

# V&V Reference Report

## L2 ASCDS Version : 7.6.8

Observation 4332 - L2 Version 001  
Chandra X-Ray Center

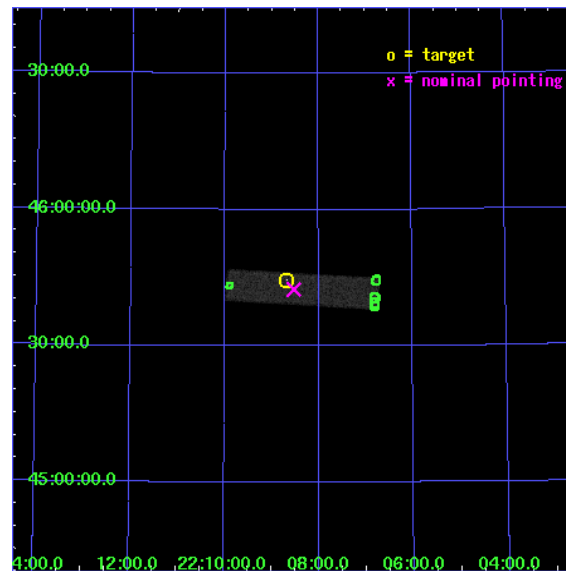
L2 Processing Date : Jul 27 2006

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# 1 Front

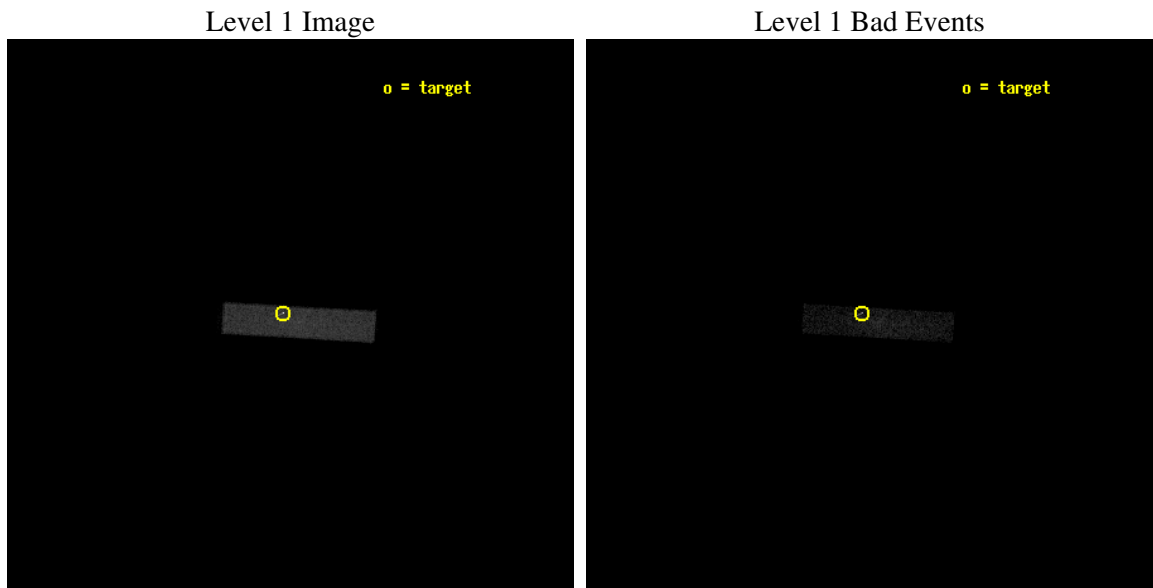
seq_num	290292
obs_id	4332
title	AO4A CALIBRATION OBSERVATIONS TO MONITOR SPATIAL VARIATIONS IN THE HRC-S GAIN
observer	Dr. CXC Calibration
object	ARLAC
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.13129279704
dec_nom	45.708246819811
roll_nom	3.3263533510377
revision	2
ontime	819.23128446937
livetime	815.10437735941
l2events	26824



## 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	2006-07-27T19:55:51
revision	2

sched_exp_time	1000.000000
ontime	1173.6250493824
l1events	42977

### 2.1.3 Events

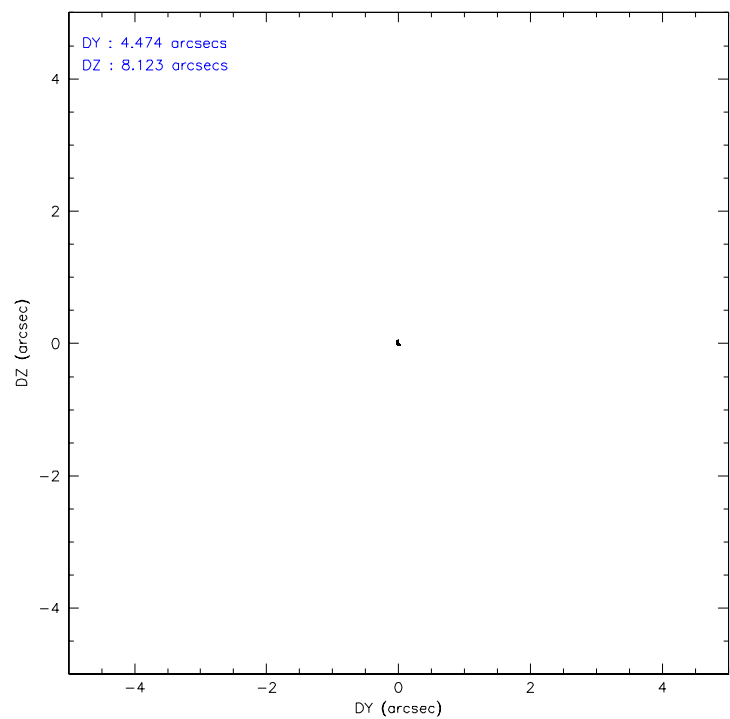
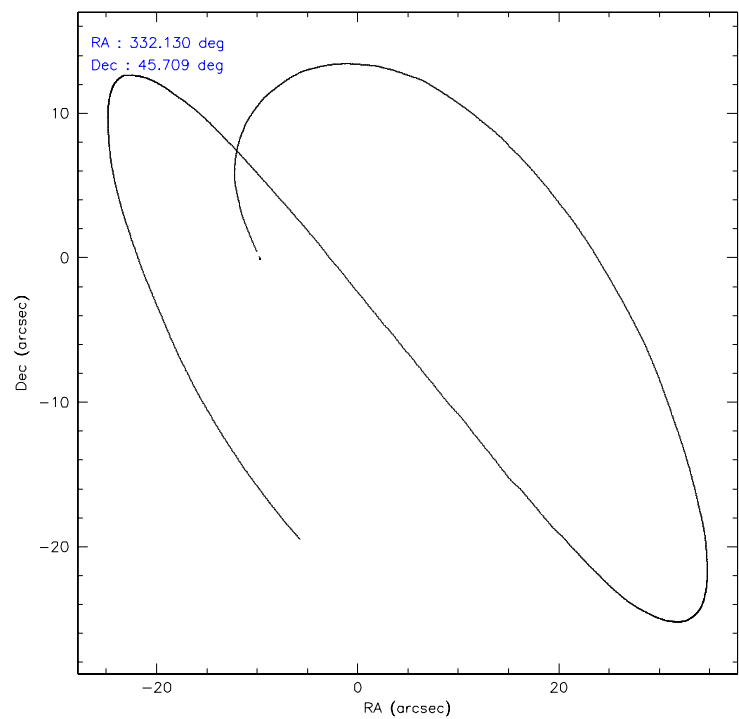
Level 1 Events

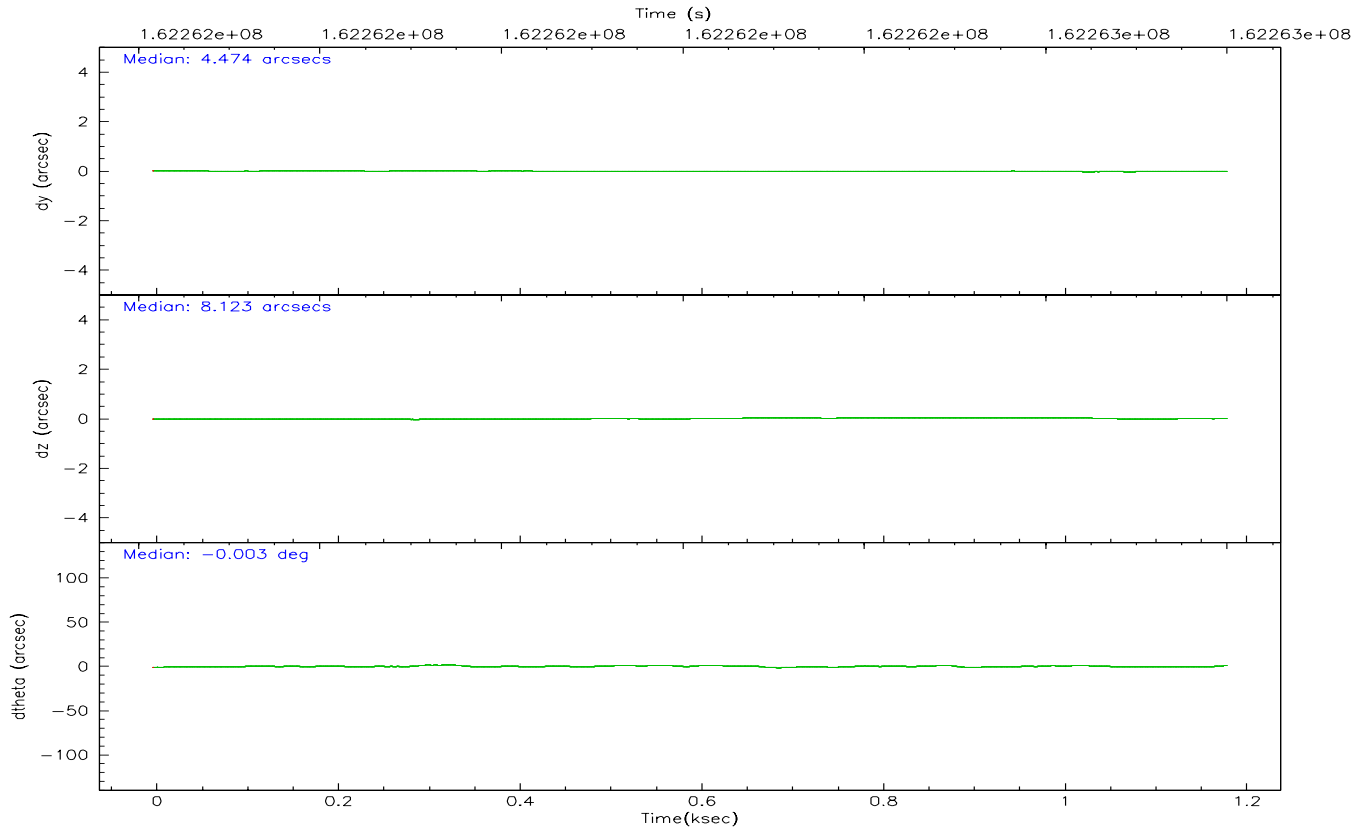
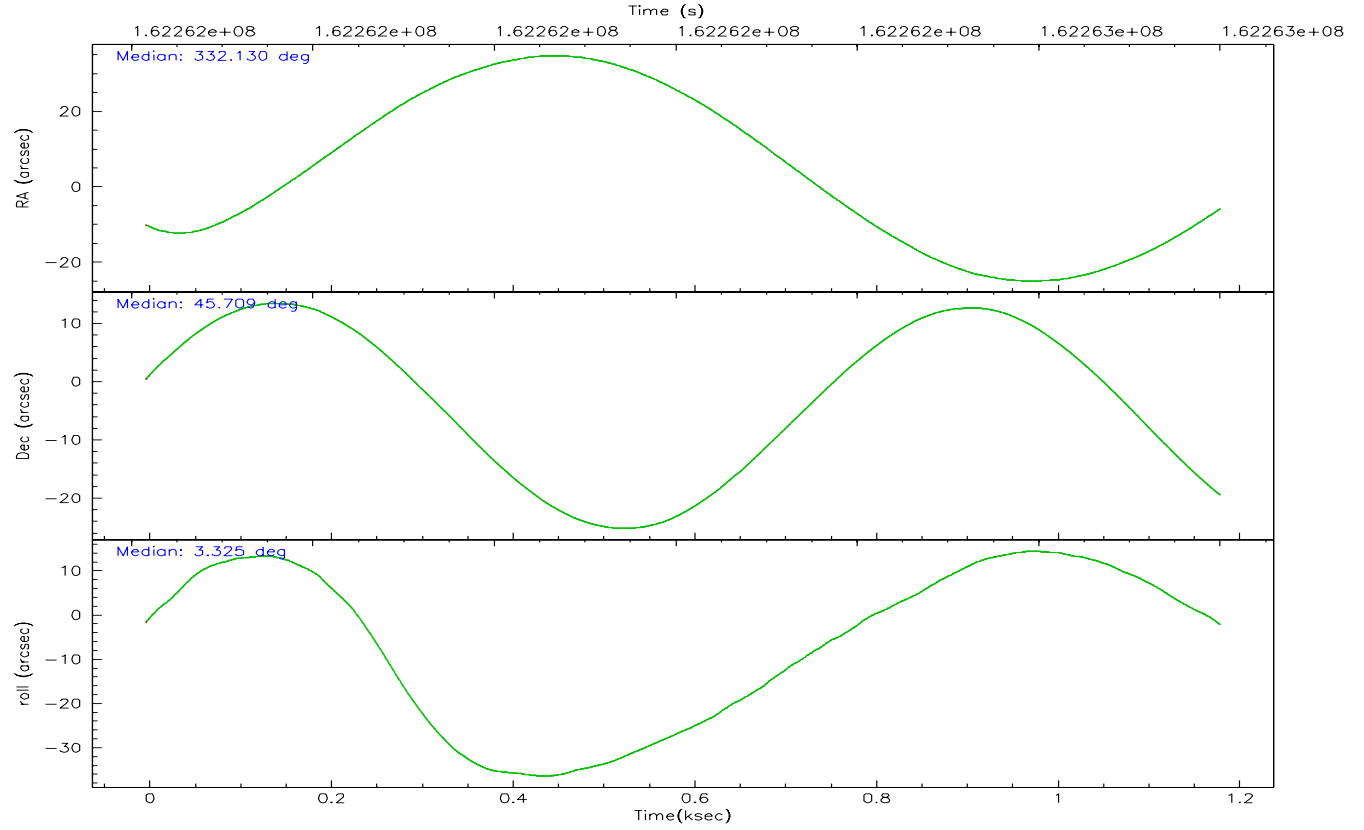
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	0	42977	0
rejected events	0	14184	0
rejected %	0%	33%	0%

## 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	332.098679	332.1312927970415			
Pointing Dec	45.690385	45.70824681981057			
Pointing Roll	3.282450	3.32635335103768			
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	162261795.184000	162260768.05568			
Observation start date	2003-02-22T00:42:11	2003-02-22T00:26:08			
Observation end time	162262795.184000	162262929.26827			
Observation end date	2003-02-22T00:58:51	2003-02-22T01:02:09			

## 2.3 Aspect





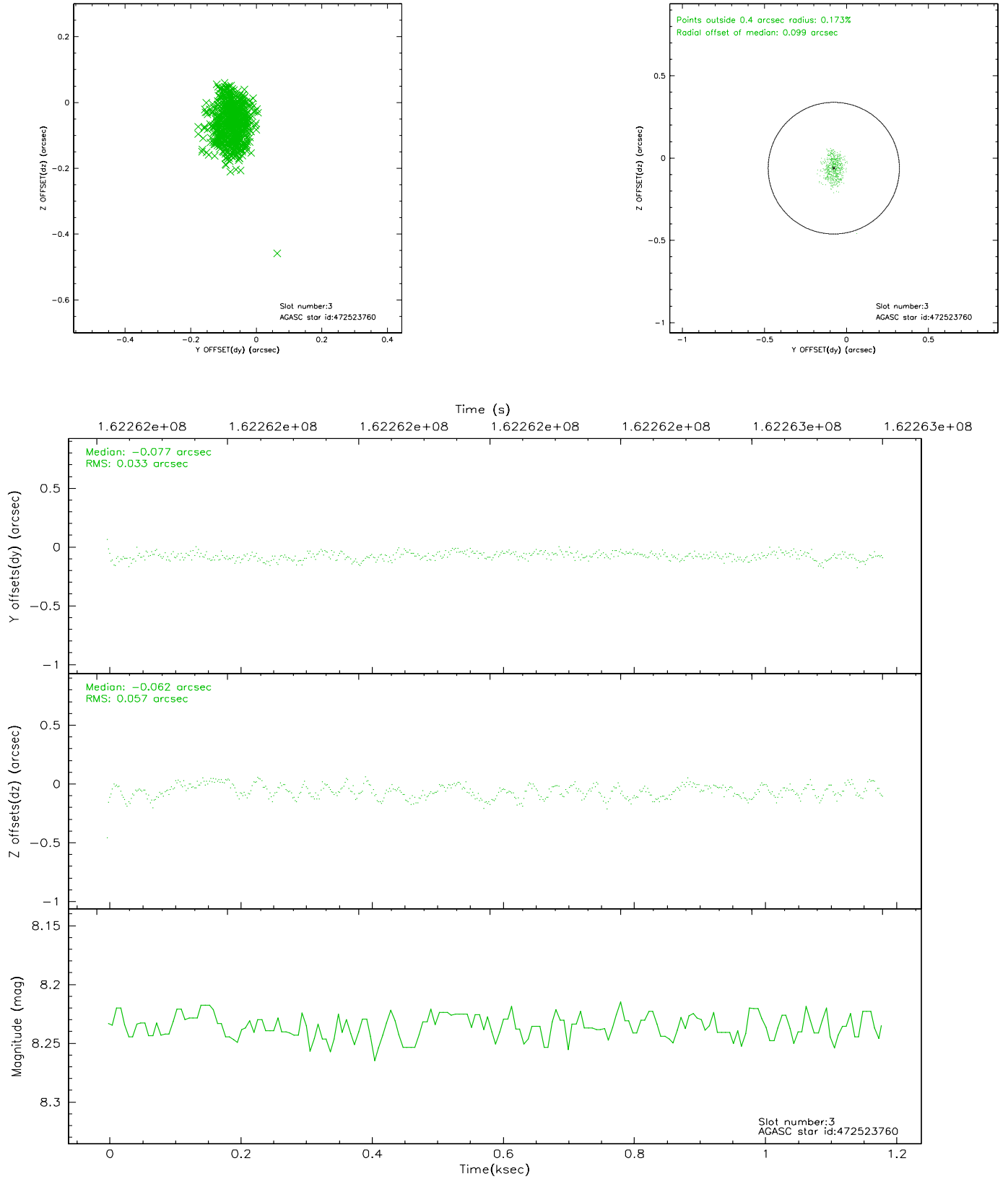
### Slot Statistics

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	289	0.158	-0.130	0.008	0.014	0.000000	0.000000	-1158.53	-456.72
1	FID	HRC-S-2	7.01	289	0.066	-0.085	0.005	0.009	0.000000	0.000000	1237.05	-450.90
2	FID	HRC-S-3	7.04	289	0.166	-0.087	0.008	0.014	0.000000	0.000000	-1156.96	571.29
3	GUIDE	472523760	8.24	578	-0.077	-0.062	0.070	0.108	331.645363	45.403260	-1201.81	-966.64
4	GUIDE	472654568	9.43	577	-0.039	0.052	0.099	0.171	332.194449	45.063576	113.14	-2271.57
5	GUIDE	472659832	9.46	578	0.006	0.063	0.093	0.161	332.780399	46.098139	1784.78	1368.23
6	GUIDE	472527720	6.99	578	-0.042	-0.066	0.071	0.109	331.460205	45.112509	-1733.90	-1978.84
7	GUIDE	472655152	9.43	575	0.148	0.018	0.088	0.146	332.504239	45.862991	1049.07	557.91

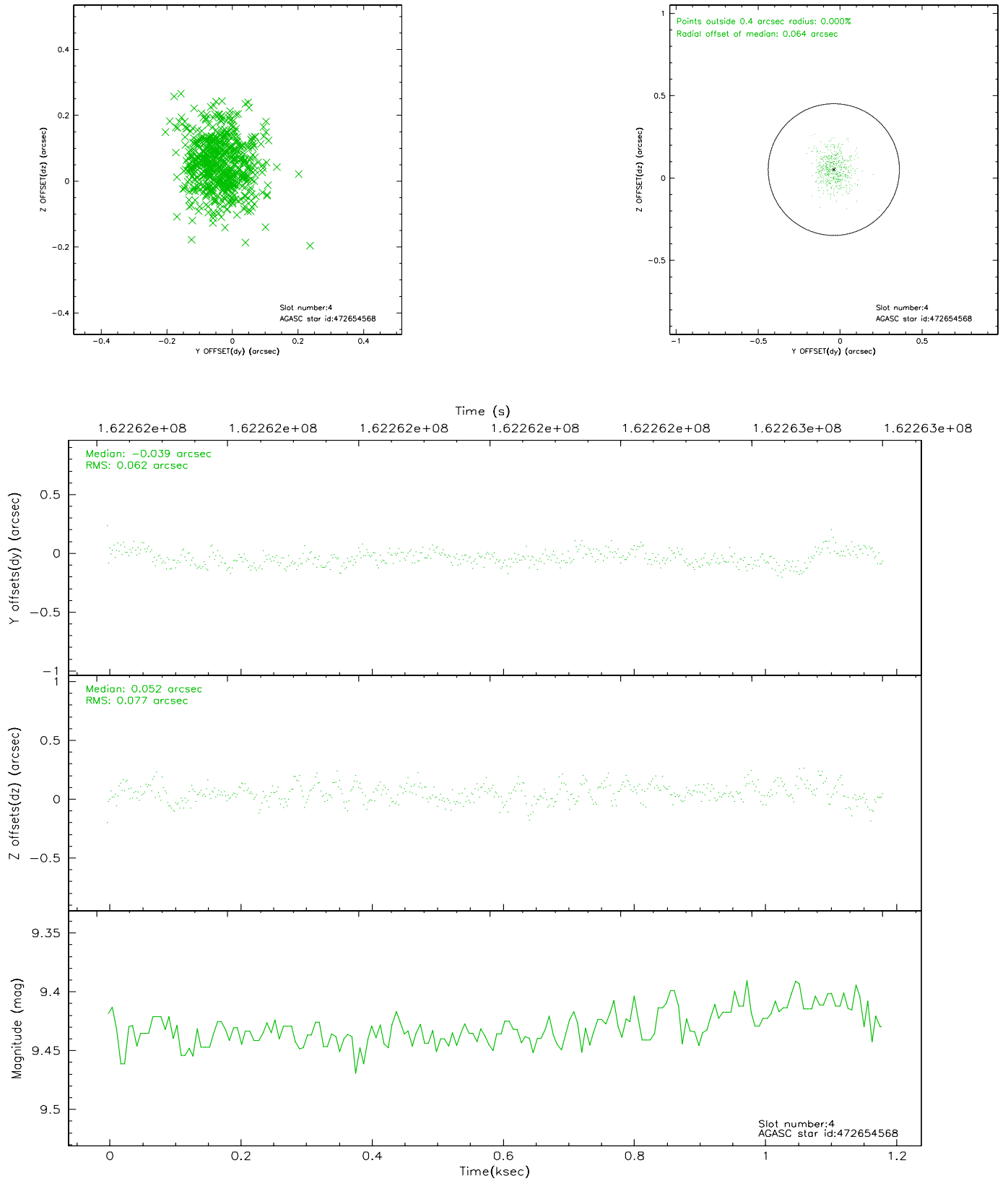


## 2.4 Star Slots

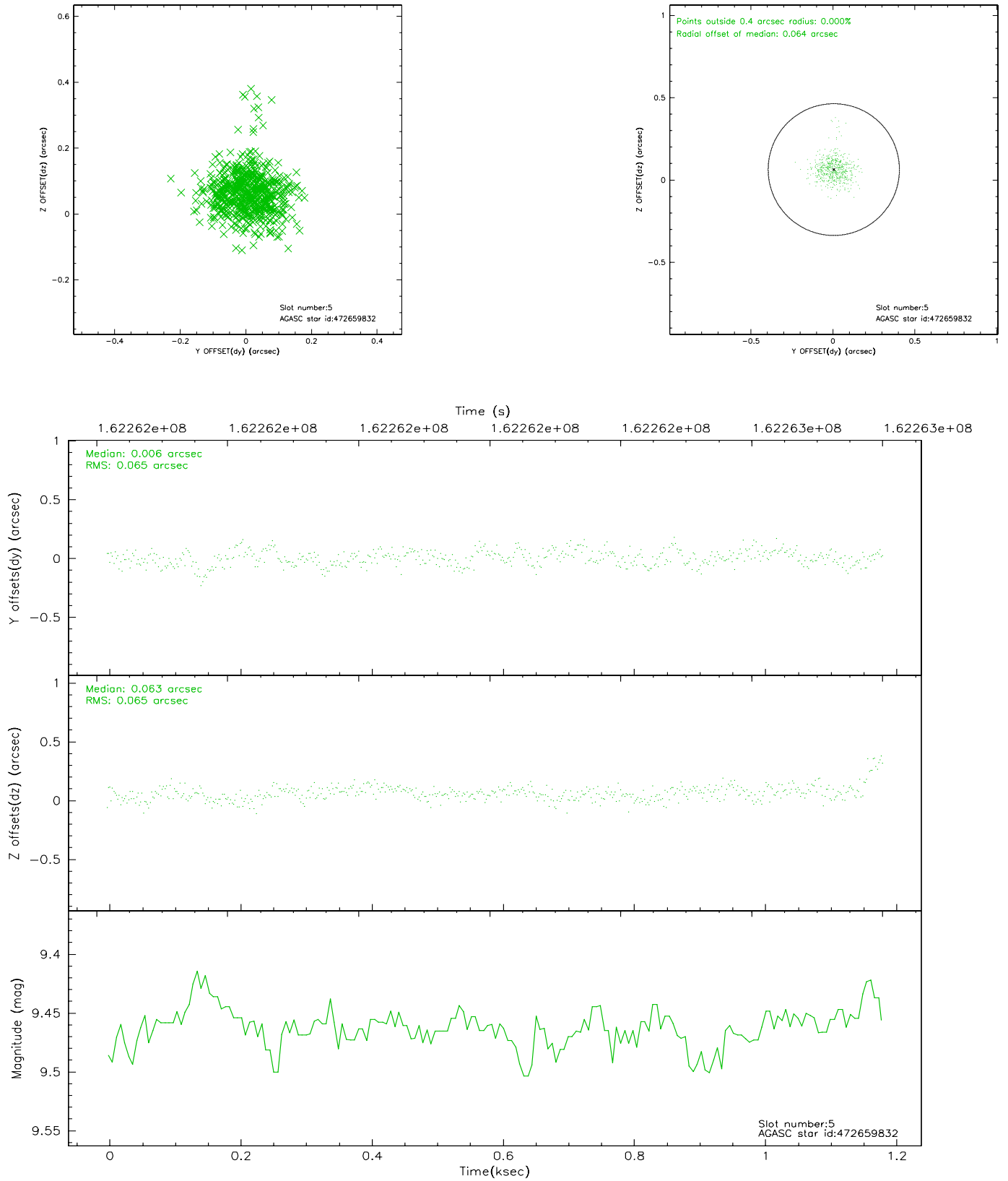
### 2.4.1 Slot 3



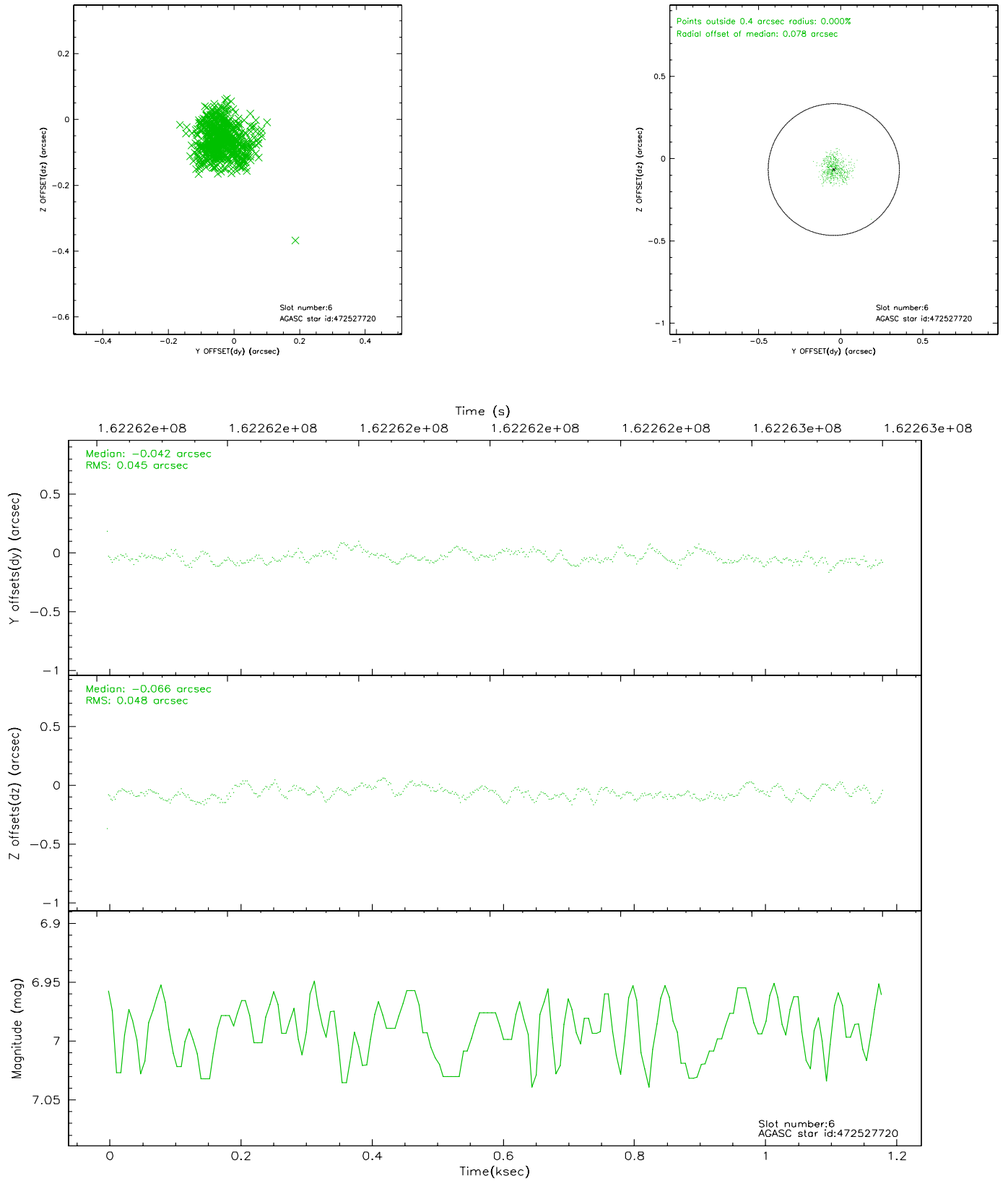
## 2.4.2 Slot 4



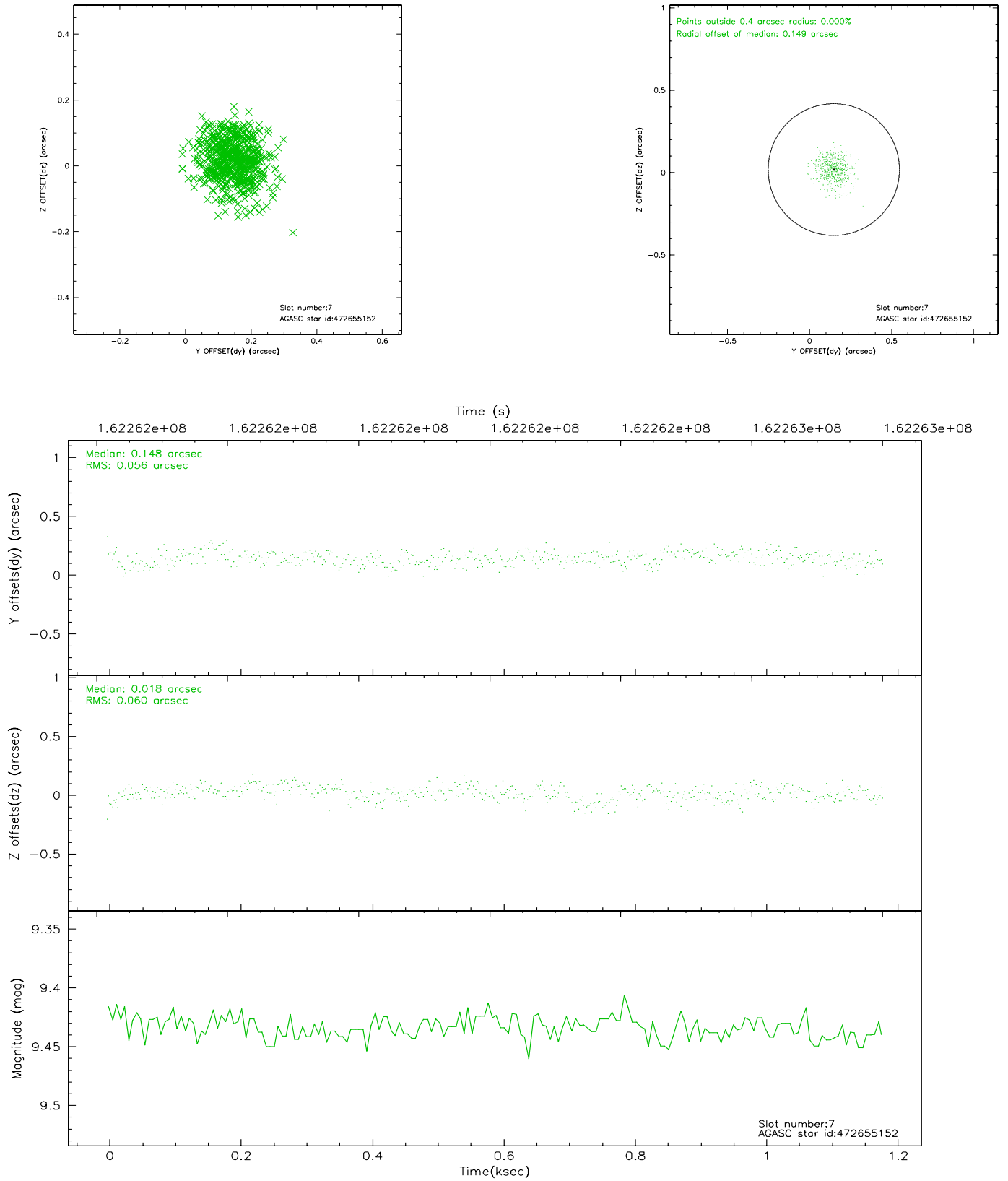
### 2.4.3 Slot 5



## 2.4.4 Slot 6

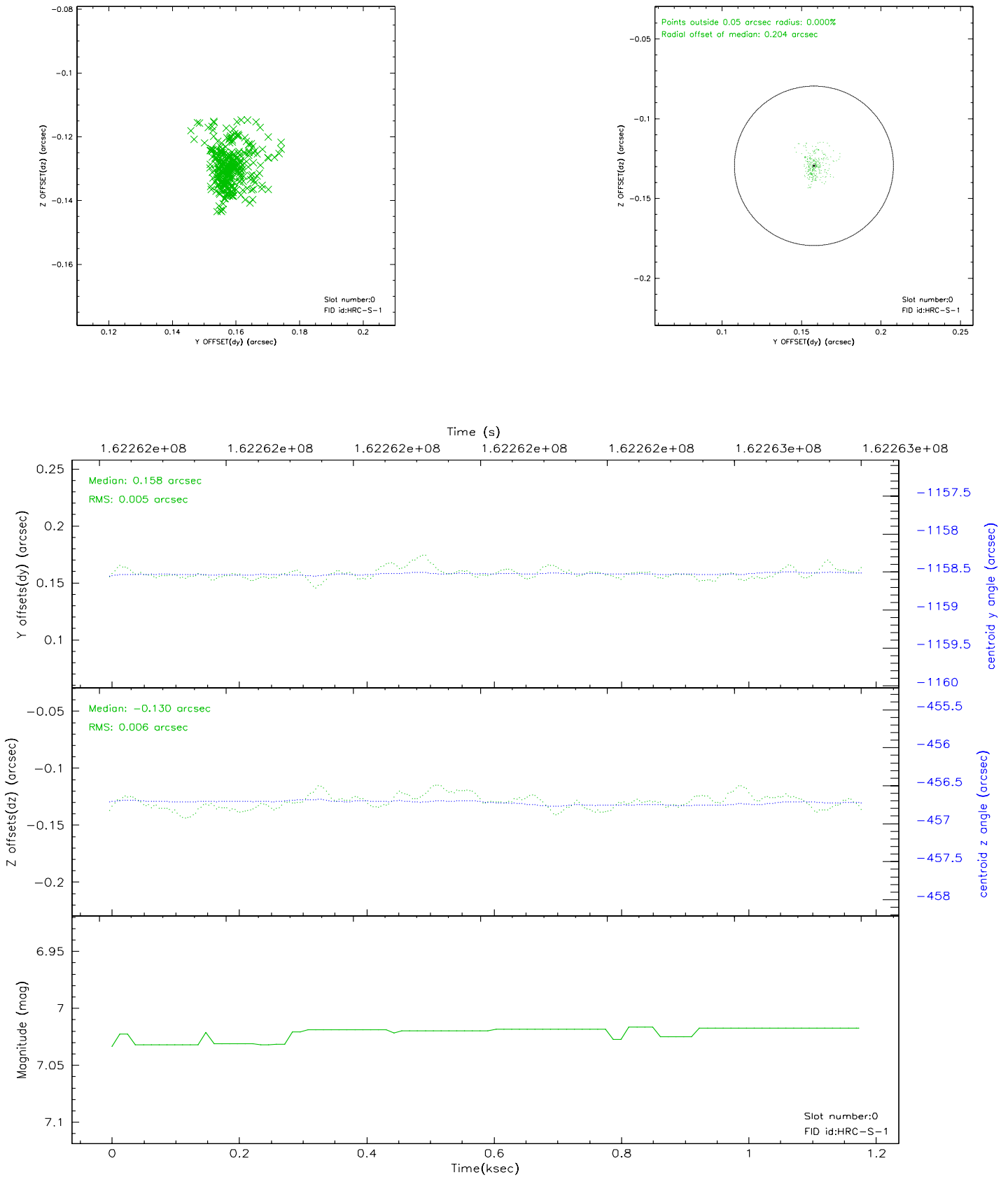


## 2.4.5 Slot 7

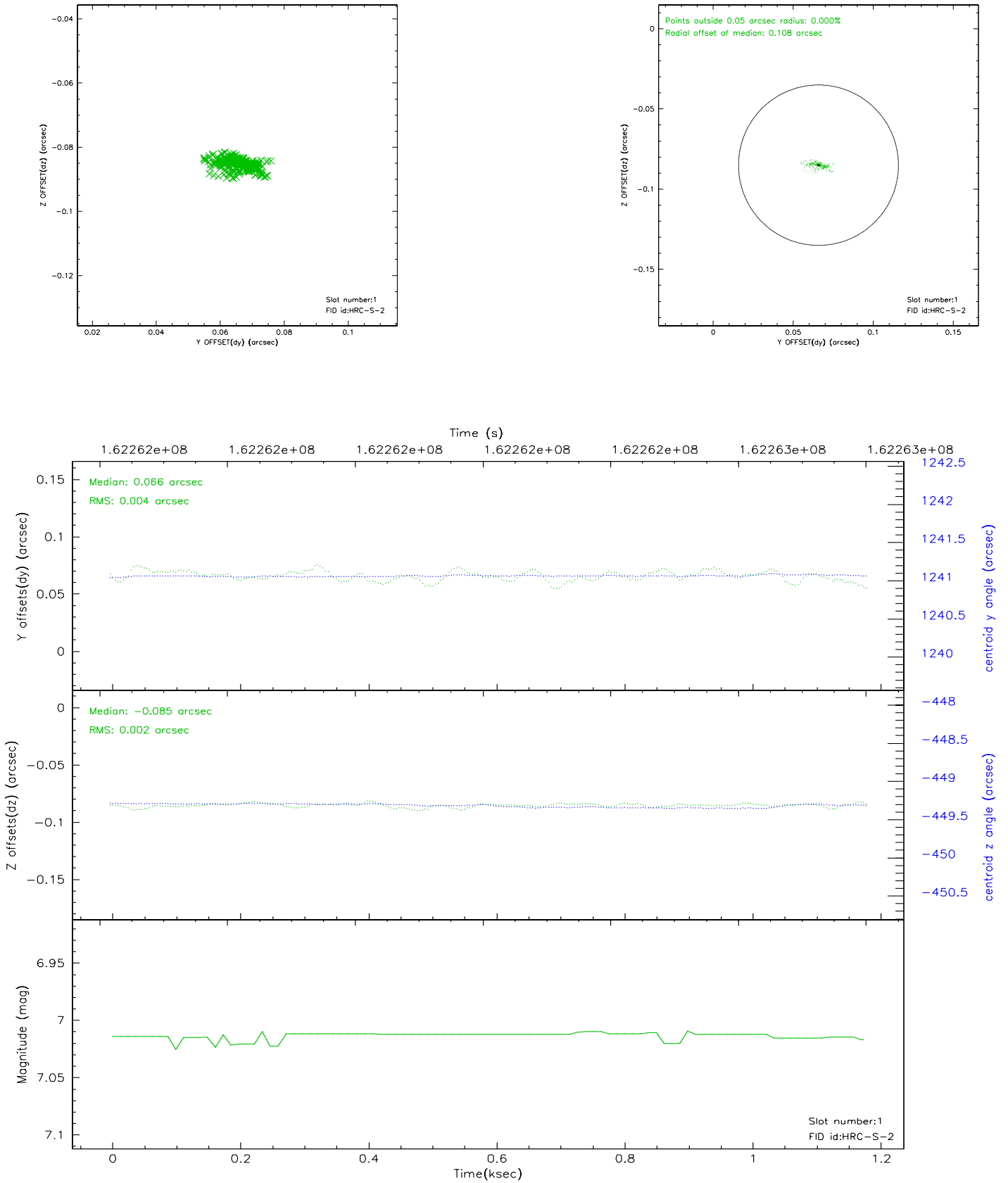


## 2.5 FID Slots

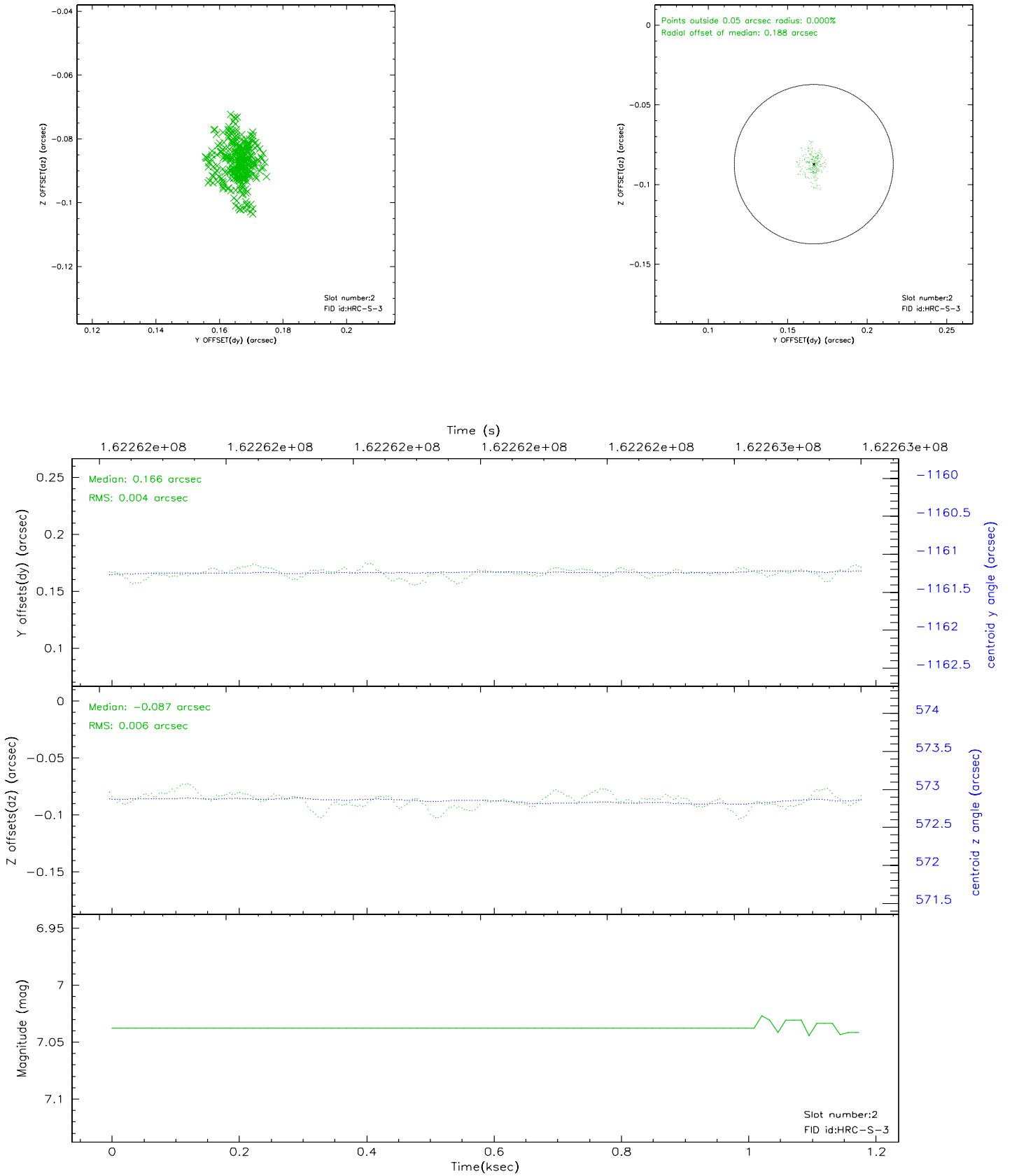
### 2.5.1 Slot 0



## 2.5.2 Slot 1

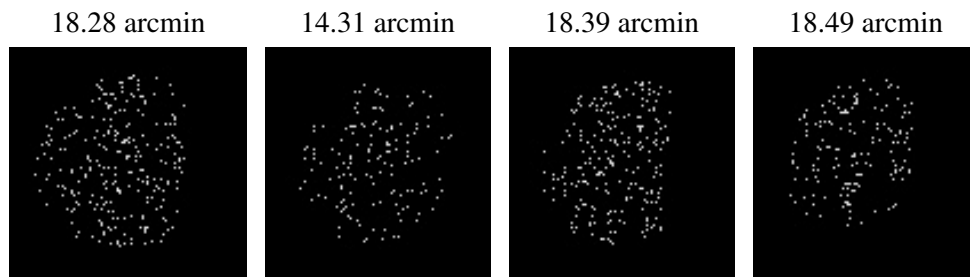


### 2.5.3 Slot 2





### 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	0.819

### A.2 Comments

Monitor constraint not met--starts before obs4339 rather than after.