

# V&V Reference Report

## L2 ASCDS Version : 7.6.8

Observation 3736 - L2 Version 3  
Chandra X-Ray Center

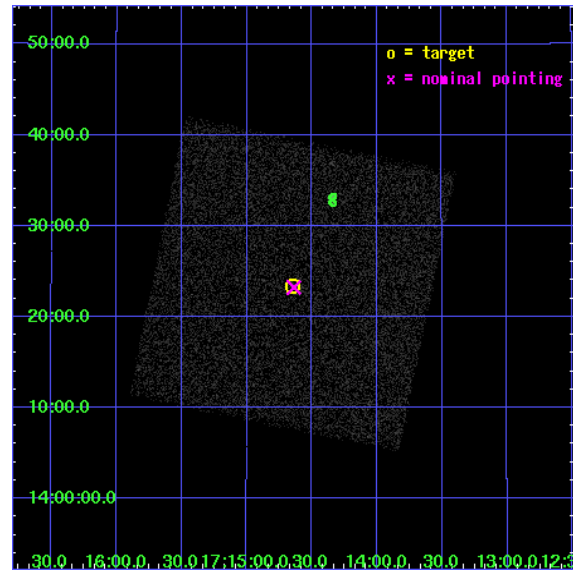
L2 Processing Date : Nov 23 2007

## 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

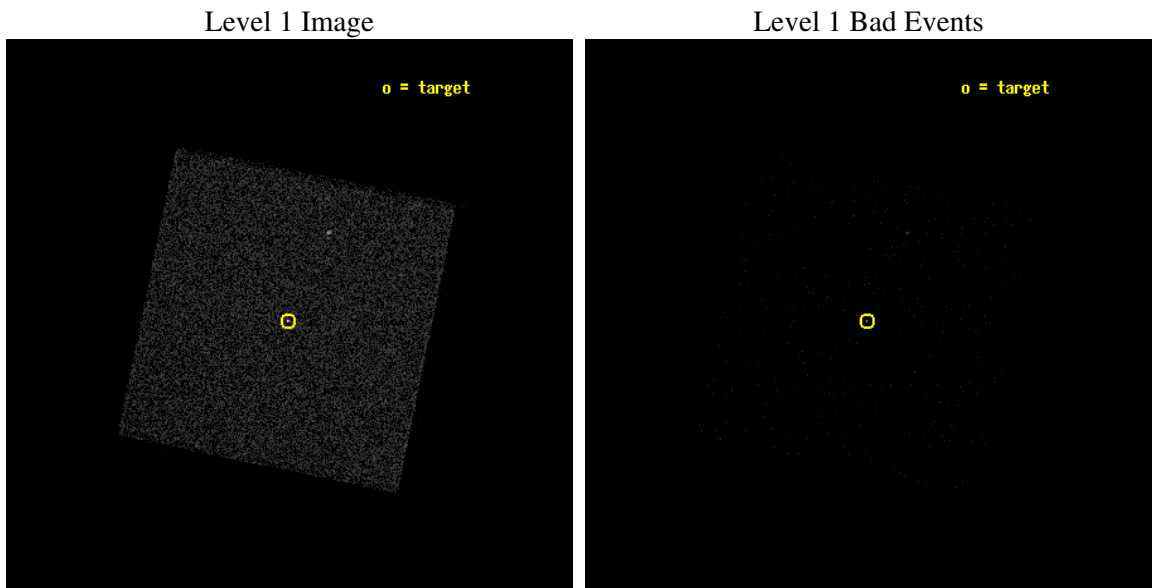
seq_num	200206
obs_id	3736
title	X-RAY ACTIVITY IN M-TYPE GIANTS
observer	Dr Matthias Huensch
object	HR 6406
ra_targ	258.6625
dec_targ	14.390278
ra_nom	258.65946158668
dec_nom	14.387507119834
roll_nom	236.60935988111
revision	3
ontime	990.15004223585
livetime	984.97036776057
l2events	27459



## 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	2007-11-23T19:29:19
revision	3

sched_exp_time	1006.670000
ontime	990.15004223585
l1events	46596

### 2.1.3 Events

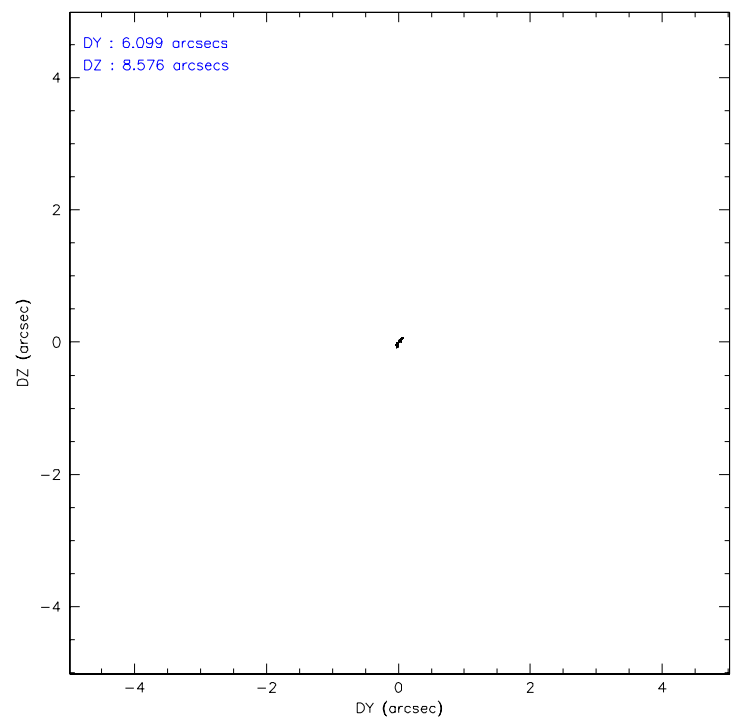
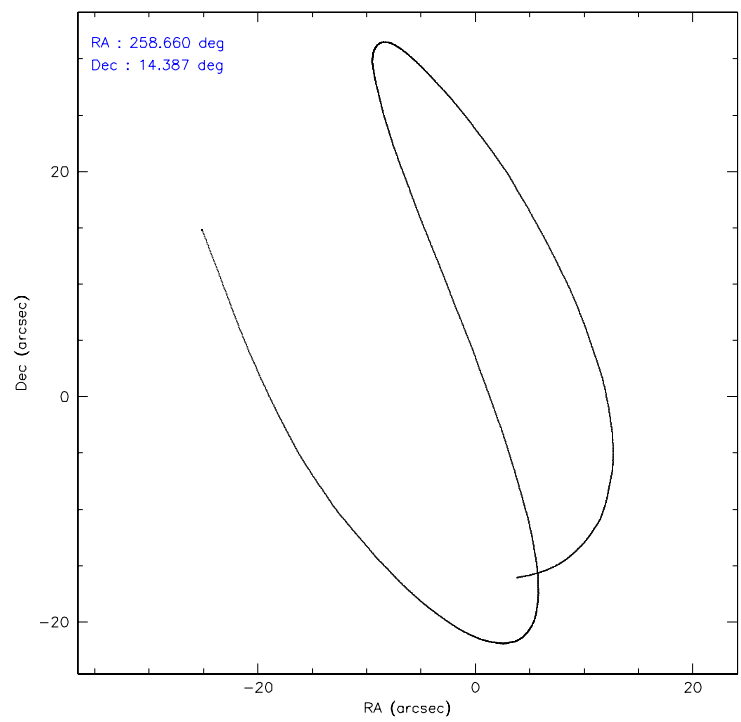
#### Level 1 Events

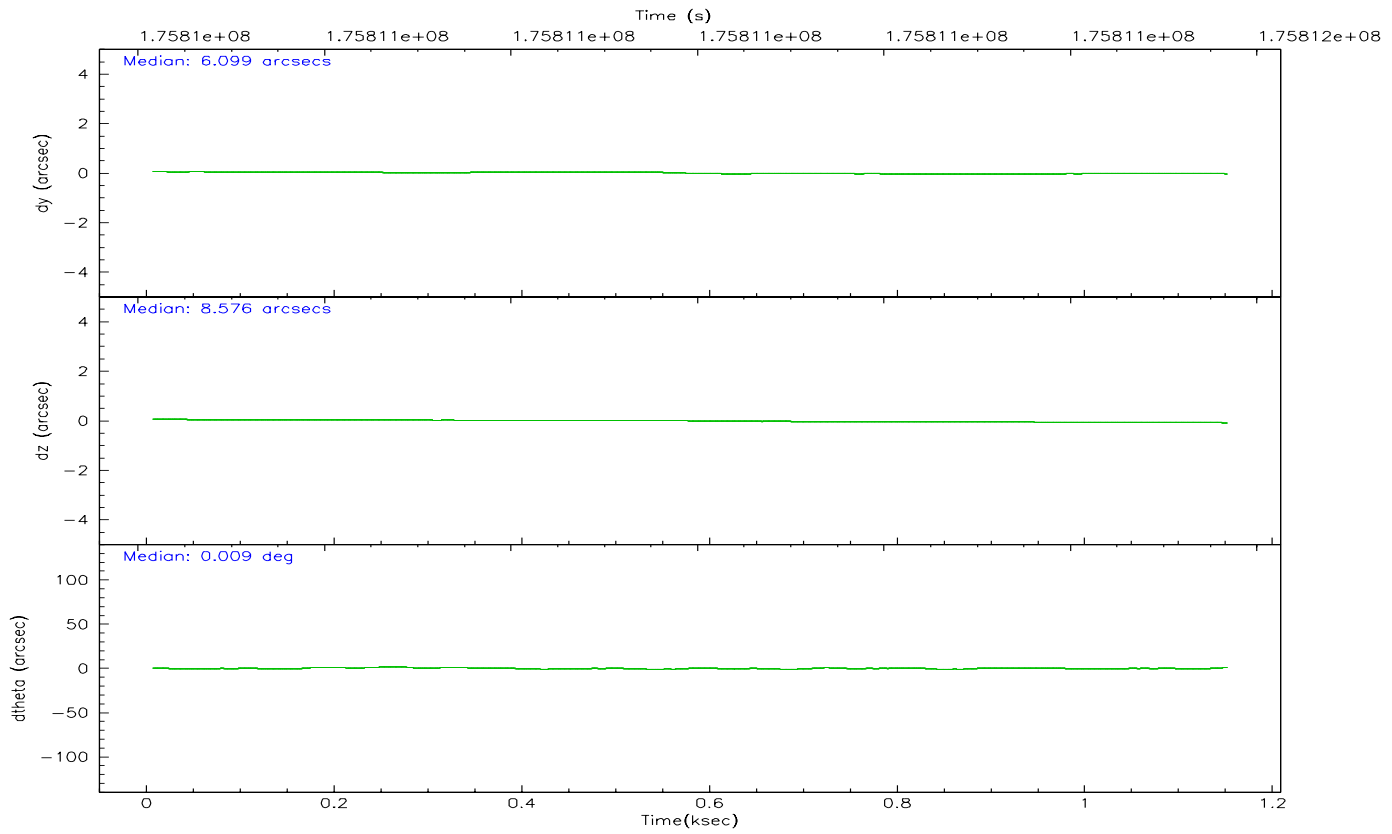
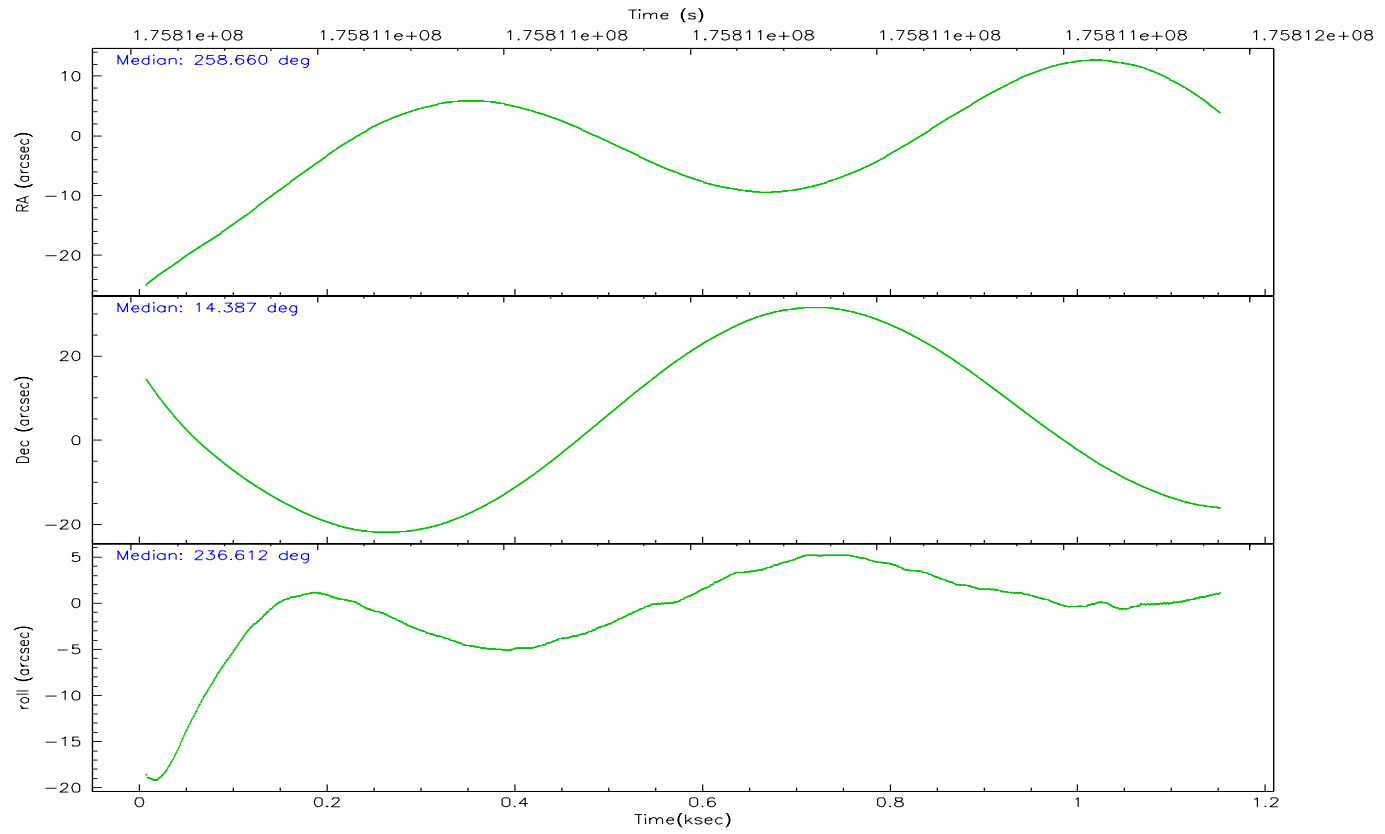
	<b>segment 0</b>
level 1 events	46596
rejected events	5836
rejected %	12%

## 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	258.659928	258.6594615866788			
Pointing Dec	14.415039	14.38750711983381			
Pointing Roll	236.704946	236.6093598811087			
SIM focus pos (mm)	-1.040293	-1.038866356238299			
SIM defocus (mm)	0	0.001426264420575141			
SIM translation stage pos (mm)	126.985494	126.9829799899862			
SIM translation stage offset (mm)	0	0.002508901615314585			
Observation start time	175810561.184000	175809693.71683			
Observation start date	2003-07-28T20:14:57	2003-07-28T20:01:33			
Observation end time	175811568.184000	175812294.65444			
Observation end date	2003-07-28T20:31:44	2003-07-28T20:44:54			

### 2.3 Aspect





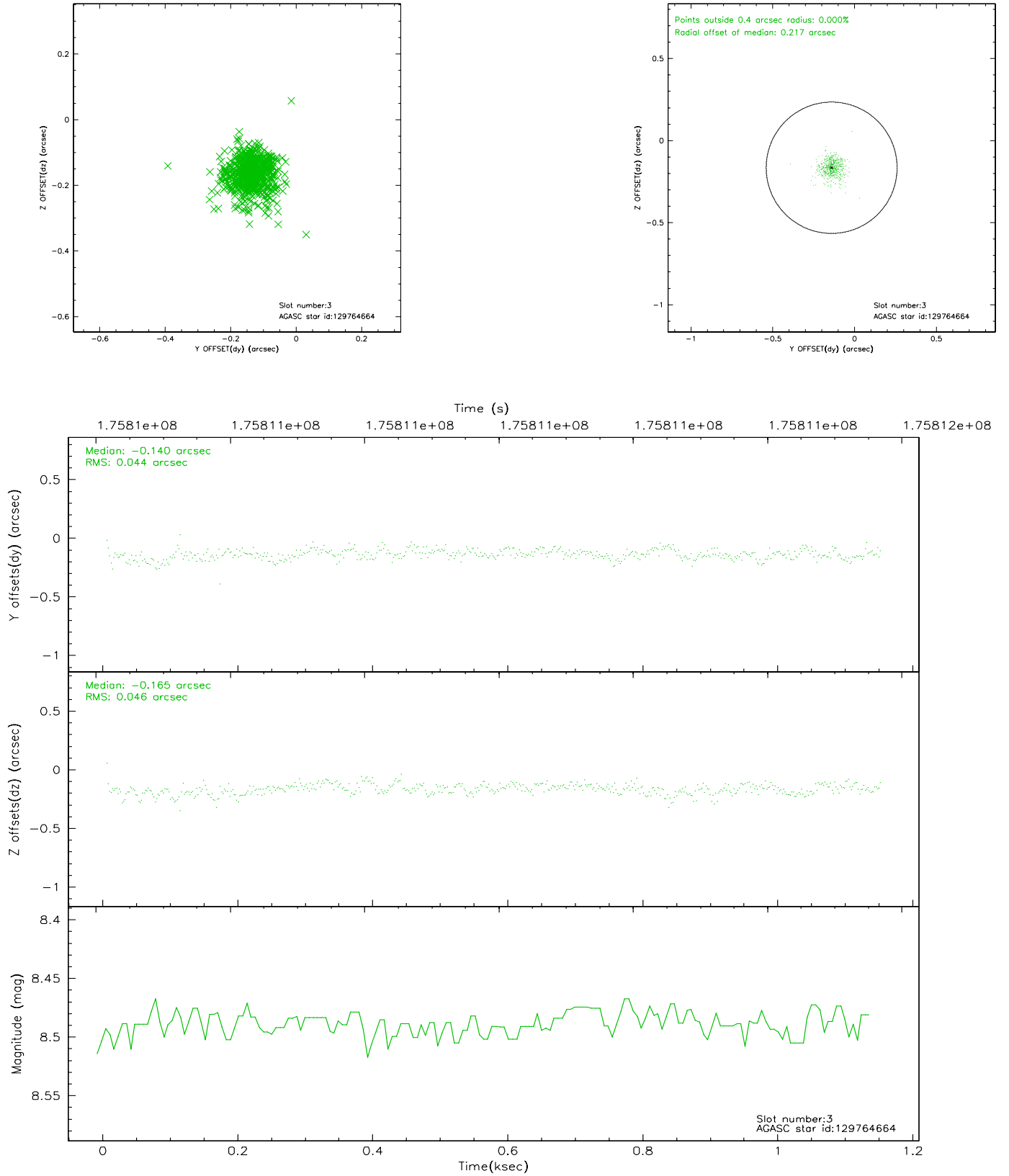
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.99	280	0.027	0.042	0.007	0.012	0.000000	0.000000	-761.66	-1296.41
1	FID	HRC-I-2	7.03	280	0.106	-0.107	0.006	0.011	0.000000	0.000000	848.33	-1302.78
2	FID	HRC-I-3	7.08	280	-0.015	-0.024	0.006	0.011	0.000000	0.000000	-1187.12	1003.45
3	GUIDE	129764664	8.49	560	-0.140	-0.165	0.065	0.111	258.887553	14.730168	-1384.13	36.93
4	GUIDE	129765344	8.12	560	-0.040	0.004	0.056	0.097	258.857078	14.911360	-1873.11	-410.01
5	GUIDE	129766272	8.38	560	-0.118	-0.003	0.068	0.109	259.269389	14.680808	-1970.99	1244.18
6	GUIDE	129768520	9.80	560	-0.137	-0.009	0.118	0.189	259.347269	14.325802	-1054.54	2178.20
7	GUIDE	129771704	9.76	559	0.436	0.158	0.117	0.191	258.875461	13.532960	2238.22	2375.26

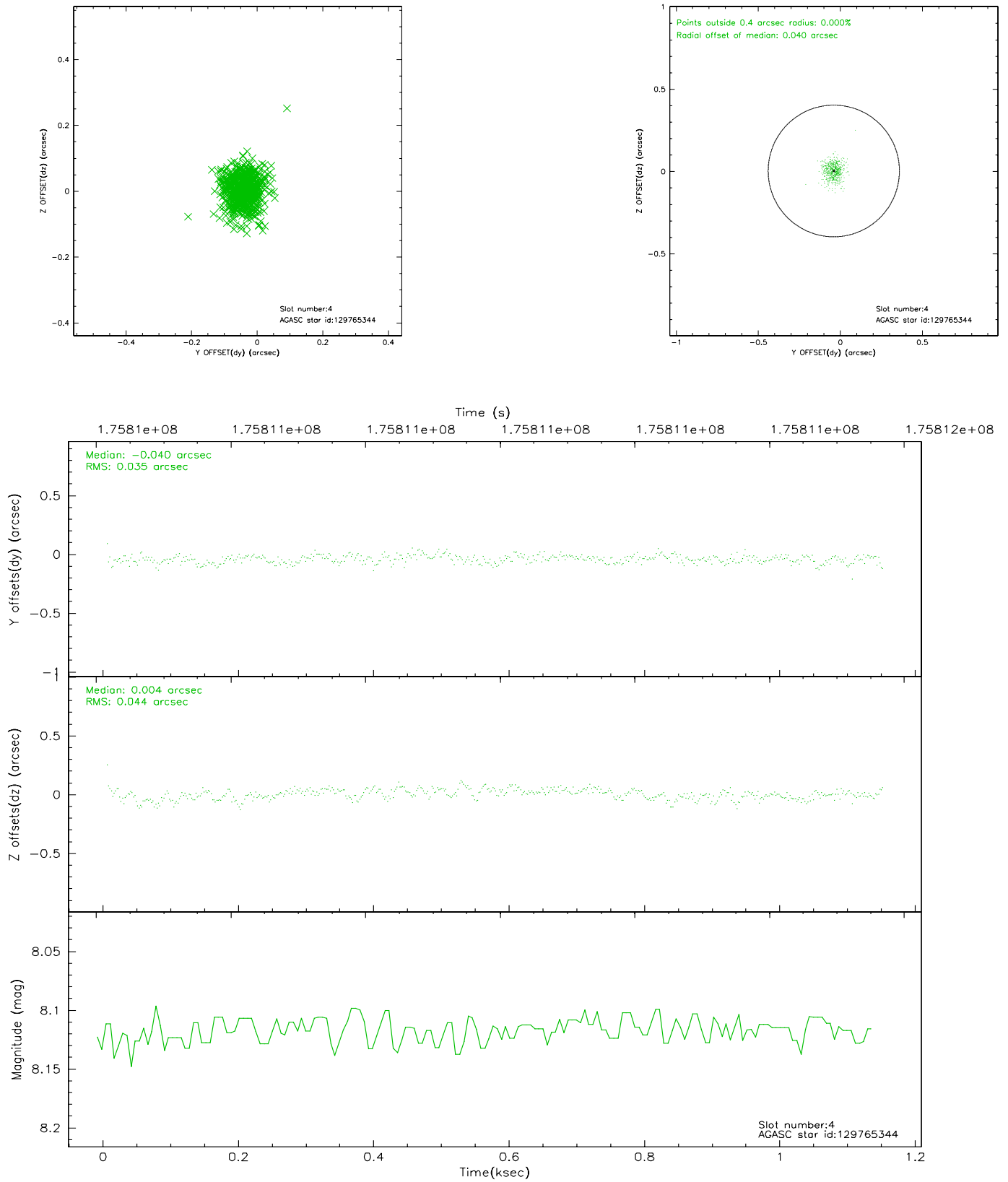


## 2.4 Star Slots

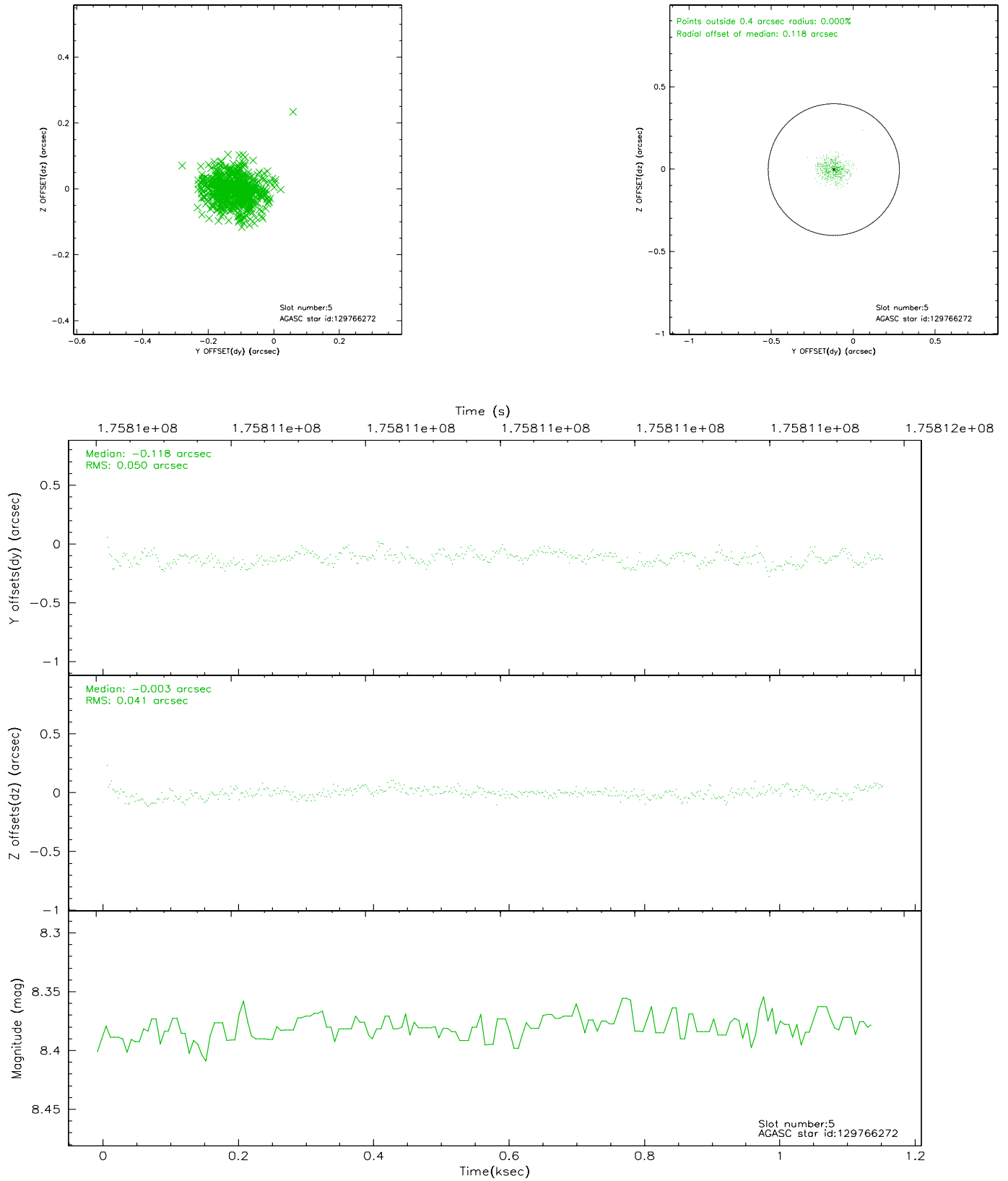
### 2.4.1 Slot 3



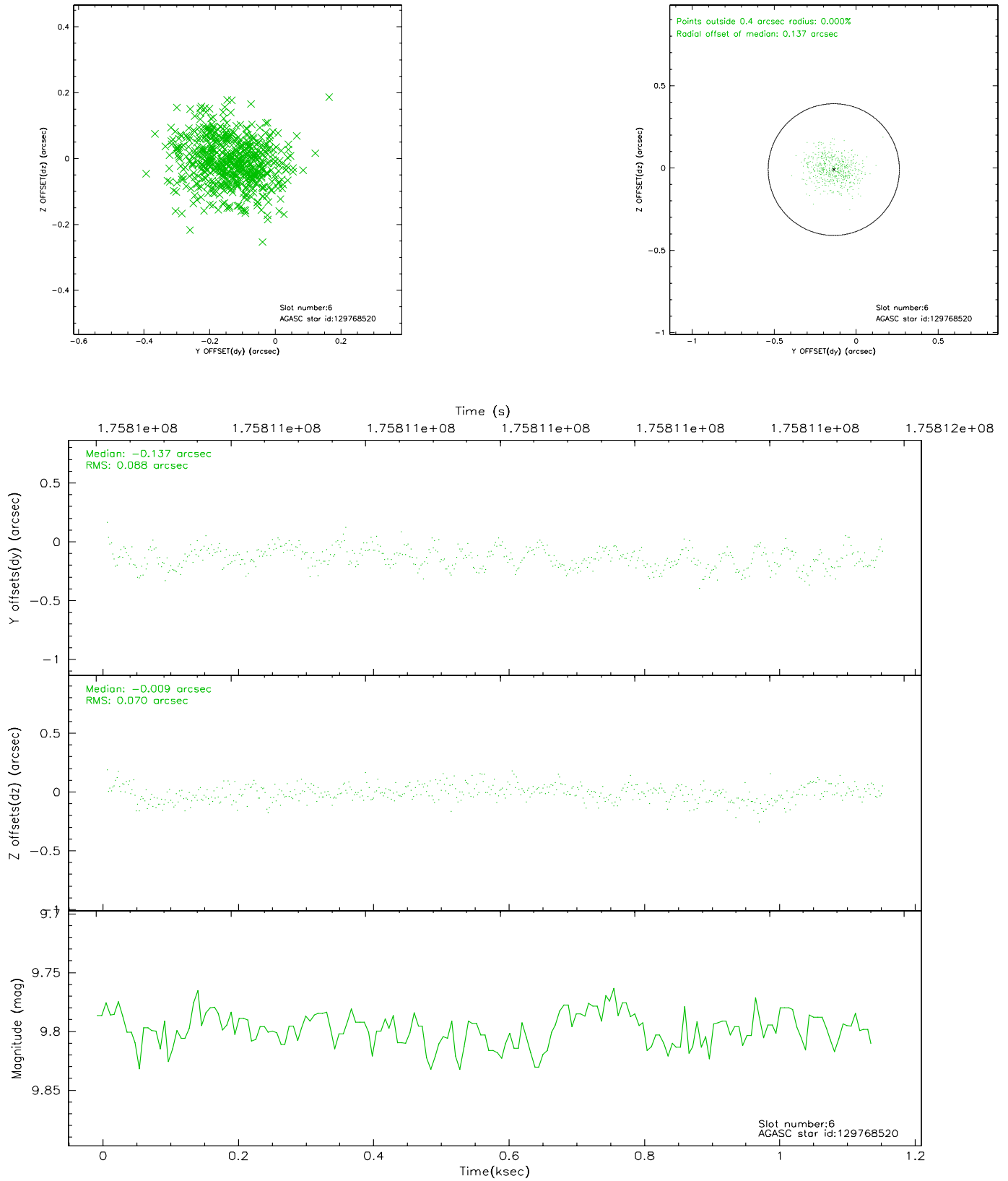
## 2.4.2 Slot 4



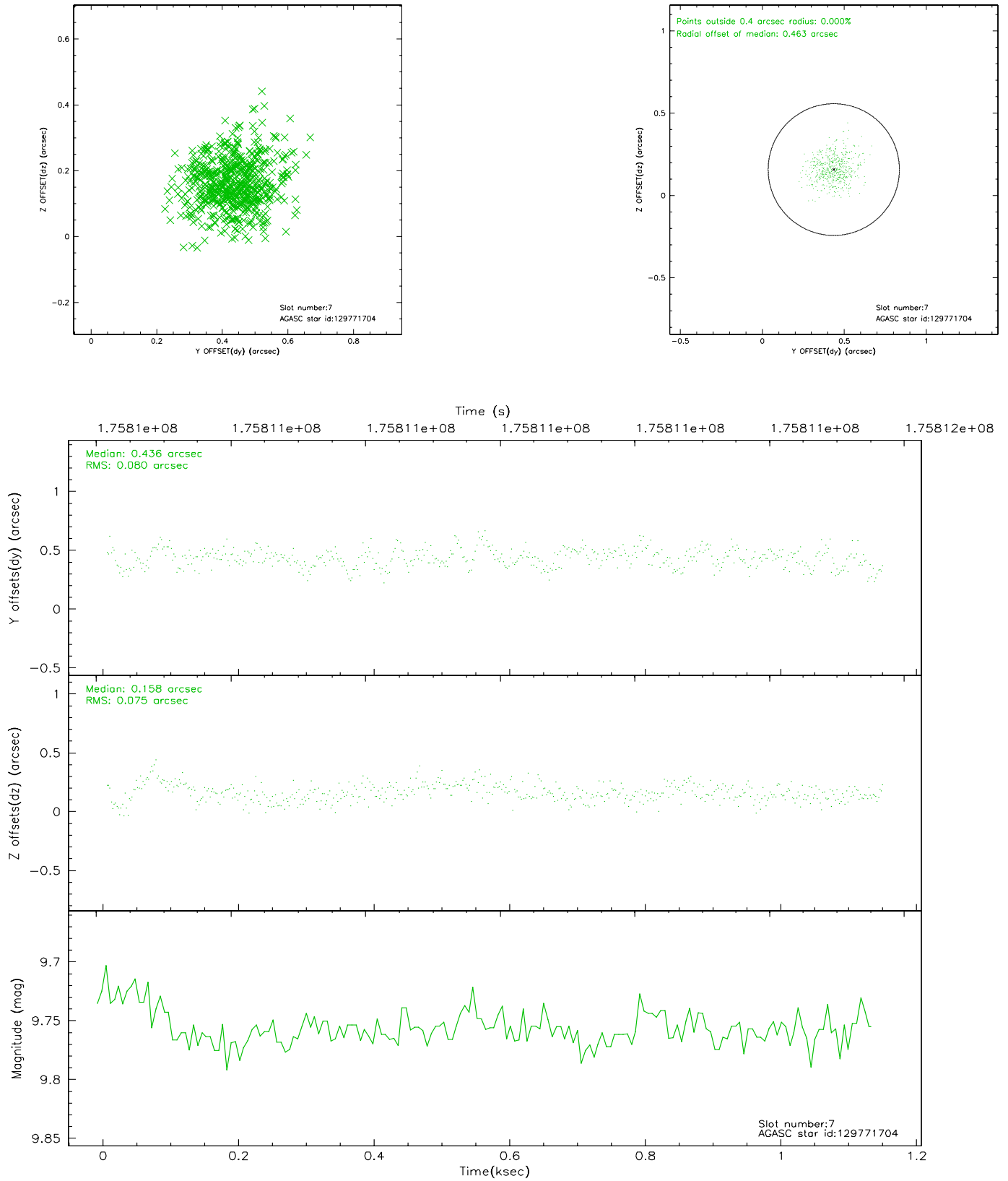
### 2.4.3 Slot 5



## 2.4.4 Slot 6

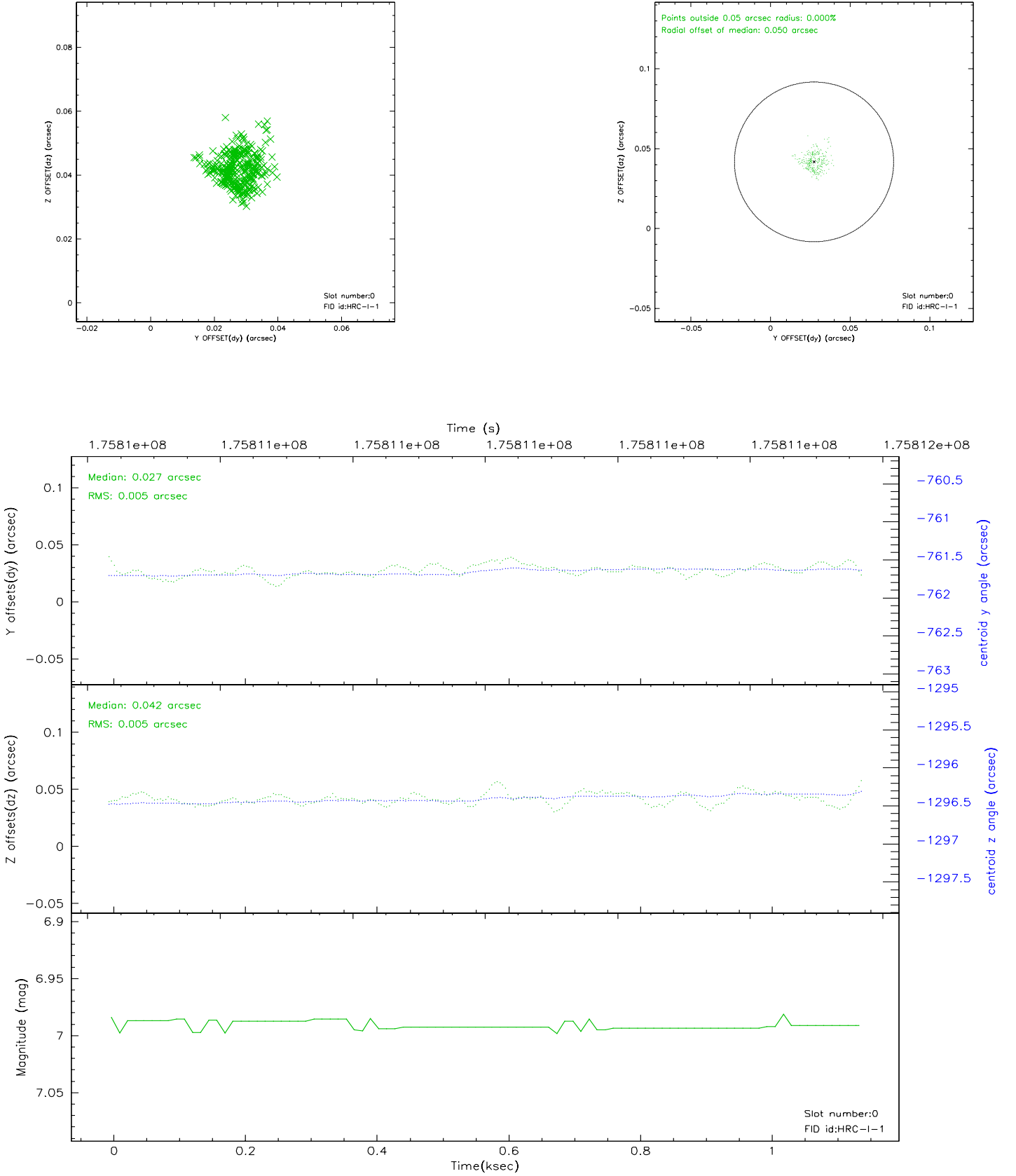


## 2.4.5 Slot 7

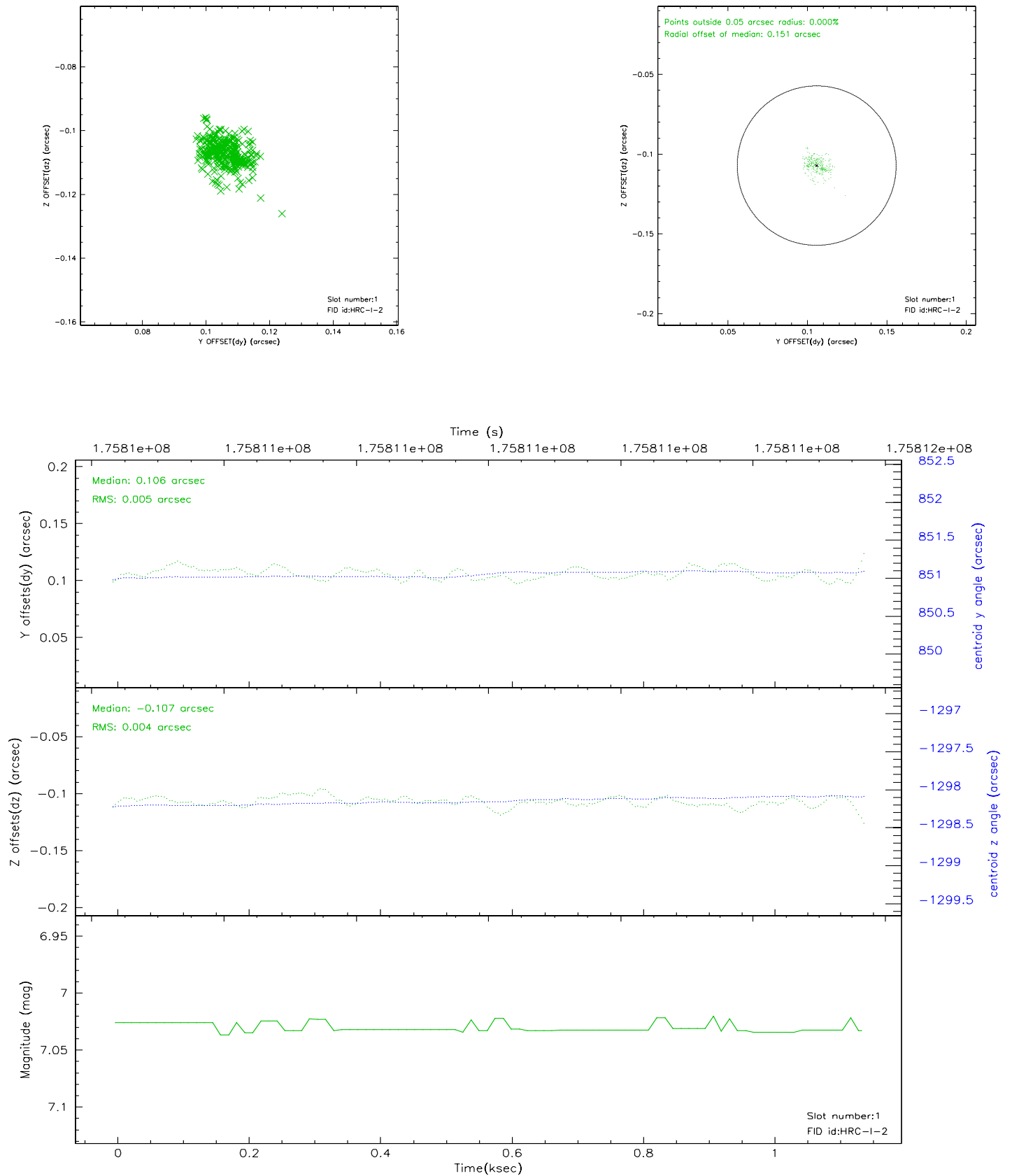


## 2.5 FID Slots

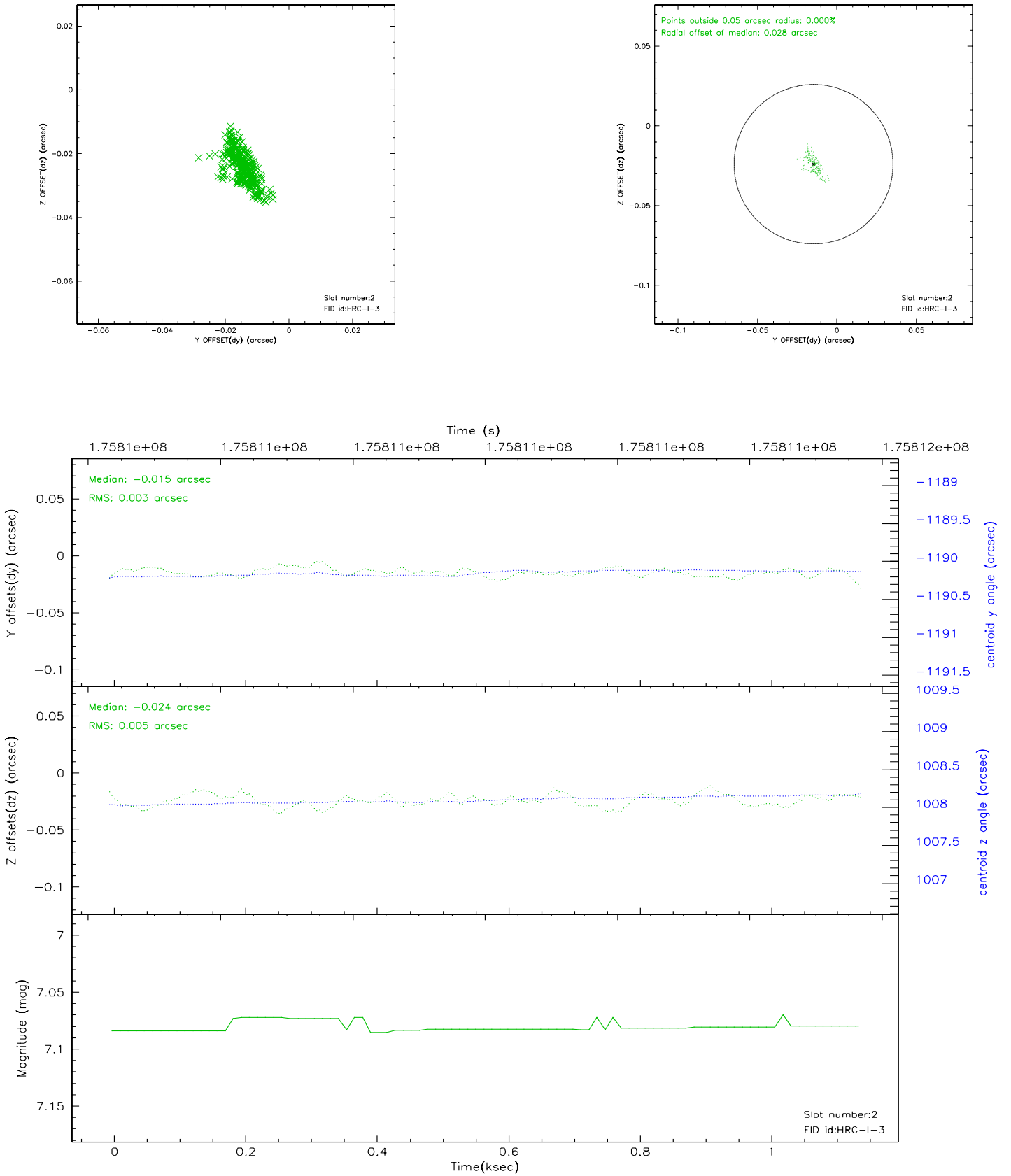
### 2.5.1 Slot 0



## 2.5.2 Slot 1

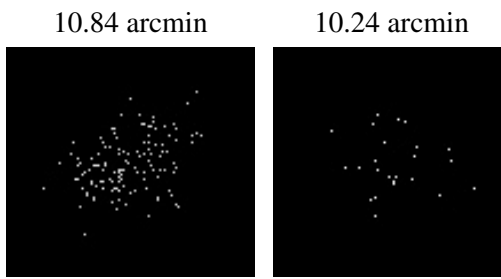


### 2.5.3 Slot 2





### 3 Point Sources



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.12.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	0.99

## 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.