

# V&V Reference Report

## L2 ASCDS Version : 7.6.8.1

Observation 2619 - L2 Version 3  
Chandra X-Ray Center

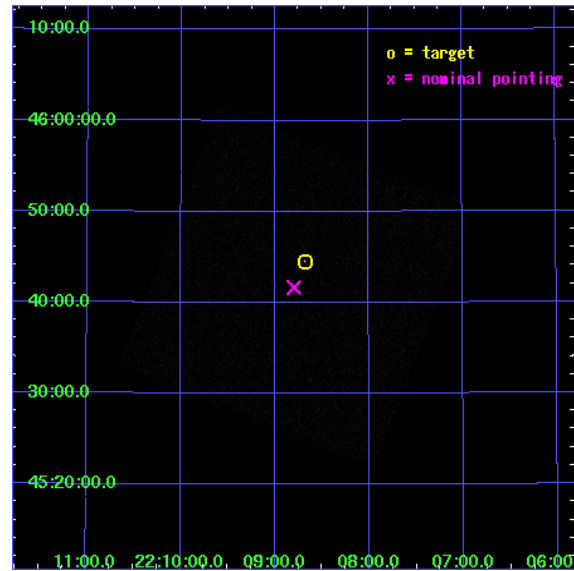
L2 Processing Date : Nov 21 2007

## Contents

<b>1</b>	<b>Front</b>	<b>2</b>
<b>2</b>	<b>OBI</b>	<b>3</b>
2.1	OBI . . . . .	3
2.1.1	Images . . . . .	3
2.1.2	Parameters . . . . .	4
2.1.3	Events . . . . .	4
2.2	Compared Parameters . . . . .	5
2.3	Aspect . . . . .	6
2.4	Star Slots . . . . .	9
2.4.1	Slot 3 . . . . .	9
2.4.2	Slot 4 . . . . .	10
2.4.3	Slot 5 . . . . .	11
2.4.4	Slot 6 . . . . .	12
2.4.5	Slot 7 . . . . .	13
2.5	FID Slots . . . . .	14
2.5.1	Slot 0 . . . . .	14
2.5.2	Slot 1 . . . . .	15
2.5.3	Slot 2 . . . . .	16
<b>3</b>	<b>Point Sources</b>	<b>17</b>
<b>A</b>	<b>Summary</b>	<b>18</b>
A.1	Status . . . . .	18
A.2	Comments . . . . .	18

# 1 Front

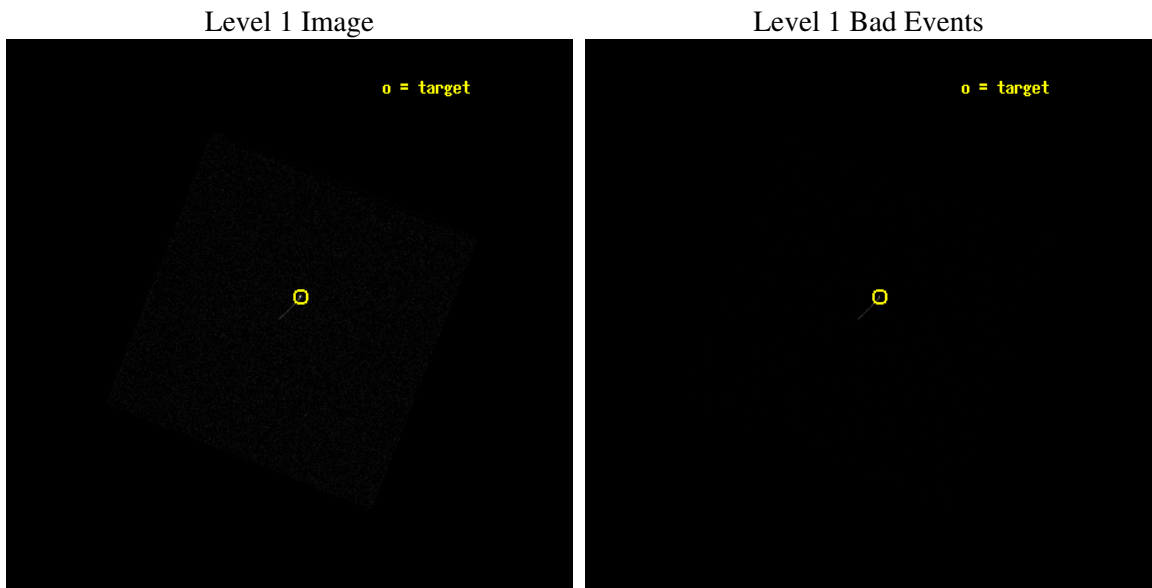
seq_num	290175
obs_id	2619
title	AO3 HRC-I CALIBRATION OBSERVATION: MINI-SCAN OF ARLAC
observer	Dr. CXC Calibration
object	ARLAC
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.19923453278
dec_nom	45.694413647413
roll_nom	336.57757179015
revision	3
ontime	1194.1250481009
livetime	1187.4768103315
l2events	37080



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	1
ascdsver	7.6.11.2
caldbver	3.4.1
date	2007-11-21T18:22:46
revision	3

sched_exp_time	1000.000000
ontime	1194.1250481009
l1events	67638

### 2.1.3 Events

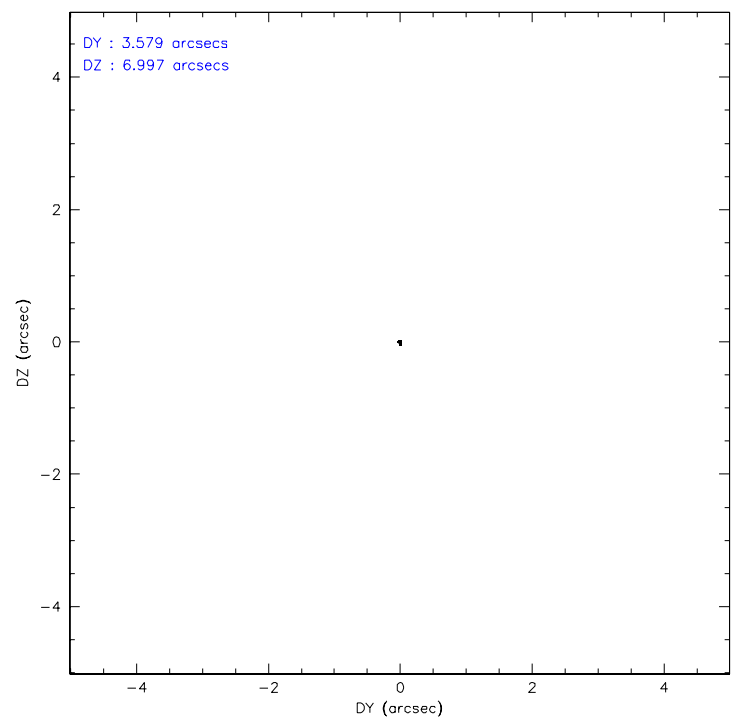
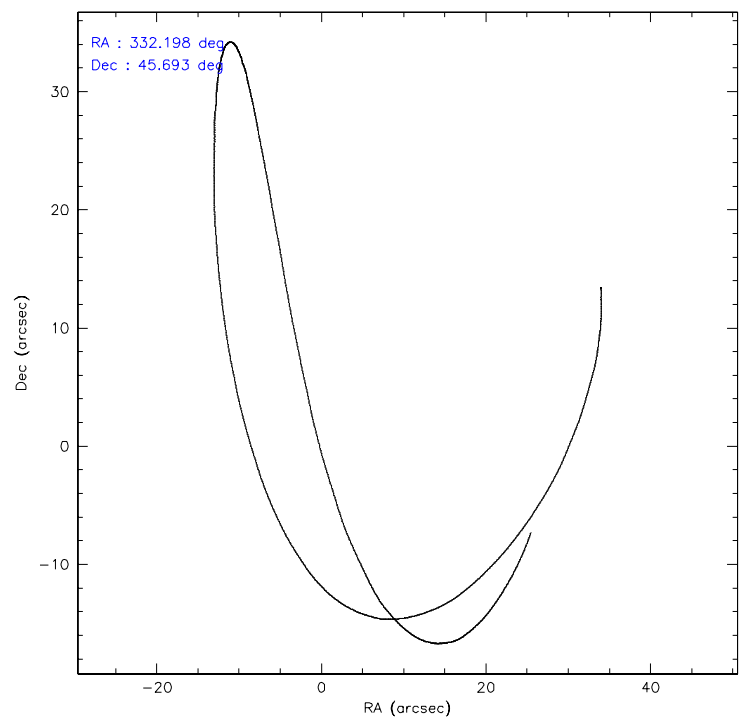
#### Level 1 Events

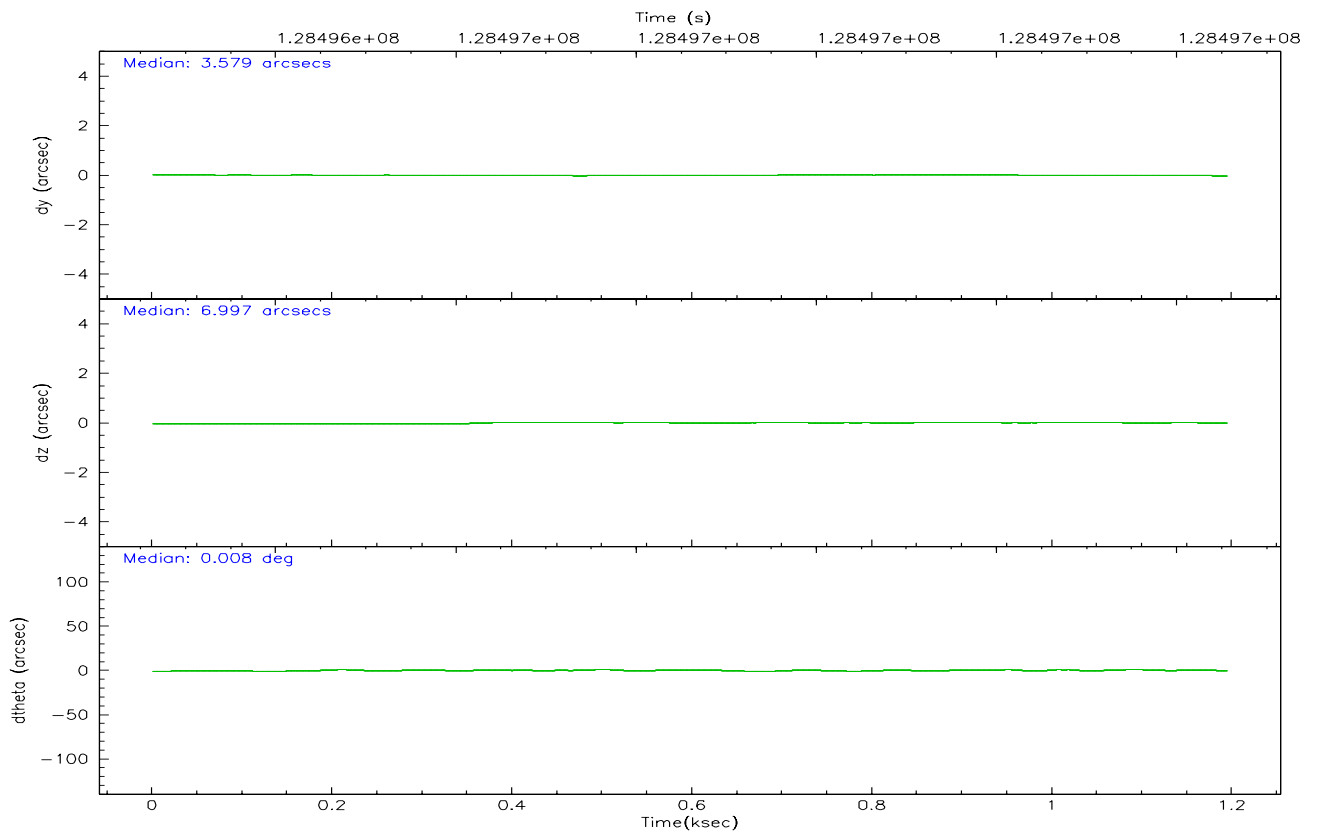
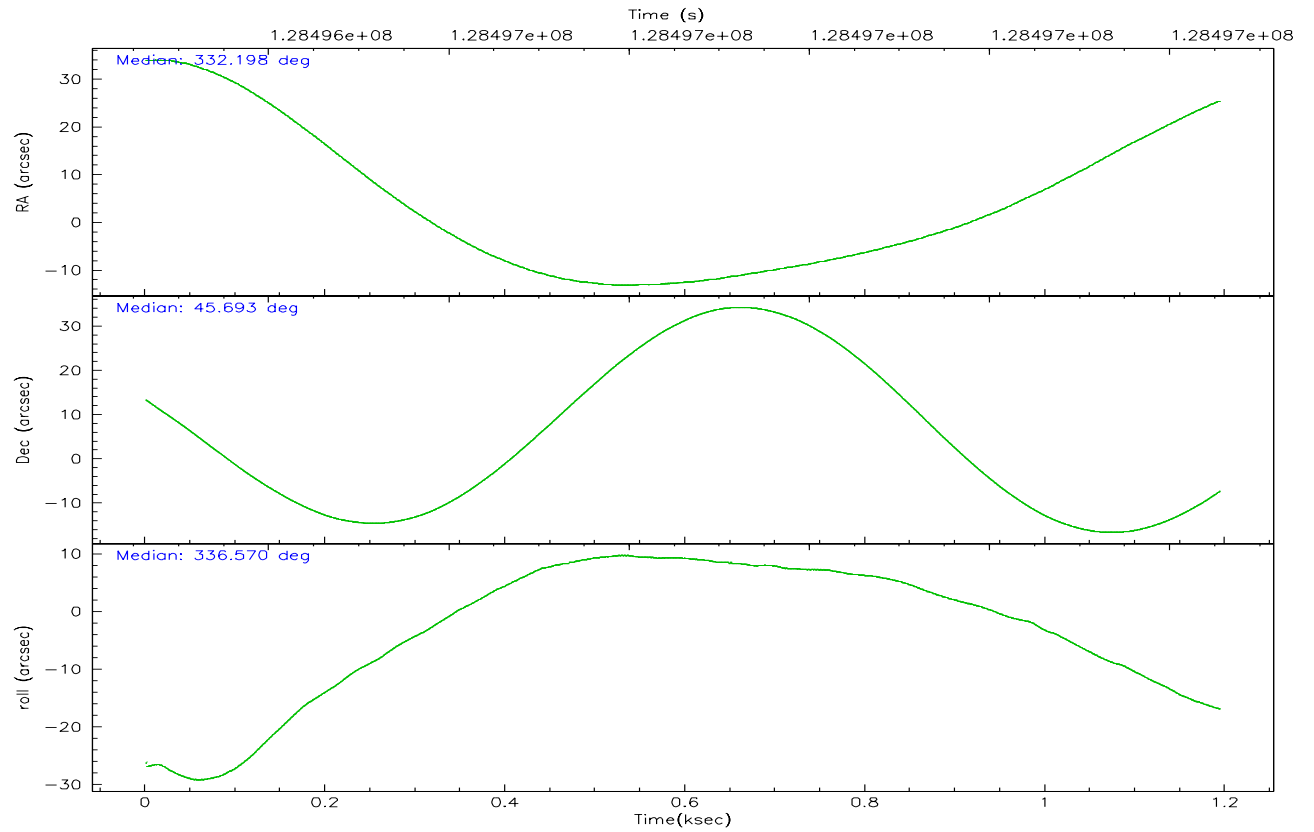
	<b>segment 0</b>
level 1 events	67638
rejected events	14058
rejected %	20%

## 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	332.160655	332.1992345327796			
Pointing Dec	45.691772	45.69441364741275			
Pointing Roll	336.700650	336.5775717901473			
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	128496459.184000	128496083.30299			
Observation start date	2002-01-27T05:26:35	2002-01-27T05:21:23			
Observation end time	128497459.184000	128497593.12805			
Observation end date	2002-01-27T05:43:15	2002-01-27T05:46:33			

2.3 Aspect





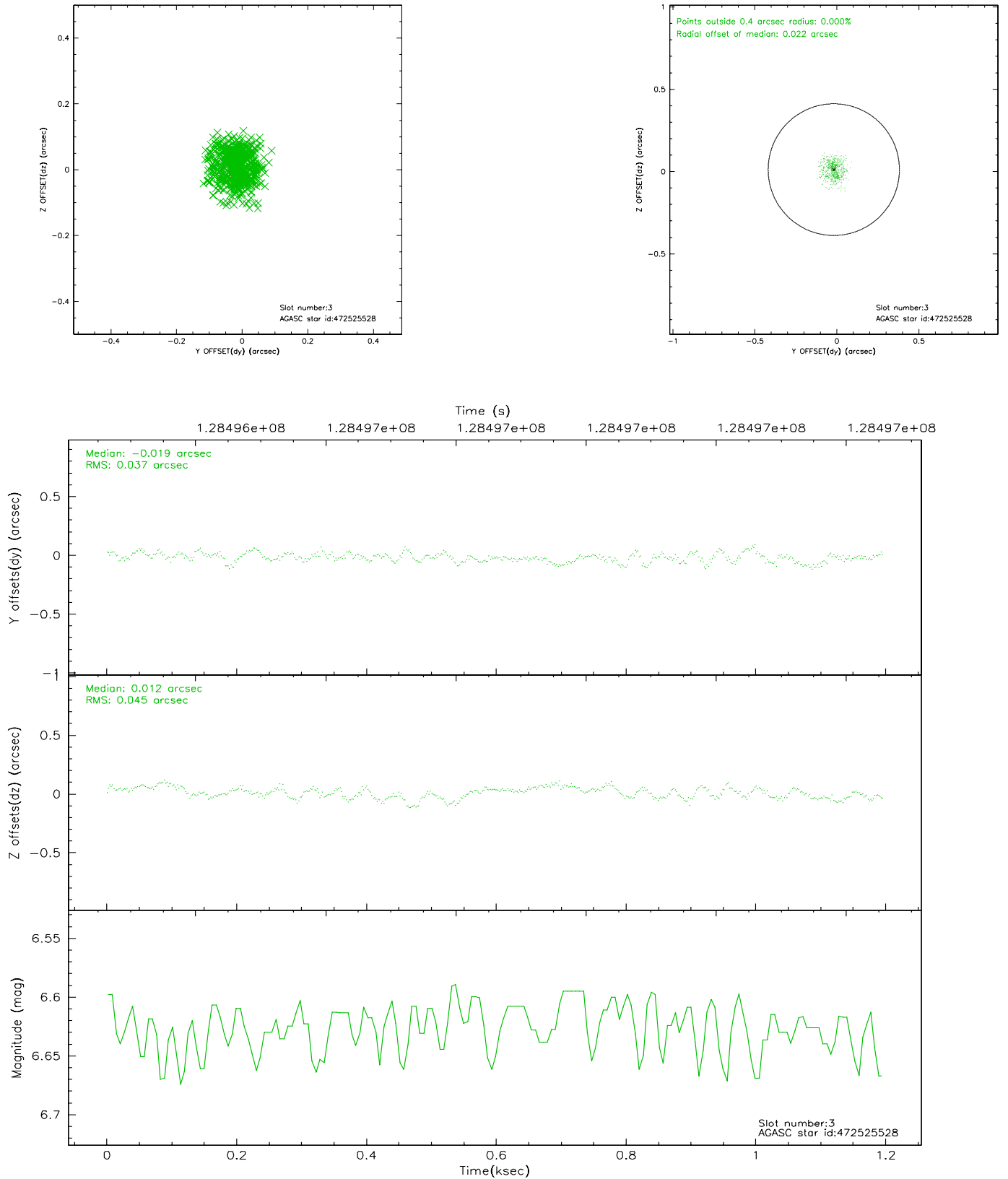
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-2	7.00	292	0.081	-0.007	0.006	0.010	0.000000	0.000000	853.66	-1296.45
1	FID	HRC-I-3	7.05	292	-0.001	0.005	0.006	0.010	0.000000	0.000000	-1184.64	1005.24
2	FID	HRC-I-4	6.99	292	0.039	-0.085	0.006	0.009	0.000000	0.000000	1279.70	1010.65
3	GUIDE	472525528	6.63	584	-0.019	0.012	0.063	0.099	331.551102	45.248694	-791.67	-2068.07
4	GUIDE	472523760	8.23	583	-0.048	-0.087	0.068	0.137	331.645363	45.403260	-789.87	-1466.35
5	GUIDE	472665256	9.02	583	-0.047	-0.019	0.099	0.164	332.808125	46.195041	759.34	2308.56
6	GUIDE	472659832	9.47	584	0.098	0.078	0.119	0.207	332.780399	46.098139	839.46	1967.96
7	GUIDE	472654568	9.43	583	0.022	0.025	0.095	0.156	332.194449	45.063576	973.66	-2036.82

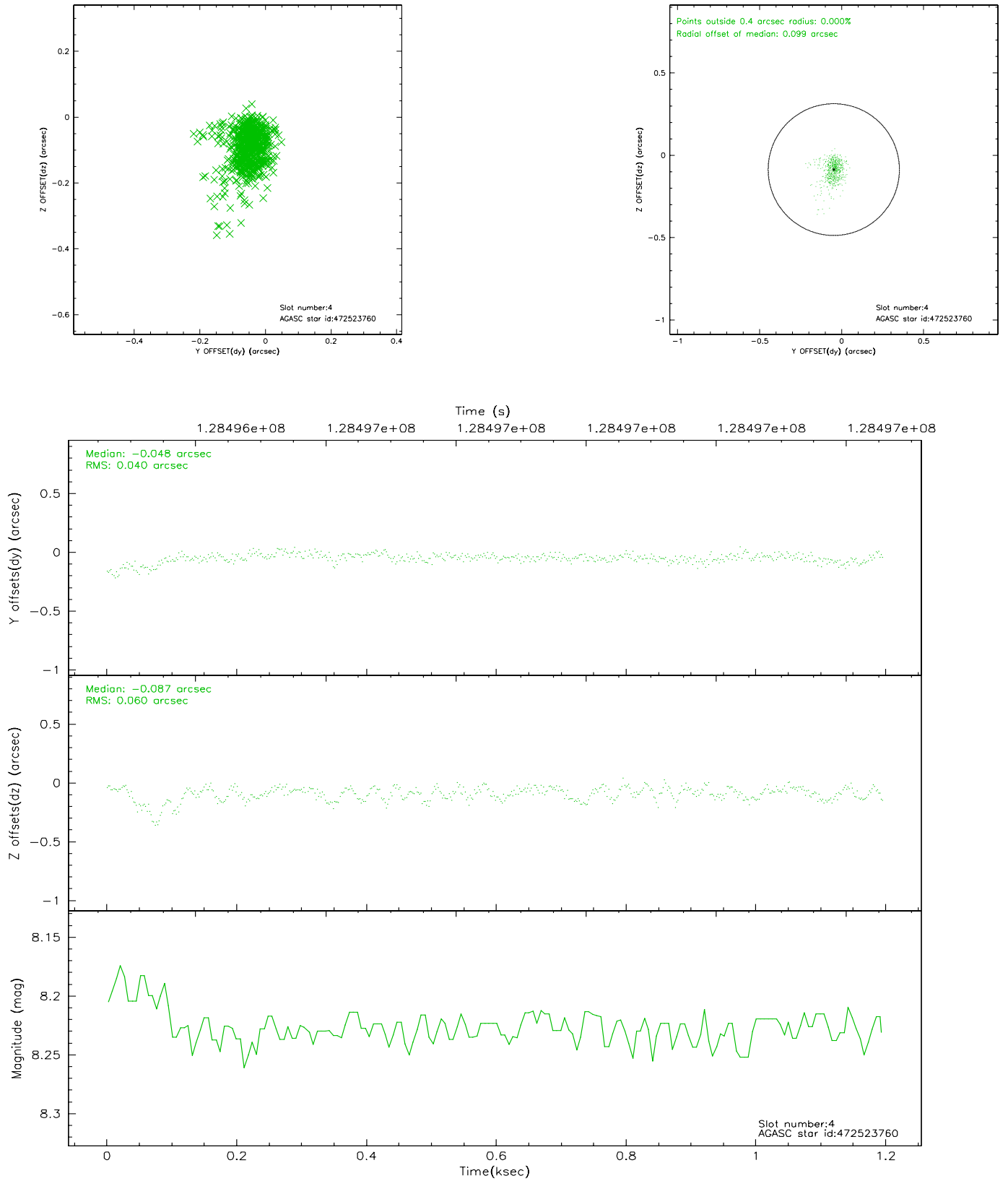


## 2.4 Star Slots

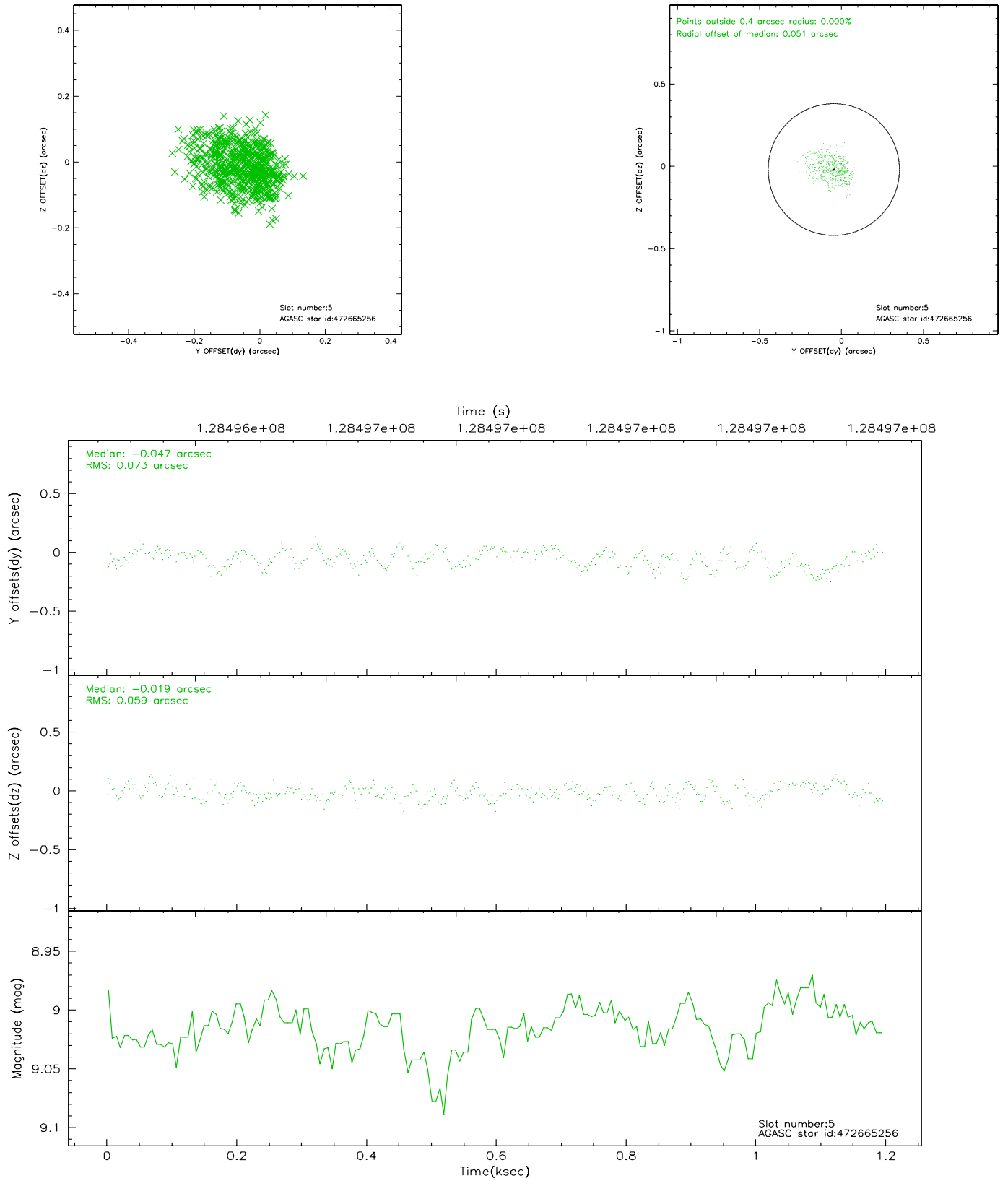
### 2.4.1 Slot 3



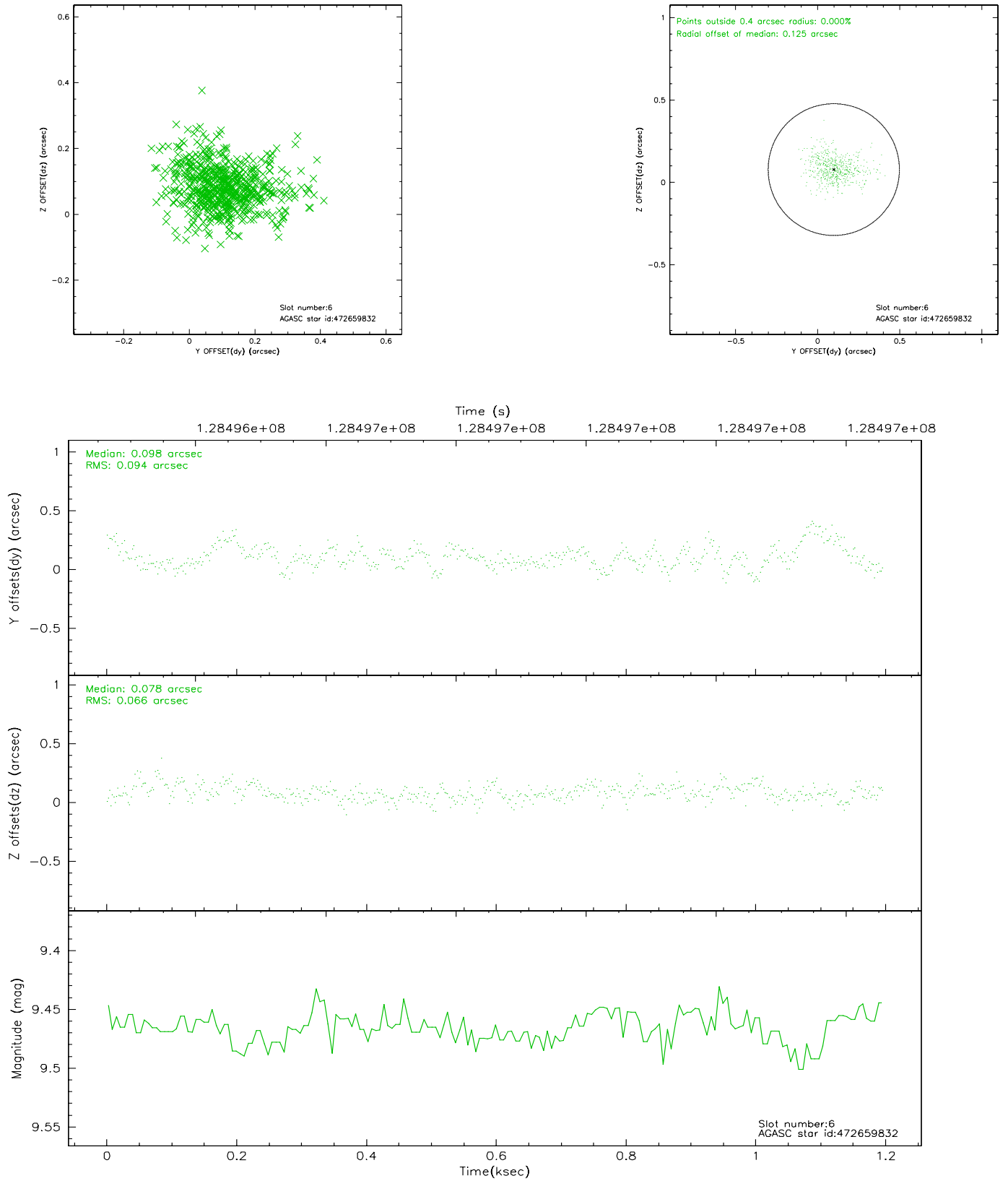
## 2.4.2 Slot 4



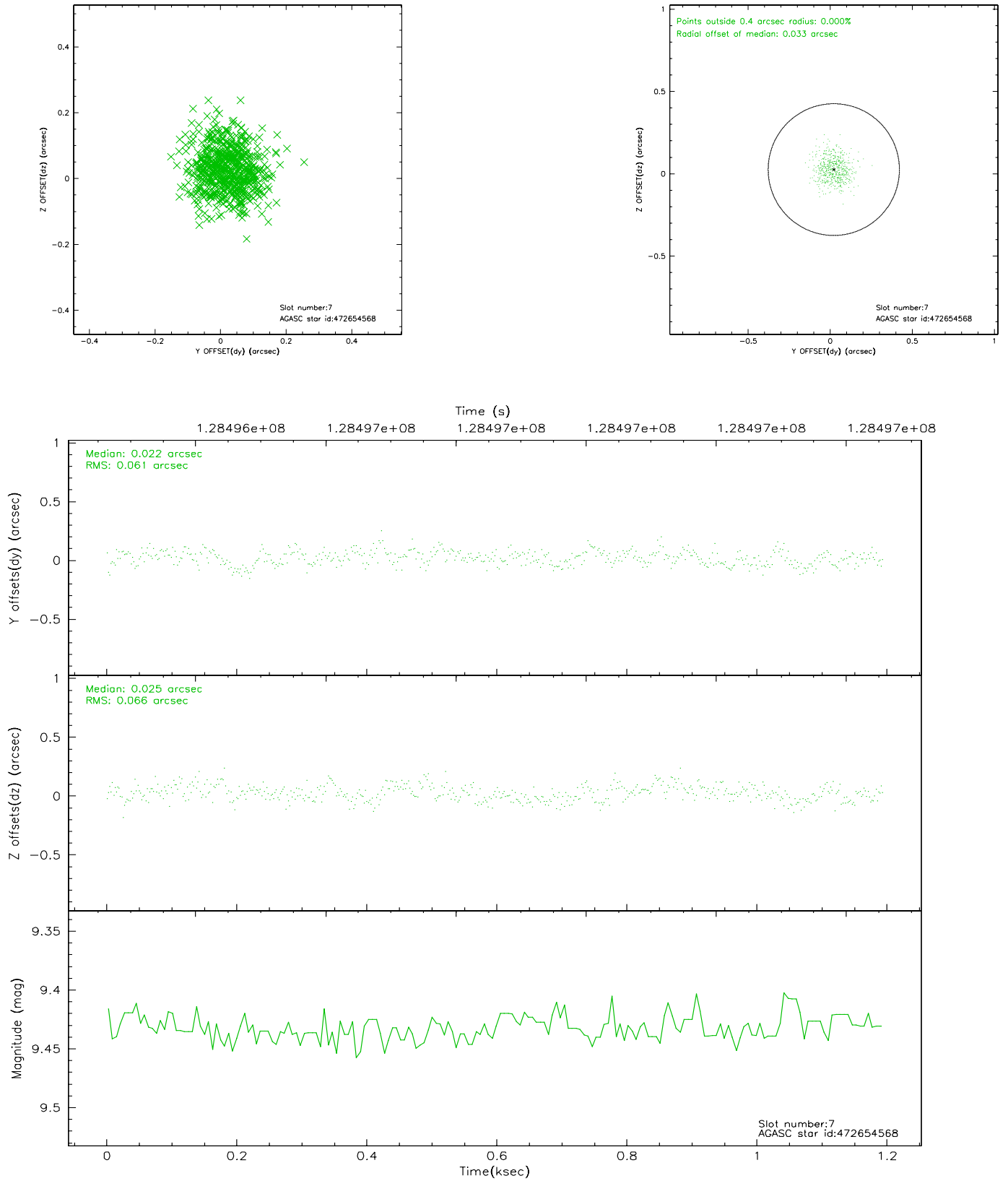
### 2.4.3 Slot 5



## 2.4.4 Slot 6

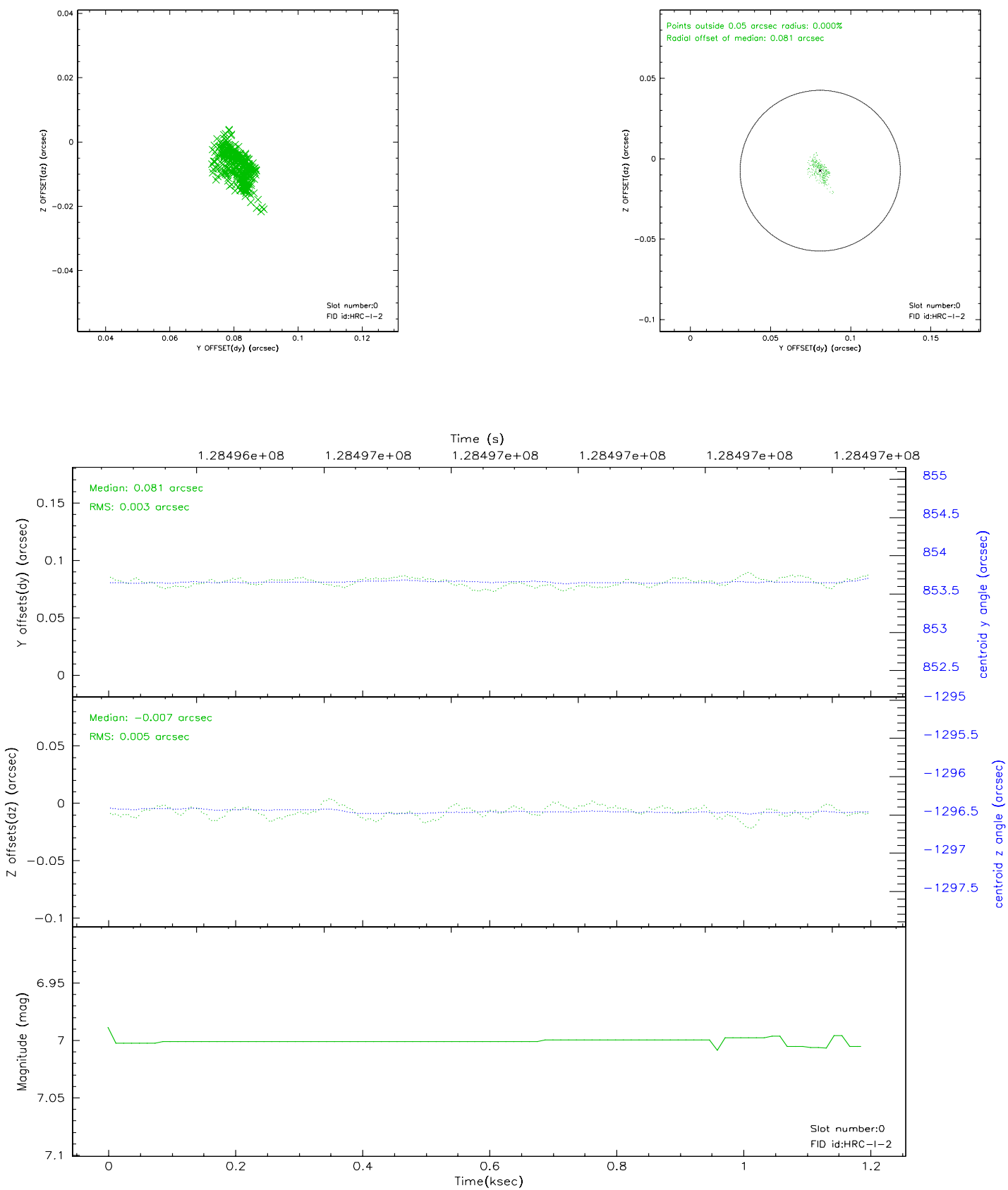


## 2.4.5 Slot 7

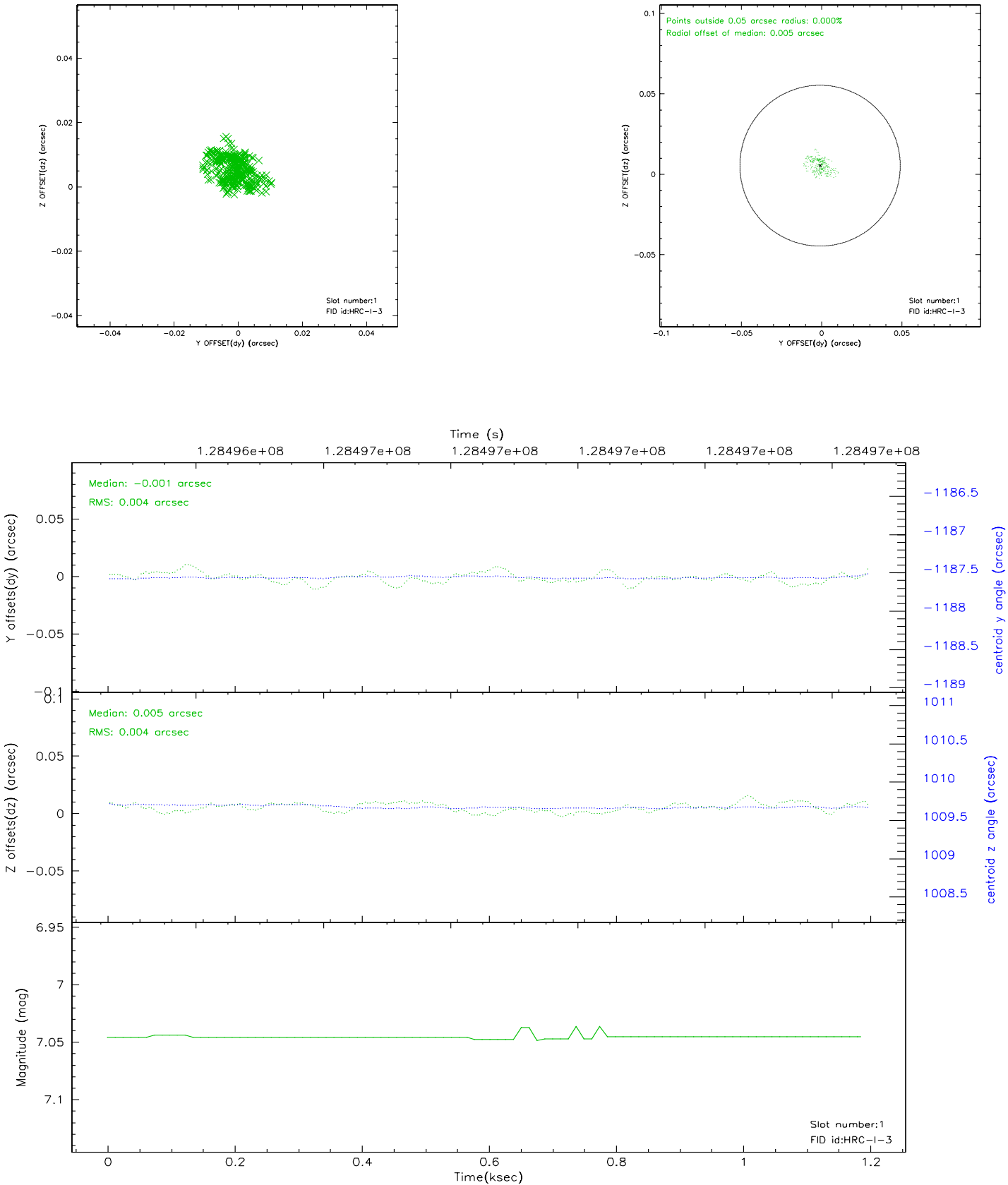


## 2.5 FID Slots

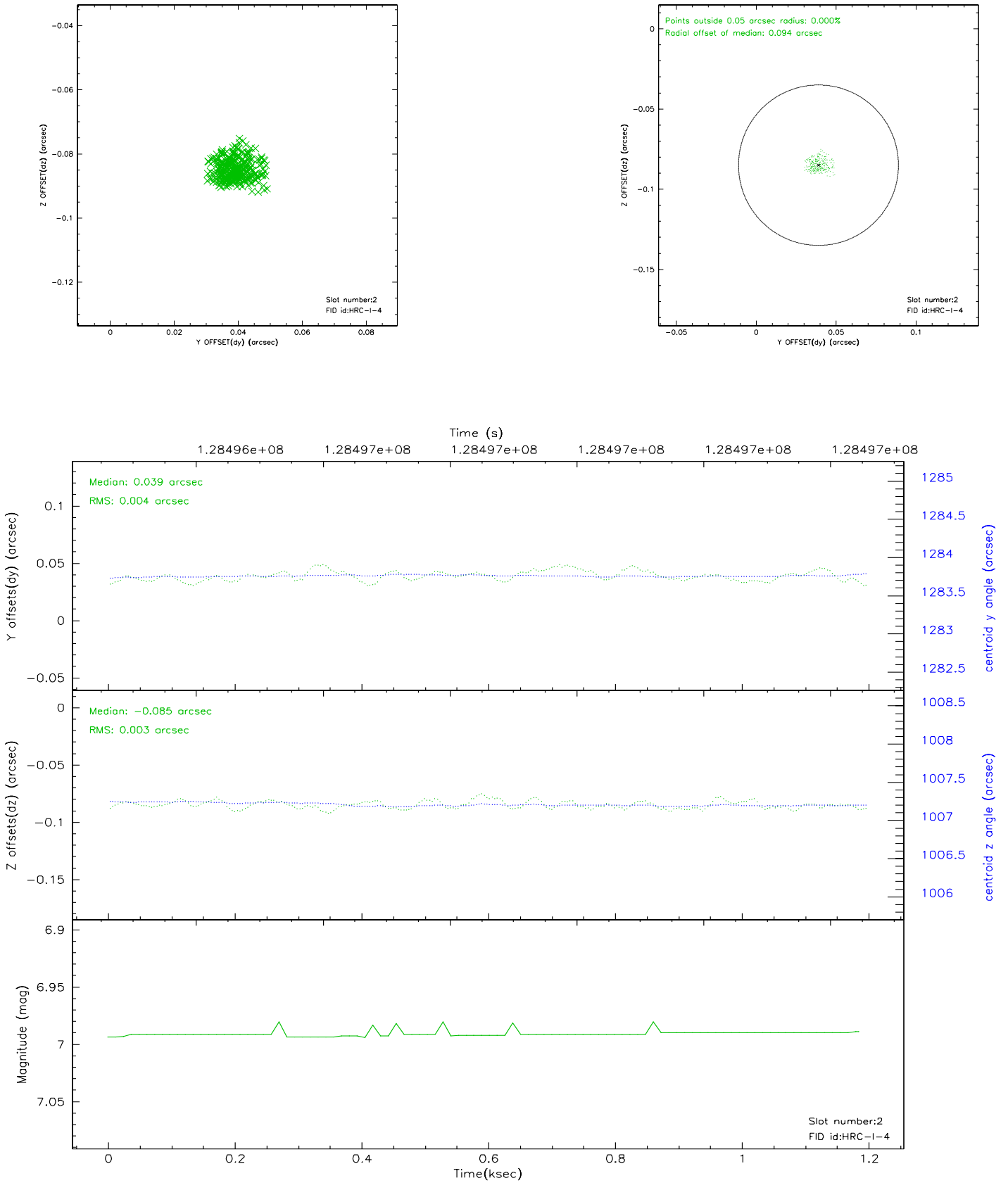
### 2.5.1 Slot 0



2.5.2 Slot 1



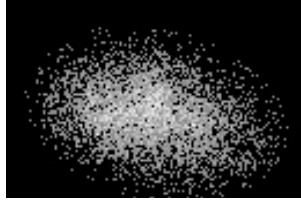
### 2.5.3 Slot 2





### 3 Point Sources

3.12 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	1.194

## 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.