

# V&V Reference Report

## L2 ASCDS Version : 7.6.10

Observation 288 - L2 Version 4  
Chandra X-Ray Center

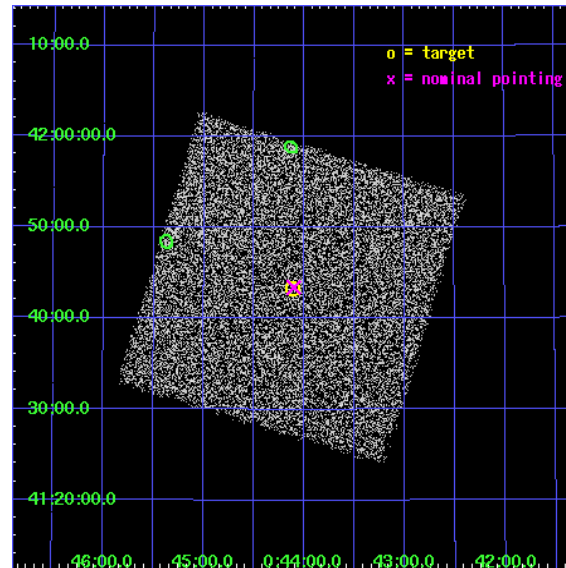
L2 Processing Date : Nov 20 2007

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# 1 Front

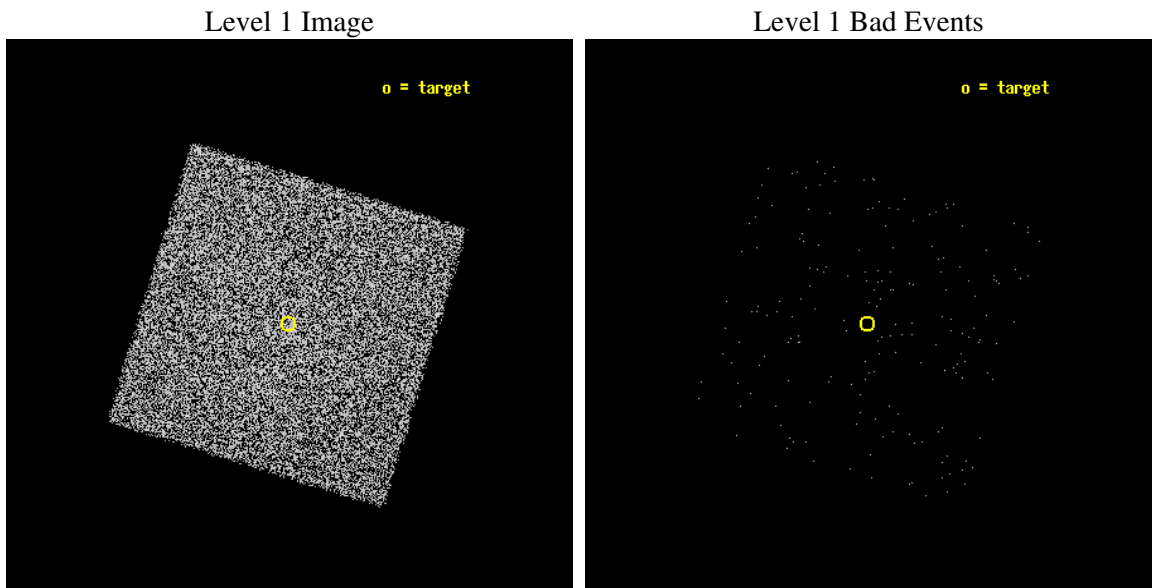
seq_num	600048
obs_id	288
title	MONITORING M31
observer	Dr. Stephen Murray
object	M31 - North 1
ra_targ	11.029167
dec_targ	41.721111
ra_nom	11.025482925694
dec_nom	41.723833950031
roll_nom	152.15960590614
revision	4
ontime	1198.4812950194
livetime	1193.2152998527
l2events	26165



## 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	2007-11-21T01:06:03
revision	4

sched_exp_time	1000.000000
ontime	1198.4812950194
l1events	49596

### 2.1.3 Events

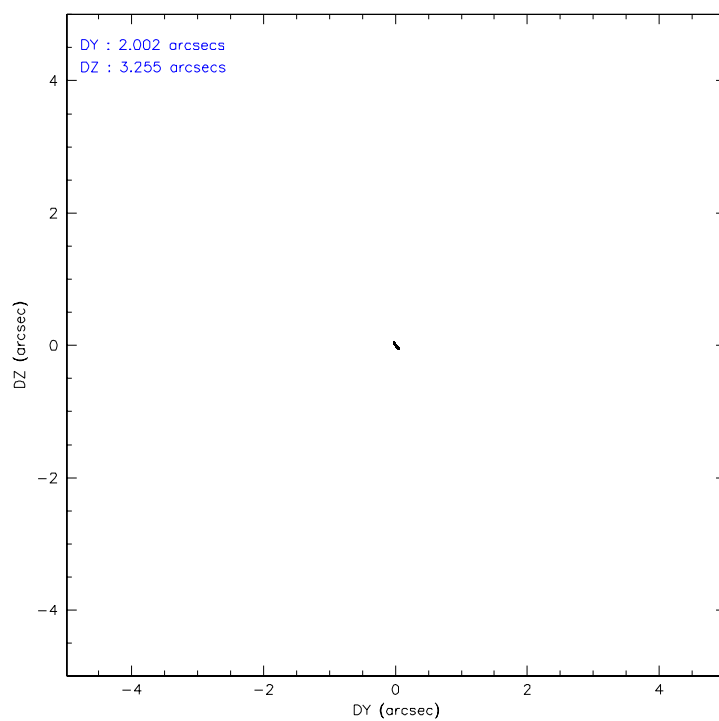
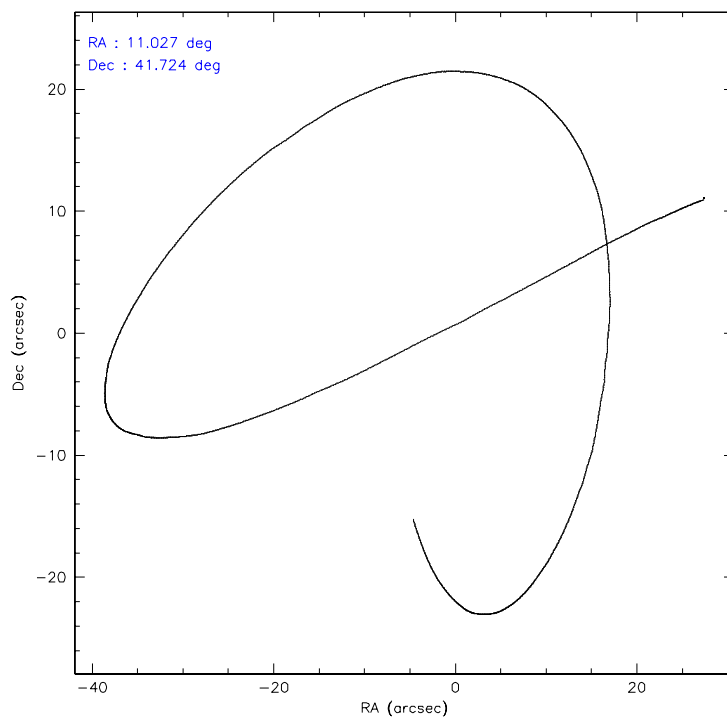
#### Level 1 Events

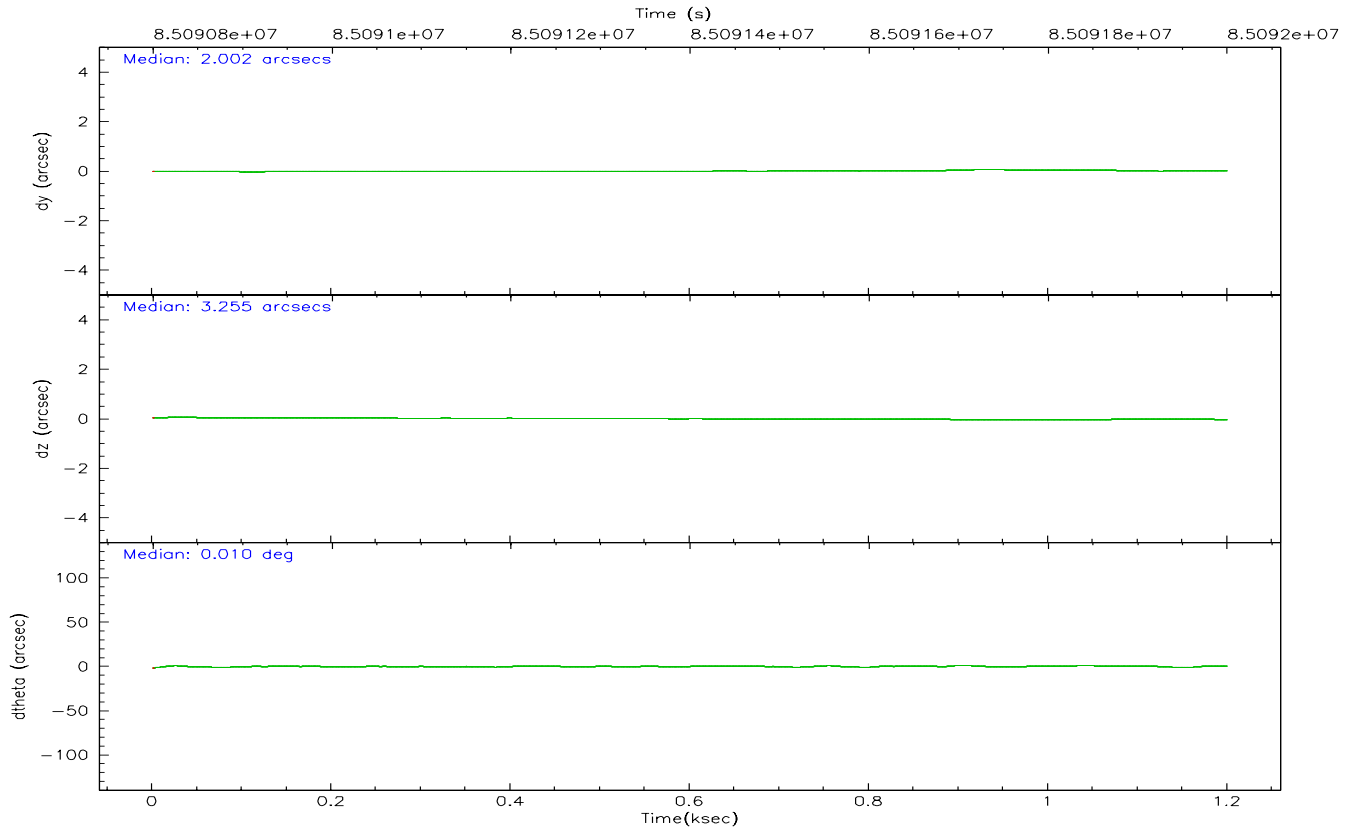
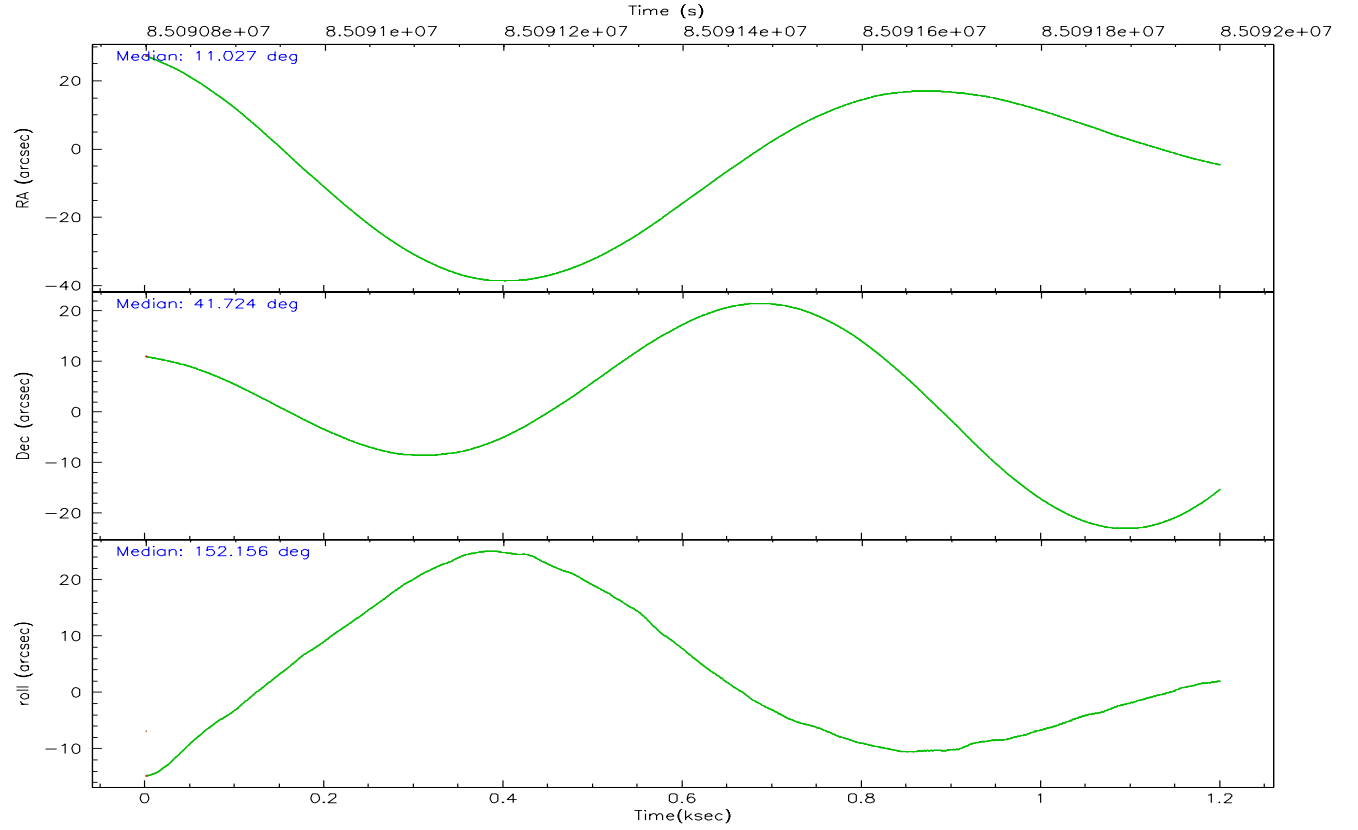
	<b>segment 0</b>
level 1 events	49596
rejected events	10331
rejected %	20%

## 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	11.061861	11.02548292569424			
Pointing Dec	41.725979	41.72383395003087			
Pointing Roll	152.230846	152.1596059061431			
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	85091000.184000	85090624.42428599			
Observation start date	2000-09-11T20:22:16	2000-09-11T20:17:04			
Observation end time	85092000.184000	85092134.761843			
Observation end date	2000-09-11T20:38:56	2000-09-11T20:42:14			

## 2.3 Aspect





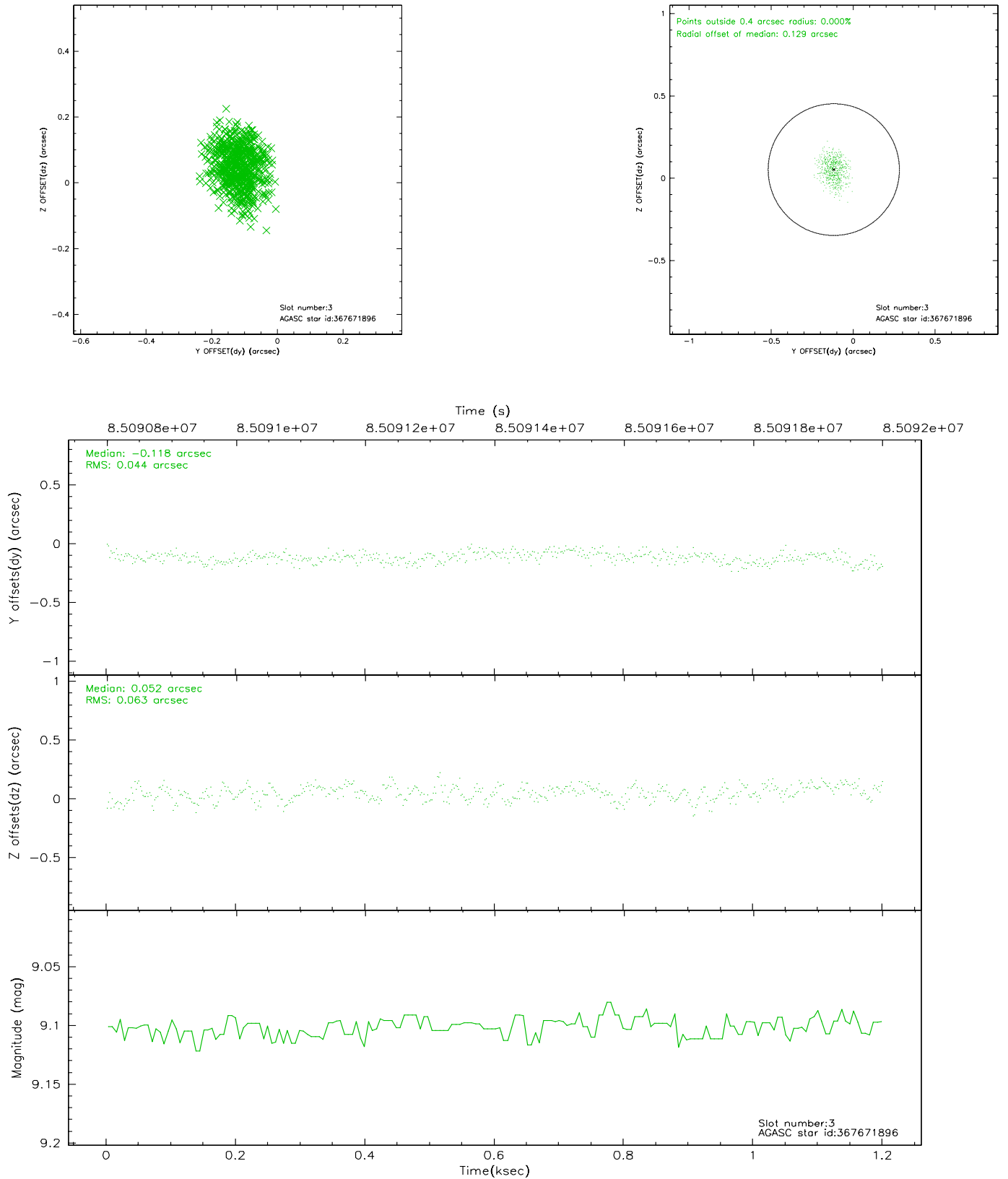
### Slot Statistics

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	293	0.077	0.037	0.006	0.012	0.000000	0.000000	-757.42	-1290.94
1	FID	HRC-I-3	7.04	293	0.030	-0.048	0.007	0.012	0.000000	0.000000	-1188.47	1009.15
2	FID	HRC-I-4	7.00	293	0.007	-0.079	0.005	0.009	0.000000	0.000000	1281.32	1014.50
3	GUIDE	367671896	9.10	585	-0.118	0.052	0.083	0.127	11.763473	41.964845	-1255.78	-1644.26
4	GUIDE	367664016	9.36	586	0.231	0.140	0.093	0.199	12.105776	41.954692	-2081.50	-2050.11
5	GUIDE	367663272	9.29	586	0.031	-0.058	0.071	0.115	10.656279	41.699429	919.57	585.18
6	GUIDE	367658664	9.60	586	-0.108	-0.165	0.106	0.169	10.374070	41.369746	1053.30	1993.25
7	GUIDE	367665472	9.50	585	-0.033	0.031	0.092	0.141	10.241611	41.730843	1966.44	1003.93

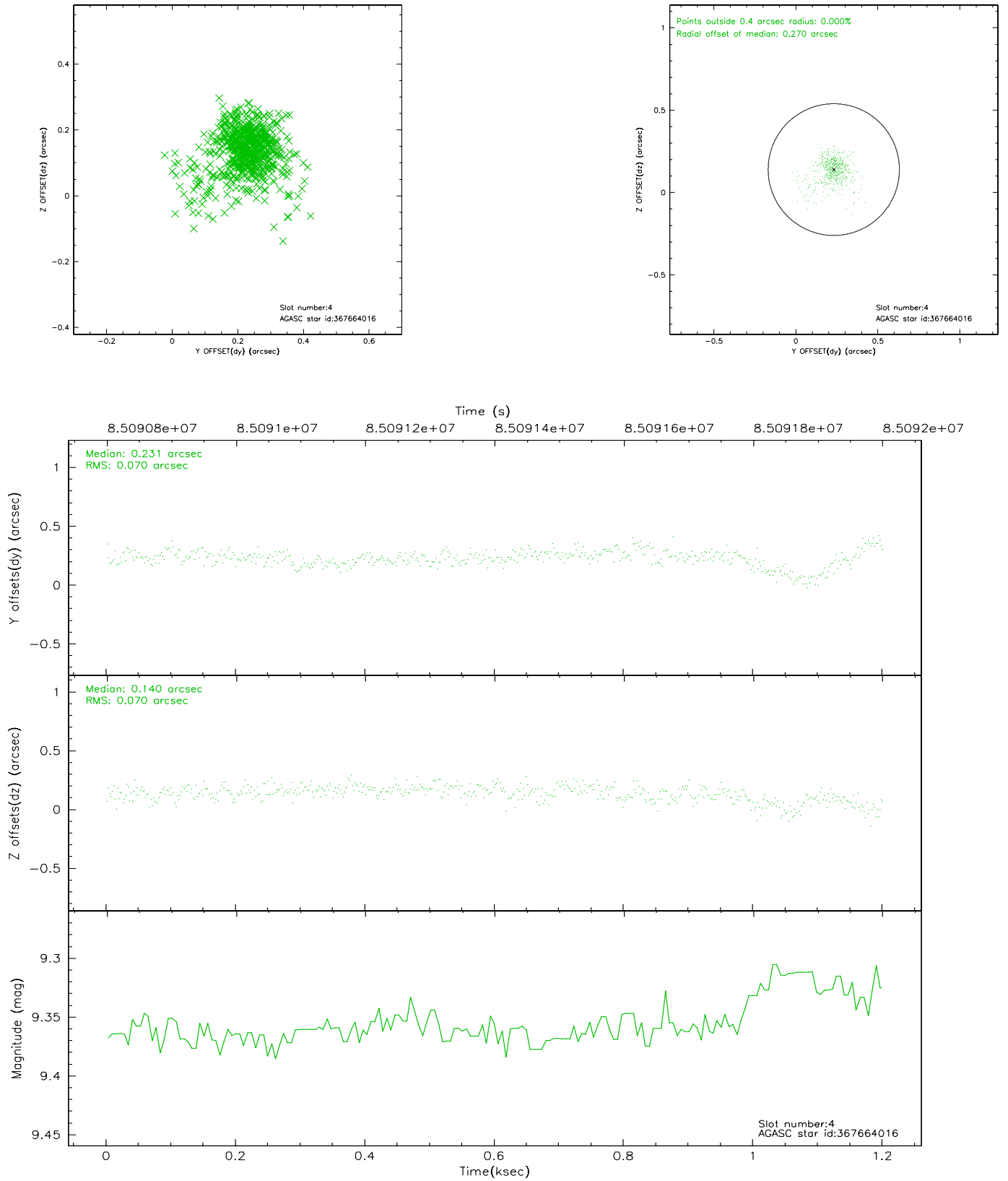


## 2.4 Star Slots

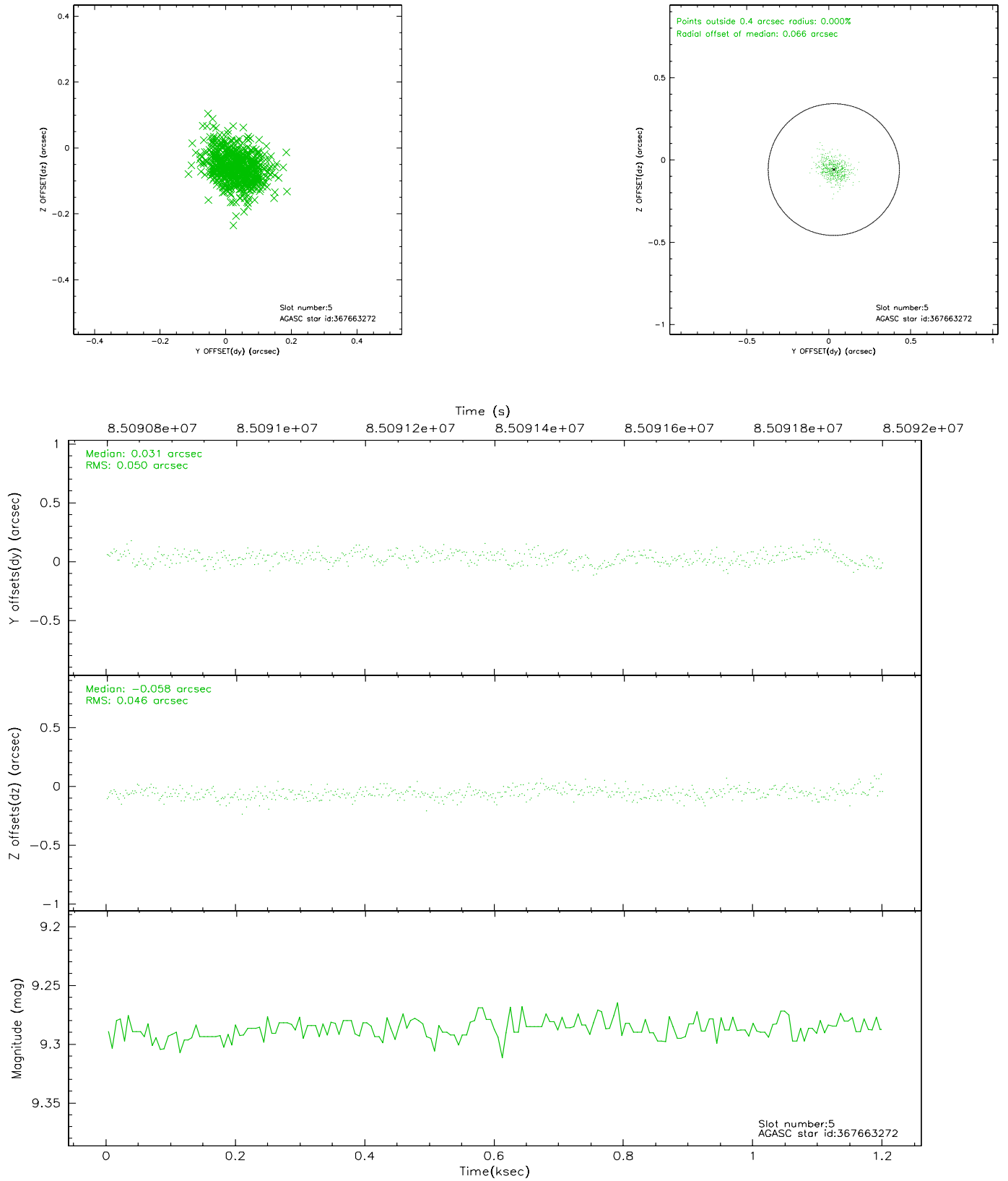
### 2.4.1 Slot 3



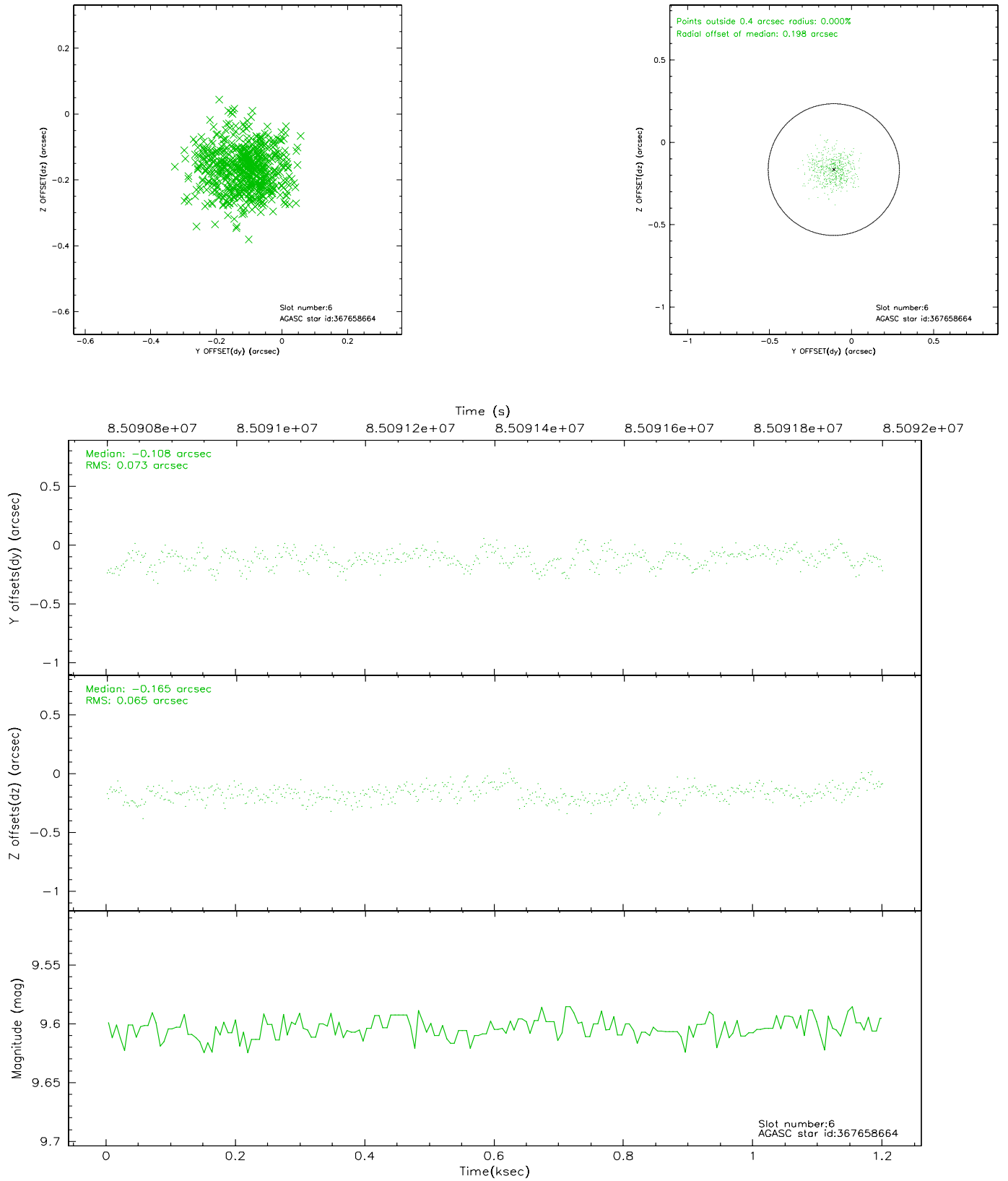
## 2.4.2 Slot 4



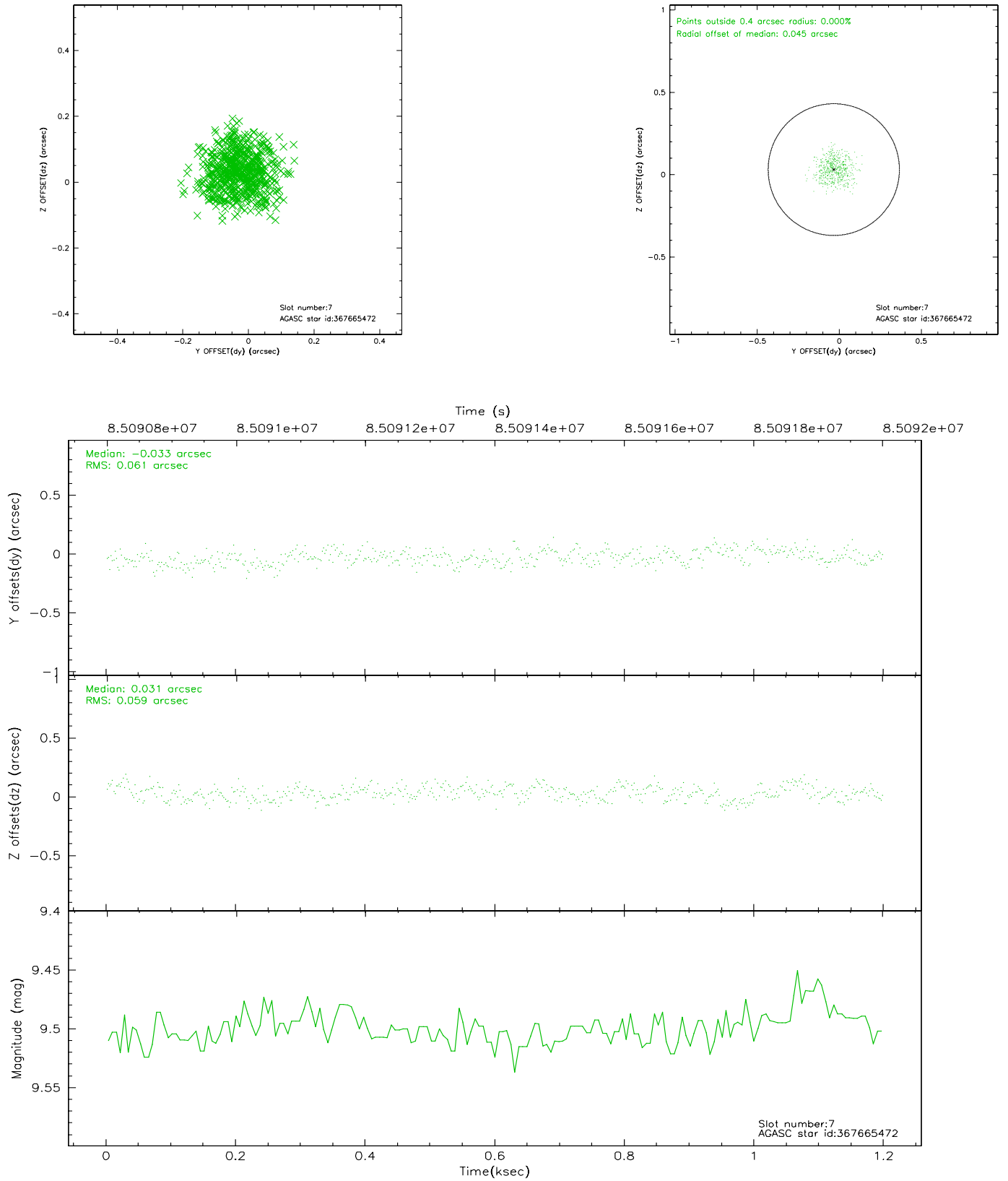
### 2.4.3 Slot 5



## 2.4.4 Slot 6

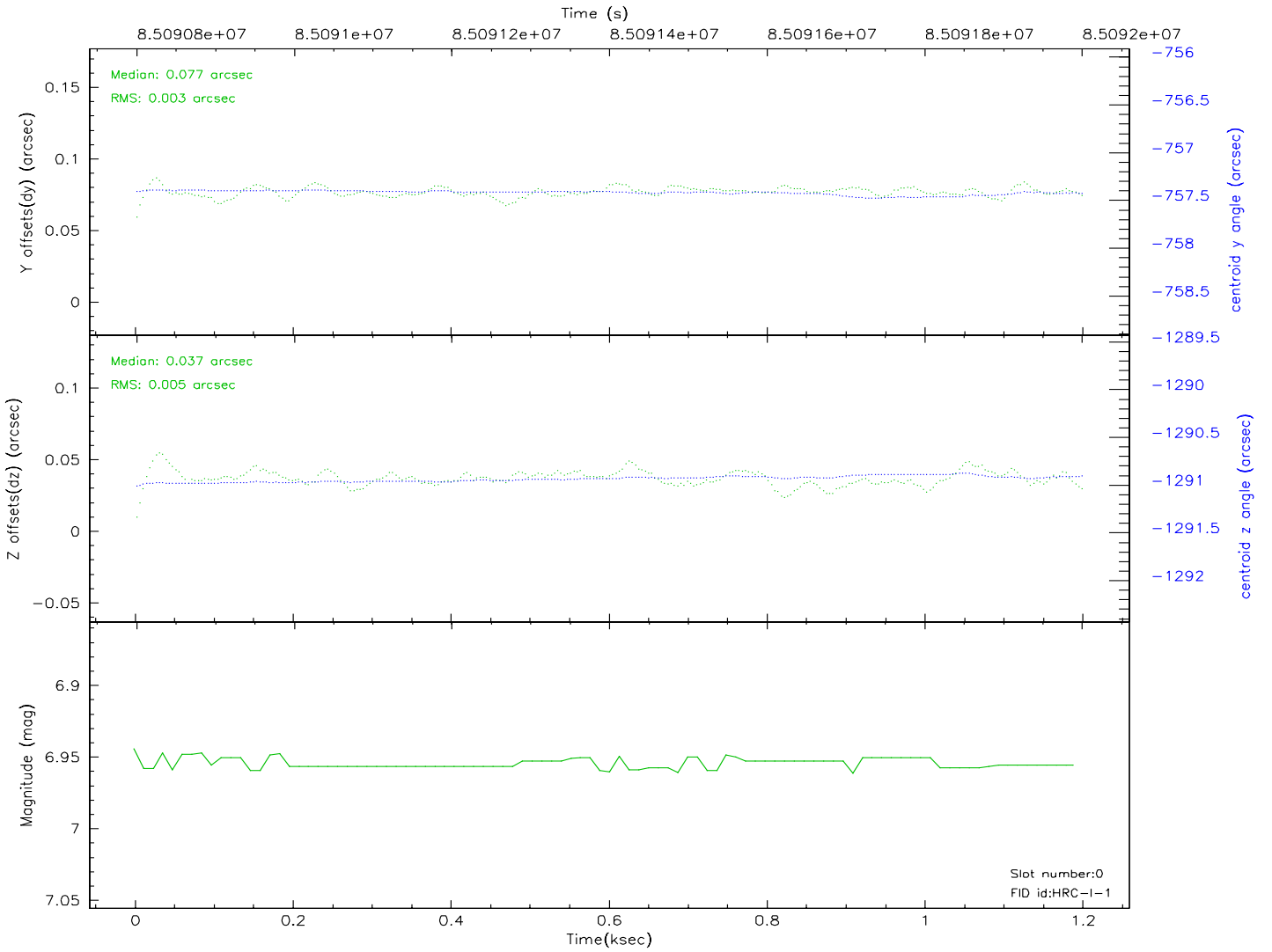
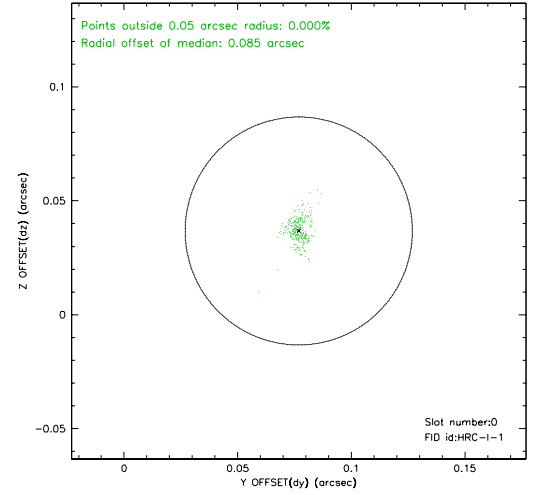
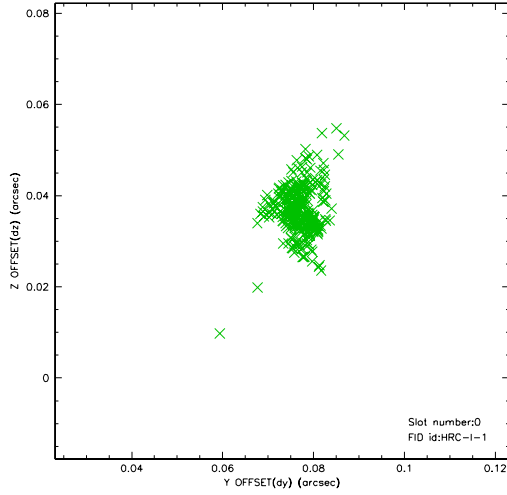


## 2.4.5 Slot 7

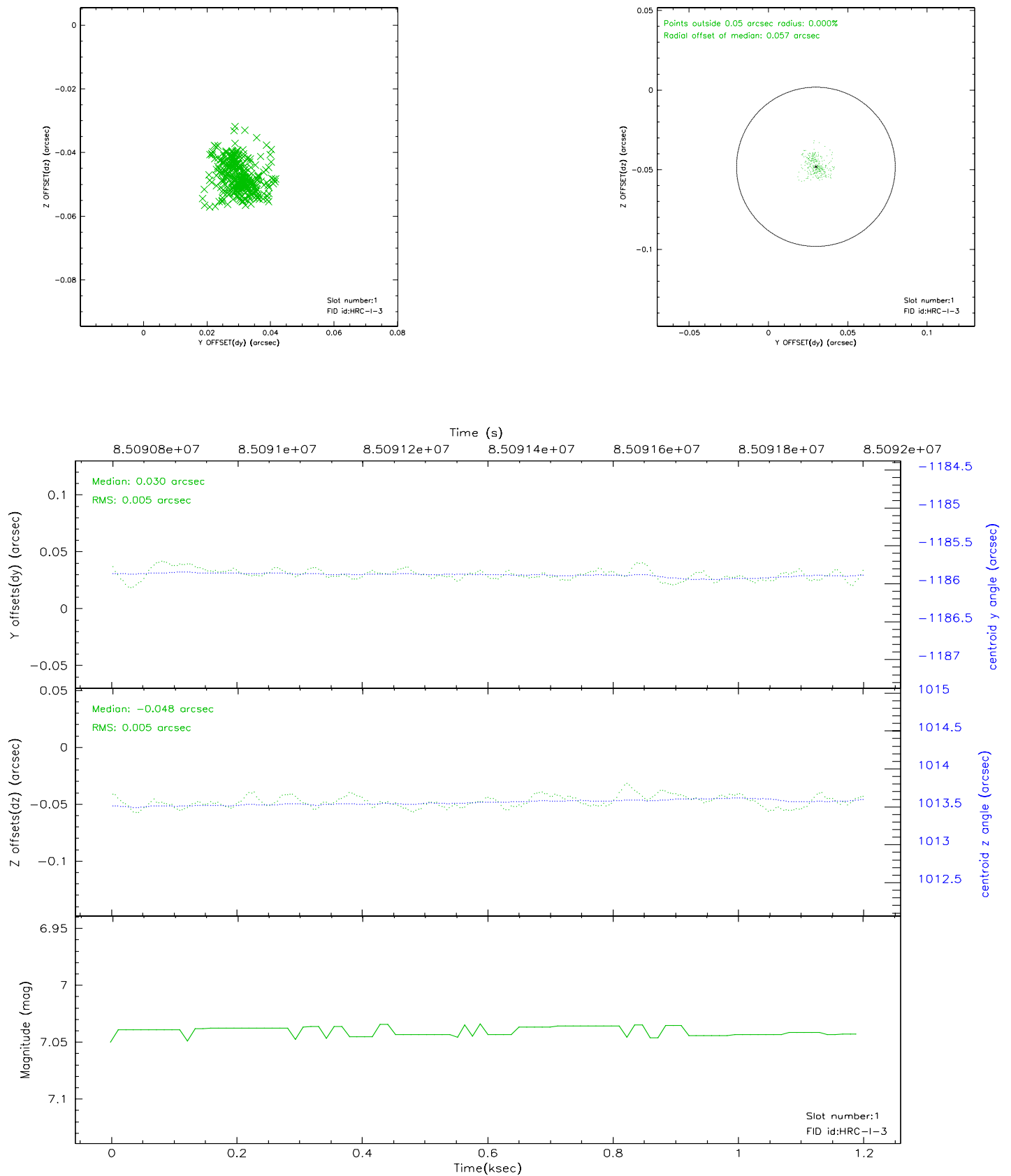


## 2.5 FID Slots

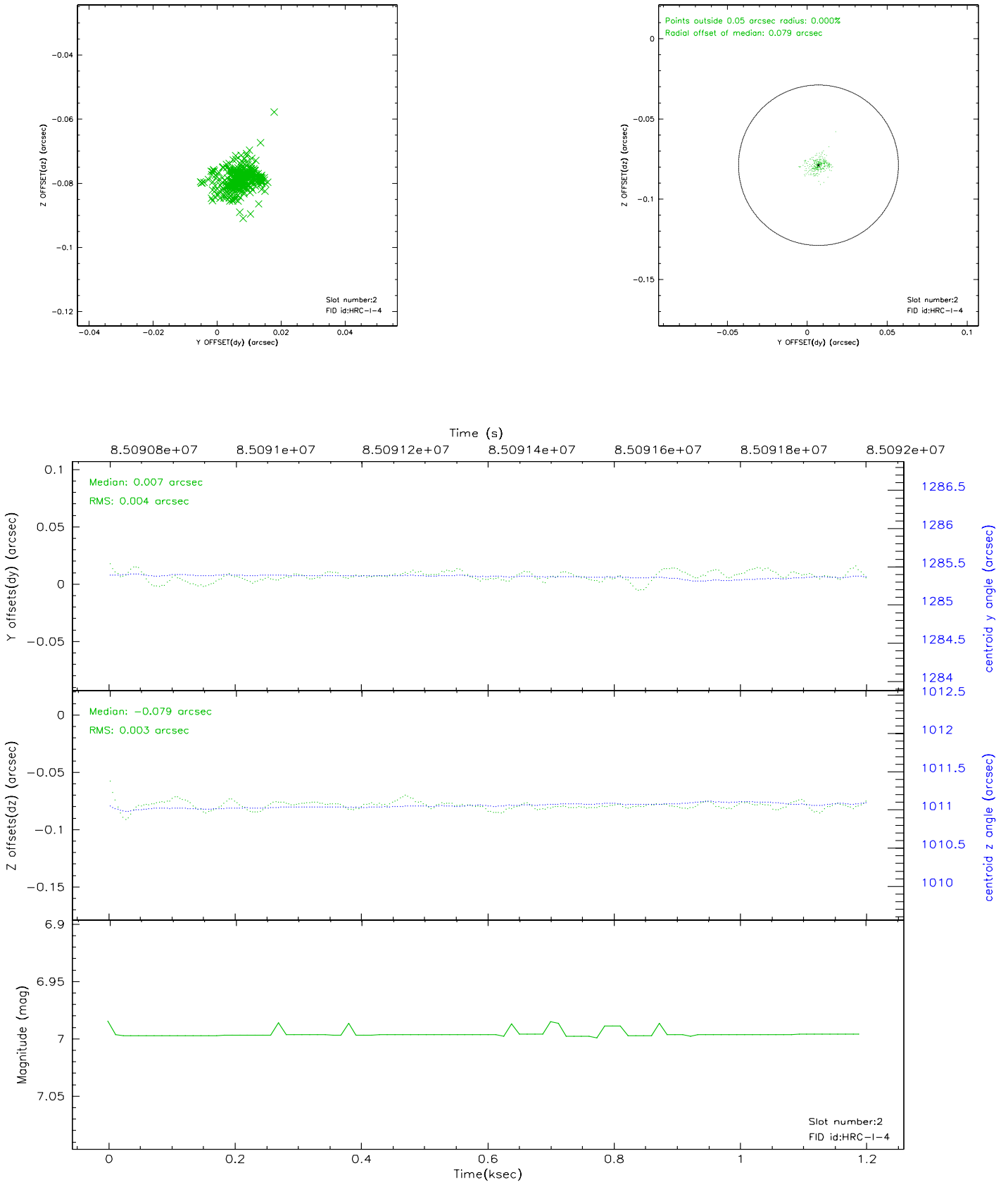
### 2.5.1 Slot 0



## 2.5.2 Slot 1

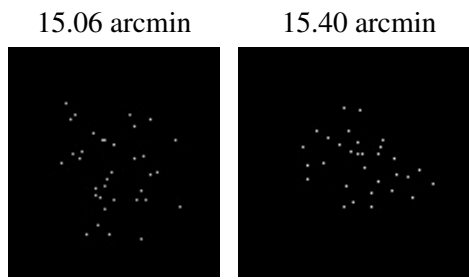


### 2.5.3 Slot 2





### 3 Point Sources



# A Summary

## A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2007.12.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.198

## 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.