

# V&V Reference Report

## L2 ASCDS Version : 7.6.7

Observation 6031 - L2 Version 002  
Chandra X-Ray Center

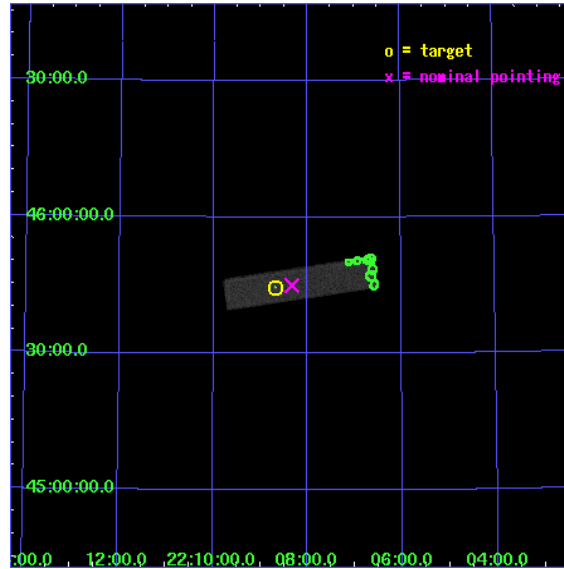
L2 Processing Date: Feb 22 2006

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# 1 Front

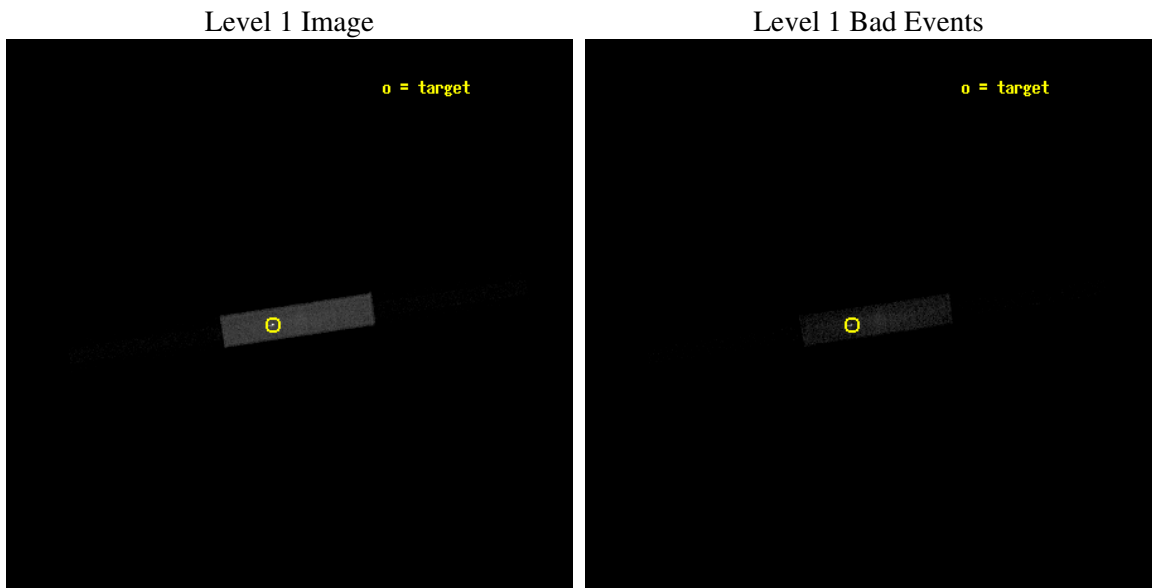
seq_num	290523
obs_id	6031
title	AO6A Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain
observer	Dr. CXC Calibration
object	ArLac
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.08232808963
dec_nom	45.750615010448
roll_nom	351.4240353485
revision	2
ontime	1153.1250521839
livetime	1146.2291657252
l2events	45355



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	0
ascdsver	7.6.7
caldbver	3.2.1
date	2006-02-22T21:43:05
revision	2

sched_exp_time	1000.000000
ontime	1181.8250534832
l1events	77972

### 2.1.3 Events

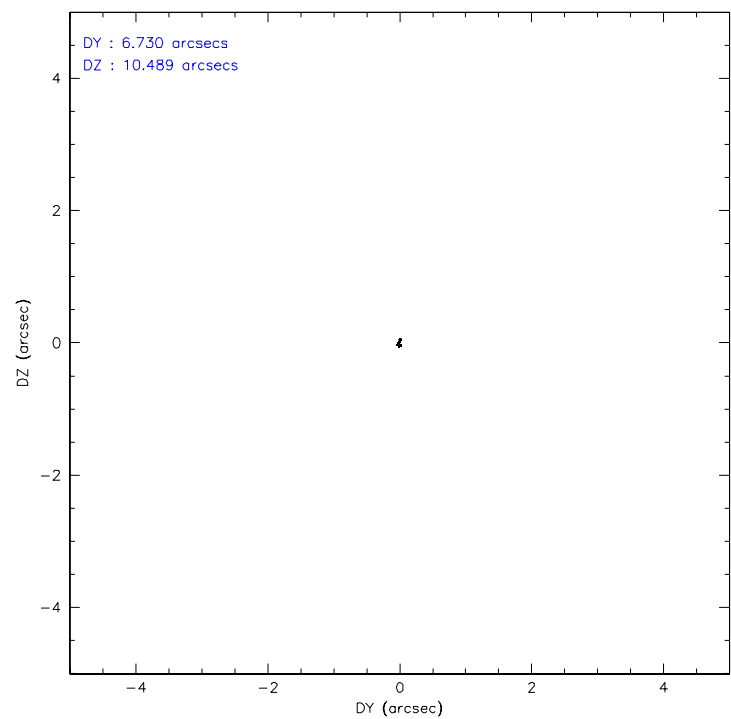
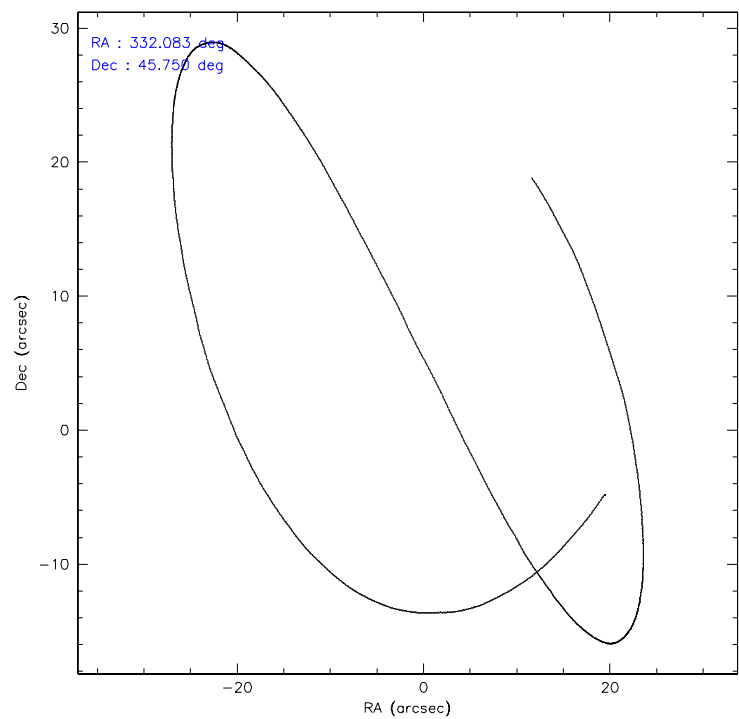
Level 1 Events

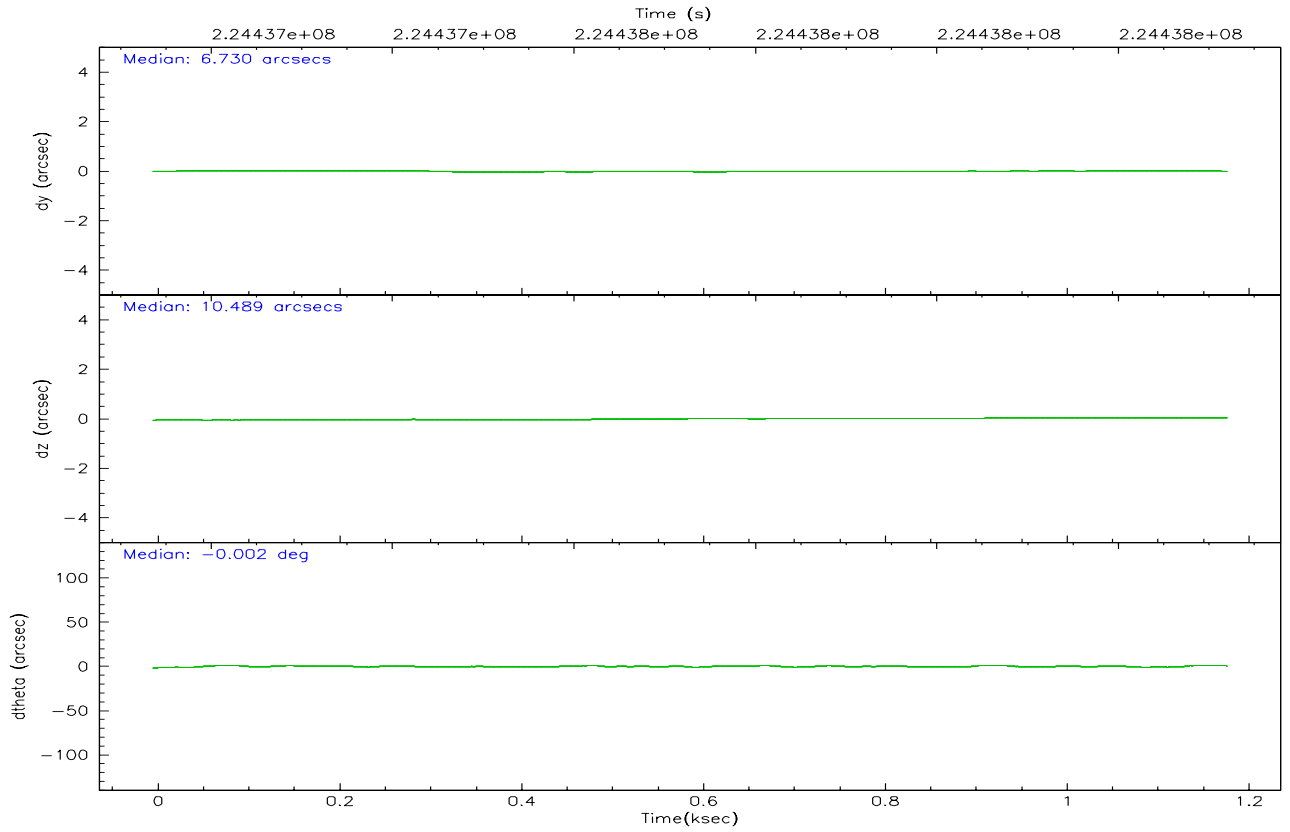
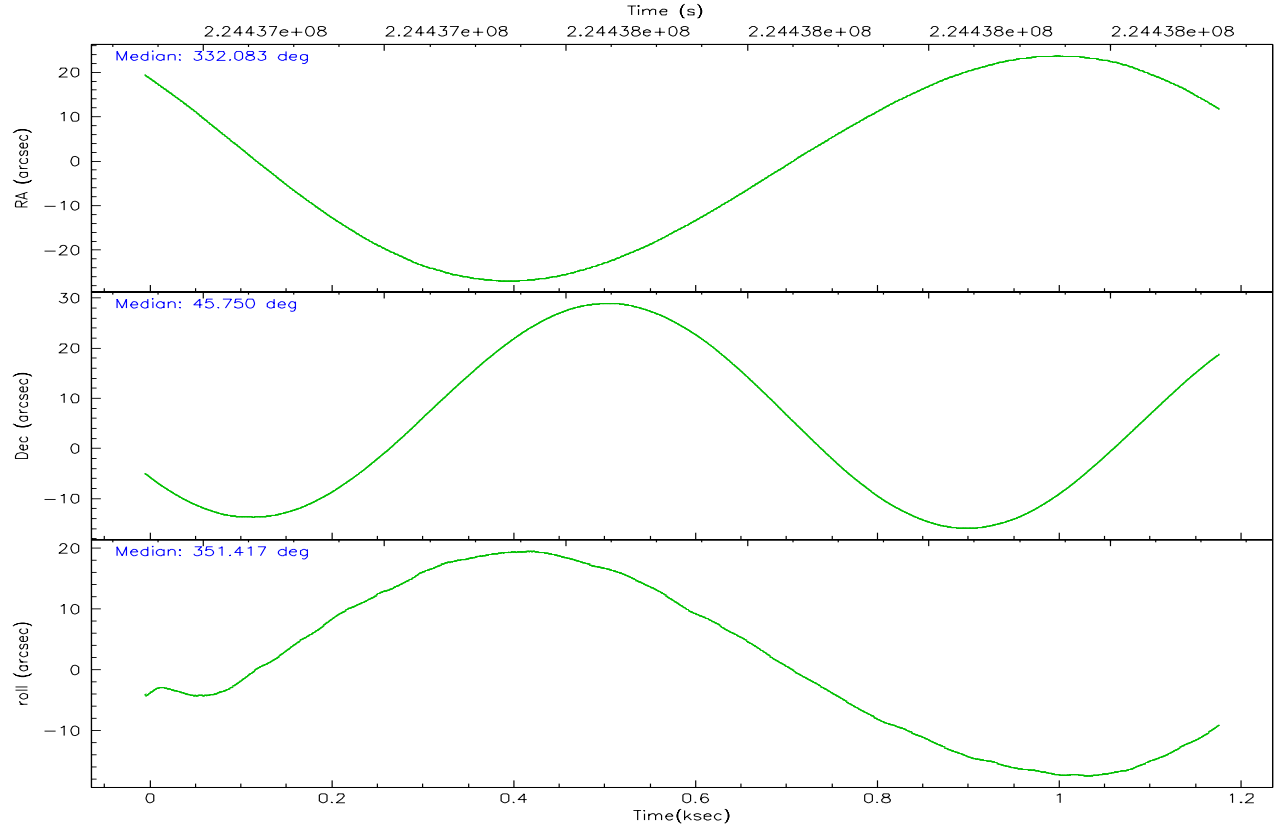
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	626	76706	640
rejected events	626	27965	626
rejected %	100%	36%	97%

## 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	332.044797	332.082328089632			
Pointing Dec	45.739772	45.75061501044837			
Pointing Roll	351.383541	351.4240353485009			
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	224437313.184000	224436937.13305			
Observation start date	2005-02-10T15:40:49	2005-02-10T15:35:37			
Observation end time	224438313.184000	224438446.95812			
Observation end date	2005-02-10T15:57:29	2005-02-10T16:00:46			

2.3 Aspect





### Slot Statistics

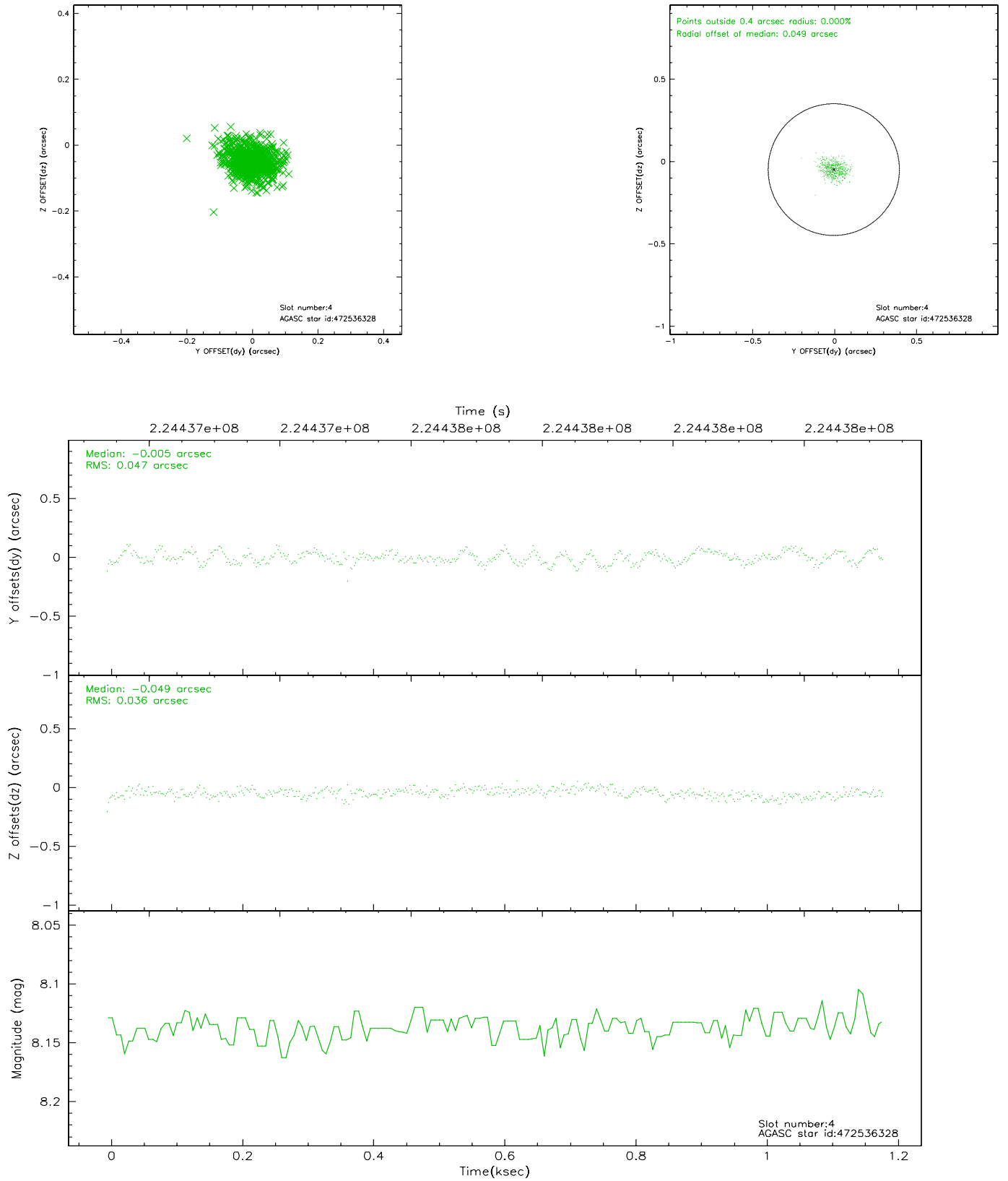
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.03	289	0.113	-0.188	0.008	0.012	0.000000	0.000000	-1160.89	-459.19
1	FID	HRC-S-2	7.02	289	0.183	-0.116	0.005	0.008	0.000000	0.000000	1234.84	-453.38
2	FID	HRC-S-3	7.04	289	0.094	0.002	0.008	0.012	0.000000	0.000000	-1159.34	568.96
3	GUIDE	472523760	8.24	578	-0.002	-0.093	0.069	0.115	331.645363	45.403260	-817.93	-1343.24
4	GUIDE	472536328	8.14	578	-0.005	-0.049	0.063	0.099	331.496671	46.454831	-1733.20	2347.13
5	GUIDE	472665256	9.01	577	-0.010	0.042	0.082	0.134	332.808125	46.195041	1629.66	1922.35
6	GUIDE	472537064	8.95	578	0.015	0.129	0.090	0.149	331.323423	46.483499	-2168.85	2394.12
7	GUIDE	472527720	6.99	577	0.009	-0.034	0.058	0.091	331.460205	45.112509	-1135.38	-2442.30



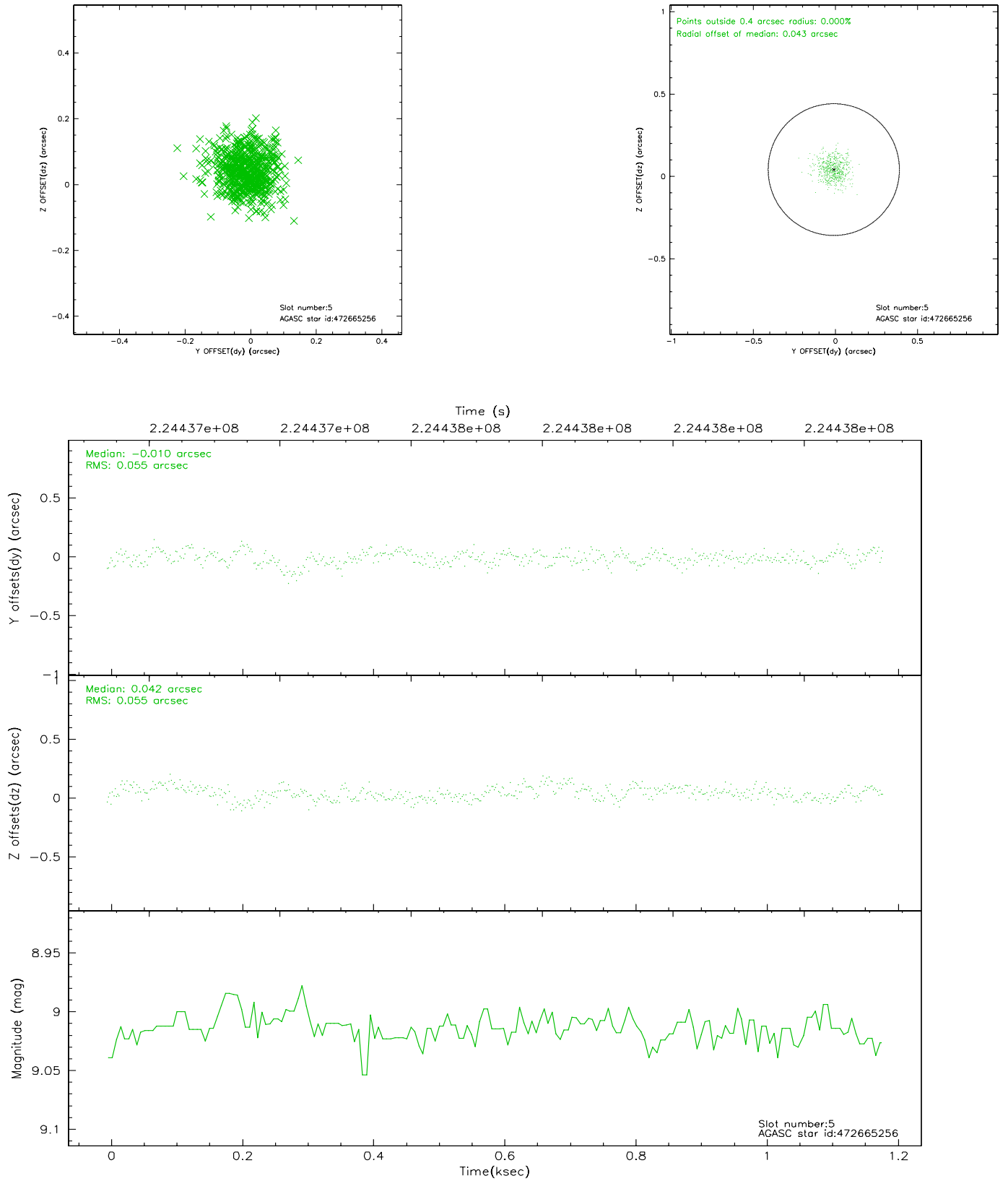
### 2.4.1 Slot 3



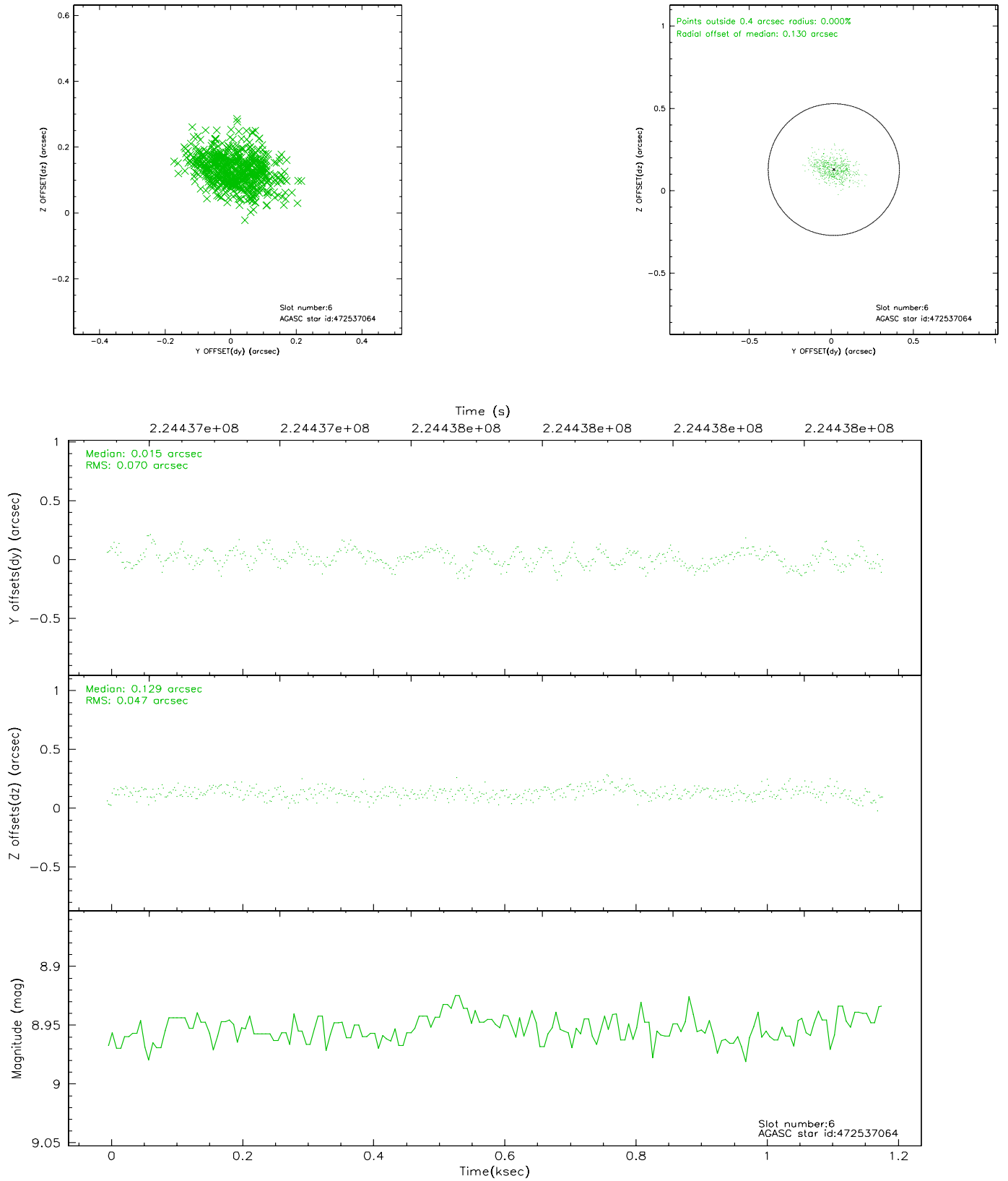
## 2.4.2 Slot 4



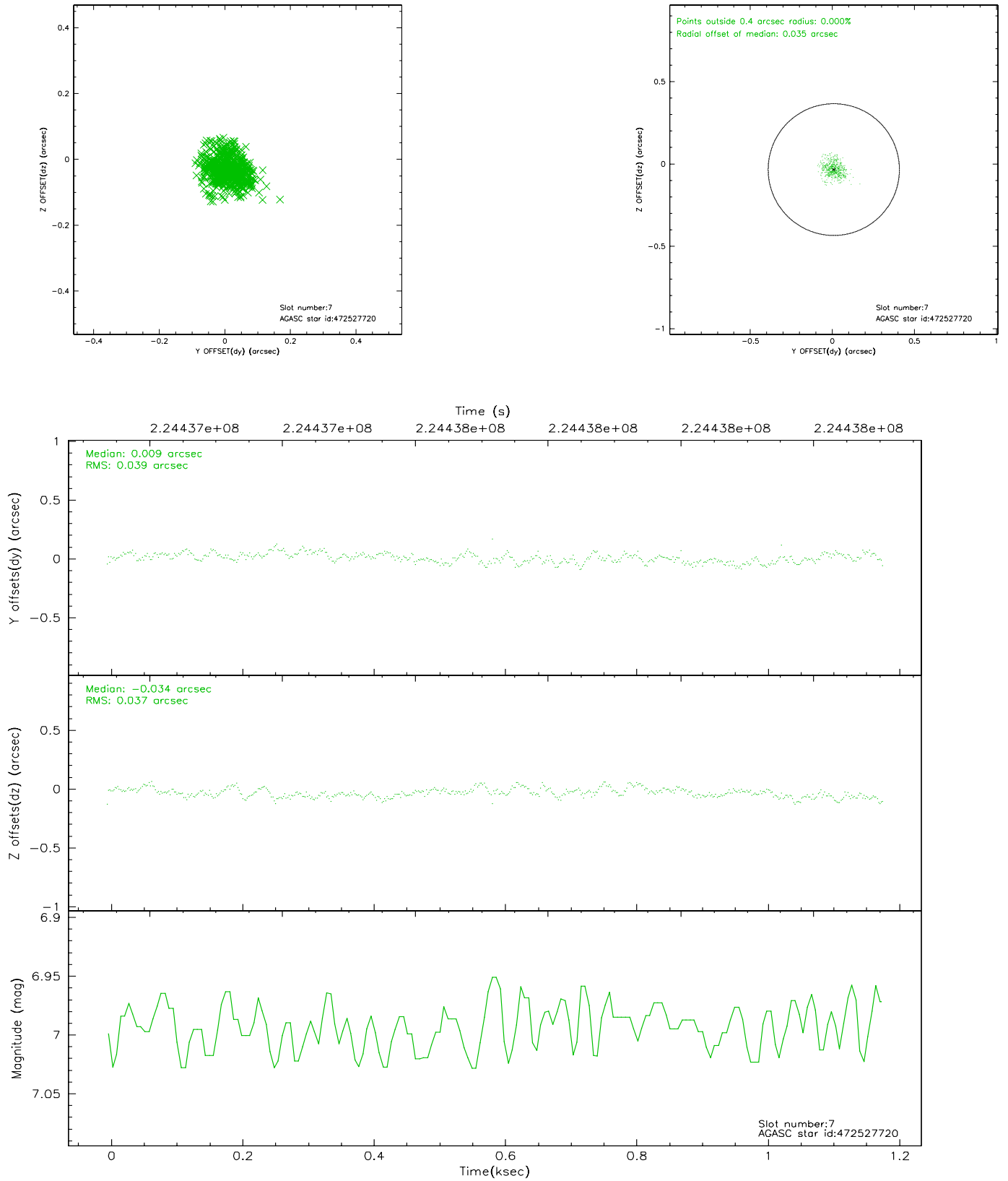
### 2.4.3 Slot 5



## 2.4.4 Slot 6

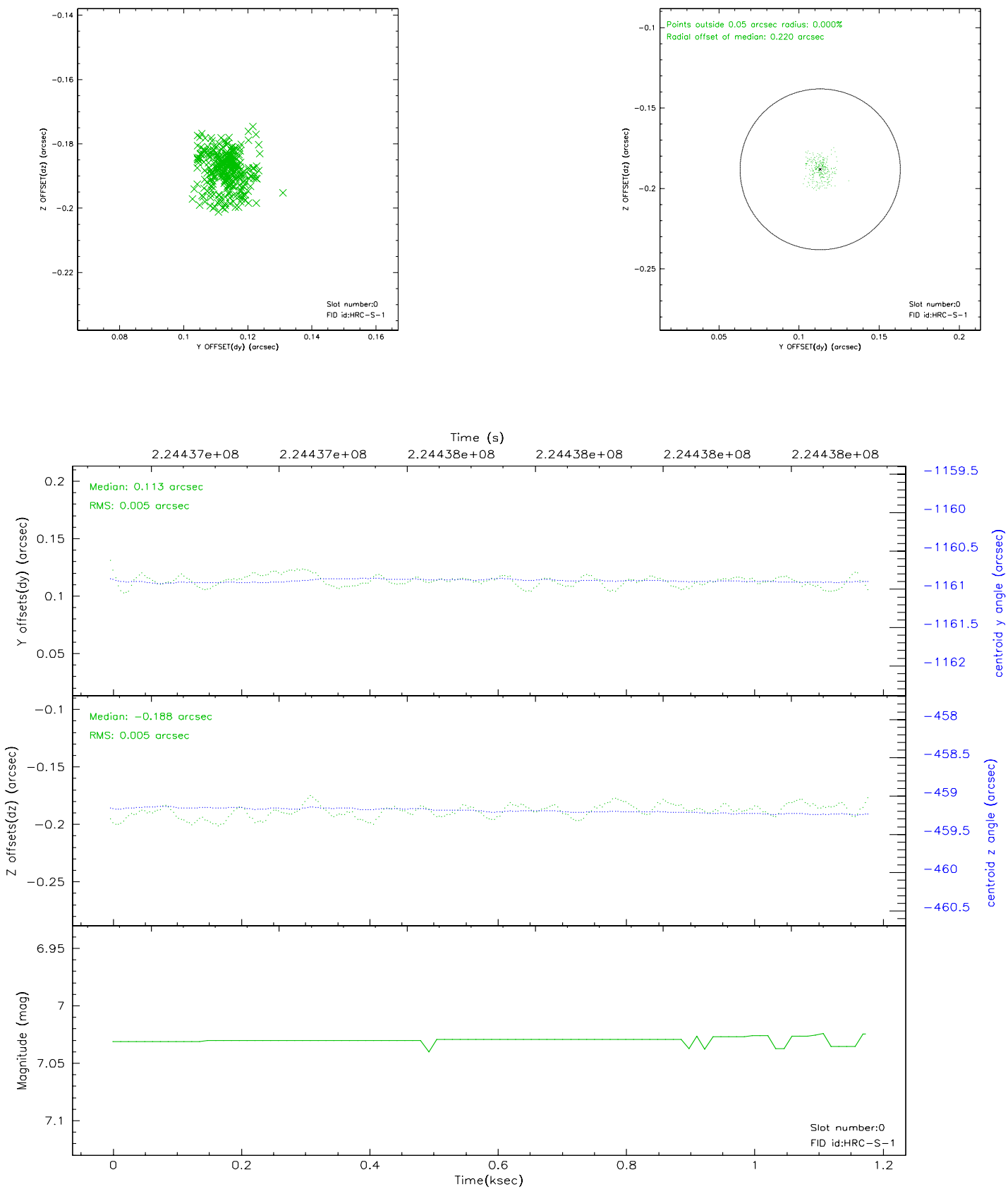


## 2.4.5 Slot 7

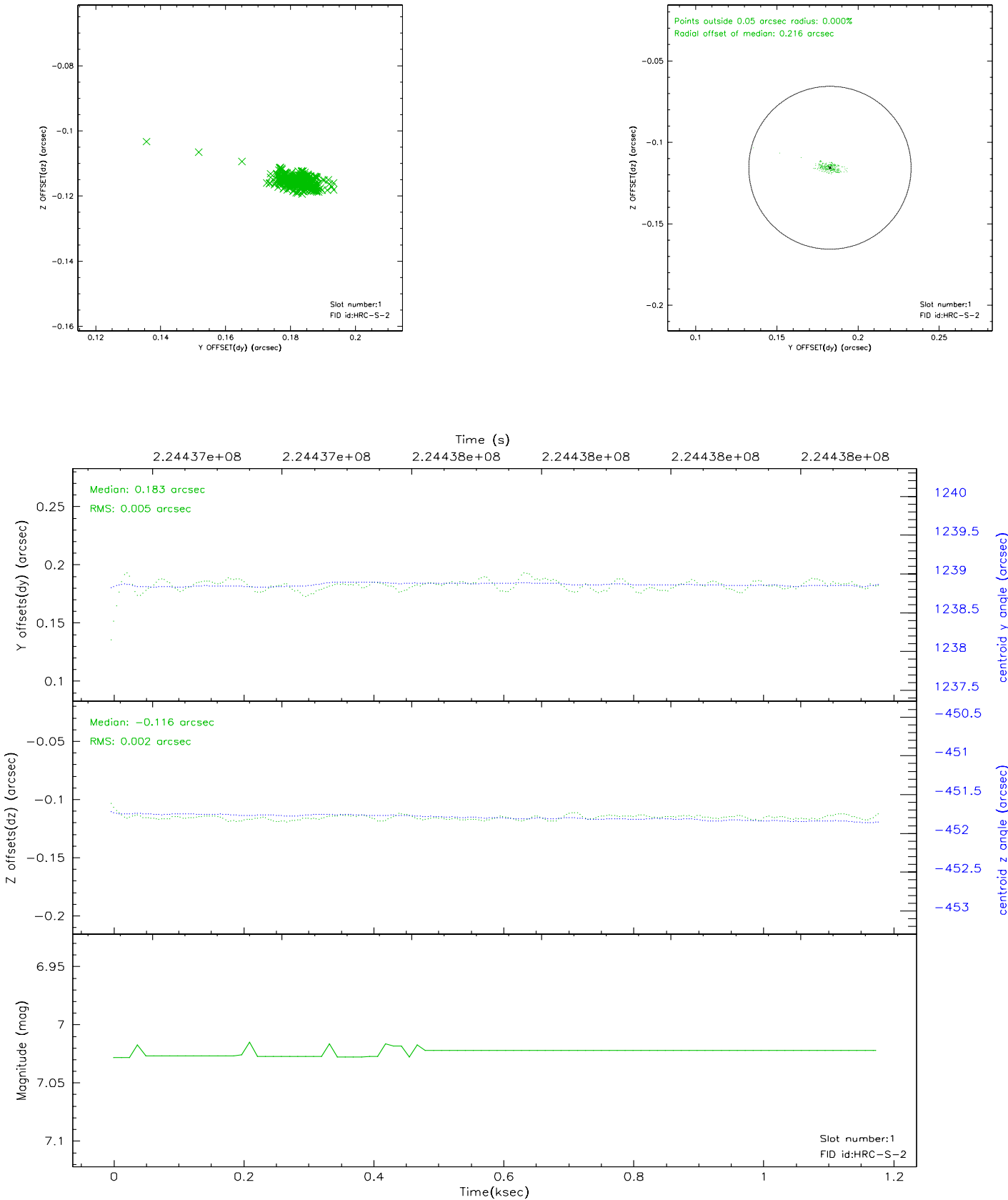


## 2.5 FID Slots

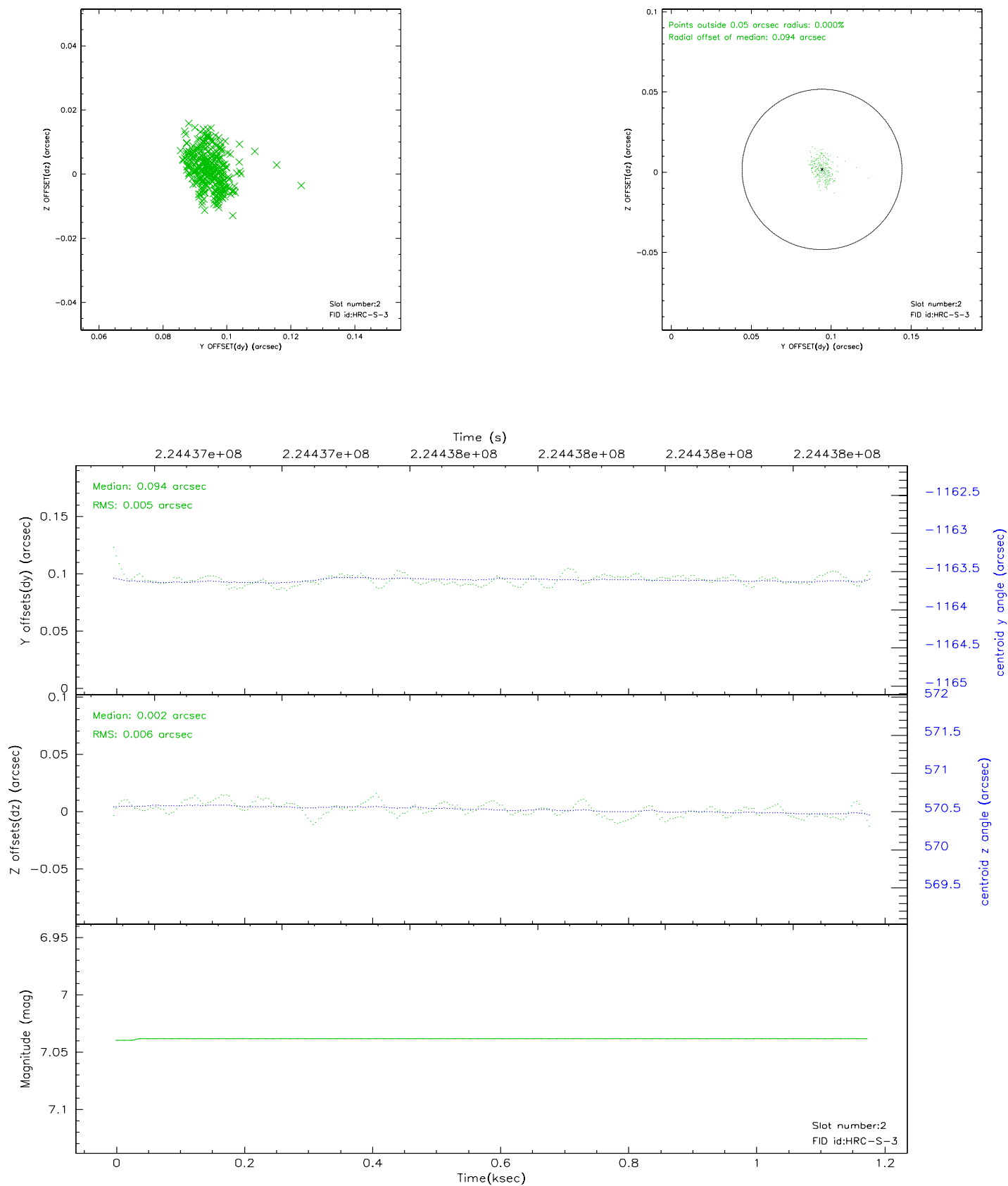
### 2.5.1 Slot 0



2.5.2 Slot 1

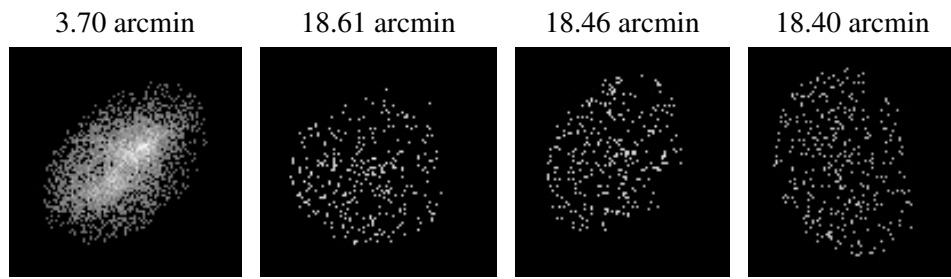


## 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.02.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.153381

### A.2 Comments