

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.2

Observation 5099 - L2 Version 001  
Chandra X-Ray Center

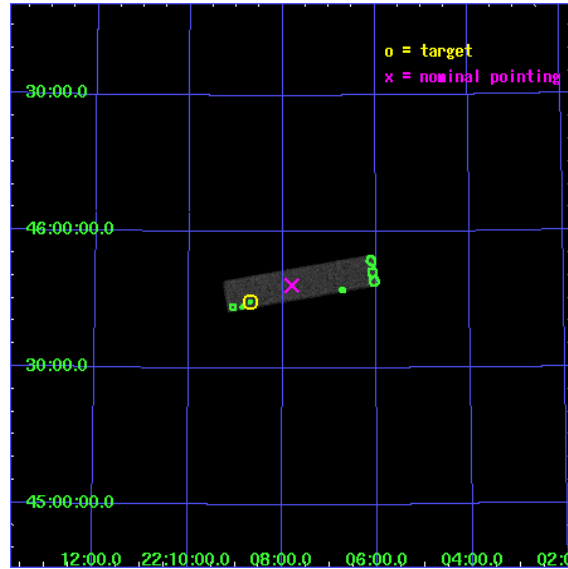
L2 Processing Date : Jun 4 2006

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# 1 Front

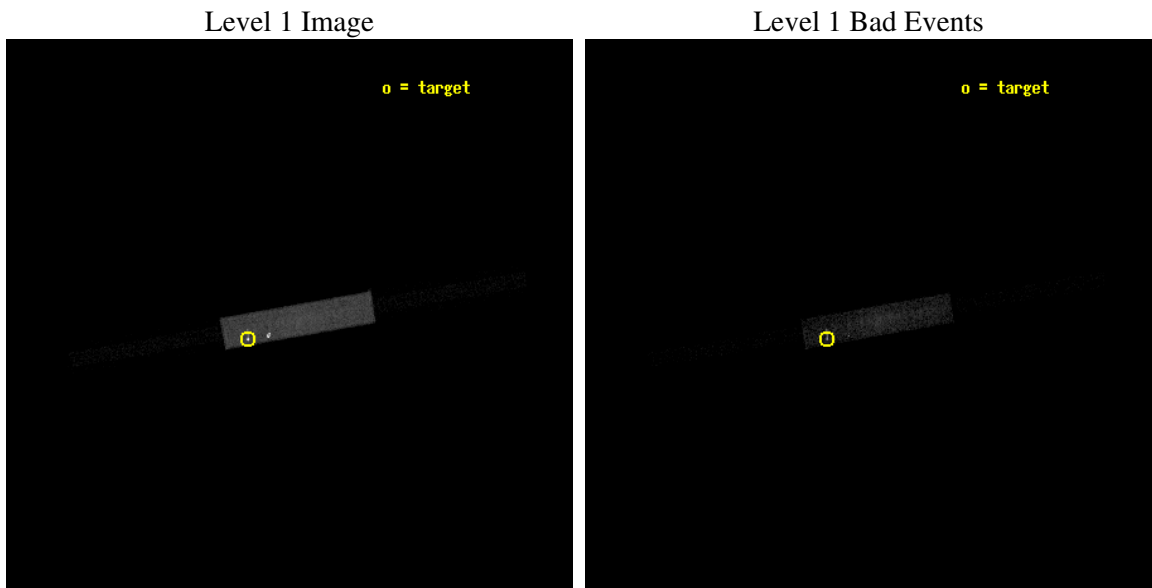
seq_num	290372
obs_id	5099
title	AO5A Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain
observer	Dr. CXC Calibration
object	ArLac
ra_targ	332.17
dec_targ	45.742306
ra_nom	331.94990399598
dec_nom	45.804644815411
roll_nom	349.9765093139
revision	2
ontime	1087.7812975645
livetime	1081.3288040979
l2events	36725



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	0
ascdsver	7.6.7.2
caldbver	3.2.2
date	2006-06-04T19:42:45
revision	2

sched_exp_time	946.000000
ontime	1129.8062993884
l1events	72771

### 2.1.3 Events

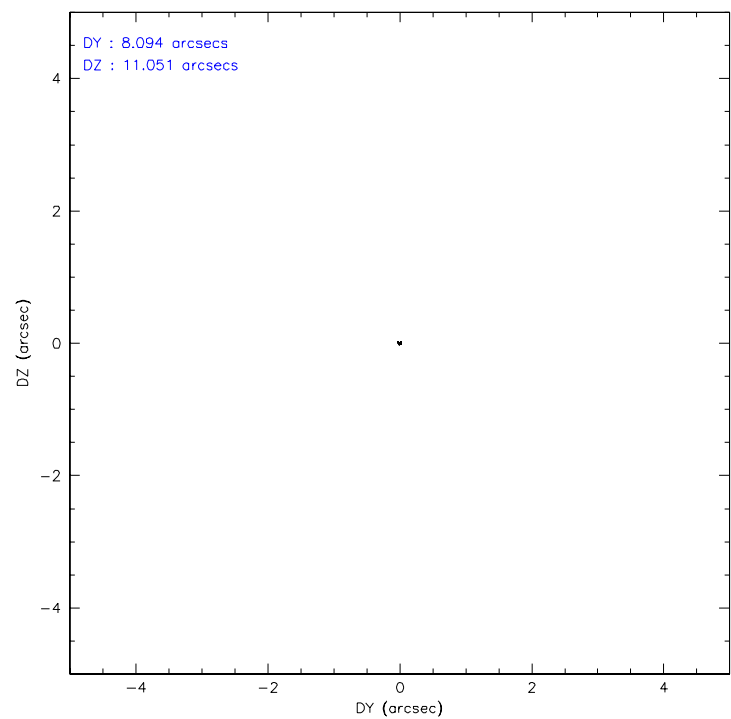
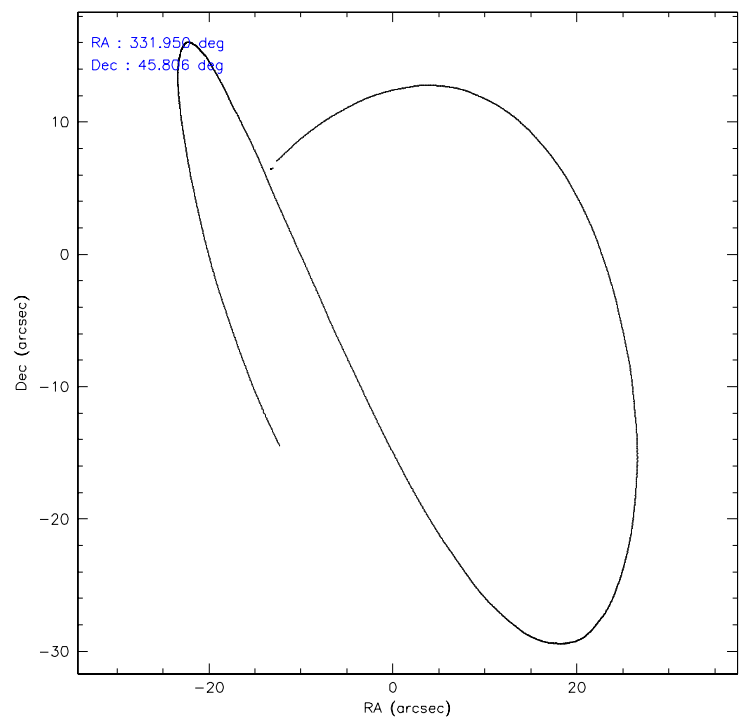
Level 1 Events

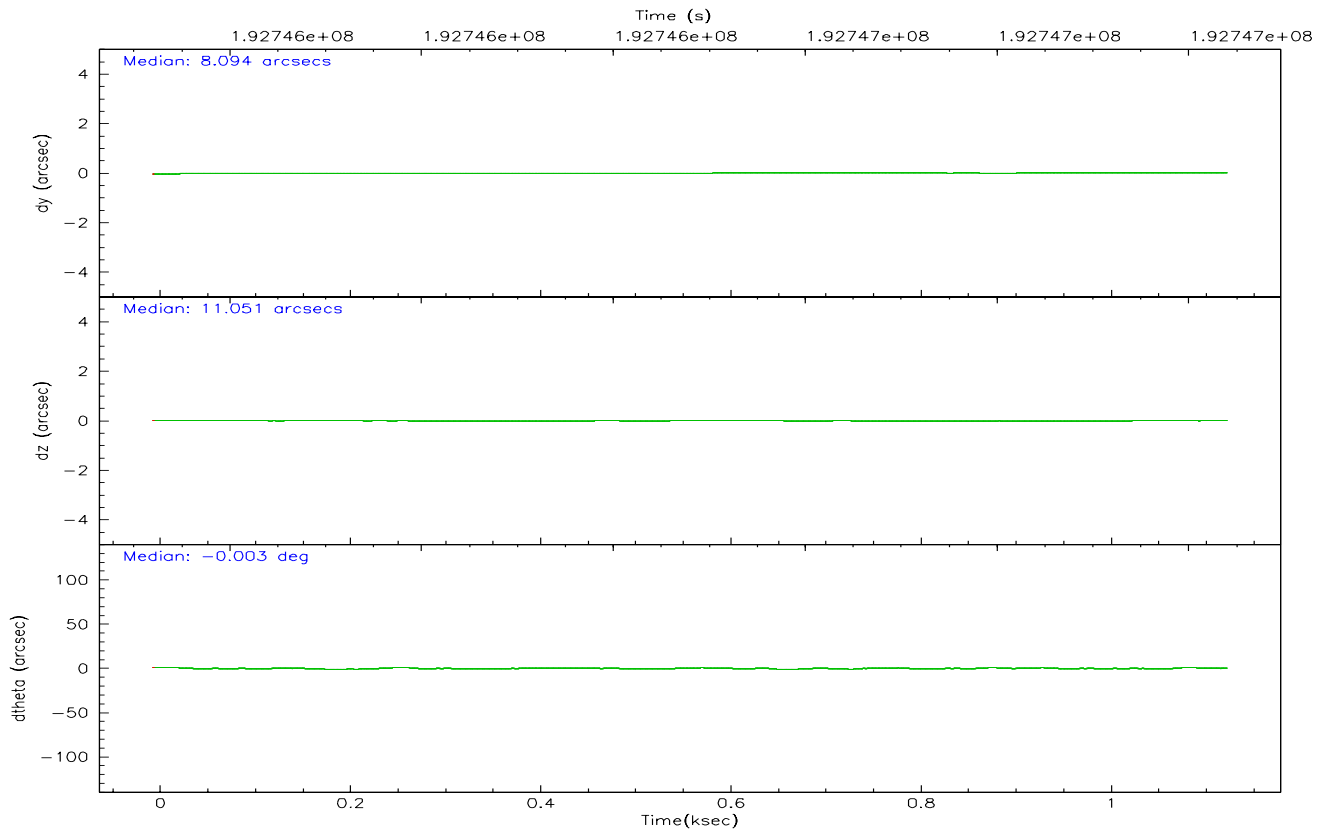
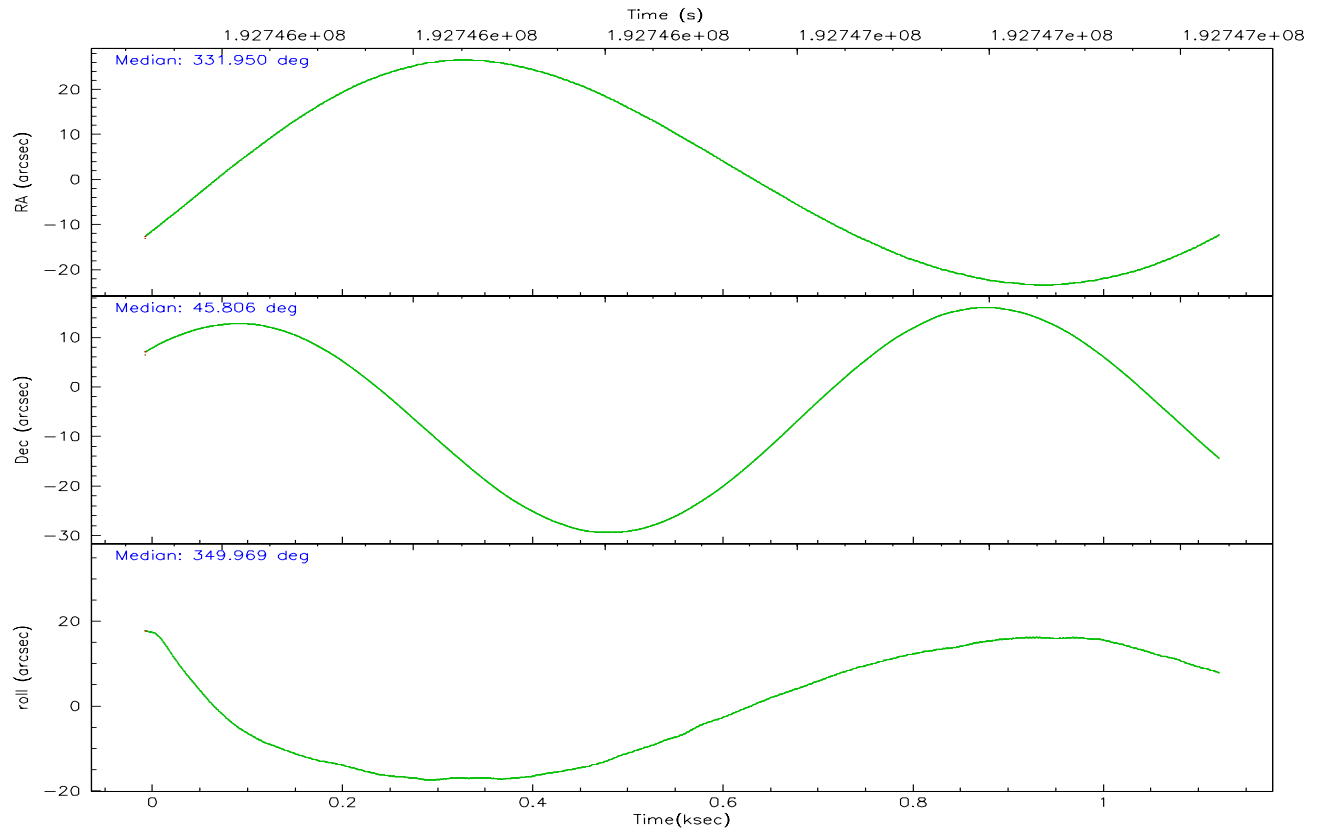
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	1099	70526	1146
rejected events	1099	24155	1146
rejected %	100%	34%	100%

## 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	331.912012	331.9499039959799			
Pointing Dec	45.792494	45.8046448154106			
Pointing Roll	349.936238	349.9765093139042			
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	192746097.184000	192745721.27315			
Observation start date	2004-02-09T20:33:53	2004-02-09T20:28:41			
Observation end time	192747043.184000	192747176.77321			
Observation end date	2004-02-09T20:49:39	2004-02-09T20:52:56			

2.3 Aspect





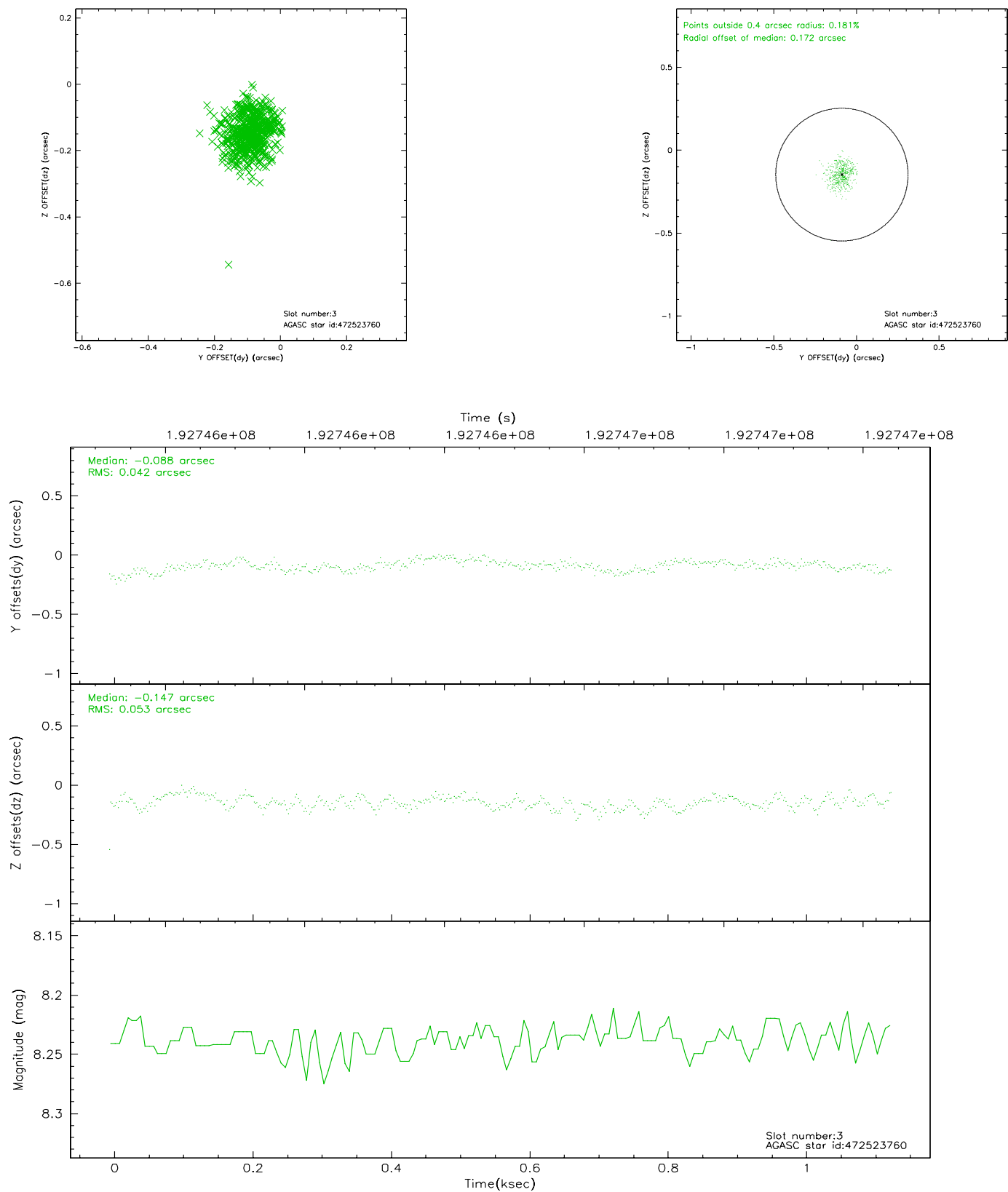
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.03	276	0.151	-0.167	0.006	0.010	0.000000	0.000000	-1162.25	-459.76
1	FID	HRC-S-2	7.02	276	0.129	-0.109	0.004	0.010	0.000000	0.000000	1233.20	-454.04
2	FID	HRC-S-3	7.03	276	0.110	-0.026	0.006	0.011	0.000000	0.000000	-1160.53	568.27
3	GUIDE	472523760	8.24	552	-0.088	-0.147	0.072	0.110	331.645363	45.403260	-418.18	-1500.27
4	GUIDE	472533912	9.17	552	-0.034	0.045	0.096	0.166	331.791136	46.368695	-658.55	1983.72
5	GUIDE	472655152	9.43	552	0.150	0.016	0.100	0.166	332.504239	45.862991	1416.14	514.84
6	GUIDE	472659832	9.46	551	0.012	0.110	0.105	0.178	332.780399	46.098139	1943.16	1471.50
7	GUIDE	472654568	9.44	550	-0.032	-0.007	0.120	0.184	332.194449	45.063576	1170.07	-2457.89

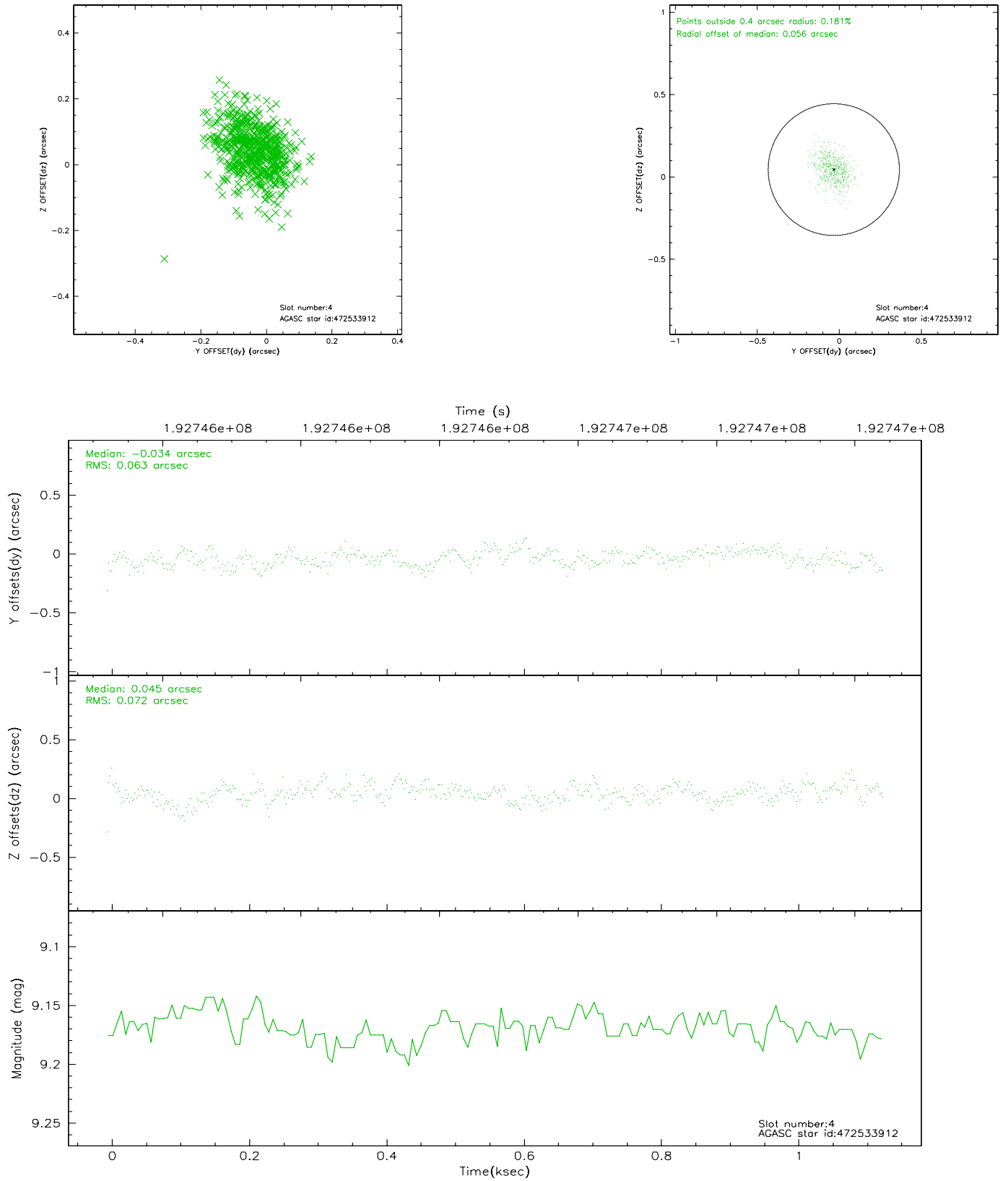


## 2.4 Star Slots

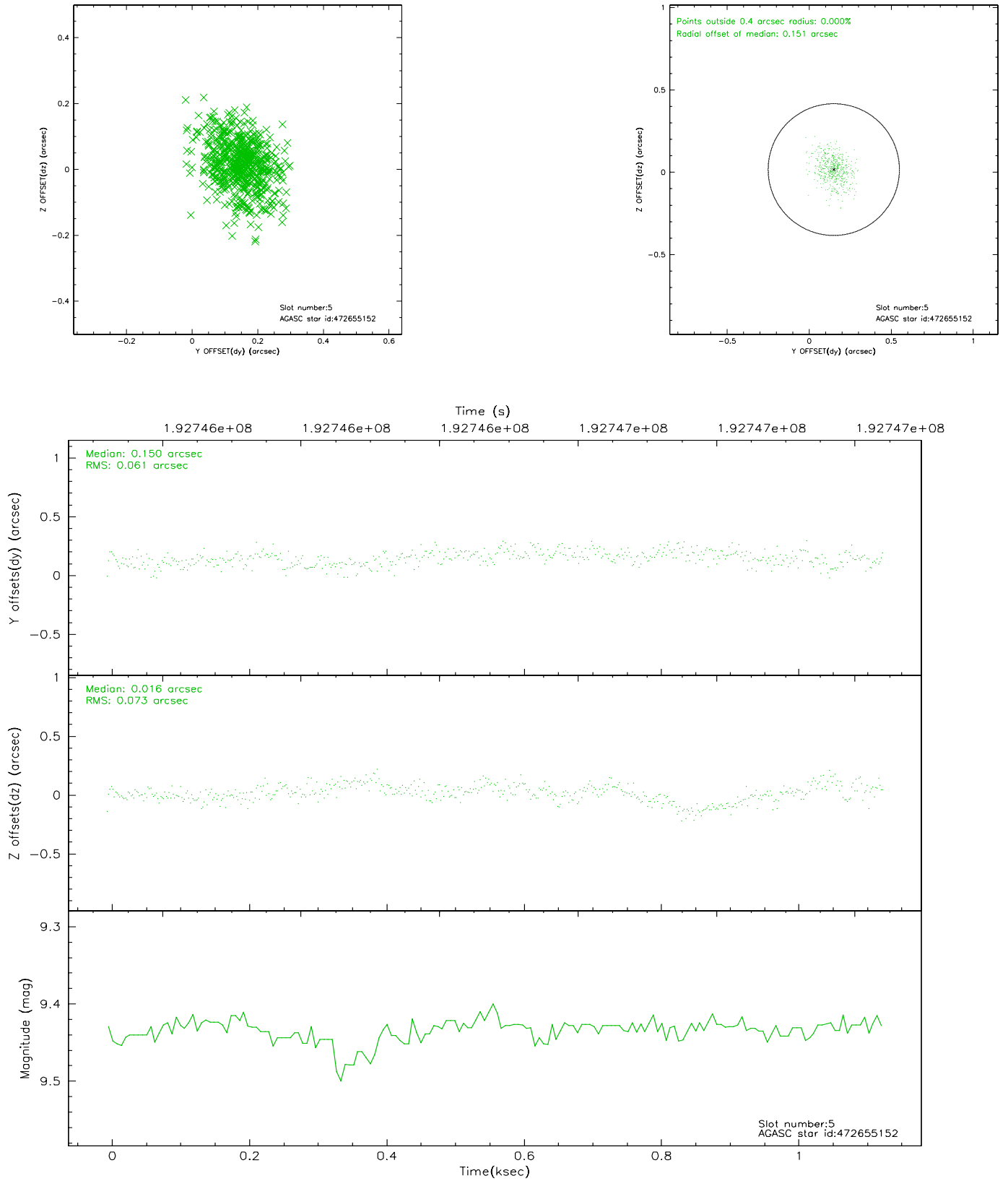
### 2.4.1 Slot 3



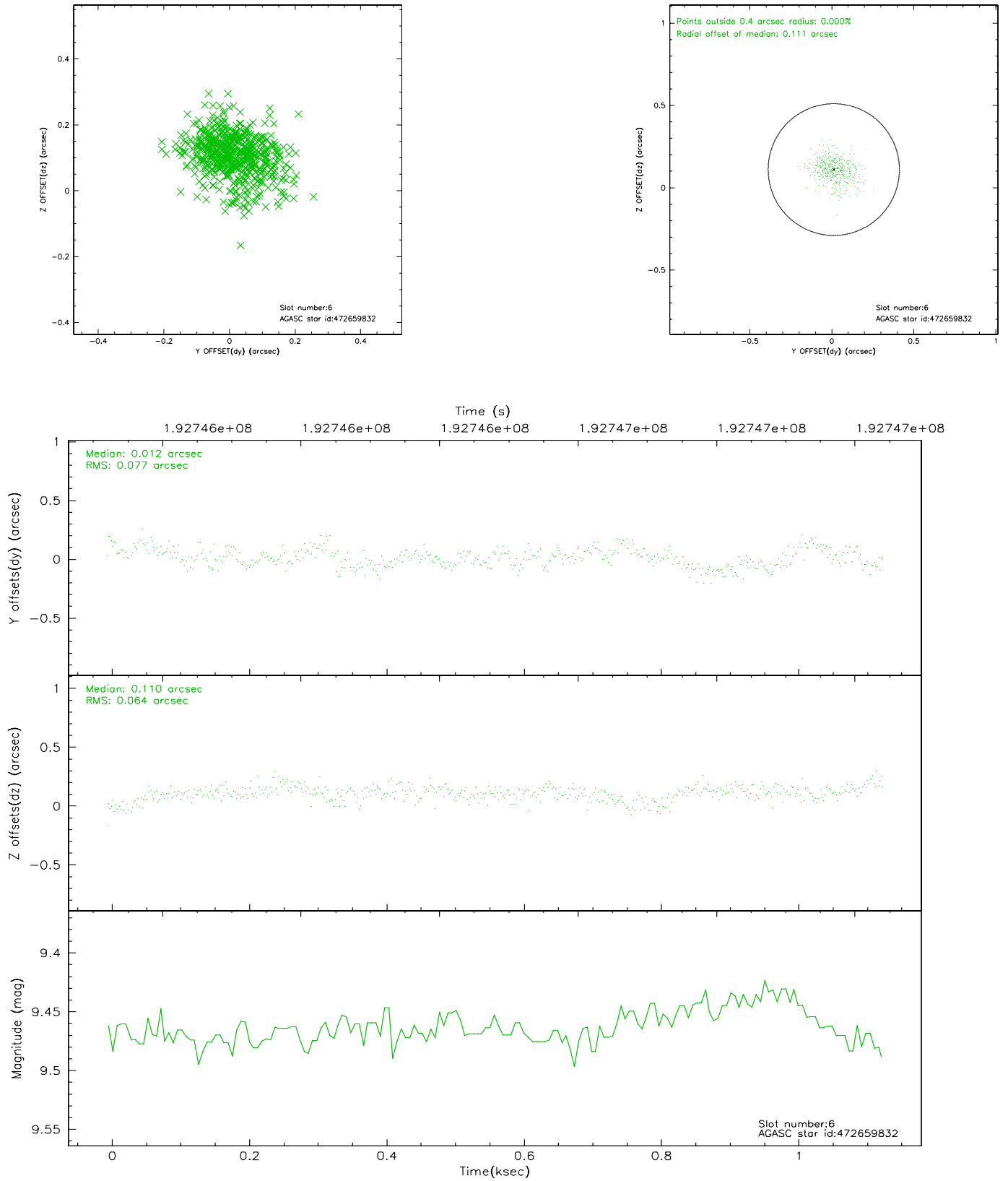
## 2.4.2 Slot 4



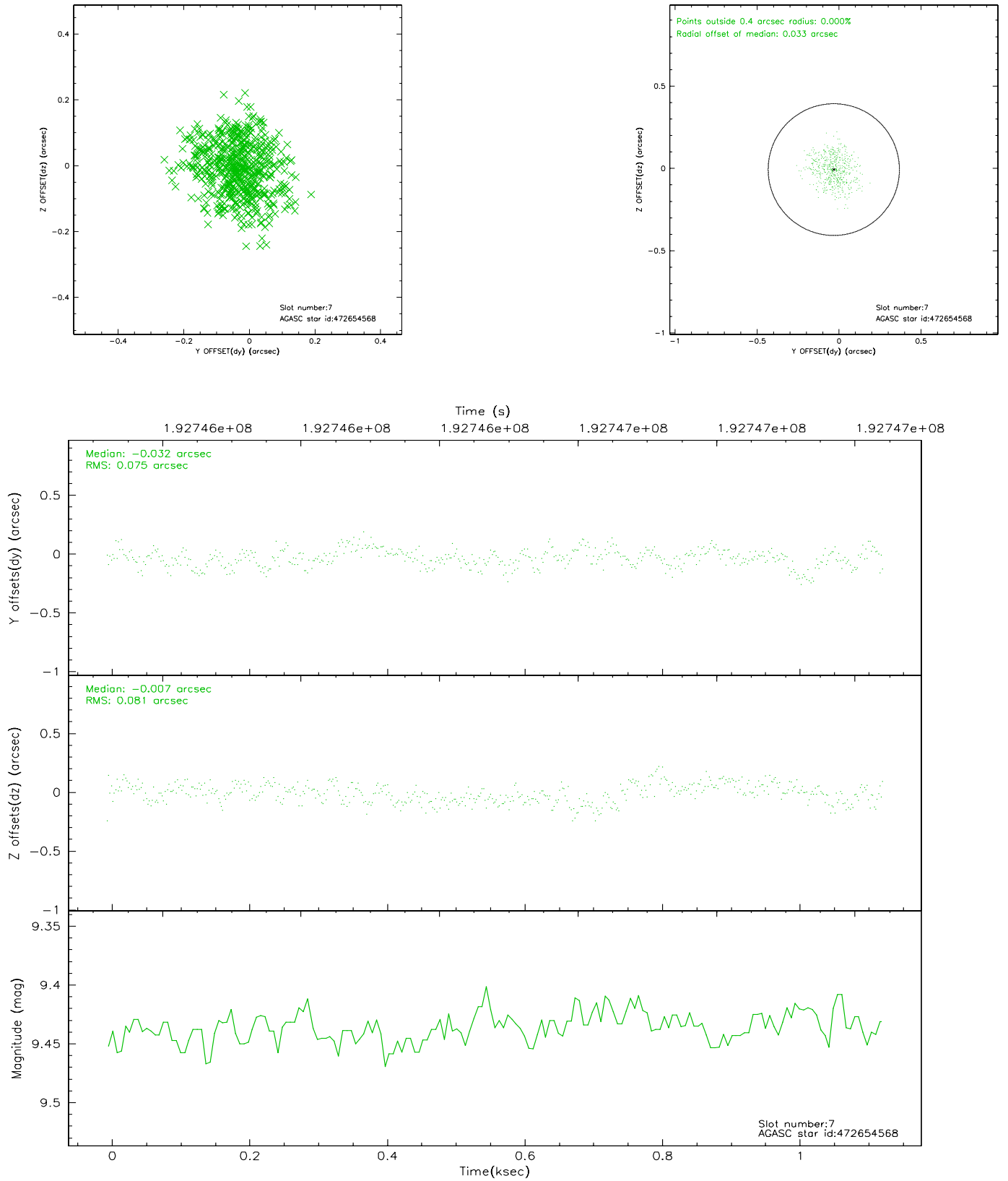
### 2.4.3 Slot 5



## 2.4.4 Slot 6

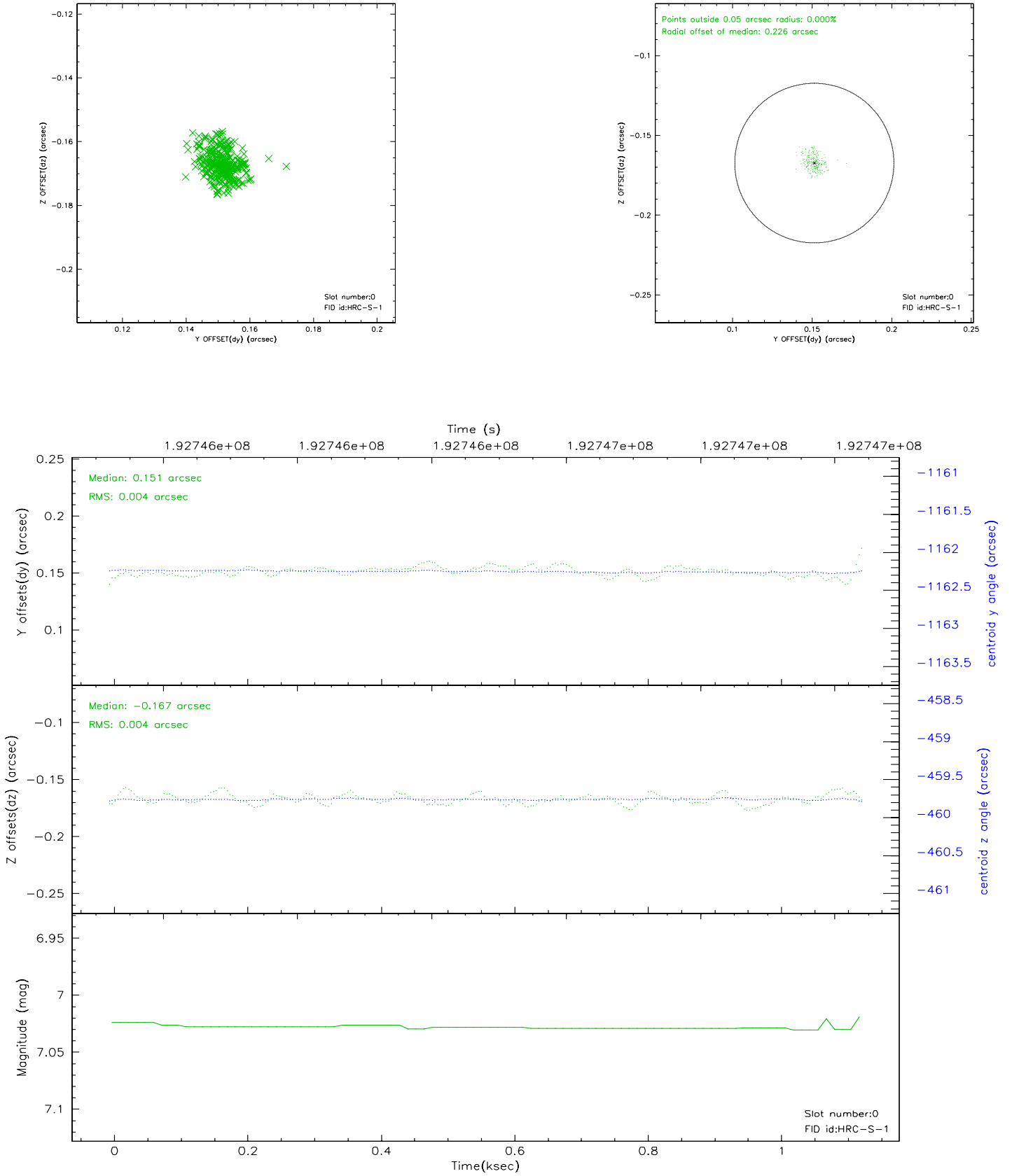


## 2.4.5 Slot 7

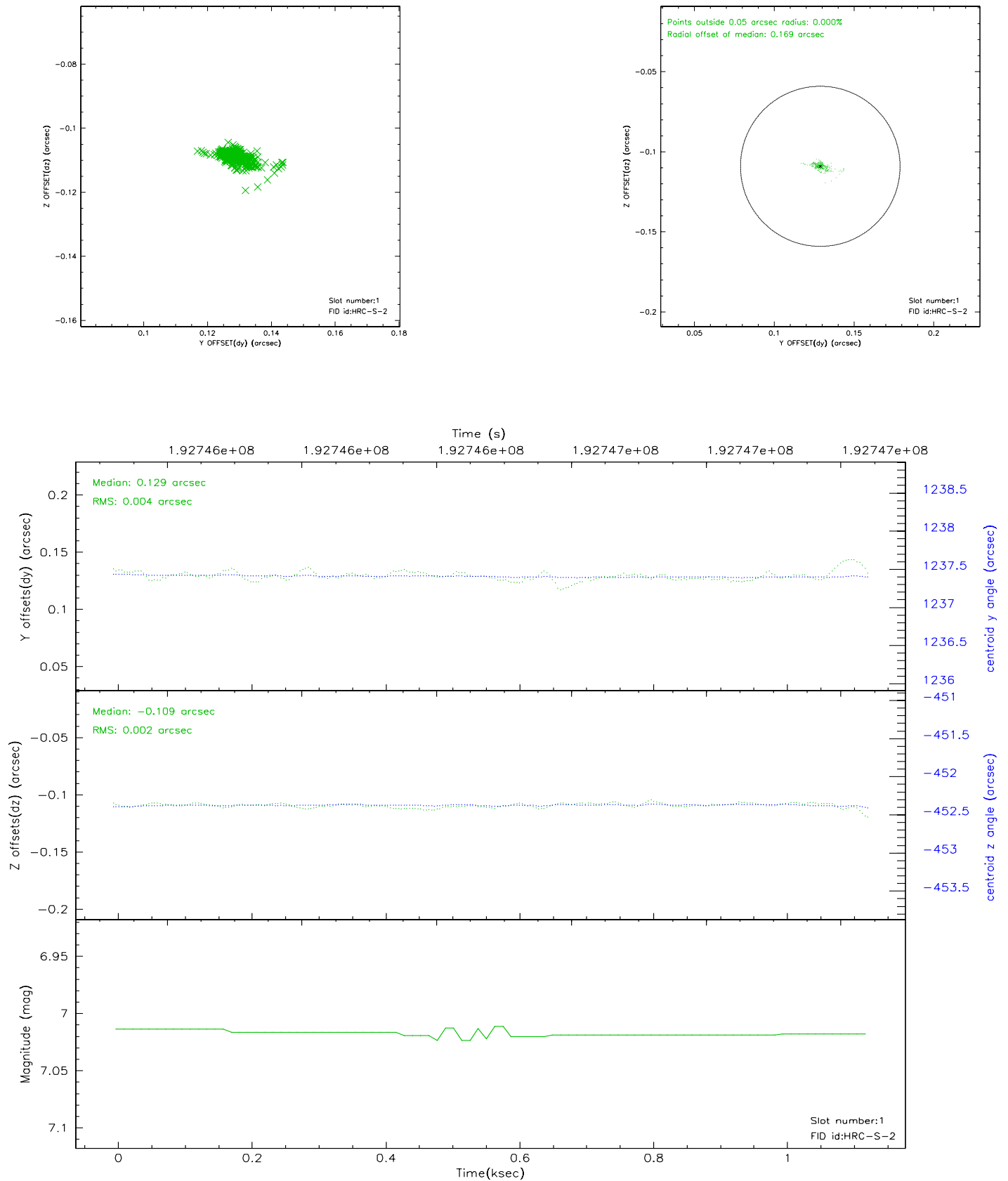


## 2.5 FID Slots

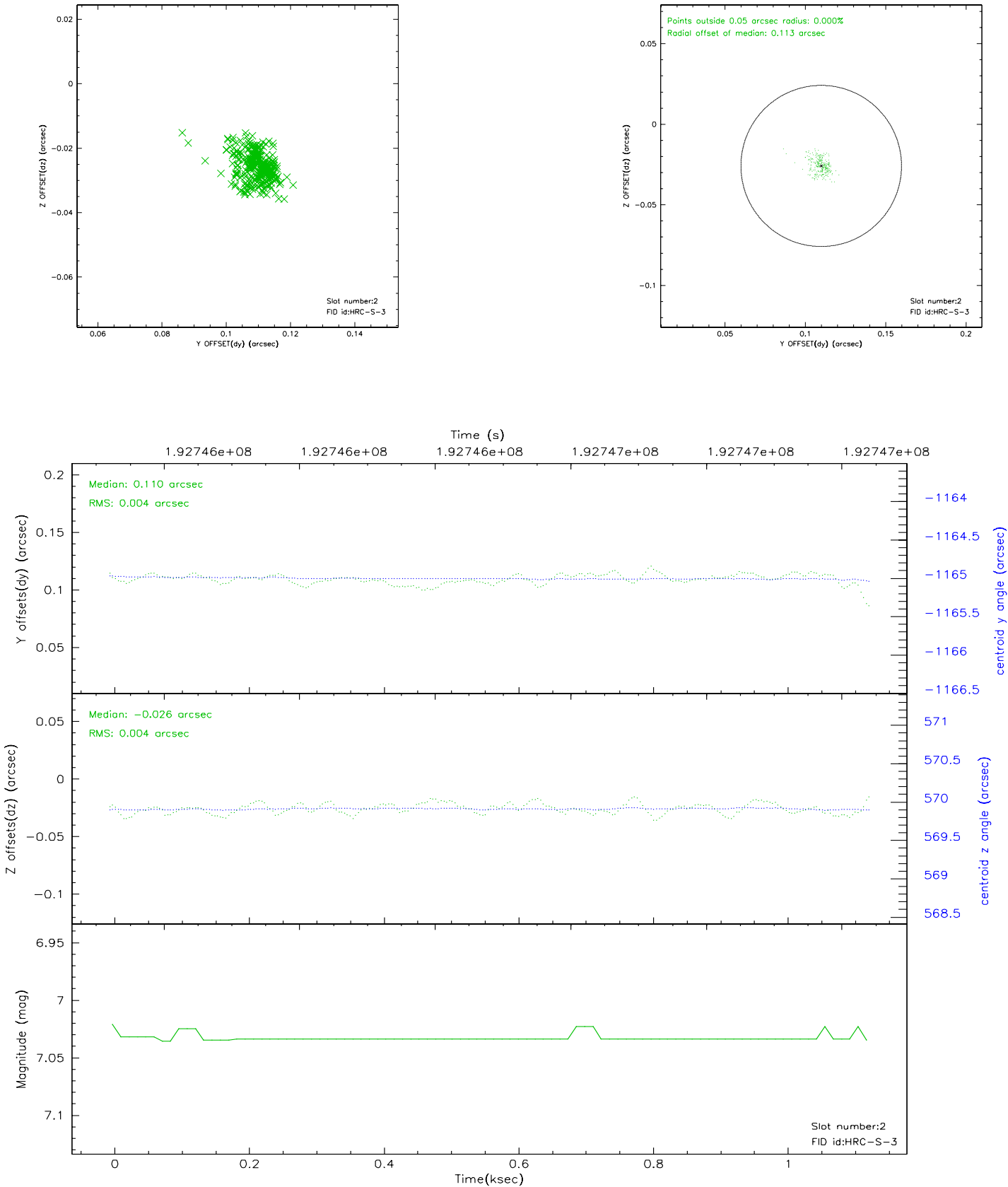
### 2.5.1 Slot 0



## 2.5.2 Slot 1

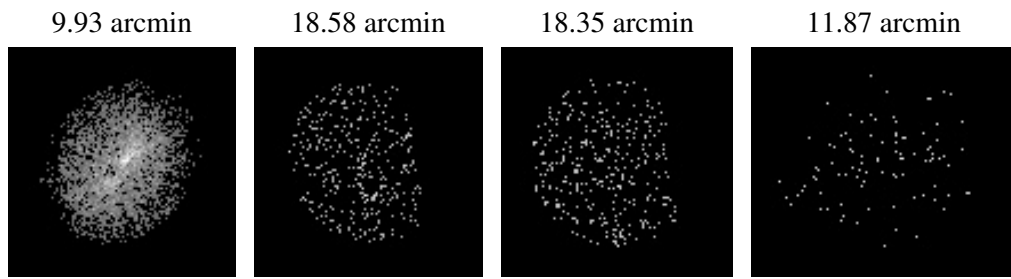


2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Doug Morgan
V&V Date (YYYY-MM-DD)	2006.06.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.087

### A.2 Comments