

# V&V Reference Report

## L2 ASCDS Version : 7.6.10

Observation 2353 - L2 Version 5  
Chandra X-Ray Center

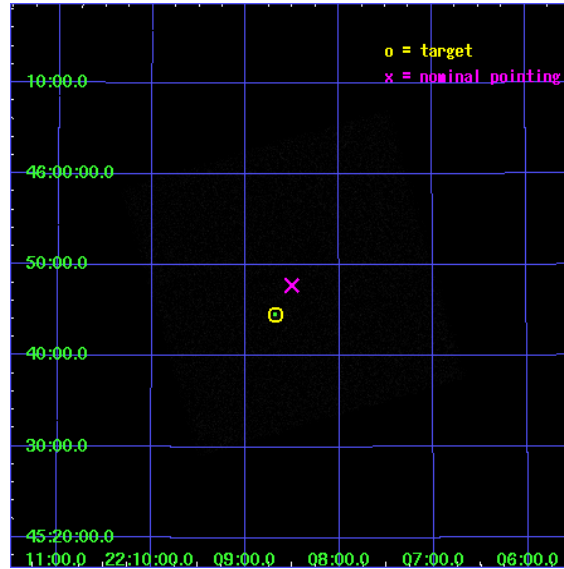
L2 Processing Date : Nov 21 2007

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# 1 Front

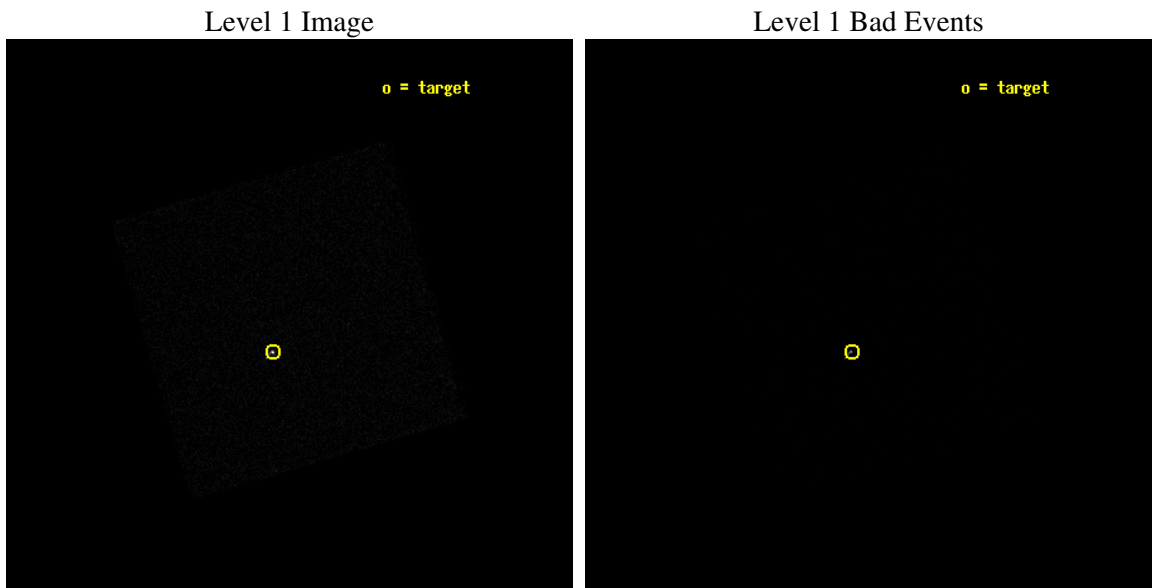
seq_num	290100
obs_id	2353
title	HRC-I CALIBRATION OBSERVATIONS OF ARLAC
observer	Dr. CXC Calibration
object	ARLAC,HRC-I,AO2A
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.1261795806
dec_nom	45.796643335191
roll_nom	298.72469680534
revision	5
ontime	1192.3312955797
livetime	1186.4855464235
l2events	34164



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	0
ascdsver	7.6.11.2
caldbver	3.4.1
date	2007-11-21T04:46:54
revision	4

sched_exp_time	1000.000000
ontime	1192.3312955797
l1events	60539

### 2.1.3 Events

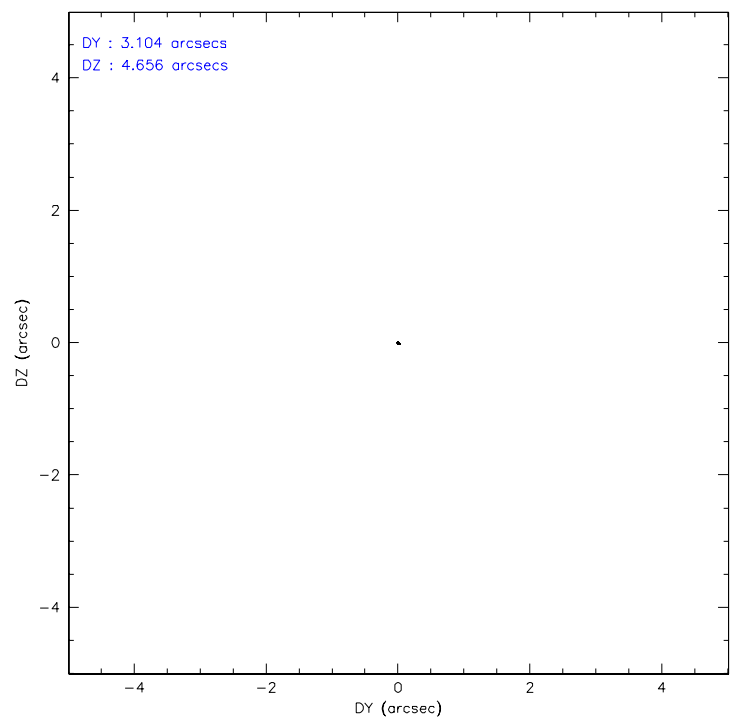
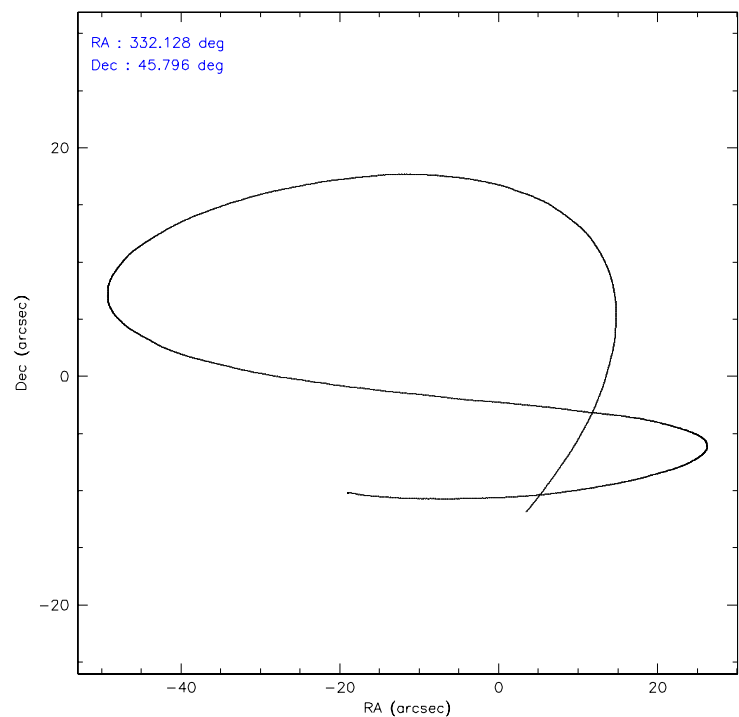
#### Level 1 Events

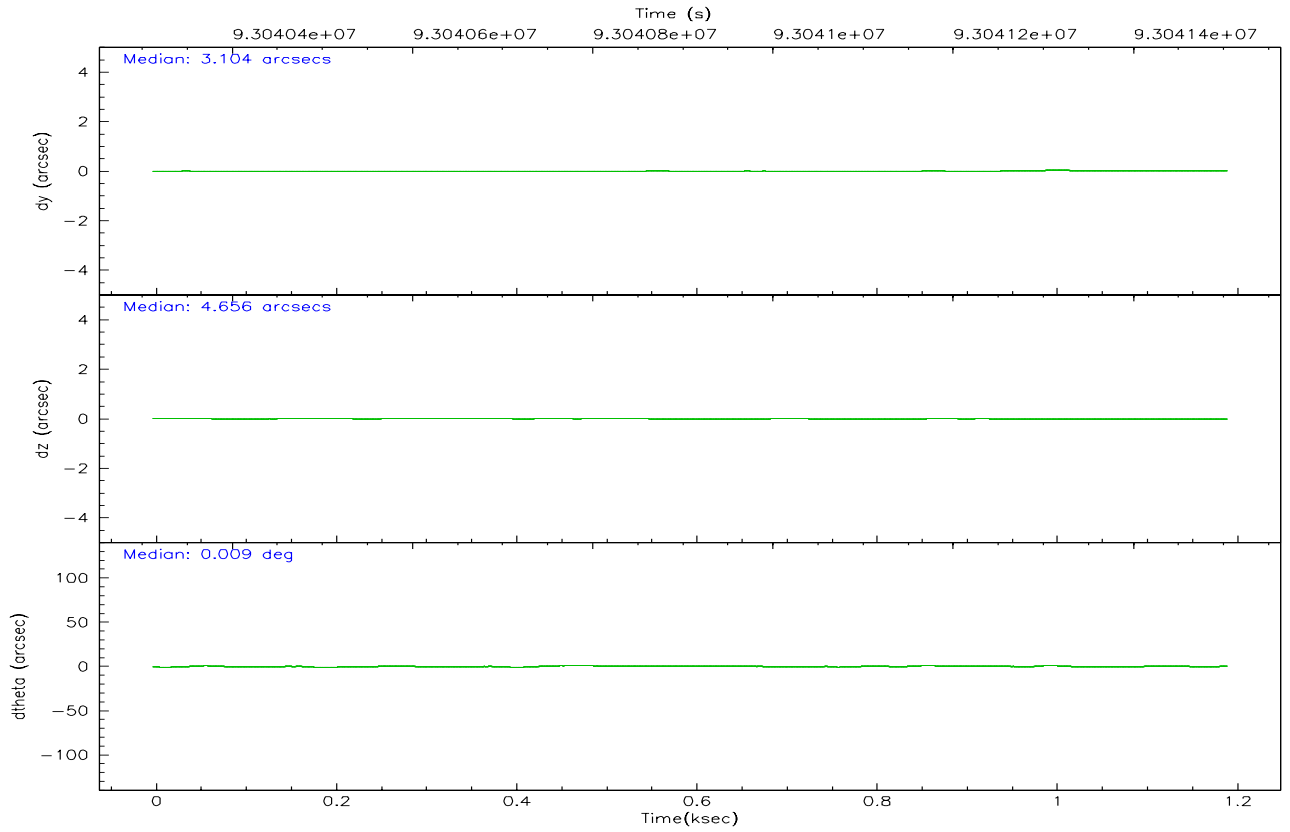
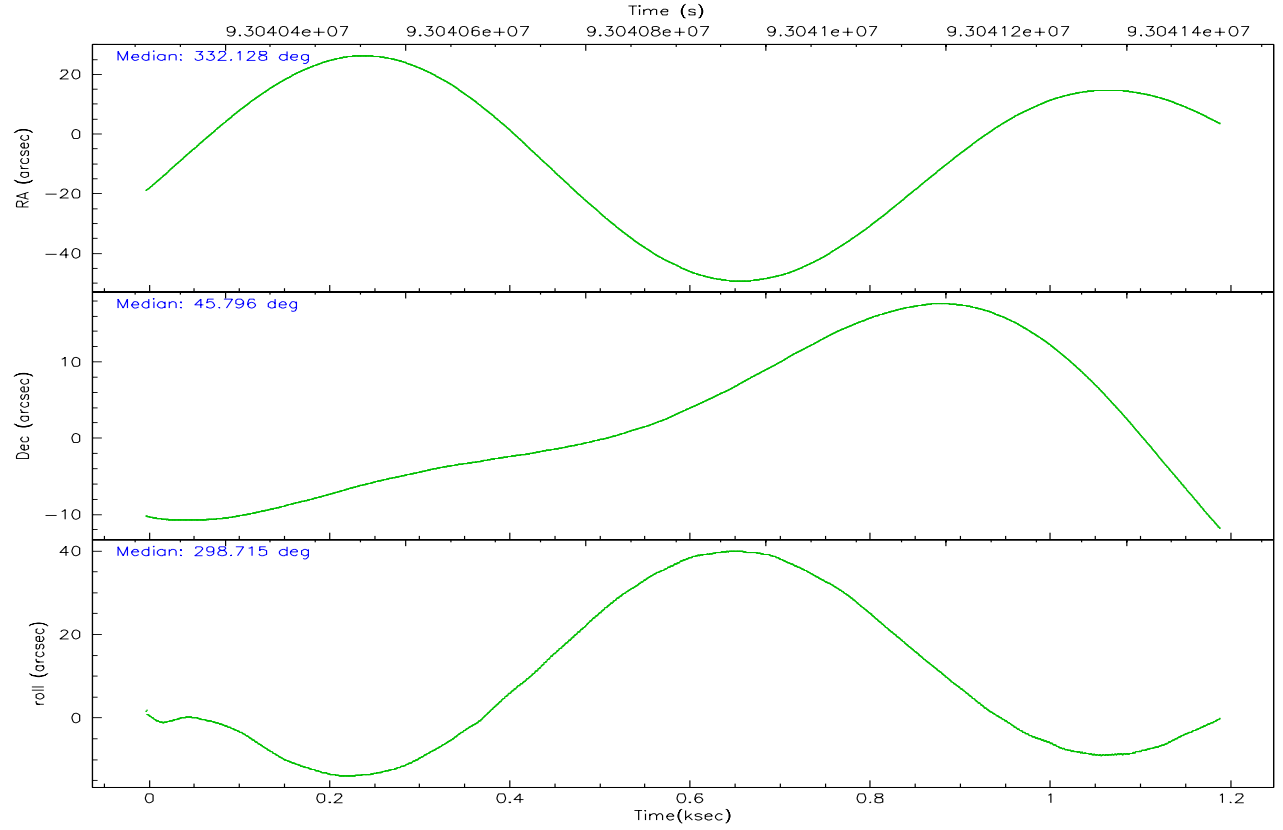
	<b>segment 0</b>
level 1 events	60539
rejected events	12958
rejected %	21%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	6	6
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
Pointing RA	332.090883	332.1261795806033			
Pointing Dec	45.810102	45.79664333519124			
Pointing Roll	298.845531	298.724696805344			
SIM focus pos (mm)	-1.040293	-1.038866356238299			
SIM defocus (mm)	0	0.001426264420575141			
SIM translation stage pos (mm)	126.985494	126.9854943052878			
SIM translation stage offset (mm)	0	-5.413686238853188e-06			
Observation start time	93040501.184000	93040124.462973			
Observation start date	2000-12-12T20:33:57	2000-12-12T20:28:44			
Observation end time	93041501.184000	93041634.800531			
Observation end date	2000-12-12T20:50:37	2000-12-12T20:53:54			

## 2.3 Aspect





### Slot Statistics

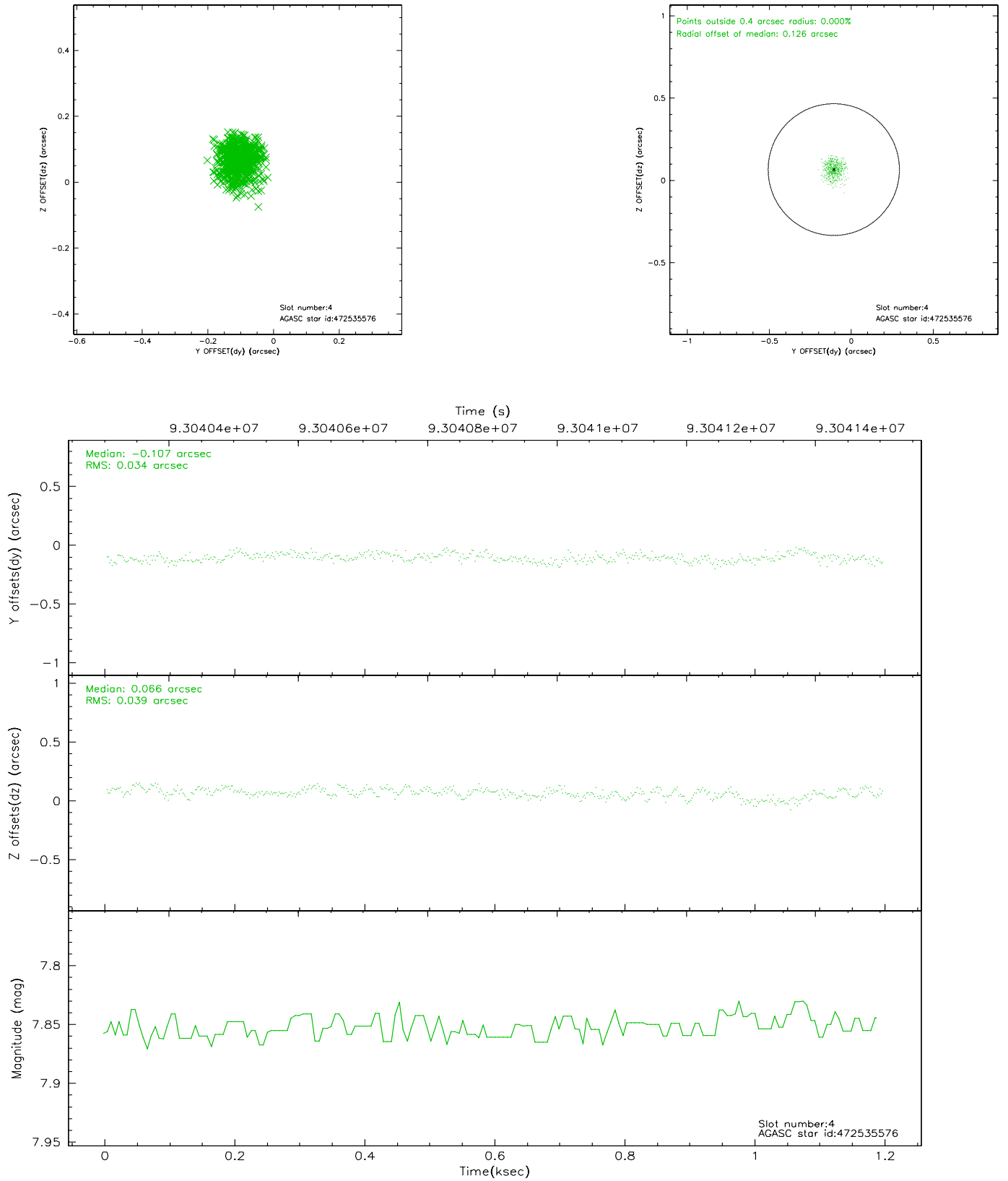
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.96	291	0.048	0.065	0.008	0.014	0.000000	0.000000	-758.55	-1292.41
1	FID	HRC-I-3	7.05	291	0.031	-0.098	0.008	0.013	0.000000	0.000000	-1189.64	1007.55
2	FID	HRC-I-4	6.99	291	0.036	-0.057	0.005	0.009	0.000000	0.000000	1280.16	1013.08
3	GUIDE	472525528	6.64	583	0.008	0.030	0.077	0.149	331.551102	45.248694	1105.44	-2175.80
4	GUIDE	472535576	7.85	583	-0.107	0.066	0.057	0.086	331.438373	46.291802	-2307.13	-590.65
5	GUIDE	472523760	8.23	583	-0.007	-0.118	0.069	0.104	331.645363	45.403260	732.01	-1697.30
6	GUIDE	472665256	9.02	582	-0.111	-0.132	0.078	0.132	332.808125	46.195041	-358.83	2230.16
7	GUIDE	472646552	9.63	581	0.199	0.158	0.111	0.182	333.120915	45.571877	1987.18	1867.45



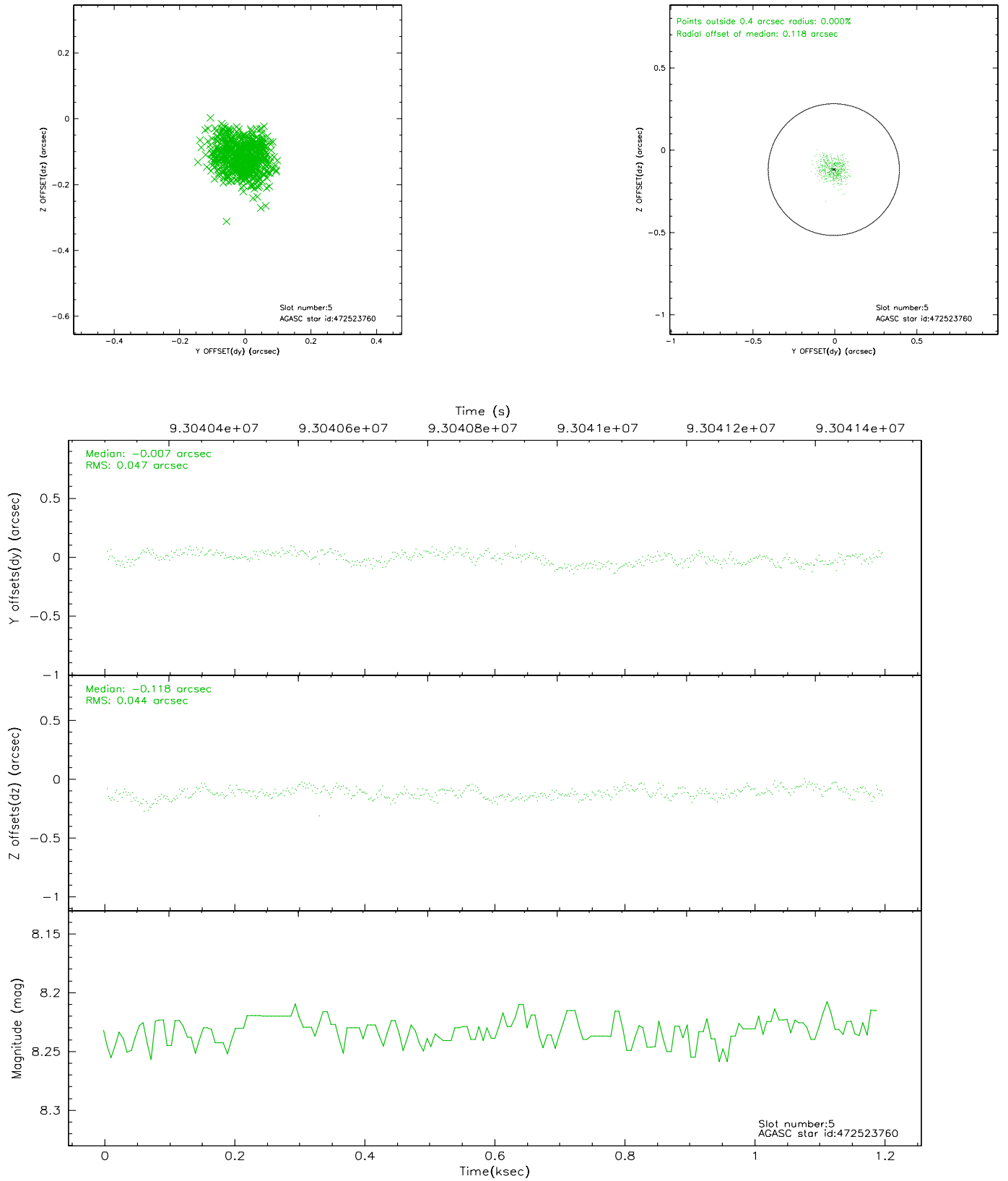
### 2.4.1 Slot 3



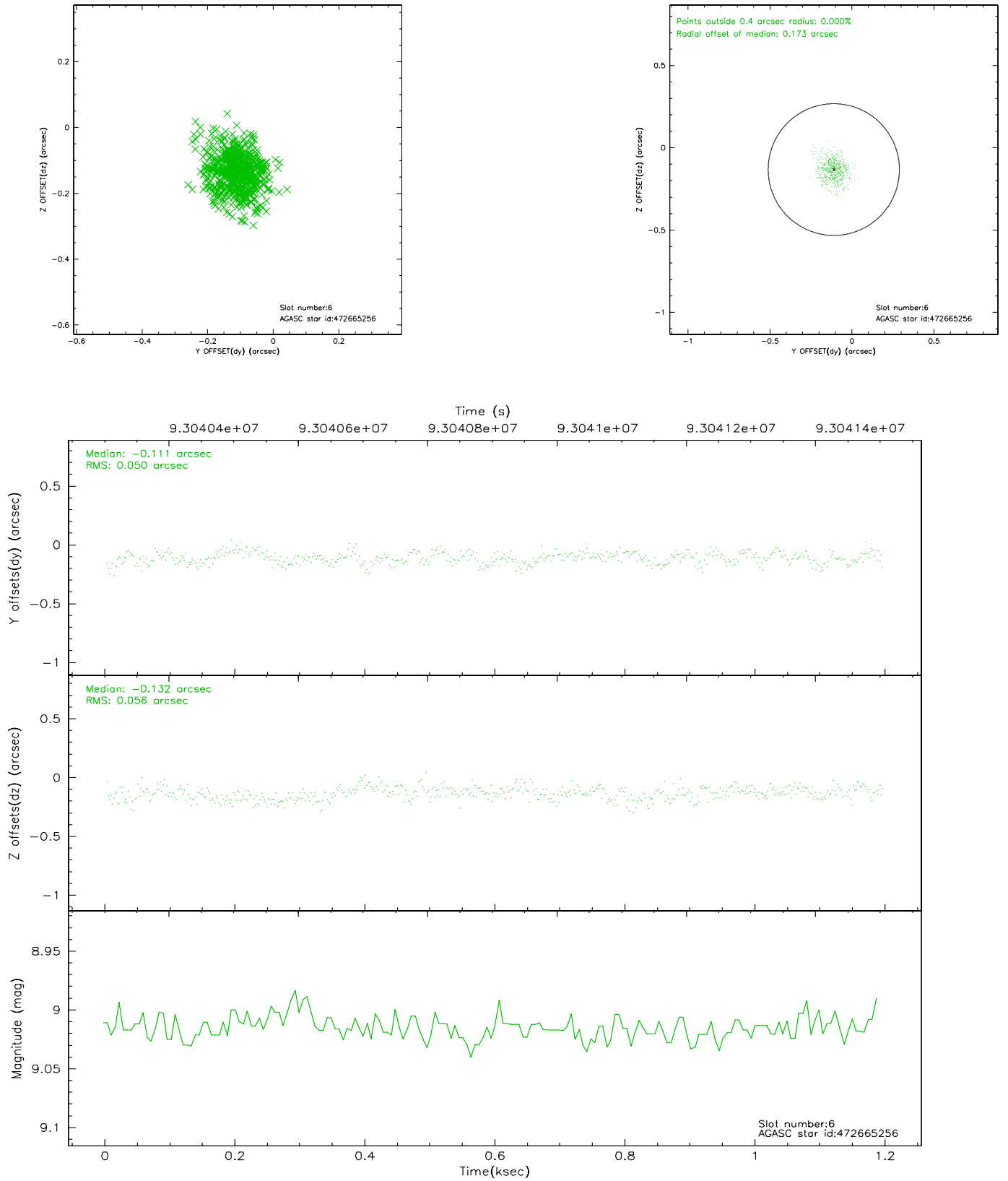
## 2.4.2 Slot 4



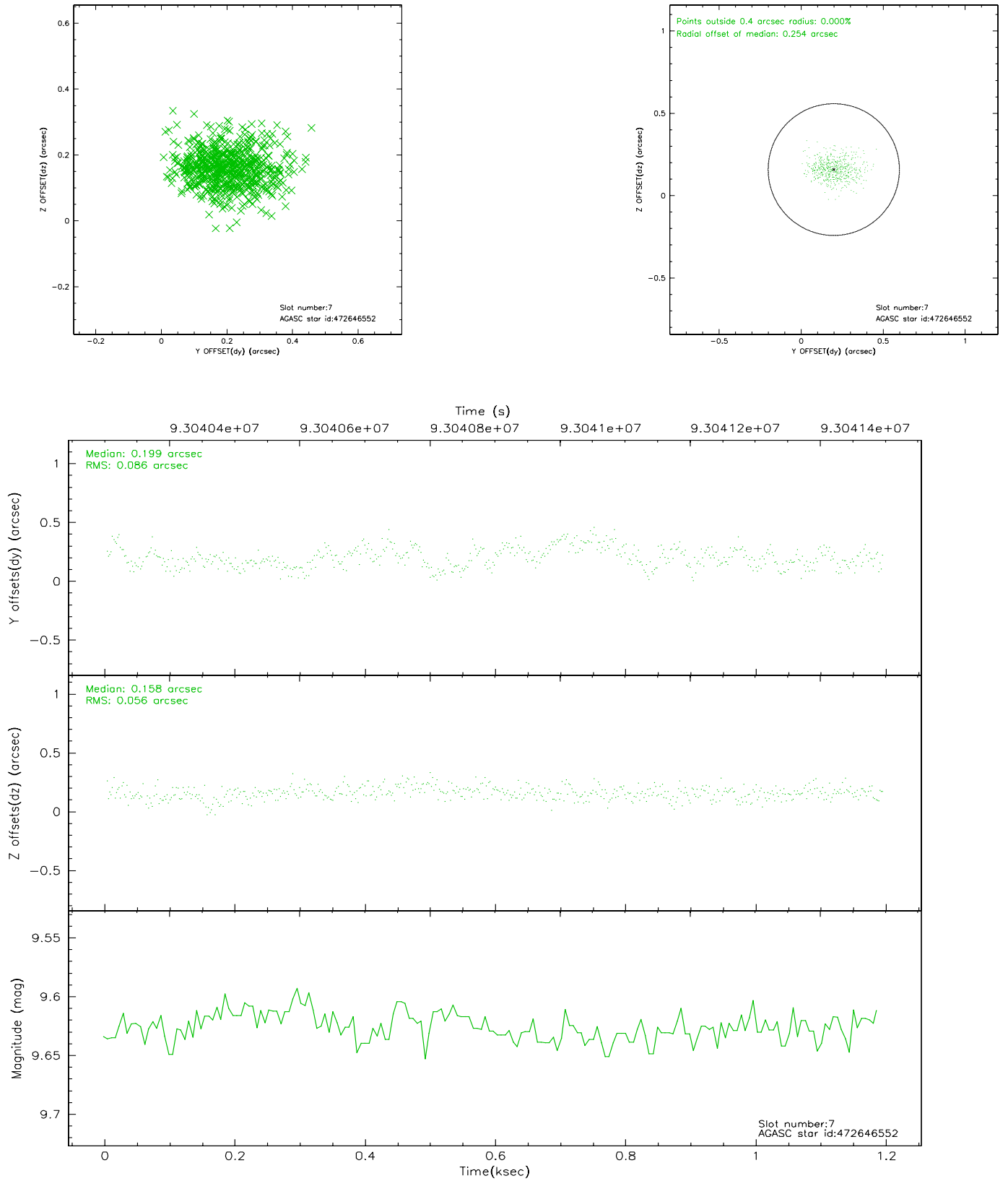
### 2.4.3 Slot 5



## 2.4.4 Slot 6

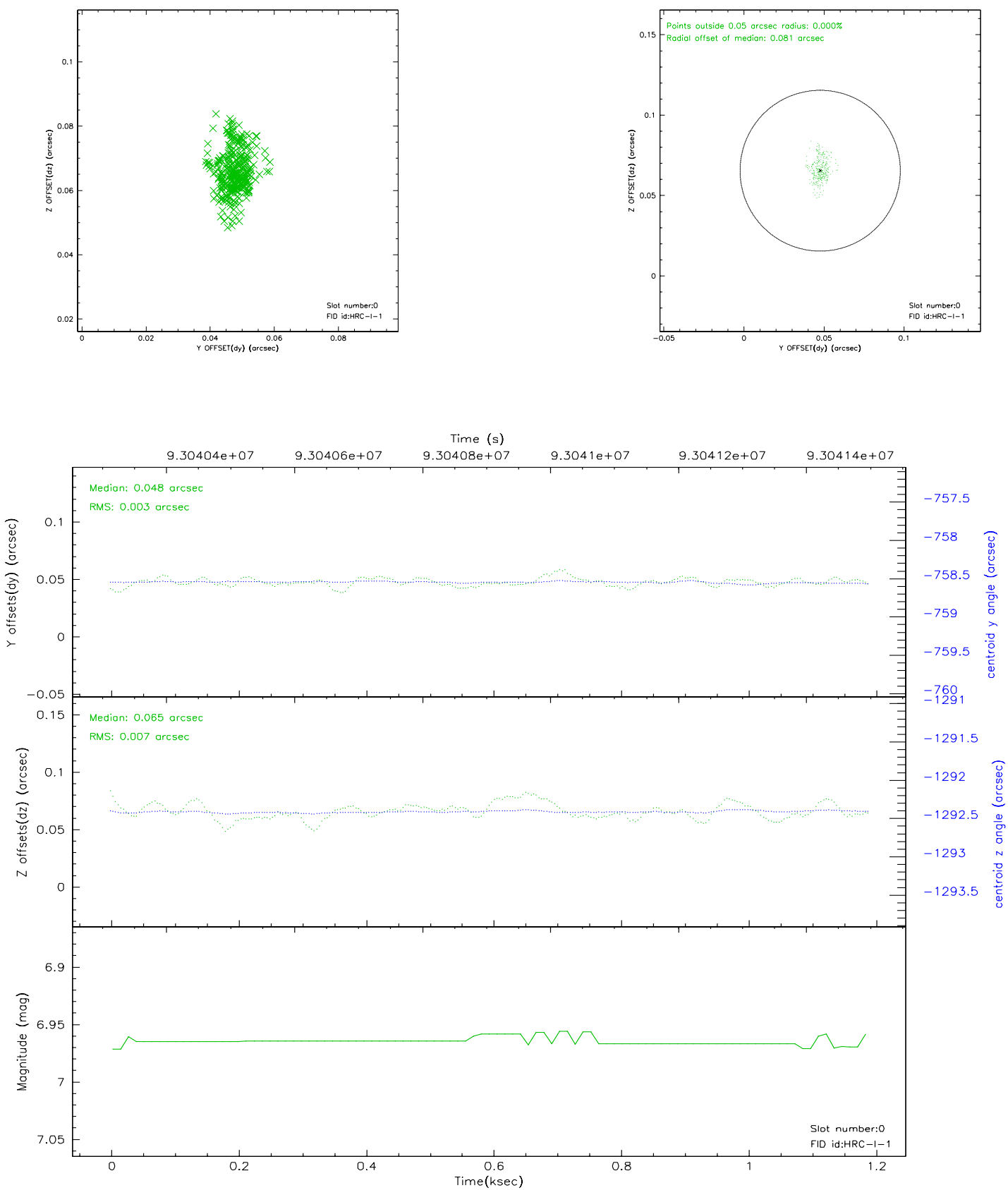


## 2.4.5 Slot 7

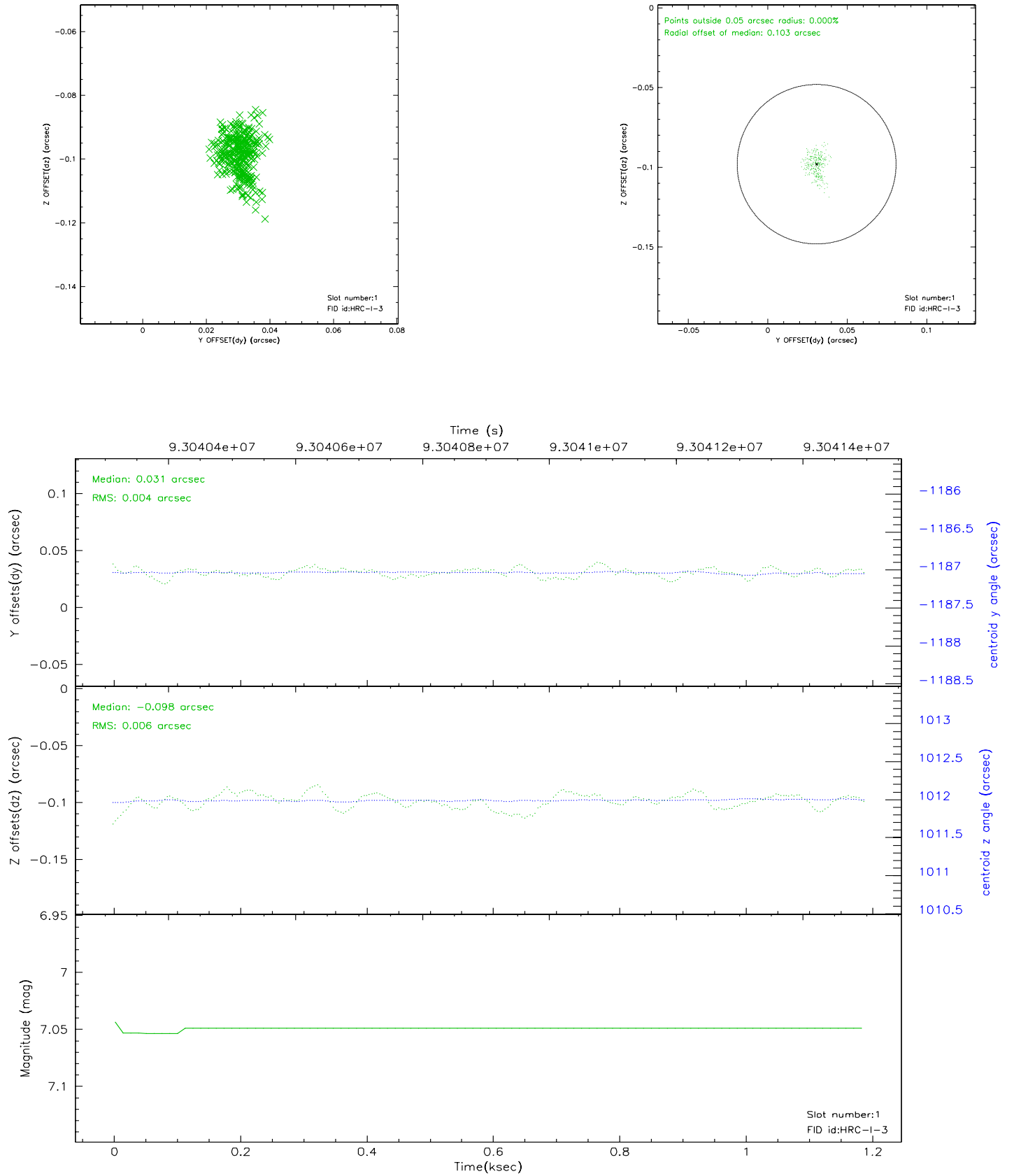


## 2.5 FID Slots

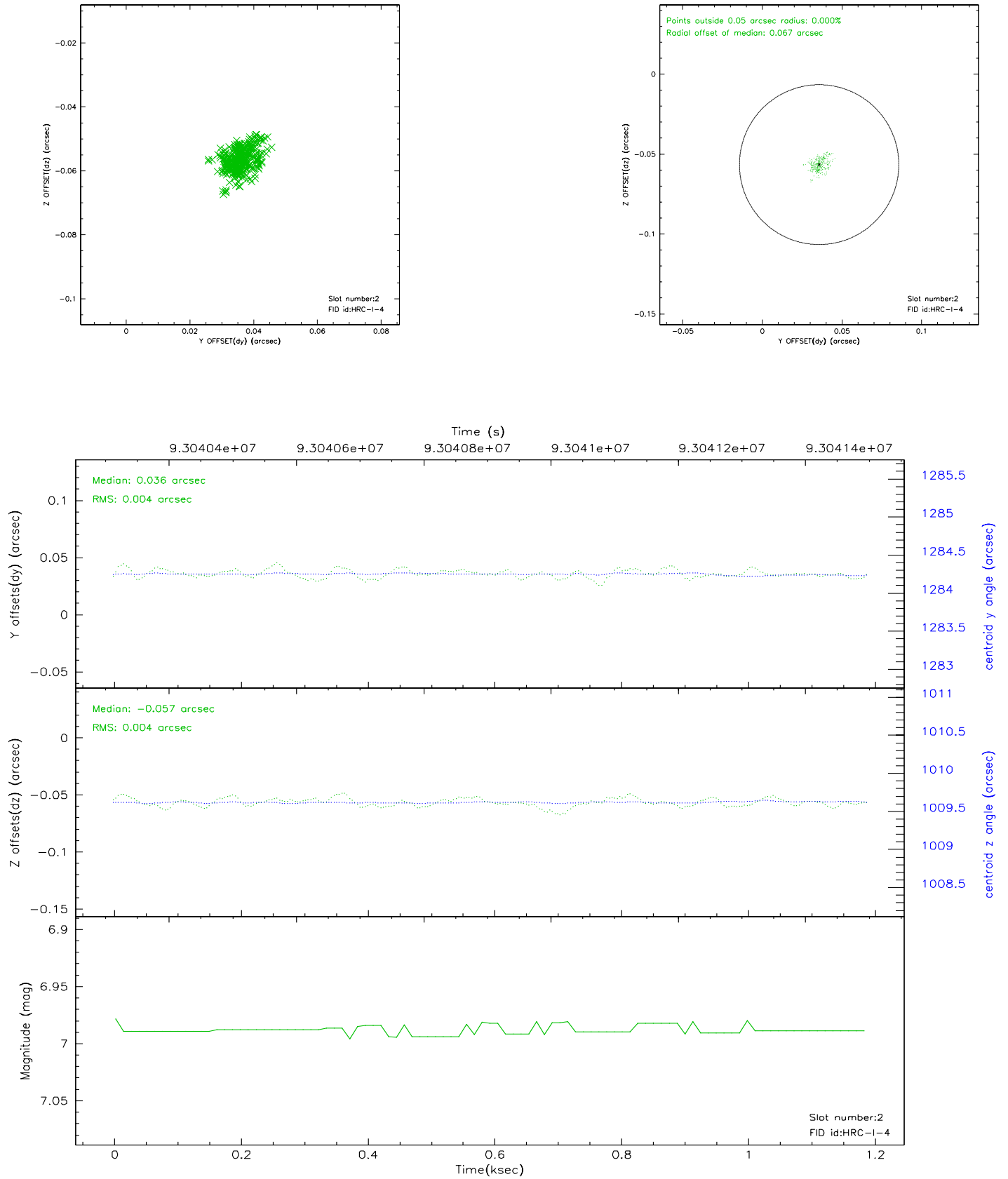
### 2.5.1 Slot 0



## 2.5.2 Slot 1



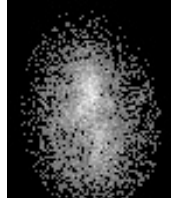
### 2.5.3 Slot 2





### 3 Point Sources

3.74 arcmin



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.12.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.192

## A.2 Comments

The current observation has been reprocessed as part of Repro III ('C' supplement) the purpose of which is to update all HRC-I ObsIDs since Jan 2000 to the latest calibrations available for that configuration. Specifically, we are updating the DEGAP solution and the Gain Maps applied. For more information see the Repro IIIC web page at

<http://asc.harvard.edu/cda/repro3.html#IIIC>

and the associated links.