

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.2

Observation 5100 - L2 Version 001  
Chandra X-Ray Center

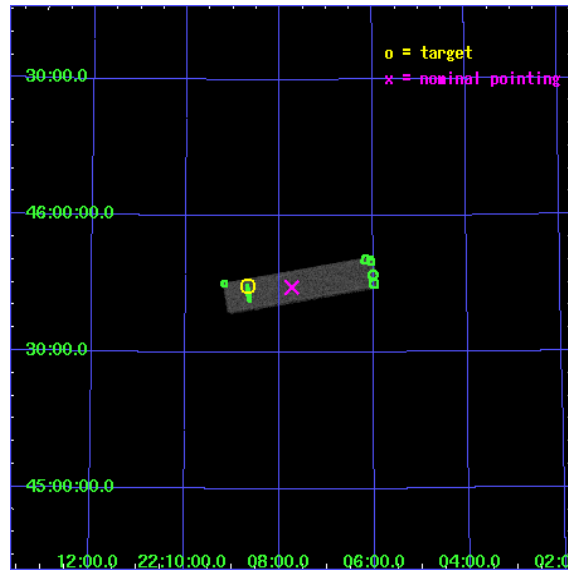
L2 Processing Date : Jun 4 2006

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# 1 Front

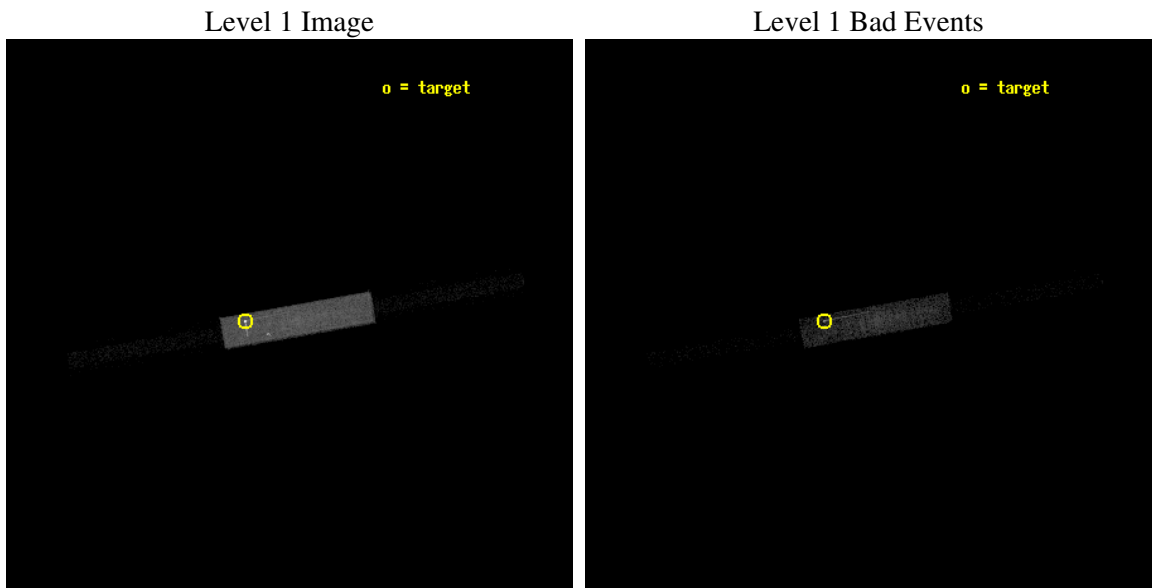
seq_num	290373
obs_id	5100
title	AO5A Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain
observer	Dr. CXC Calibration
object	ArLac
ra_targ	332.17
dec_targ	45.742306
ra_nom	331.933670565
dec_nom	45.739069335957
roll_nom	350.00543979873
revision	2
ontime	1088.8062976003
livetime	1083.1662044421
l2events	36481



## 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	2006-06-04T20:07:09
revision	2

sched_exp_time	946.000000
ontime	1130.5750494301
l1events	65645

### 2.1.3 Events

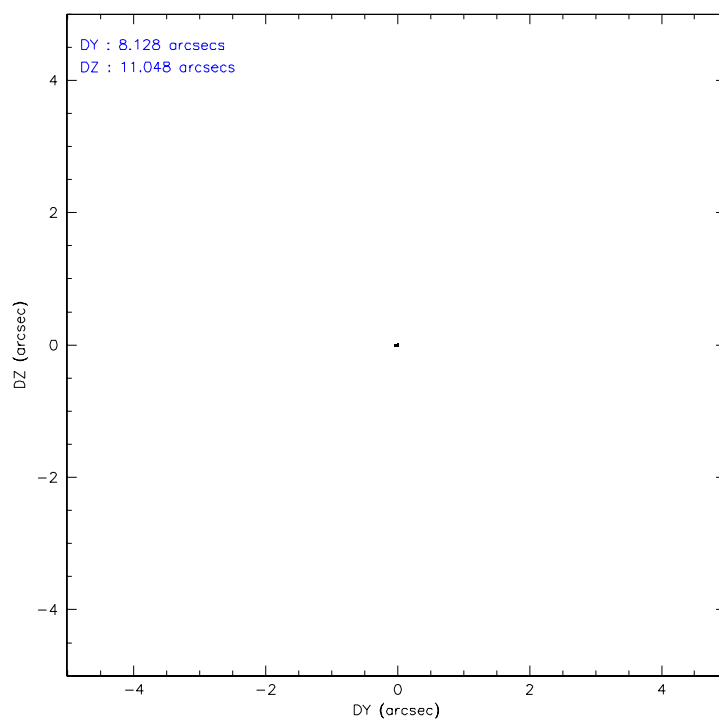
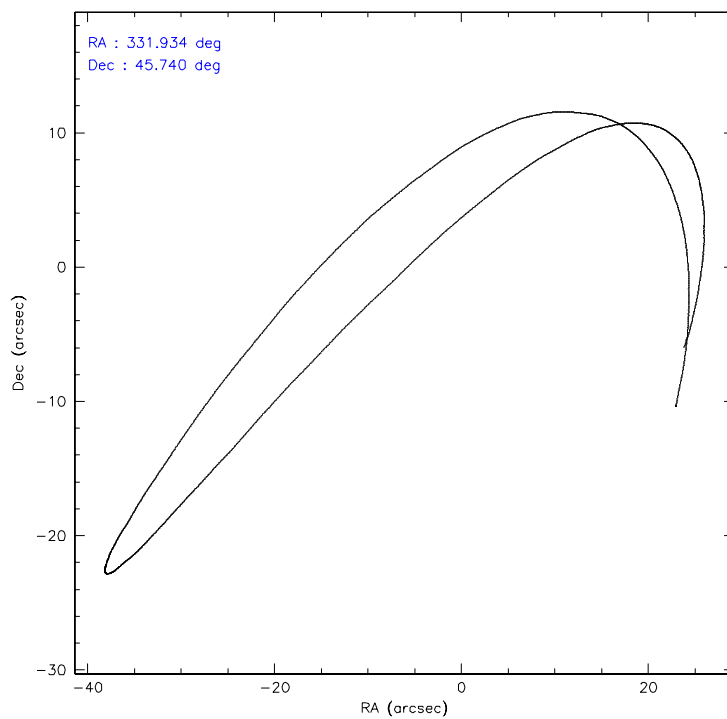
Level 1 Events

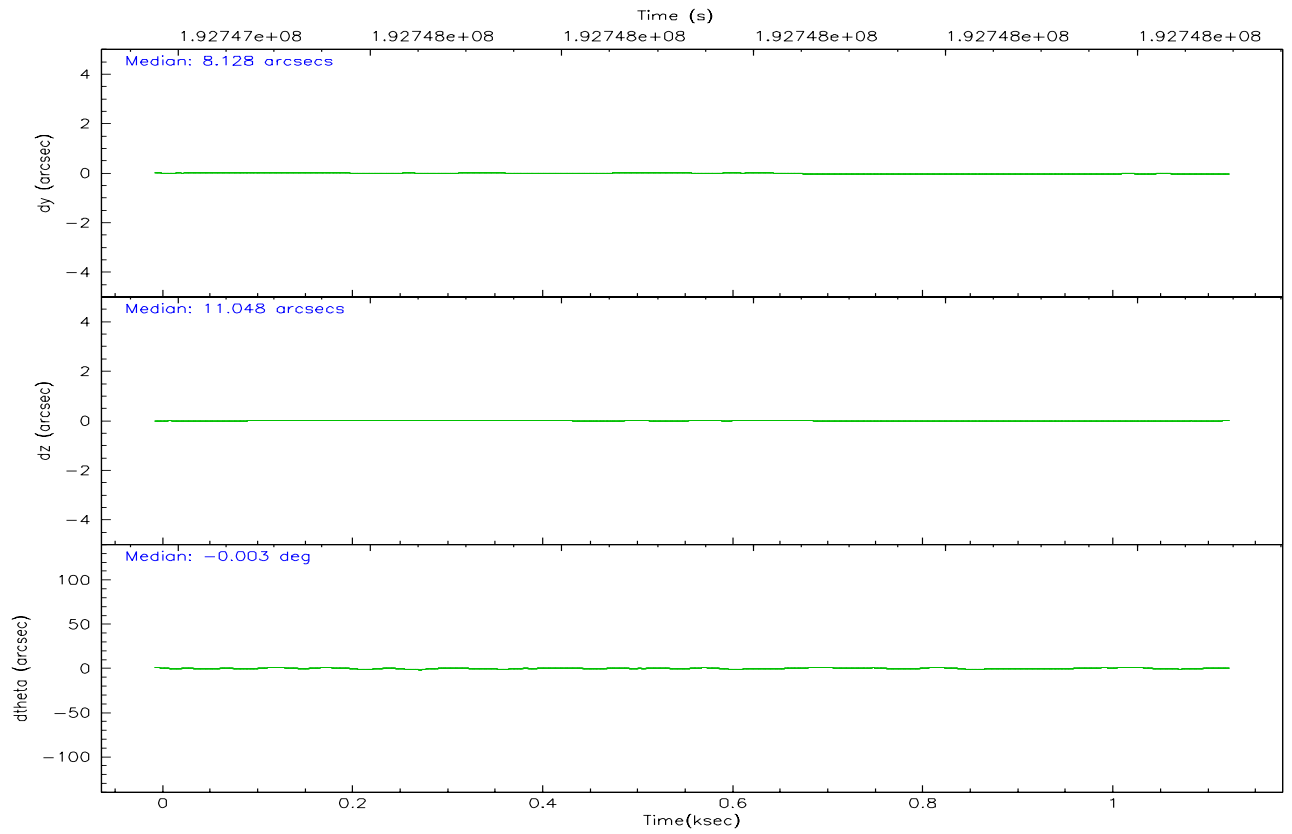
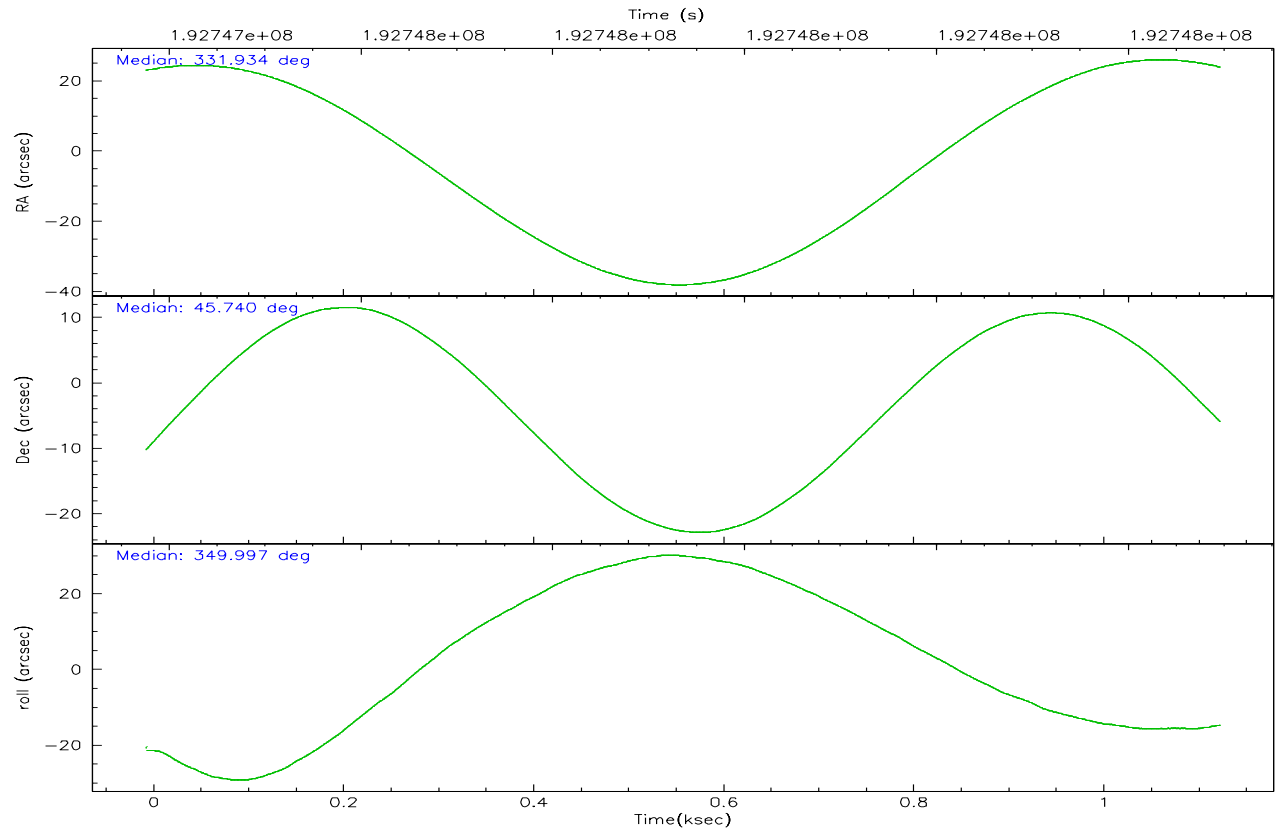
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	1064	63499	1082
rejected events	1064	23829	1082
rejected %	100%	37%	100%

## 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	331.895316	331.9336705650026			
Pointing Dec	45.726791	45.73906933595732			
Pointing Roll	349.965624	350.005439798735			
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	192747553.184000	192747176.77321			
Observation start date	2004-02-09T20:58:09	2004-02-09T20:52:56			
Observation end time	192748499.184000	192748633.29827			
Observation end date	2004-02-09T21:13:55	2004-02-09T21:17:13			

## 2.3 Aspect





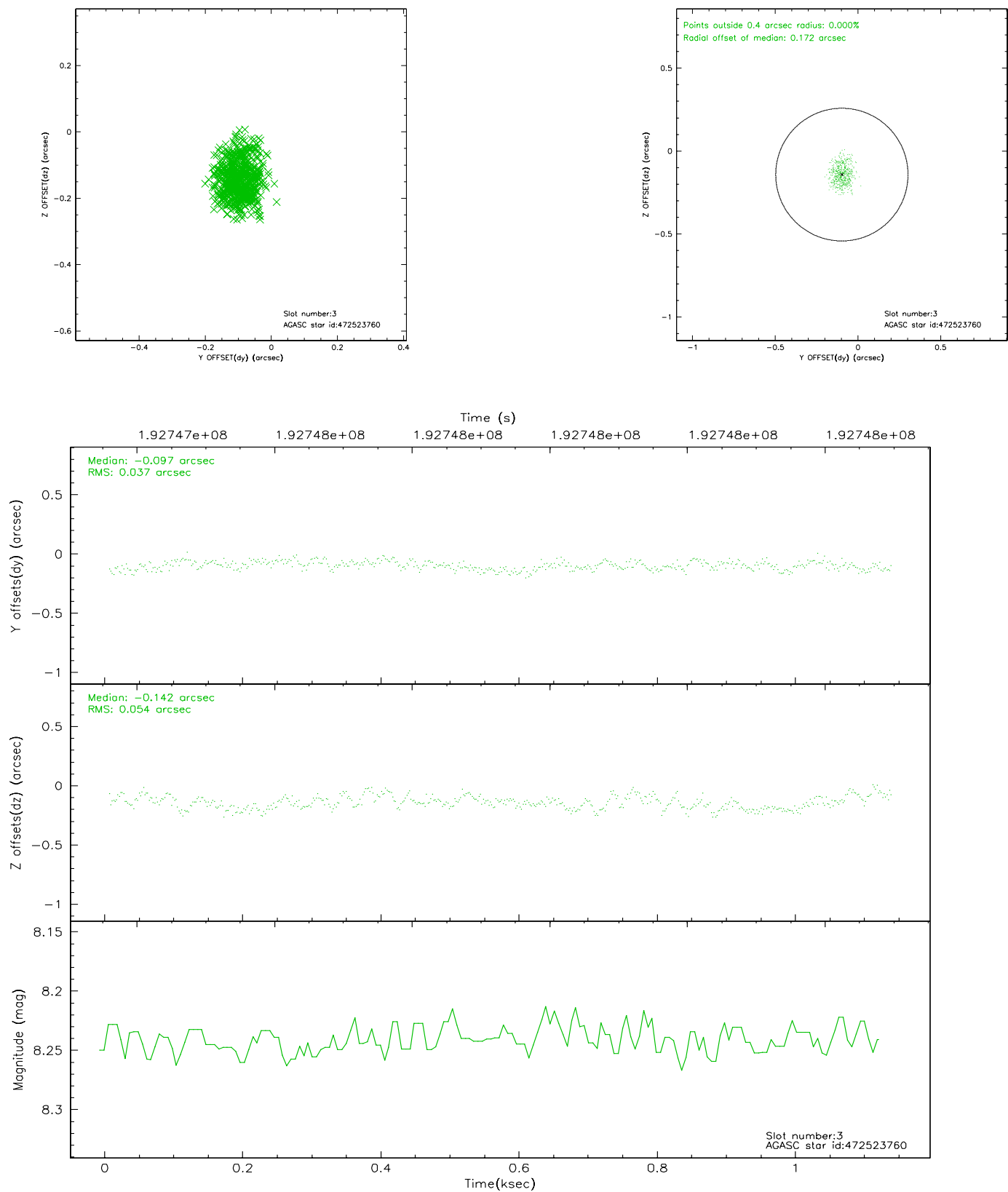
### Slot Statistics

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	276	0.151	-0.166	0.006	0.011	0.000000	0.000000	-1162.28	-459.75
1	FID	HRC-S-2	7.01	276	0.130	-0.110	0.004	0.011	0.000000	0.000000	1233.17	-454.04
2	FID	HRC-S-3	7.03	276	0.109	-0.027	0.007	0.013	0.000000	0.000000	-1160.56	568.27
3	GUIDE	472523760	8.24	553	-0.097	-0.142	0.071	0.112	331.645363	45.403260	-419.91	-1260.51
4	GUIDE	472527720	6.99	553	-0.067	-0.062	0.065	0.102	331.460205	45.112509	-704.87	-2373.98
5	GUIDE	472533912	9.17	553	0.001	-0.000	0.103	0.164	331.791136	46.368695	-659.71	2221.94
6	GUIDE	472655152	9.43	553	0.115	0.065	0.097	0.162	332.504239	45.862991	1415.01	754.51
7	GUIDE	472659832	9.47	552	0.054	0.132	0.104	0.166	332.780399	46.098139	1942.43	1710.98

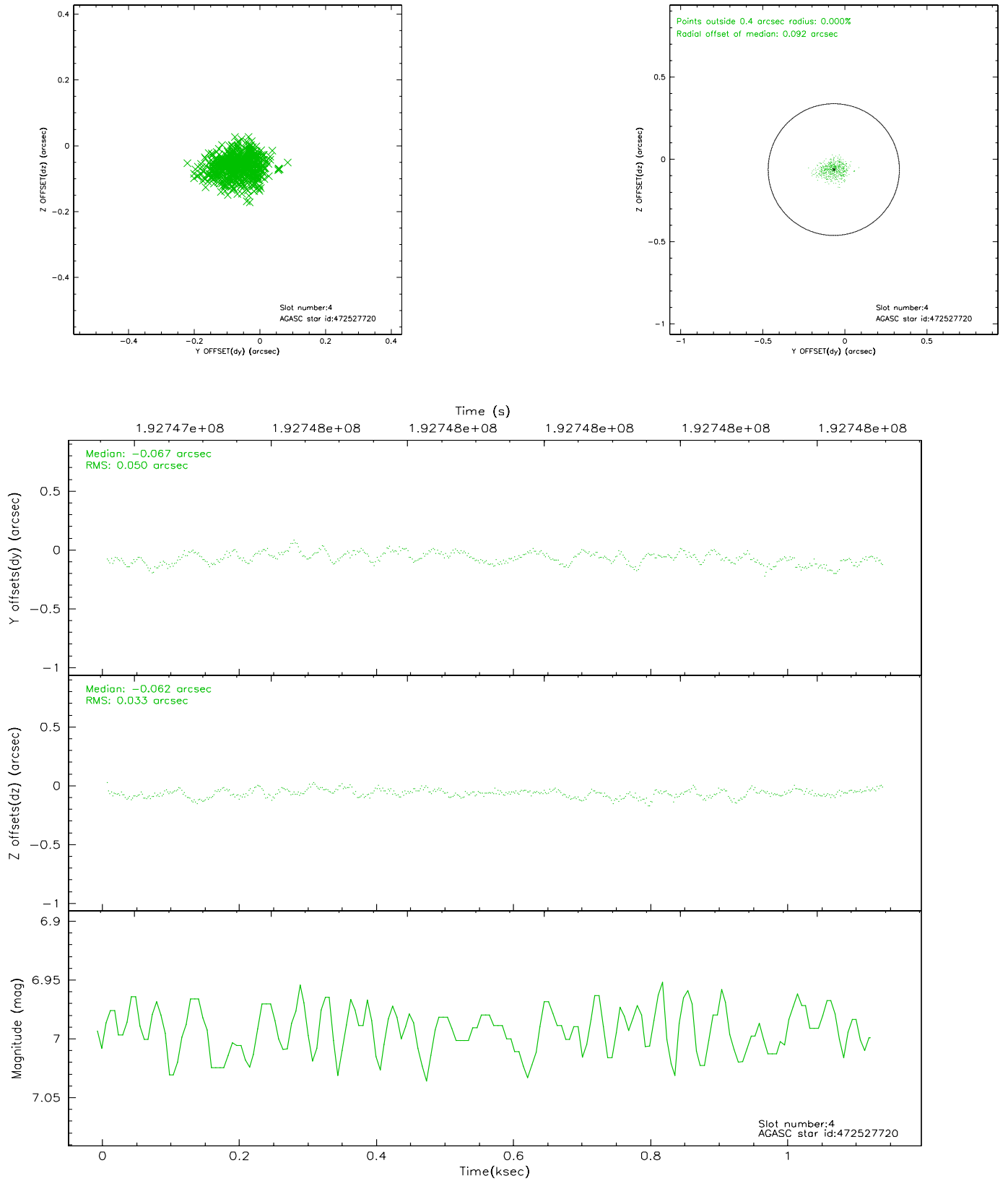


## 2.4 Star Slots

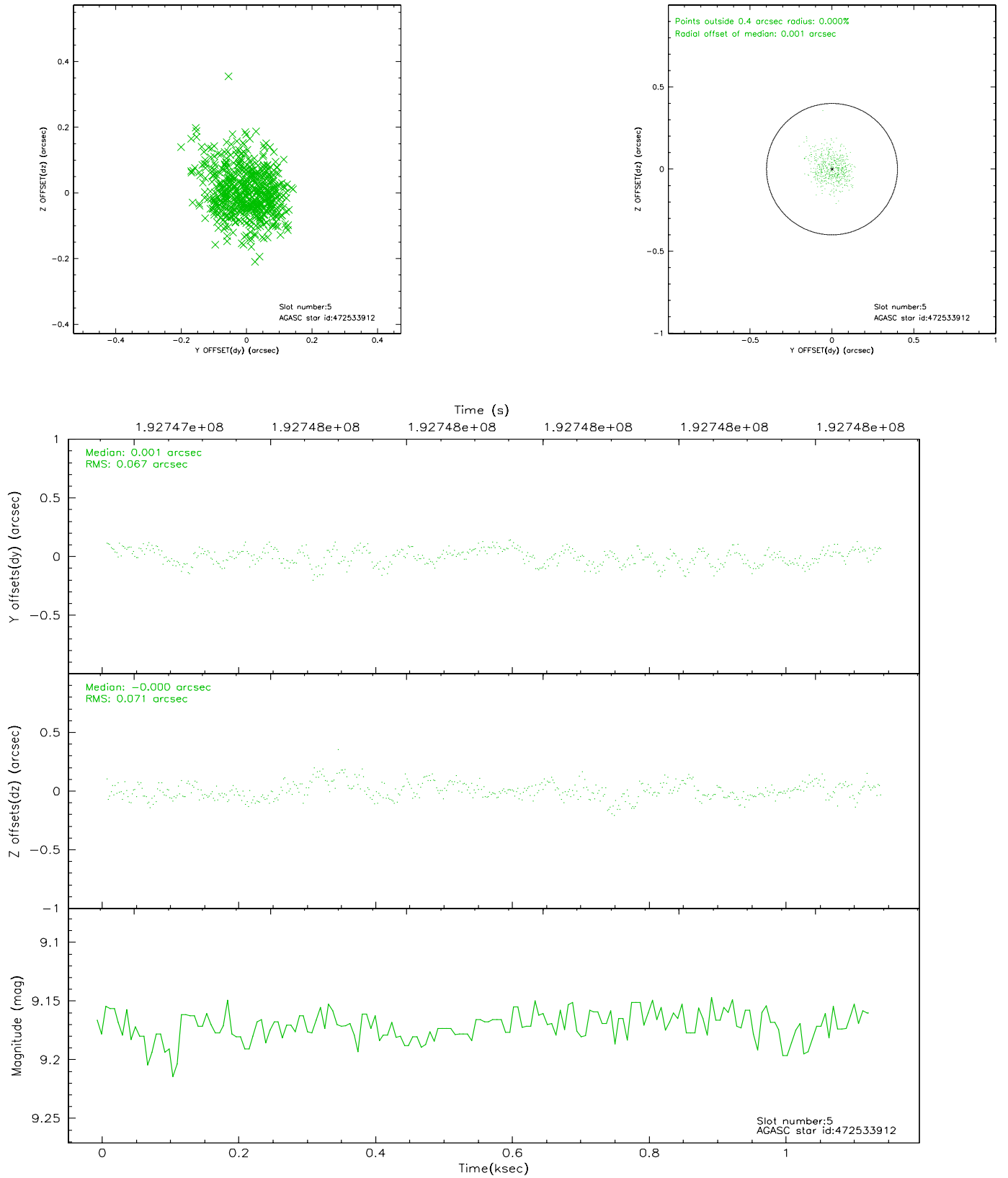
### 2.4.1 Slot 3



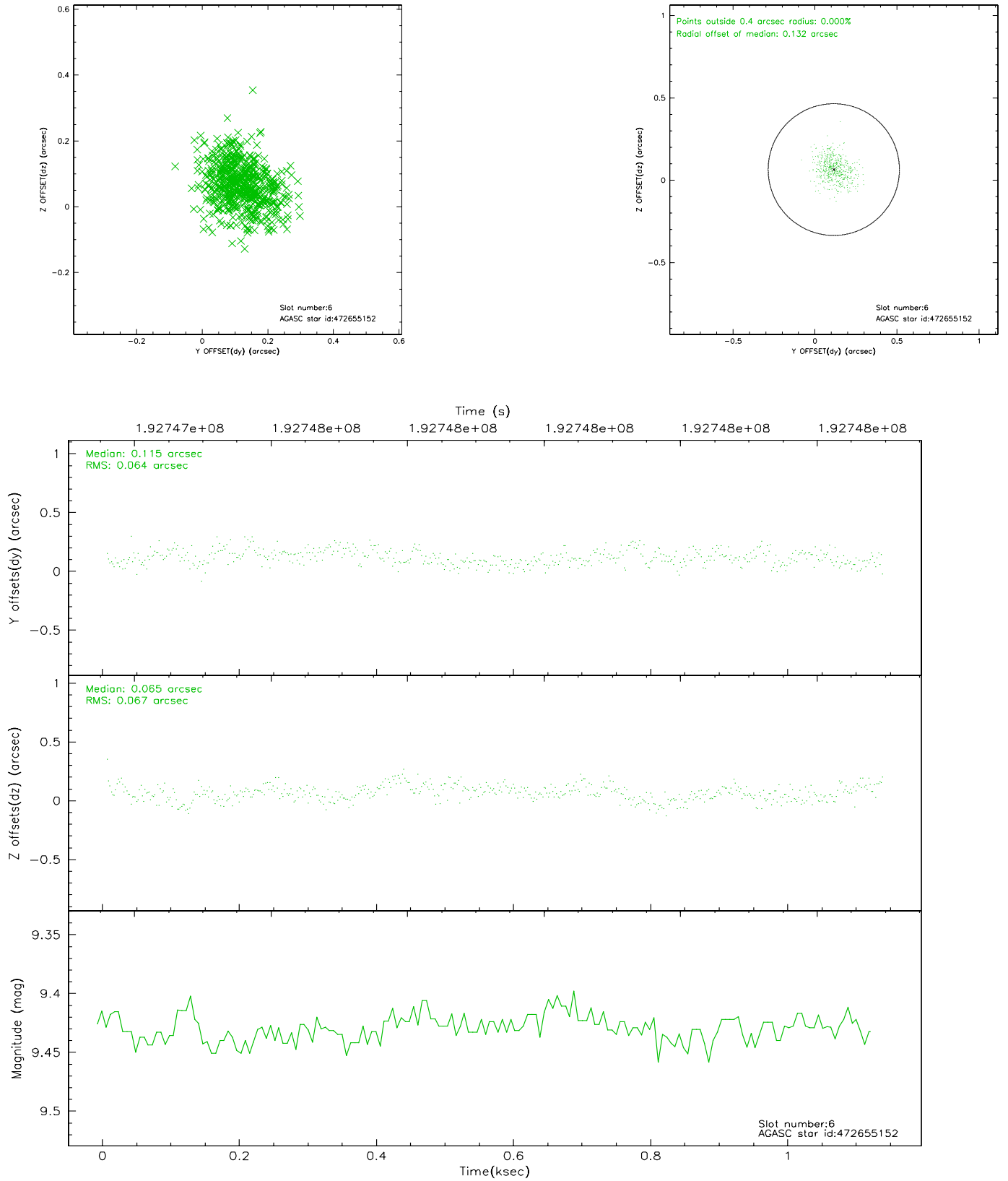
## 2.4.2 Slot 4



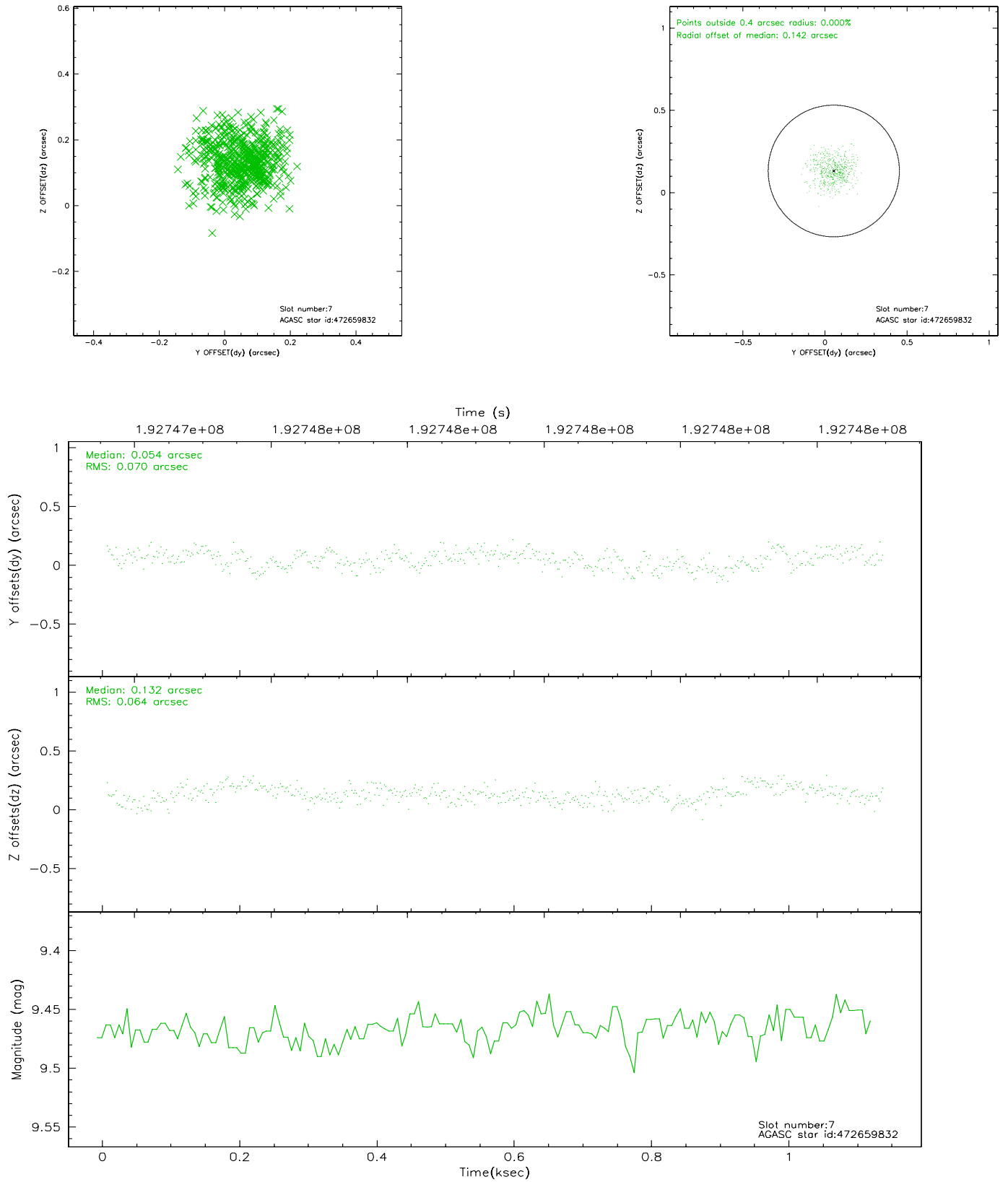
### 2.4.3 Slot 5



## 2.4.4 Slot 6

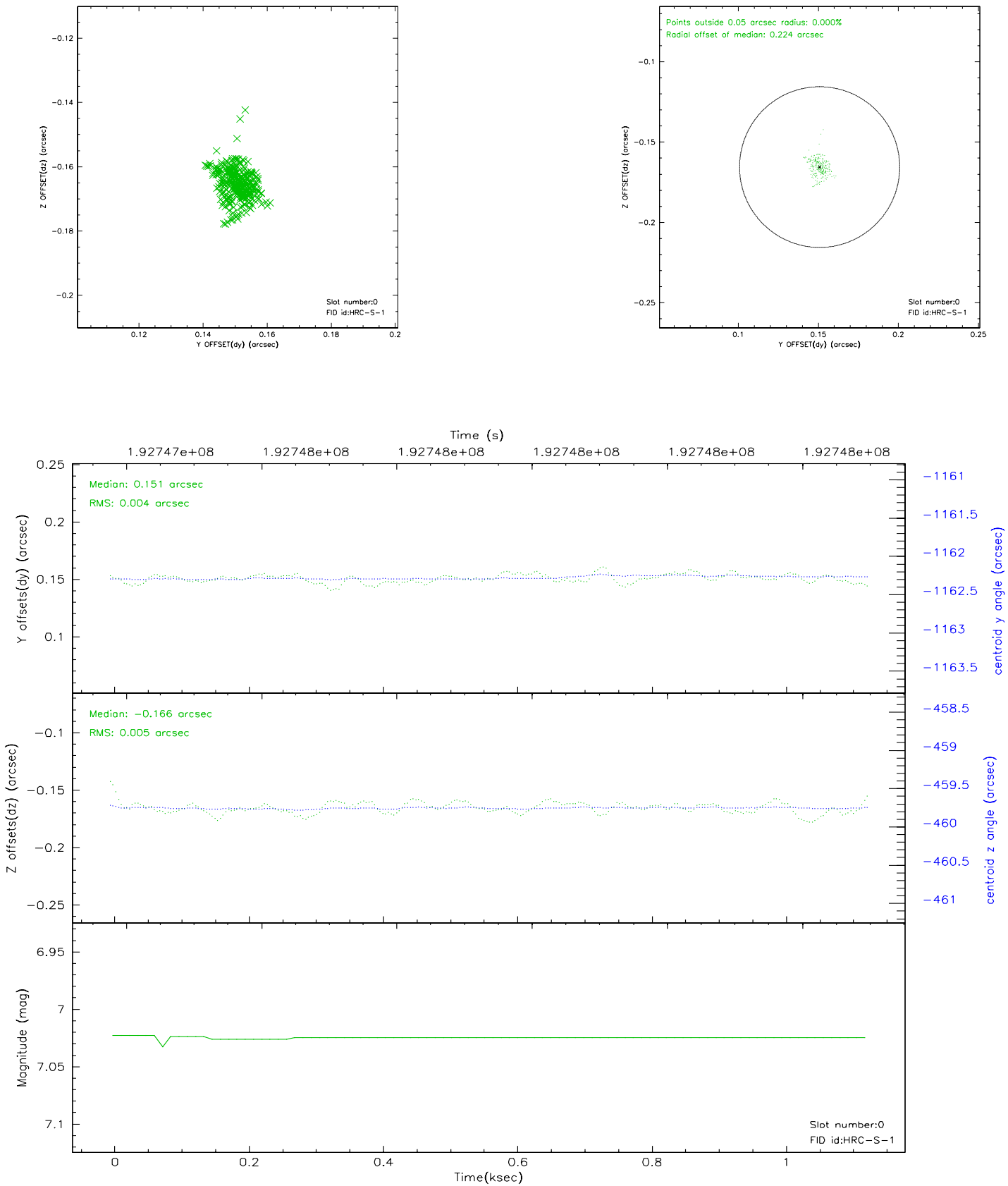


## 2.4.5 Slot 7

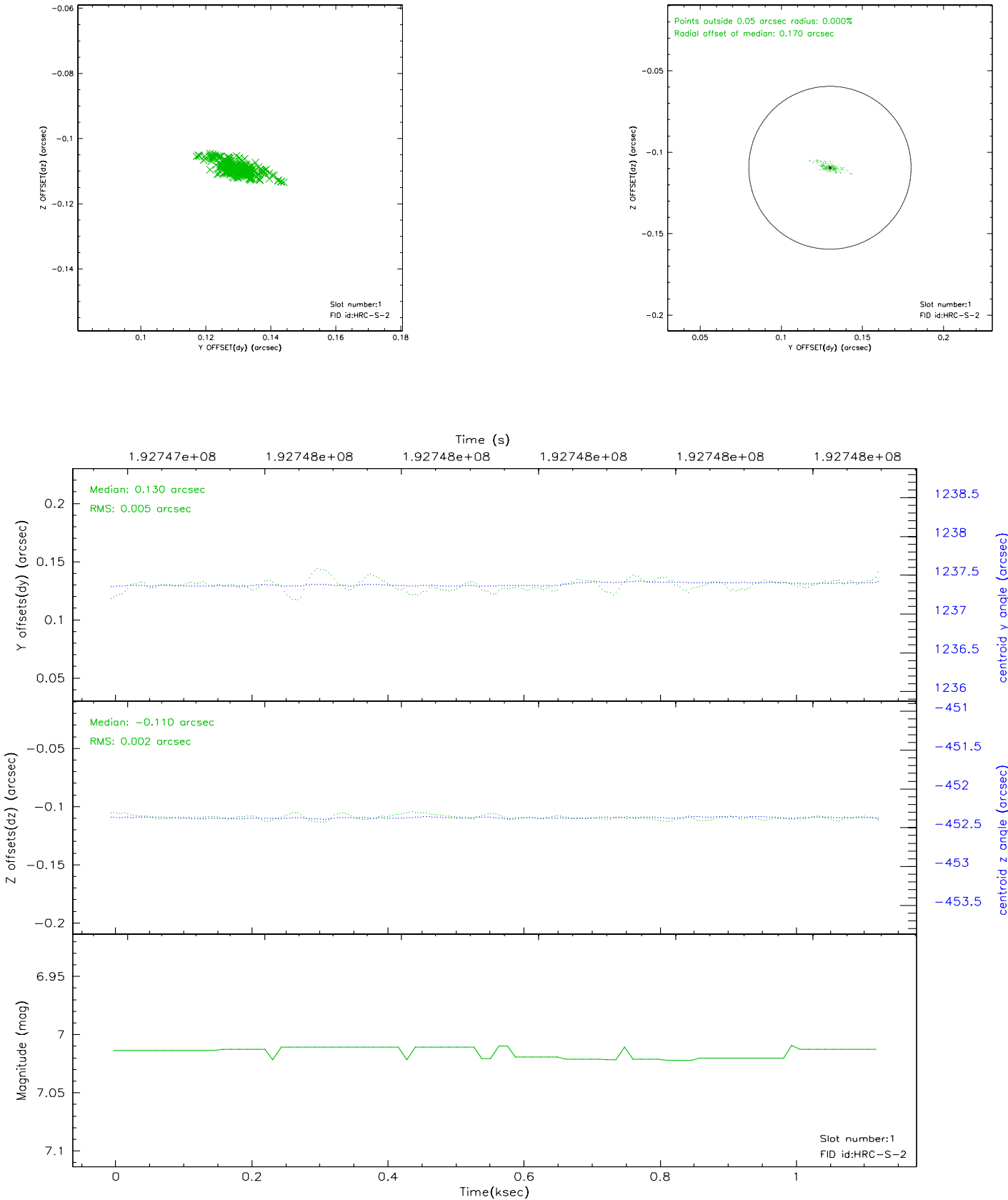


## 2.5 FID Slots

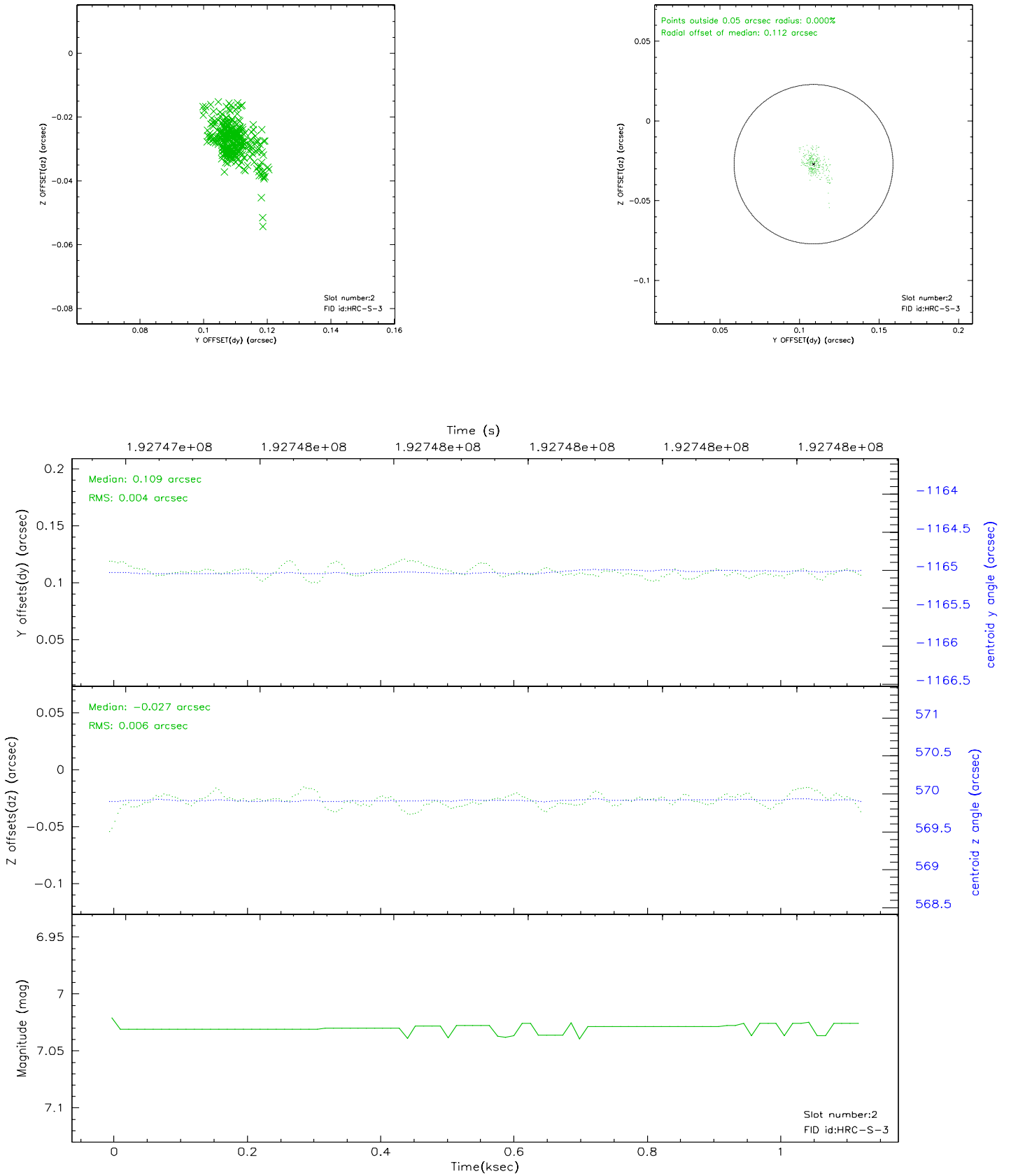
### 2.5.1 Slot 0



2.5.2 Slot 1

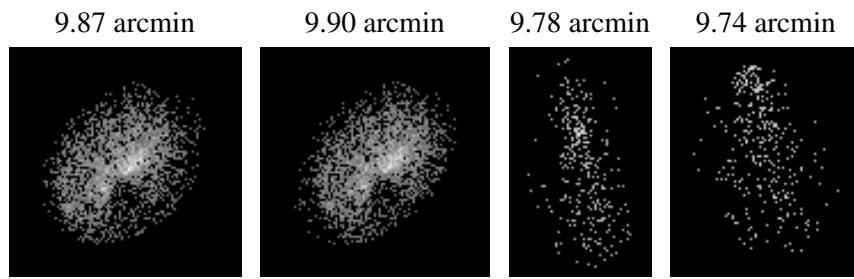


## 2.5.3 Slot 2





### 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	1.088

### A.2 Comments