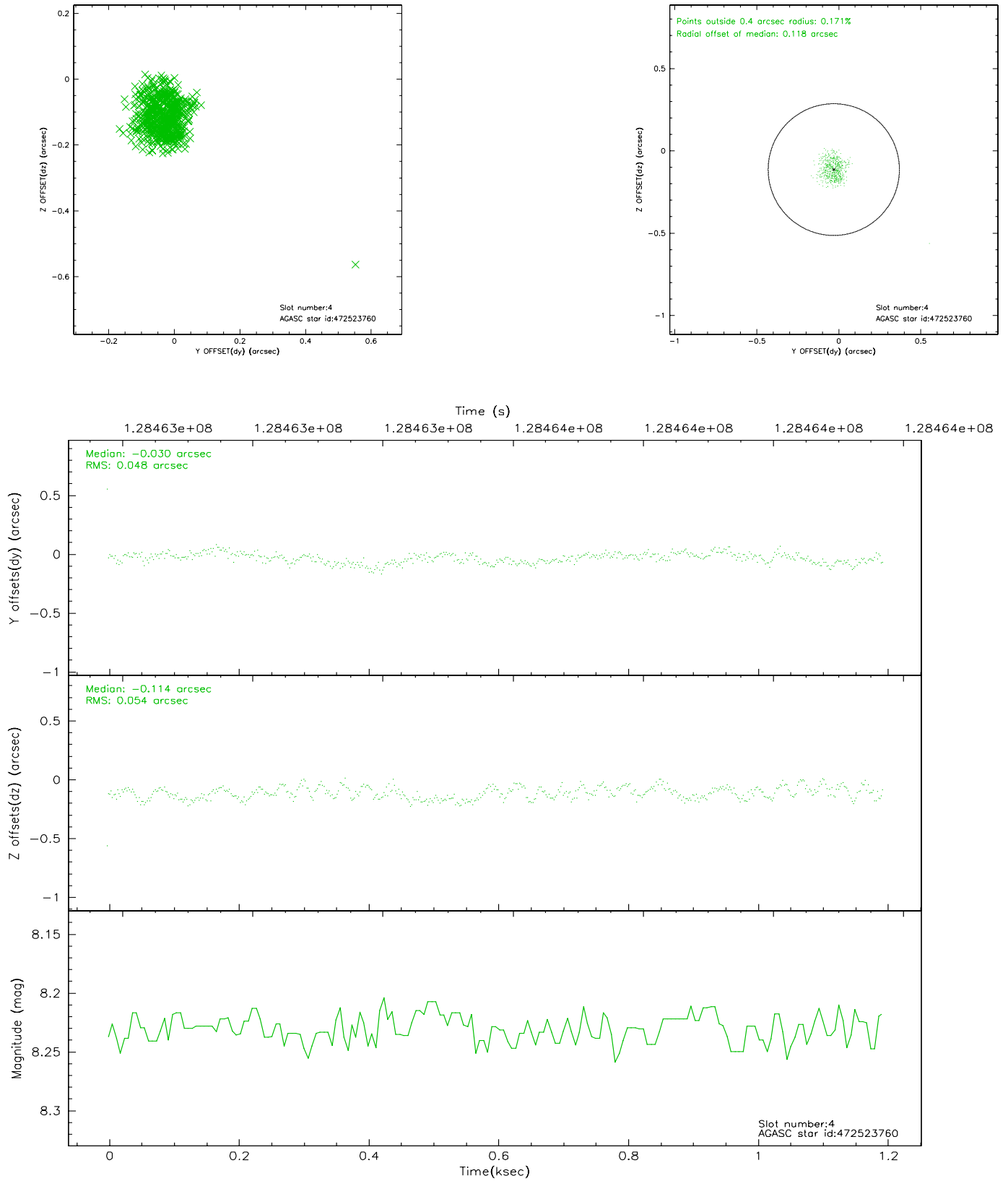


## 2.4 Star Slots

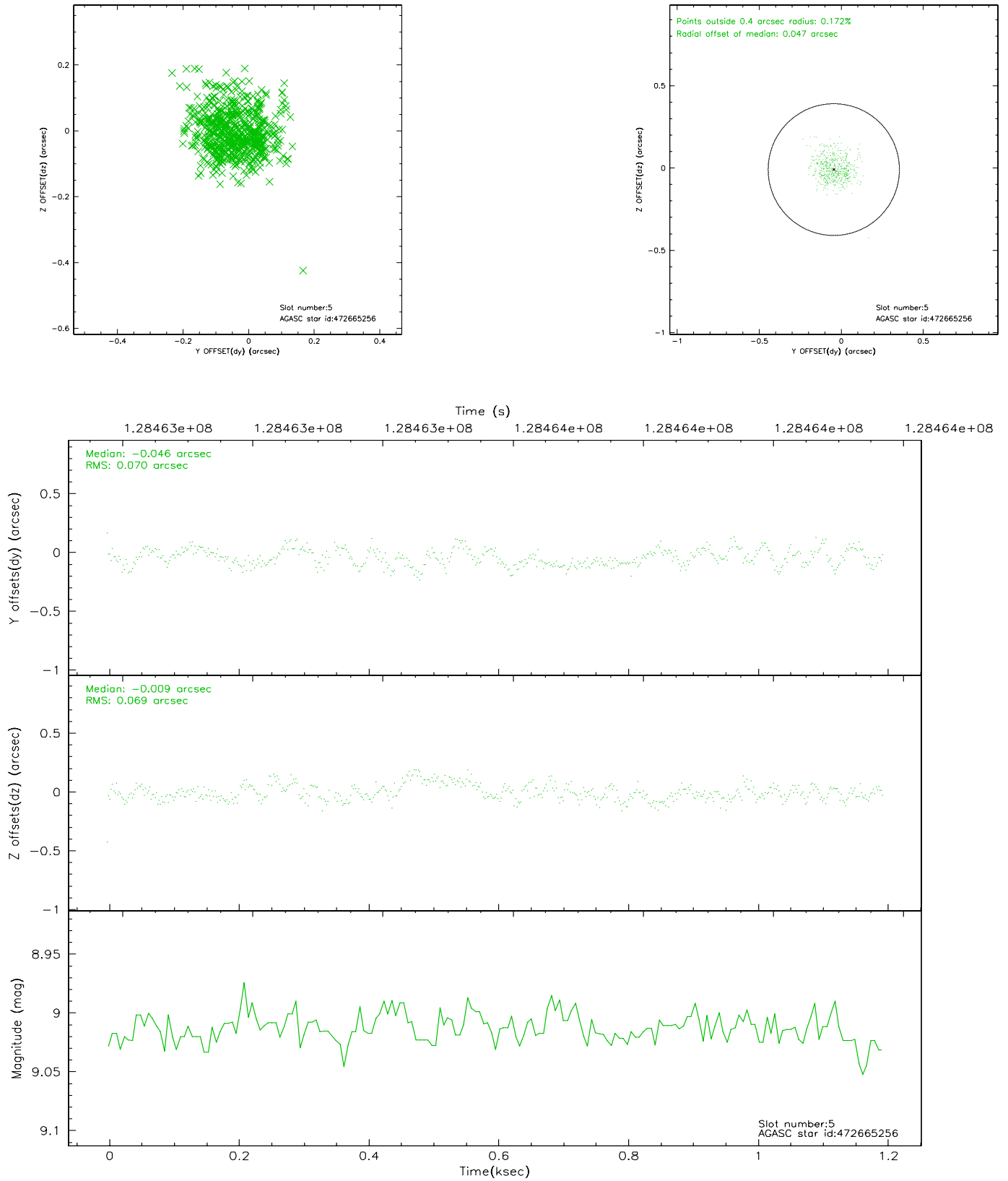
### 2.4.1 Slot 3



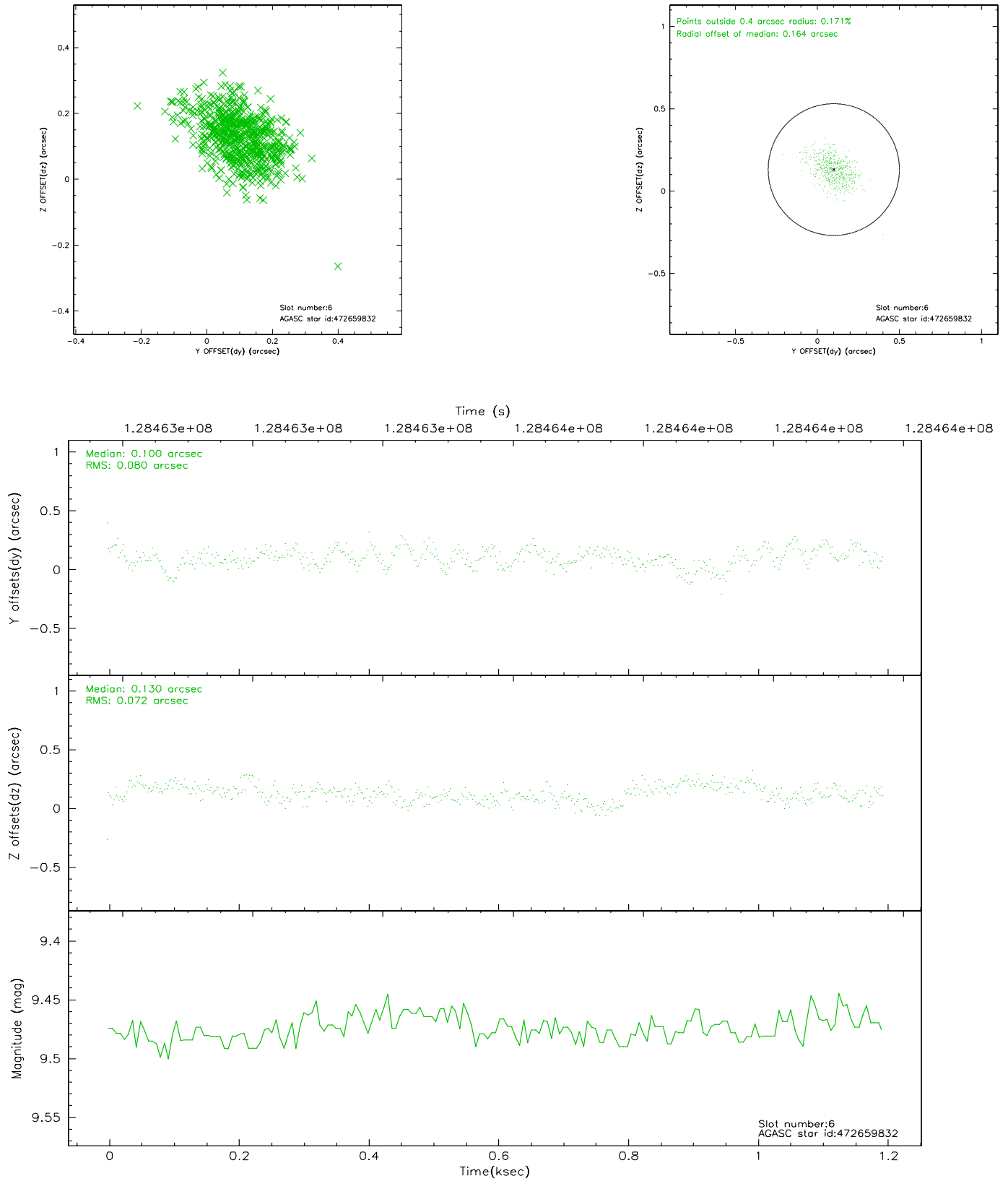
## 2.4.2 Slot 4



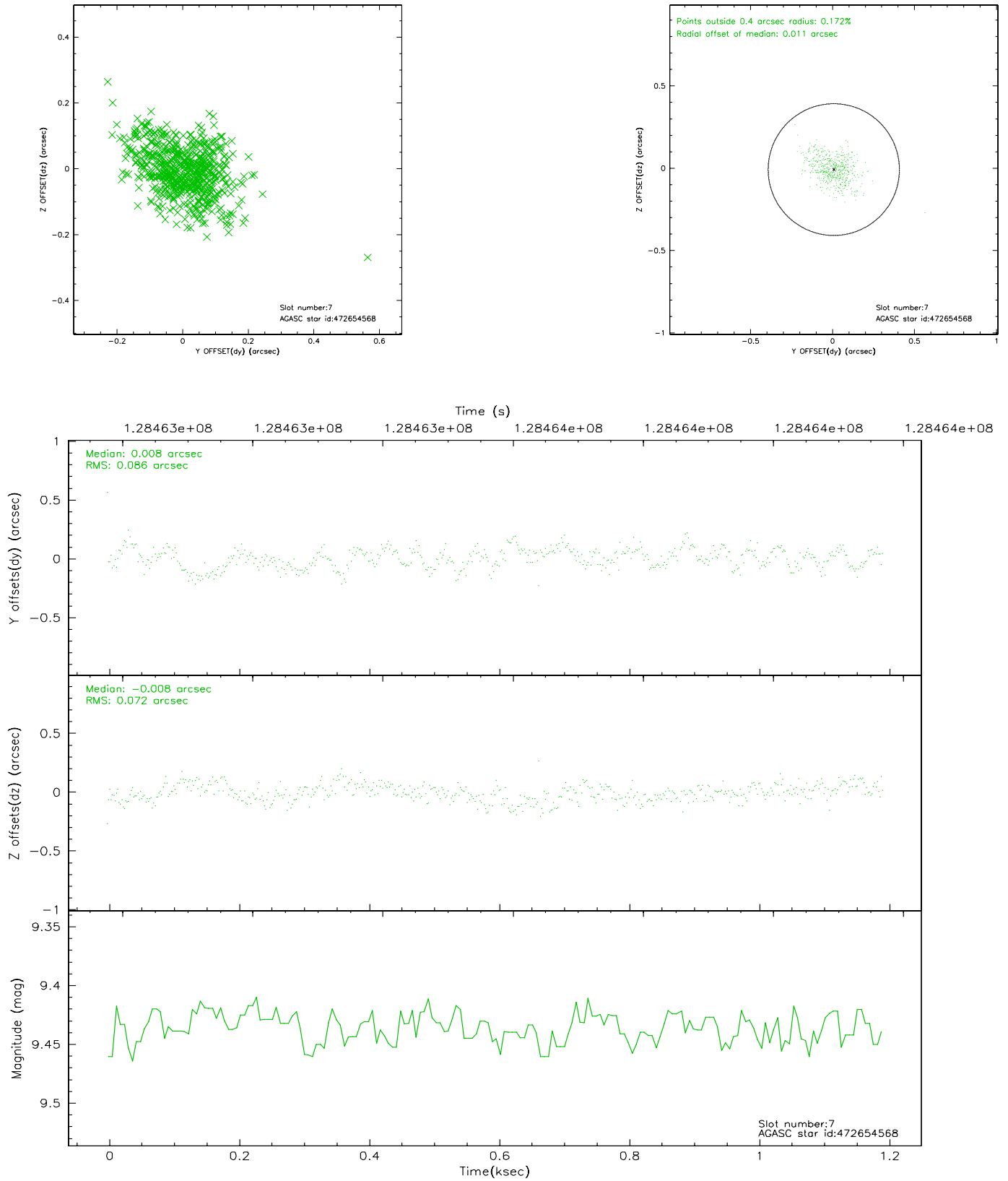
### 2.4.3 Slot 5



## 2.4.4 Slot 6

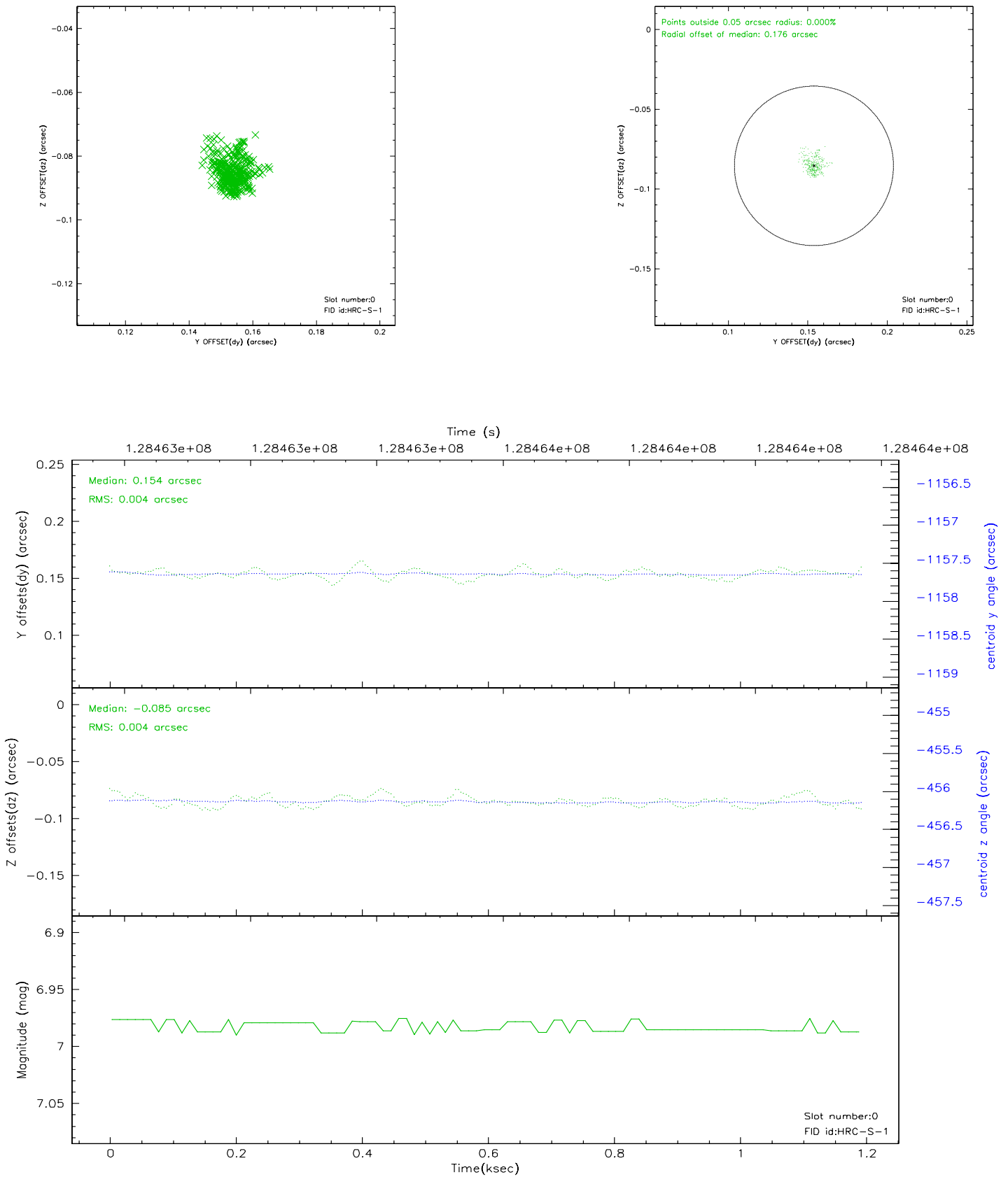


## 2.4.5 Slot 7

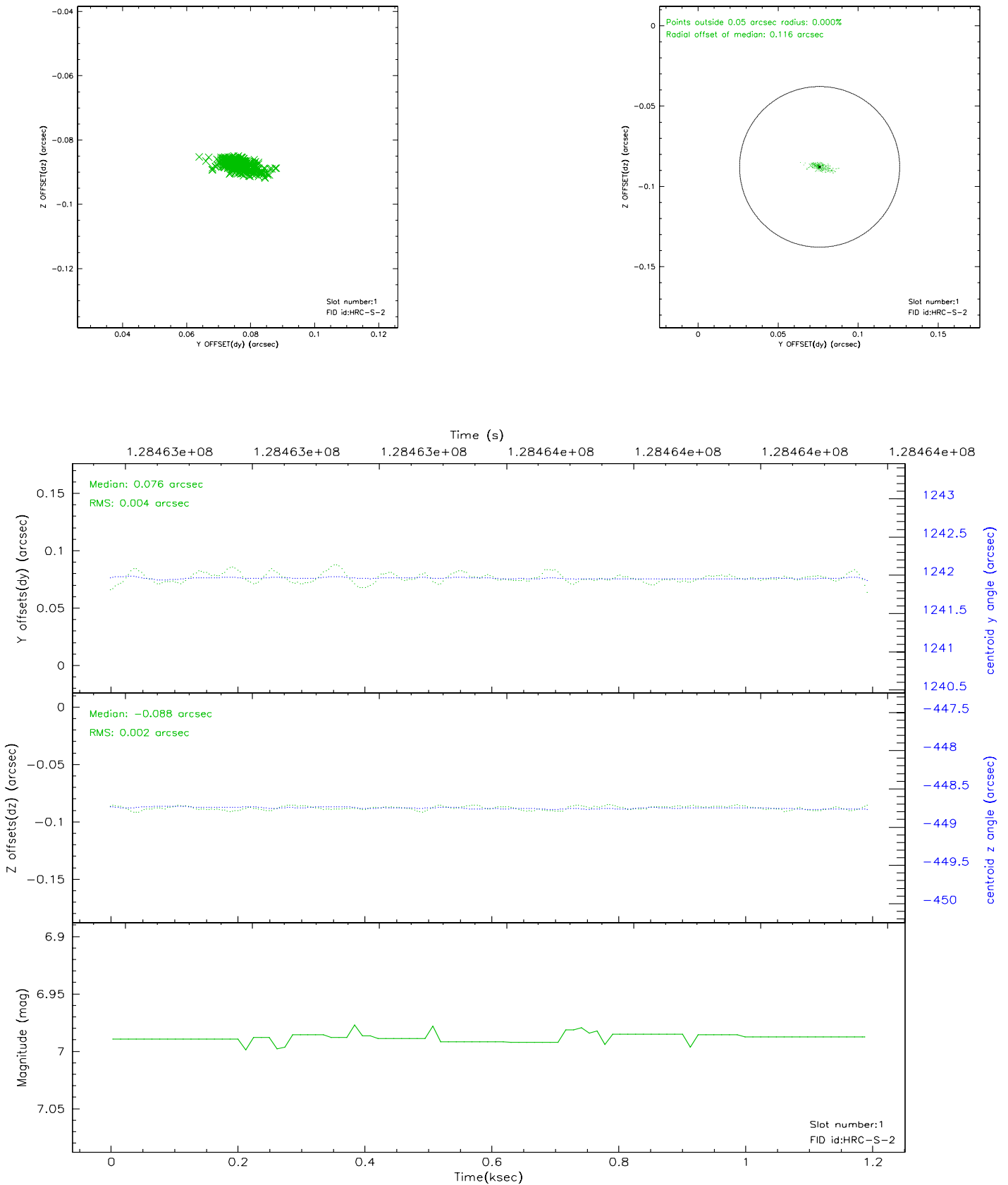


## 2.5 FID Slots

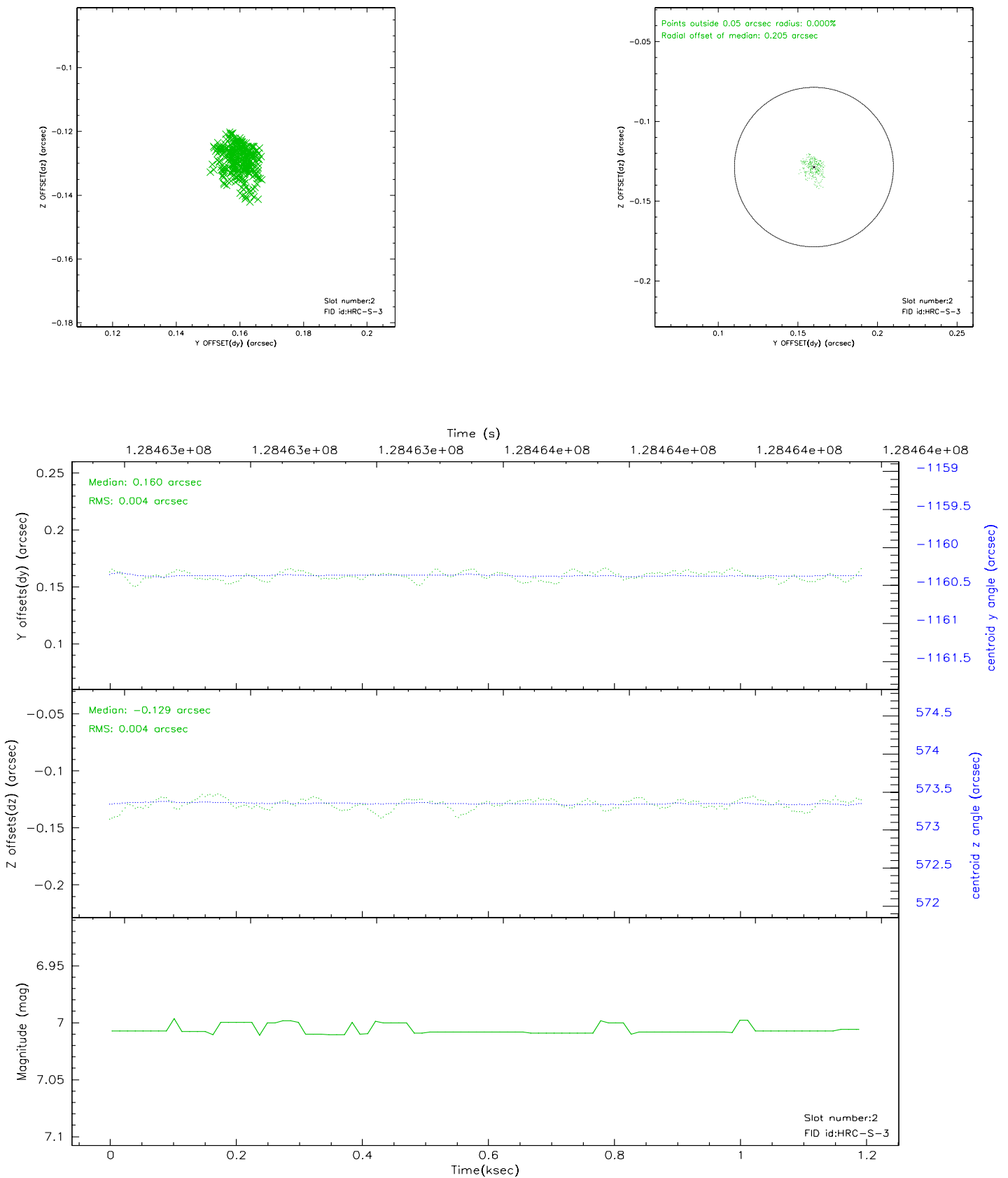
### 2.5.1 Slot 0



## 2.5.2 Slot 1

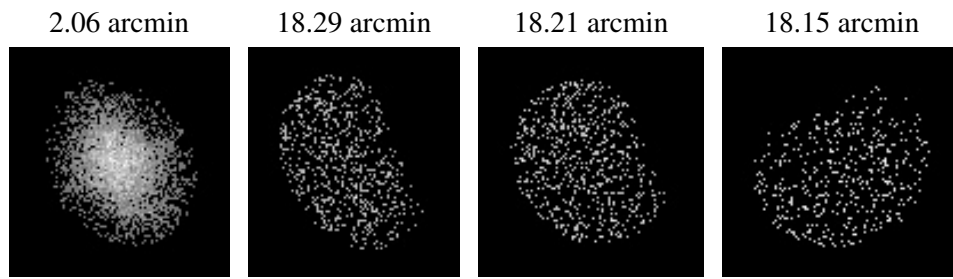


### 2.5.3 Slot 2





### 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	1.194

### A.2 Comments

Monitor constraint met.