

# V&V Reference Report

## L2 ASCDS Version : 7.6.8

Observation 4335 - L2 Version 001  
Chandra X-Ray Center

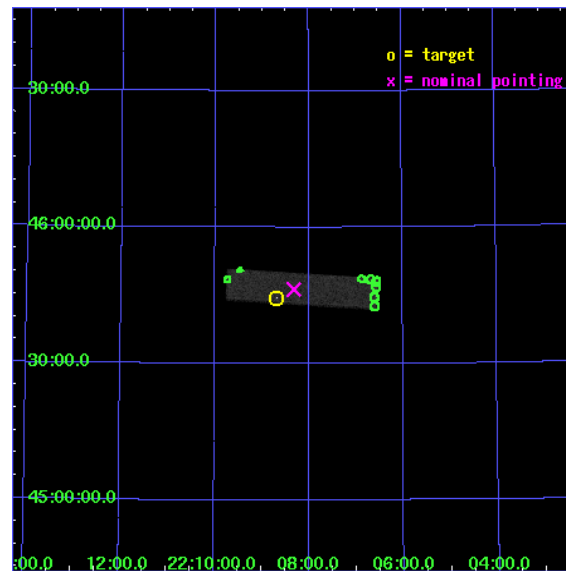
L2 Processing Date : Jul 27 2006

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# 1 Front

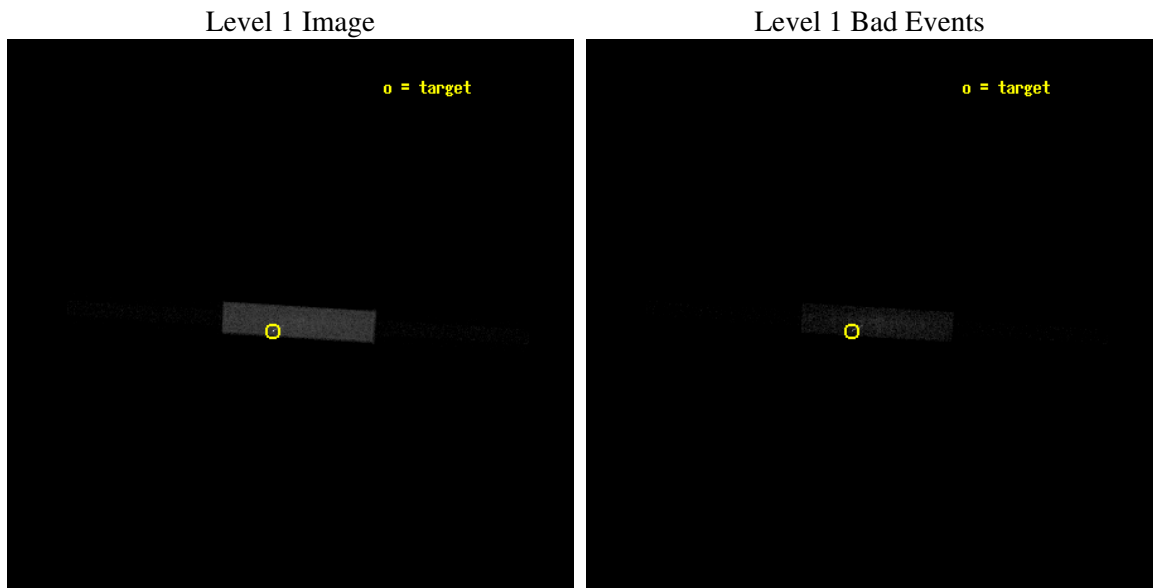
seq_num	290295
obs_id	4335
title	AO4A CALIBRATION OBSERVATIONS TO MONITOR SPATIAL VARIATIONS IN THE HRC-S GAIN
observer	Dr. CXC Calibration
object	ARLAC
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.07858393063
dec_nom	45.772968750944
roll_nom	3.4688398710999
revision	2
ontime	1142.1062980294
livetime	1136.2653757386
l2events	38157



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	0
ascdsver	7.6.8
caldbver	3.2.2
date	2006-07-27T20:04:00
revision	2

sched_exp_time	1000.000000
ontime	1179.7750496268
l1events	67113

### 2.1.3 Events

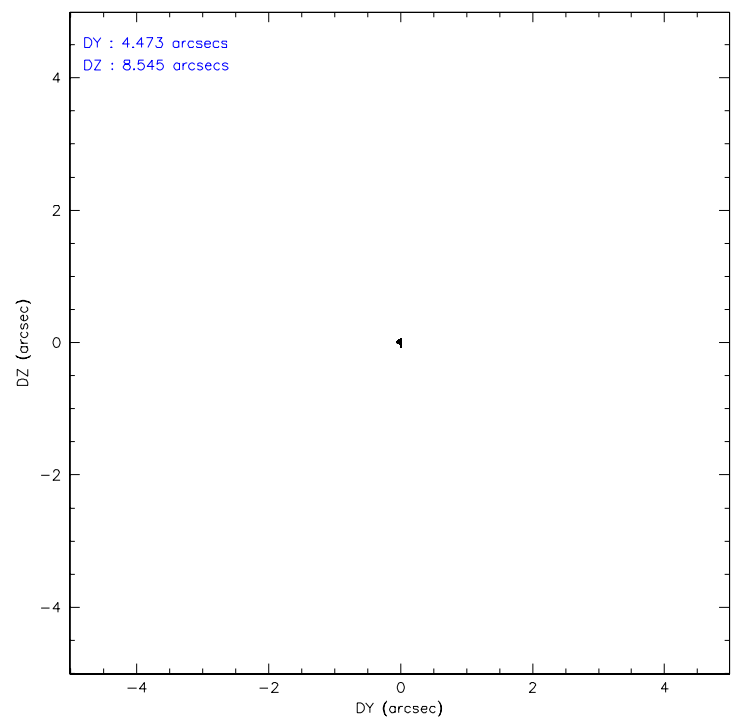
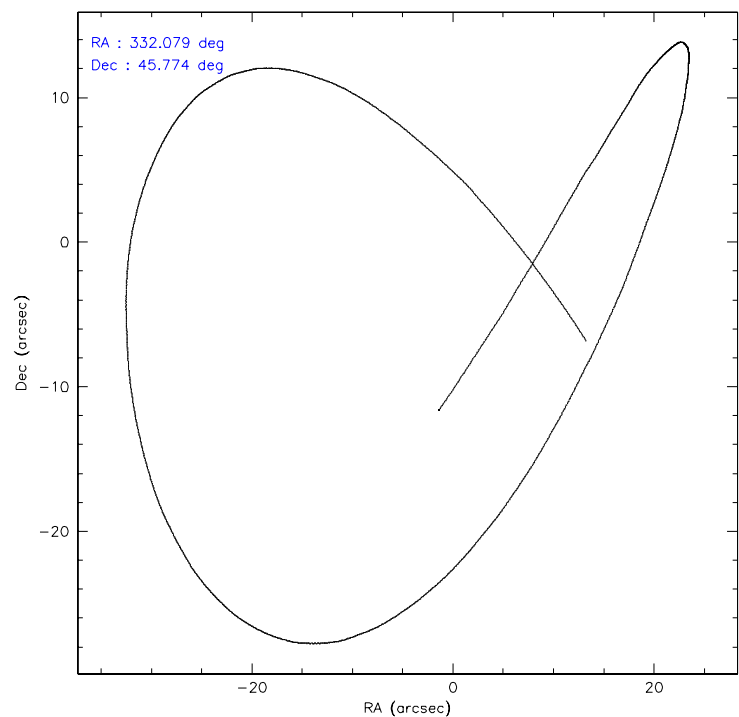
Level 1 Events

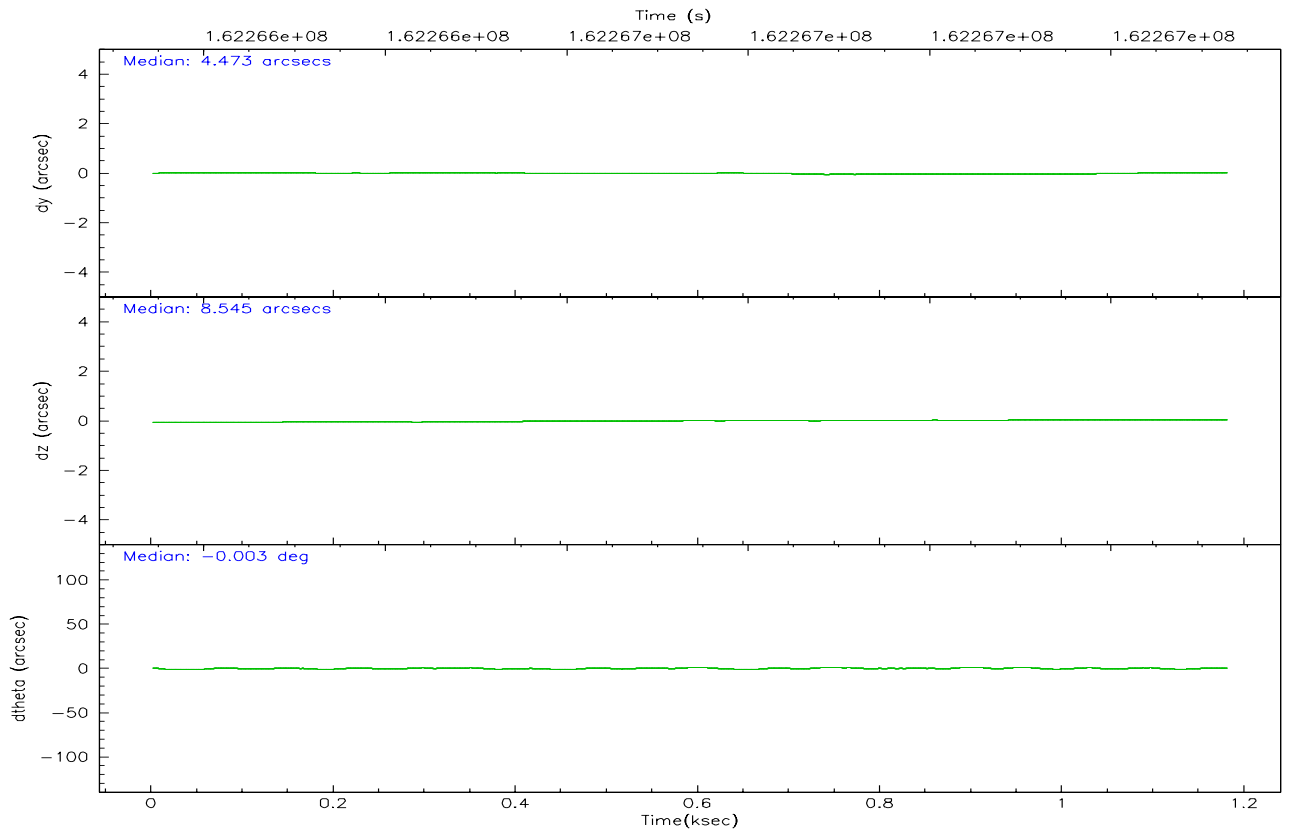
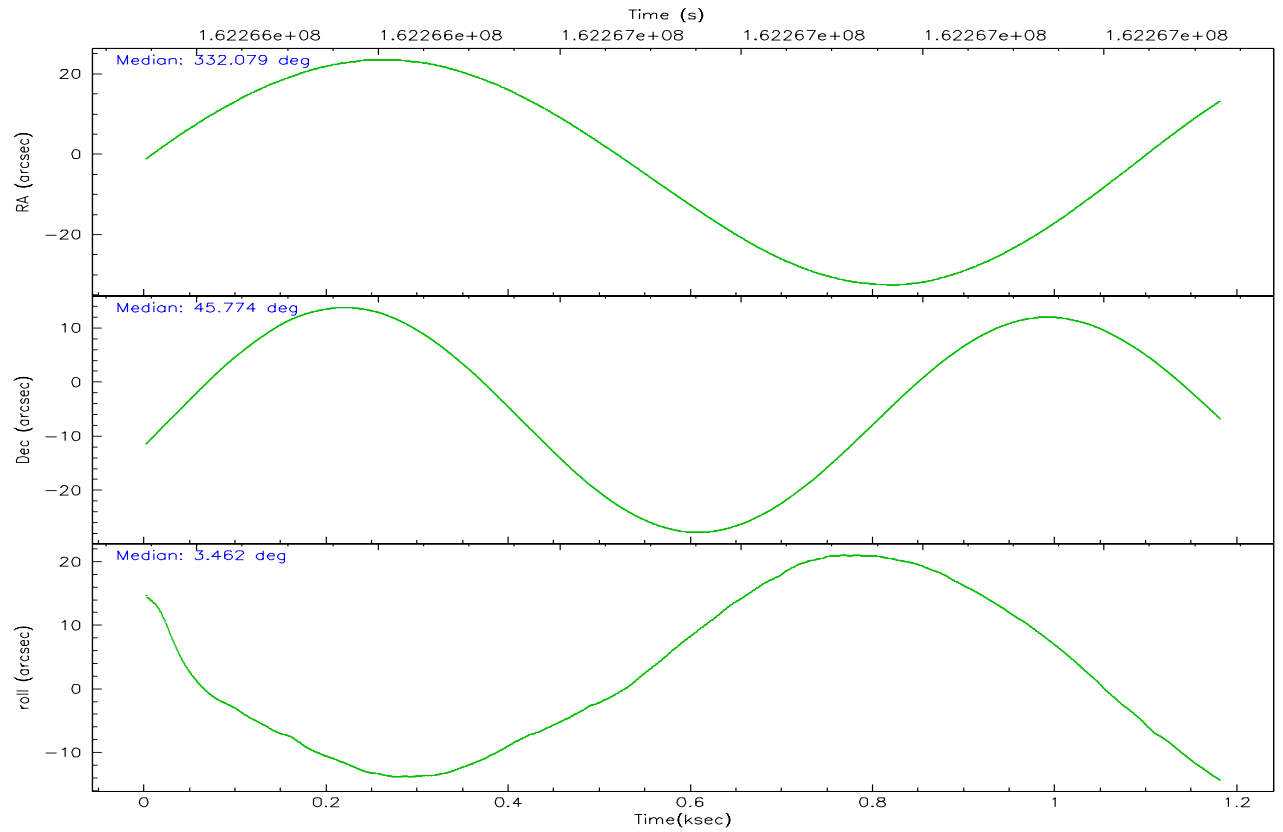
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	1275	64653	1185
rejected events	1275	23635	1185
rejected %	100%	36%	100%

## 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	332.045482	332.0785839306337			
Pointing Dec	45.754878	45.77296875094378			
Pointing Roll	3.425170	3.468839871099855			
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	162266325.184000	162265949.94339			
Observation start date	2003-02-22T01:57:41	2003-02-22T01:52:29			
Observation end time	162267325.184000	162267459.76846			
Observation end date	2003-02-22T02:14:21	2003-02-22T02:17:39			

2.3 Aspect





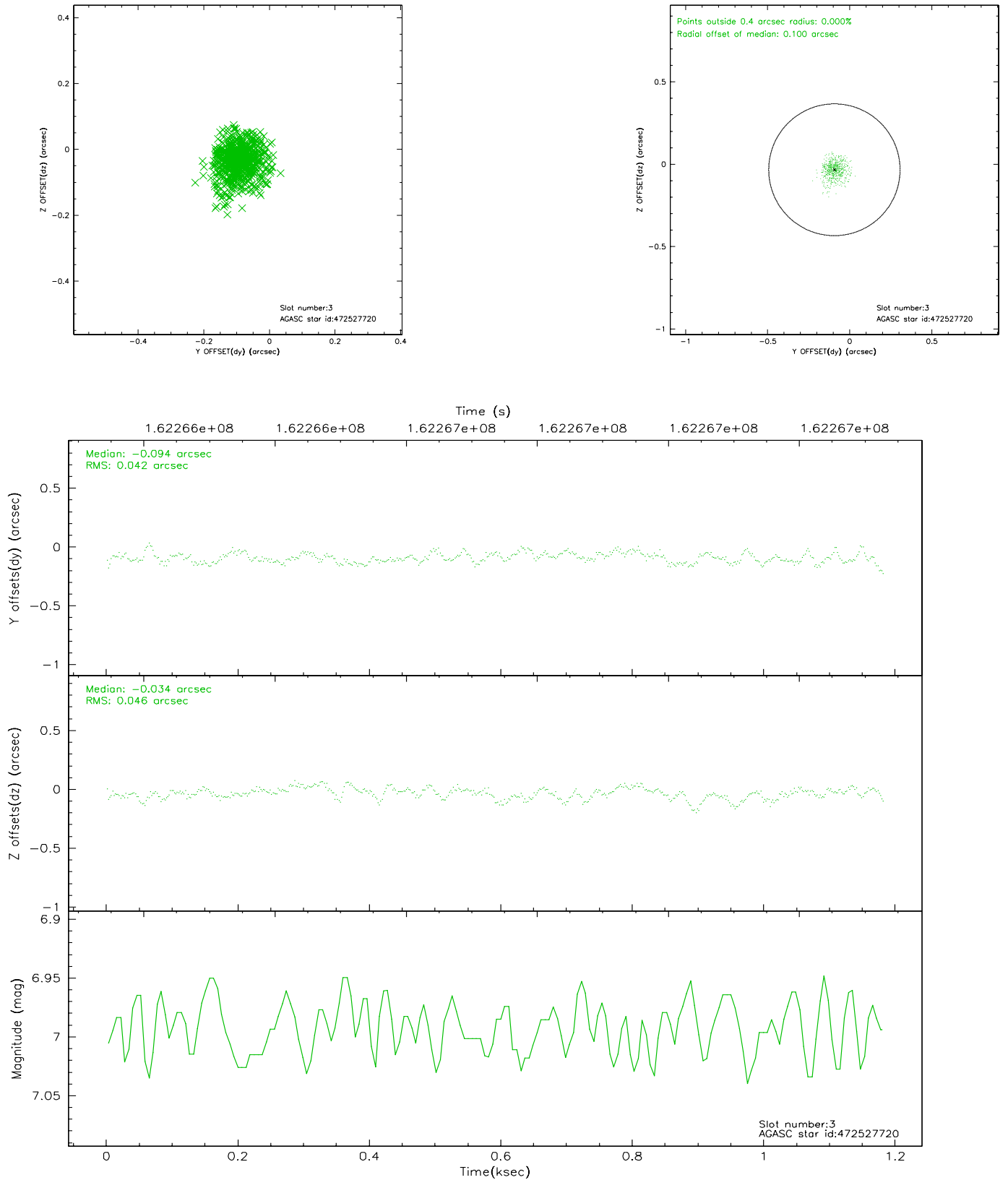
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.02	288	0.160	-0.151	0.007	0.011	0.000000	0.000000	-1158.52	-457.16
1	FID	HRC-S-2	7.01	288	0.062	-0.084	0.004	0.008	0.000000	0.000000	1237.04	-451.33
2	FID	HRC-S-3	7.03	288	0.168	-0.067	0.006	0.010	0.000000	0.000000	-1156.93	570.89
3	GUIDE	472527720	6.99	577	-0.094	-0.034	0.066	0.107	331.460205	45.112509	-1622.50	-2218.26
4	GUIDE	472655704	9.47	577	0.068	0.019	0.116	0.207	332.167195	45.285228	203.74	-1713.56
5	GUIDE	472659832	9.47	576	0.049	0.033	0.100	0.170	332.780399	46.098139	1905.53	1125.82
6	GUIDE	472535400	8.82	577	-0.107	0.035	0.105	0.174	331.047001	46.353888	-2344.26	2314.28
7	GUIDE	472533912	9.18	576	0.074	-0.053	0.114	0.176	331.791136	46.368695	-503.29	2244.61

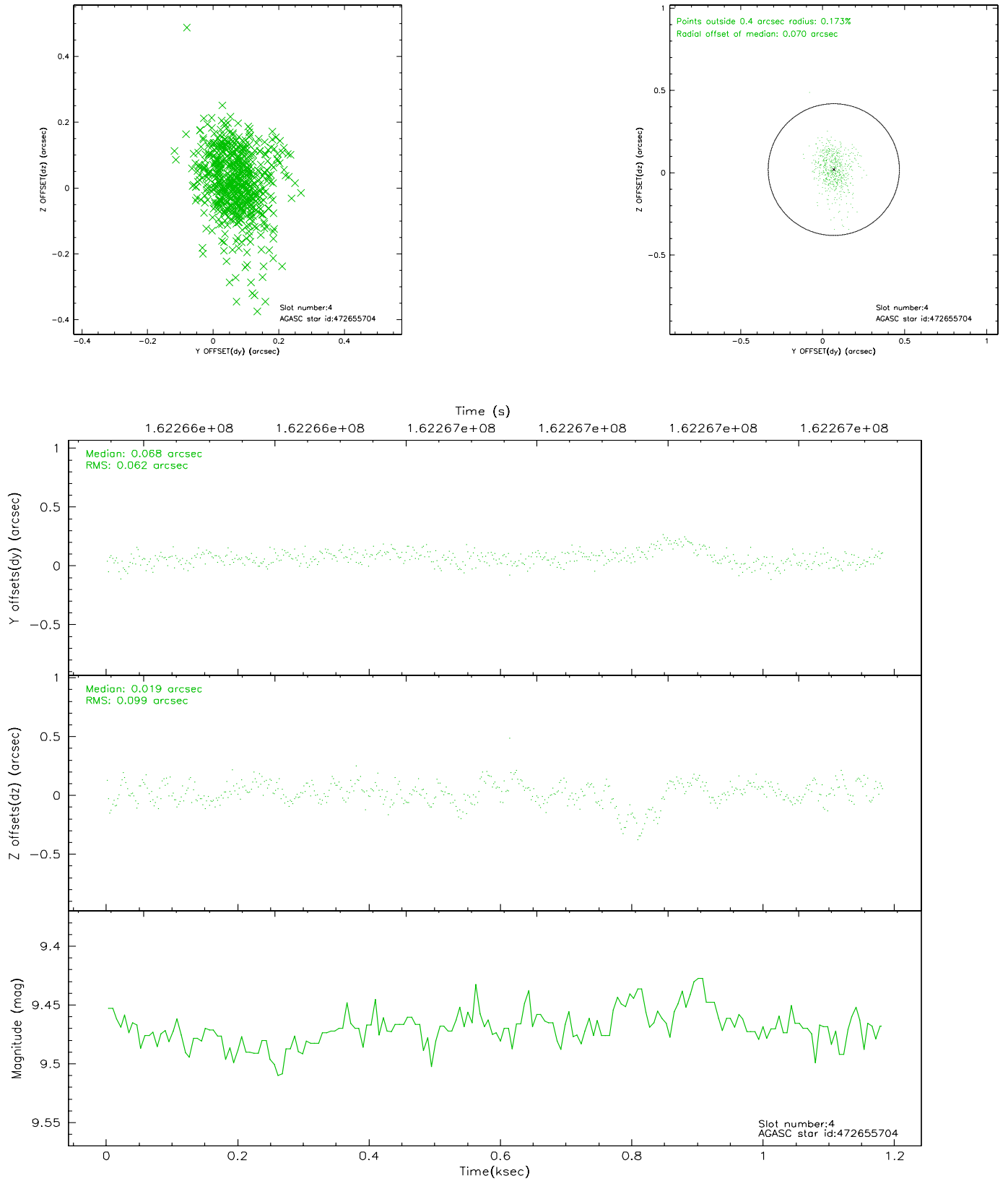


## 2.4 Star Slots

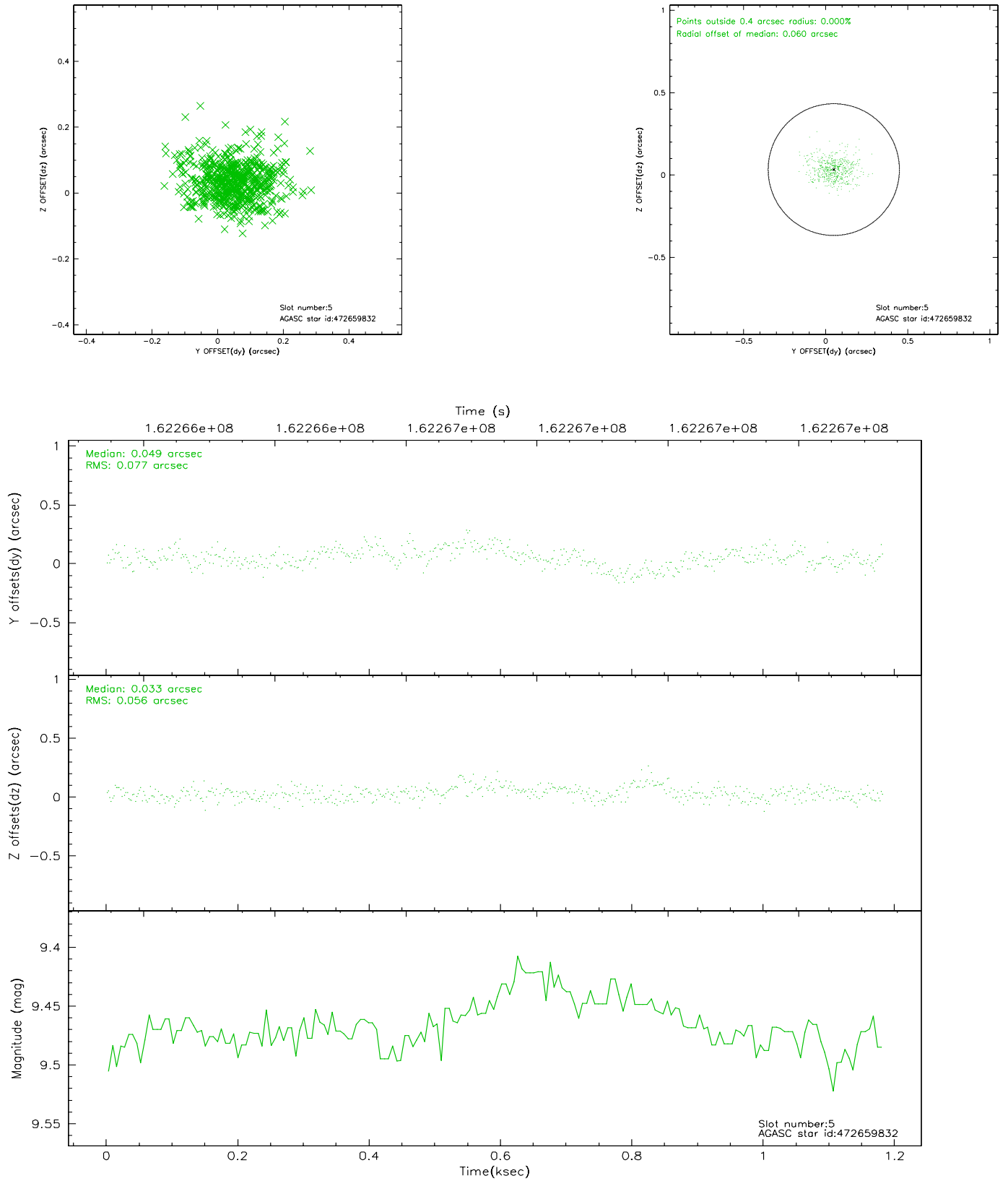
### 2.4.1 Slot 3



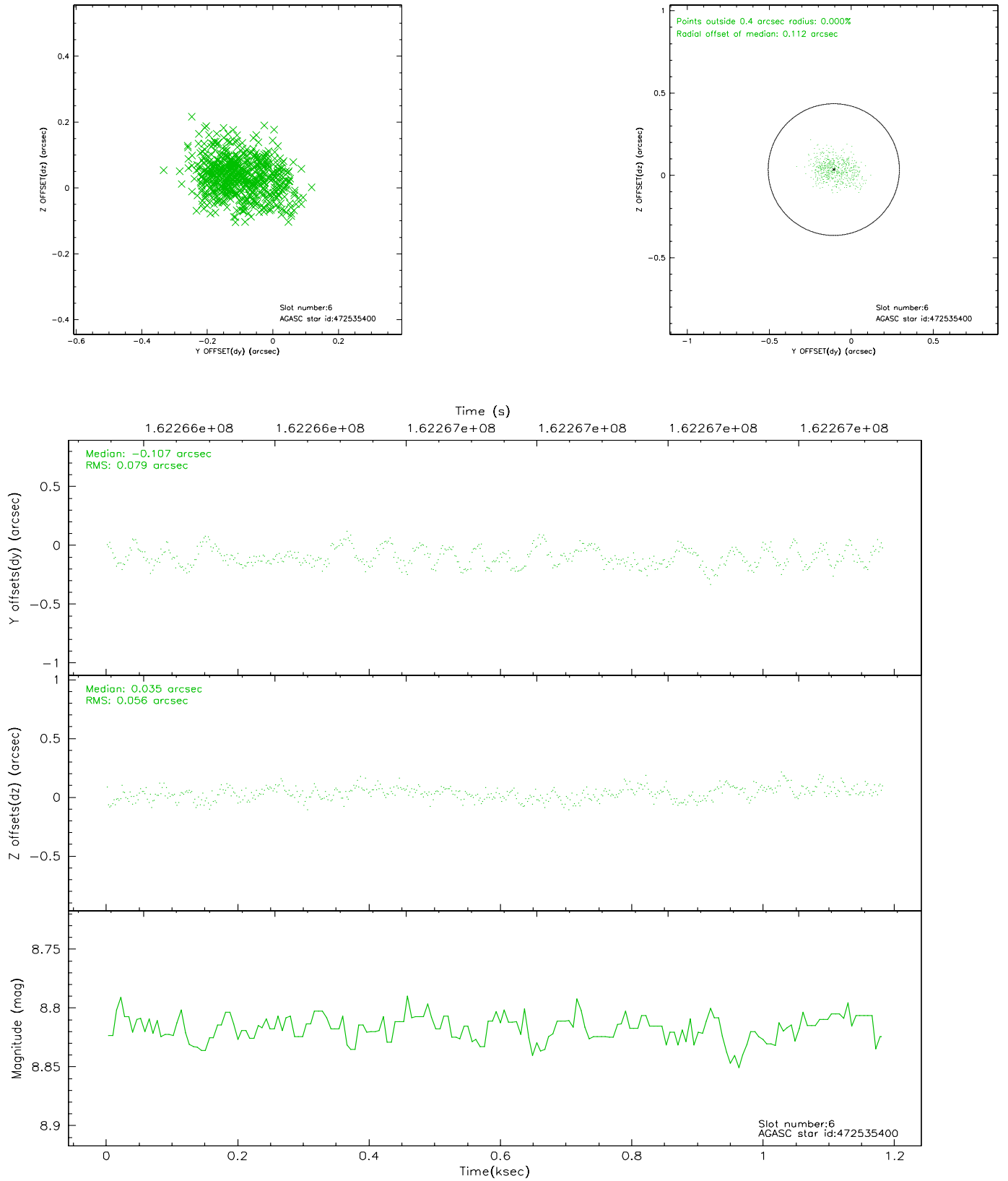
## 2.4.2 Slot 4



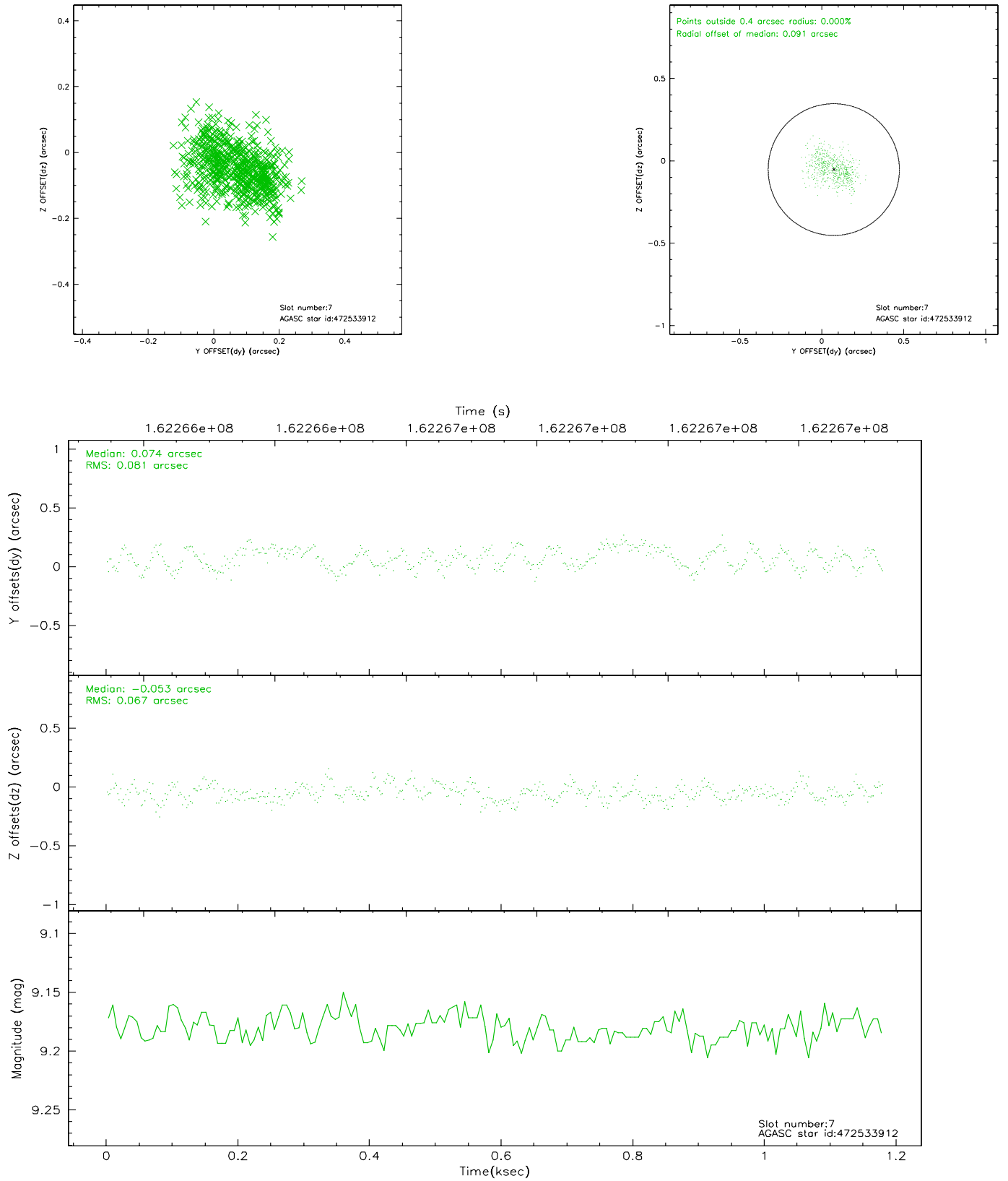
### 2.4.3 Slot 5



## 2.4.4 Slot 6

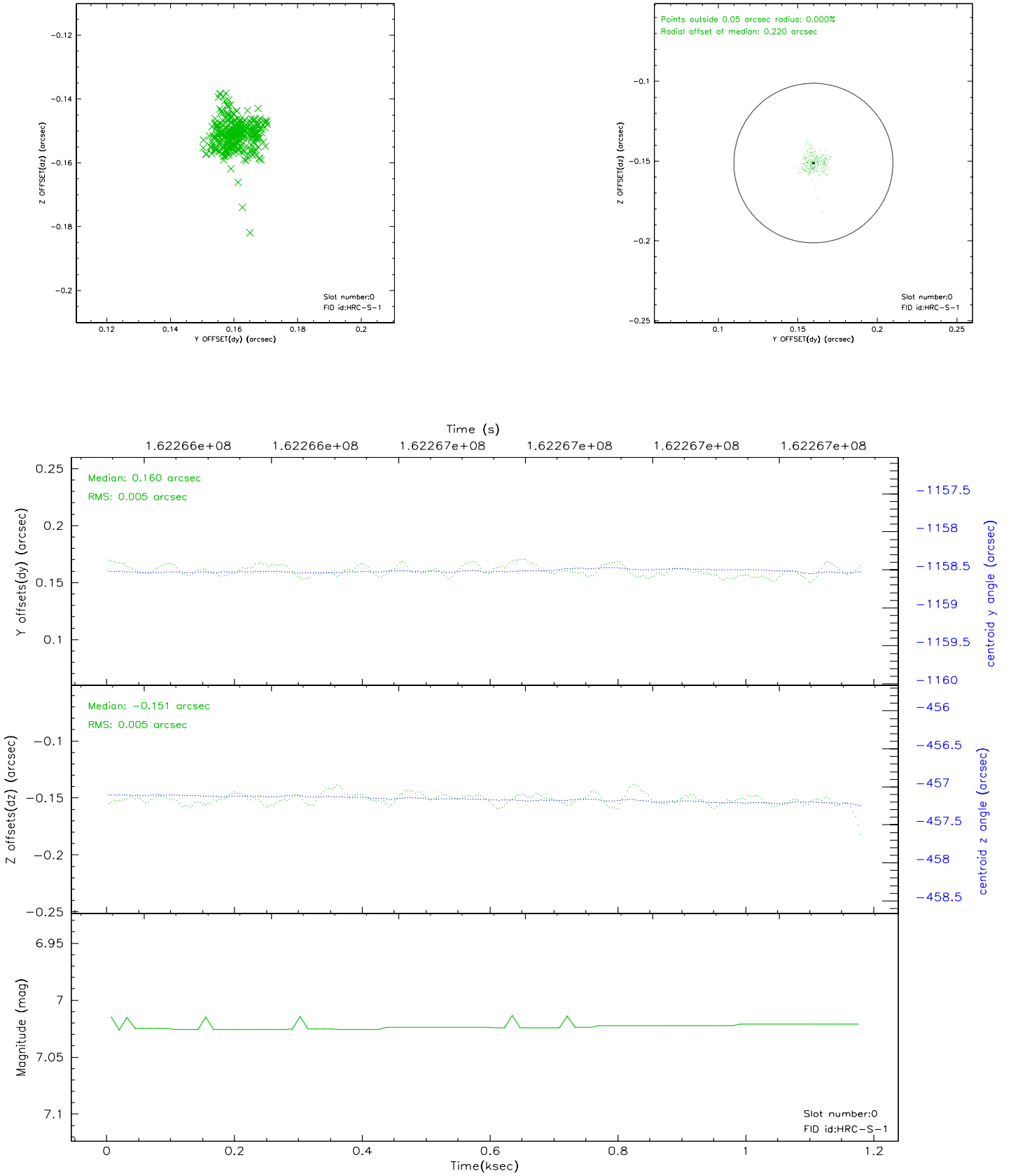


## 2.4.5 Slot 7

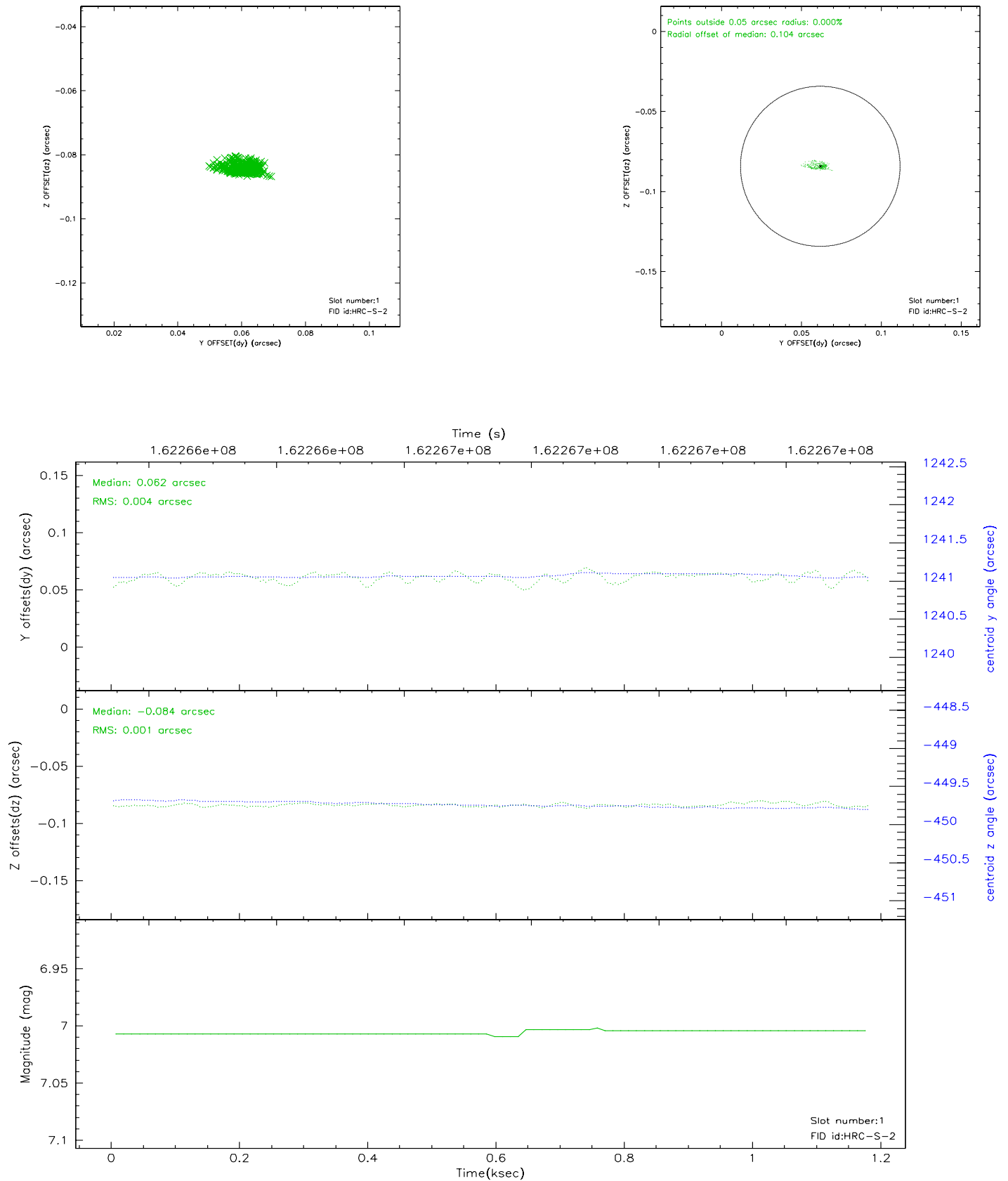


## 2.5 FID Slots

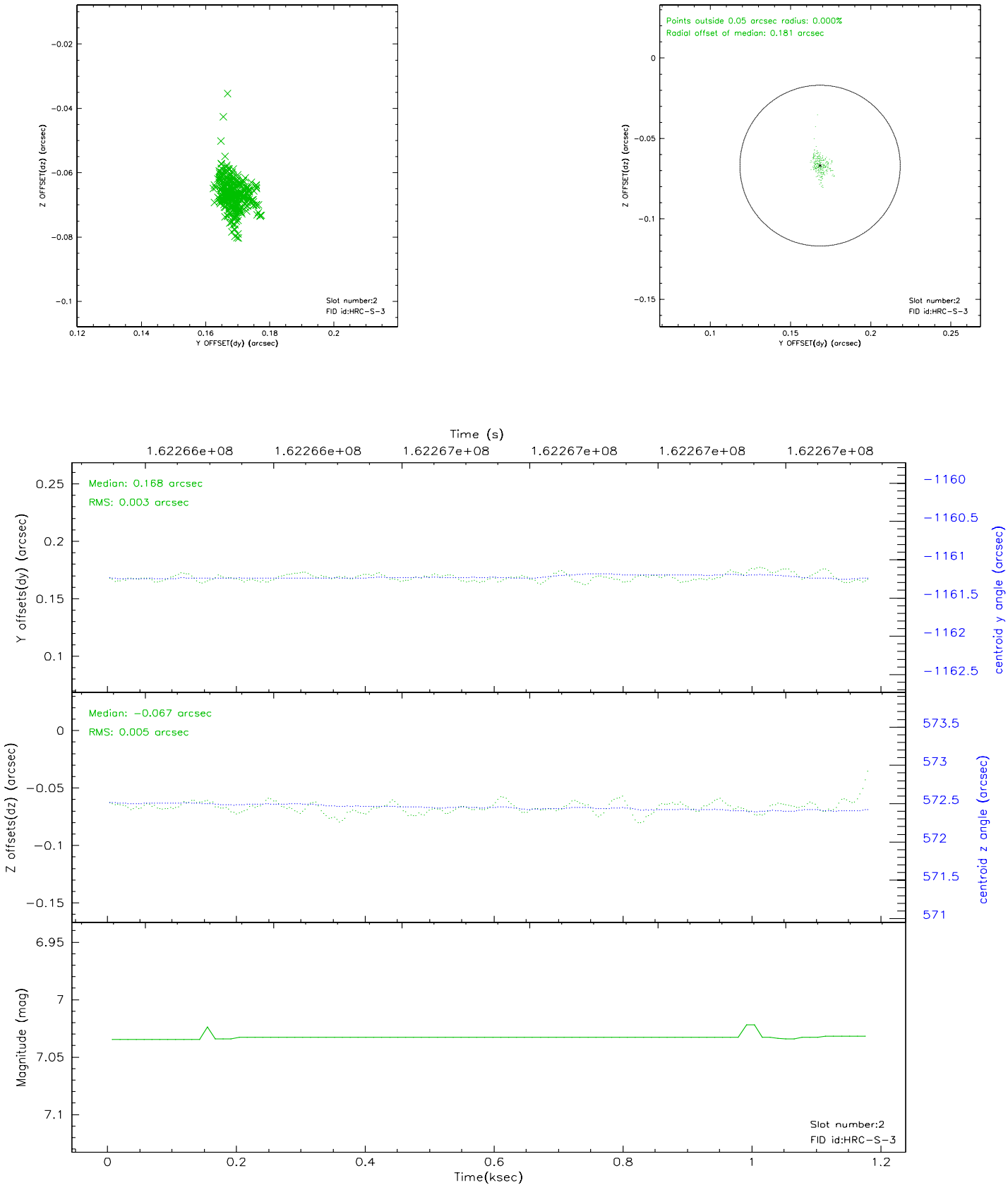
### 2.5.1 Slot 0



## 2.5.2 Slot 1

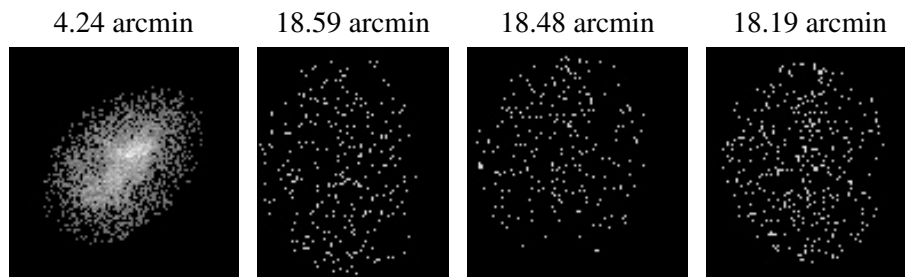


2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.07.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.142

### A.2 Comments

Monitor constraint not met, preceeds obs 4337.