

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 2906 - L2 Version 4  
Chandra X-Ray Center

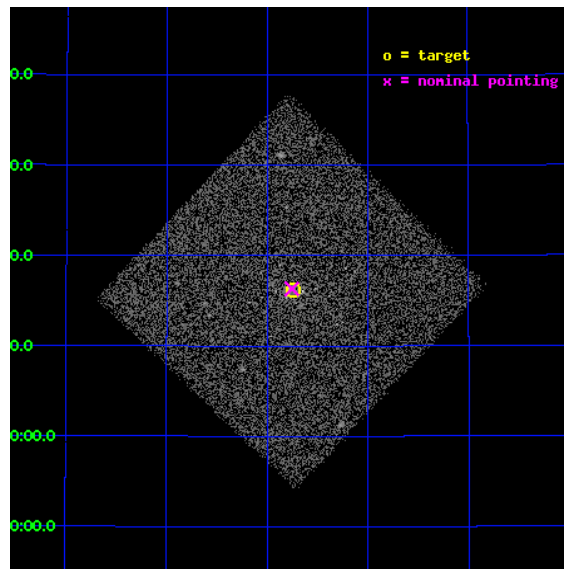
L2 Processing Date : Oct 8 2012

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# 1 Front

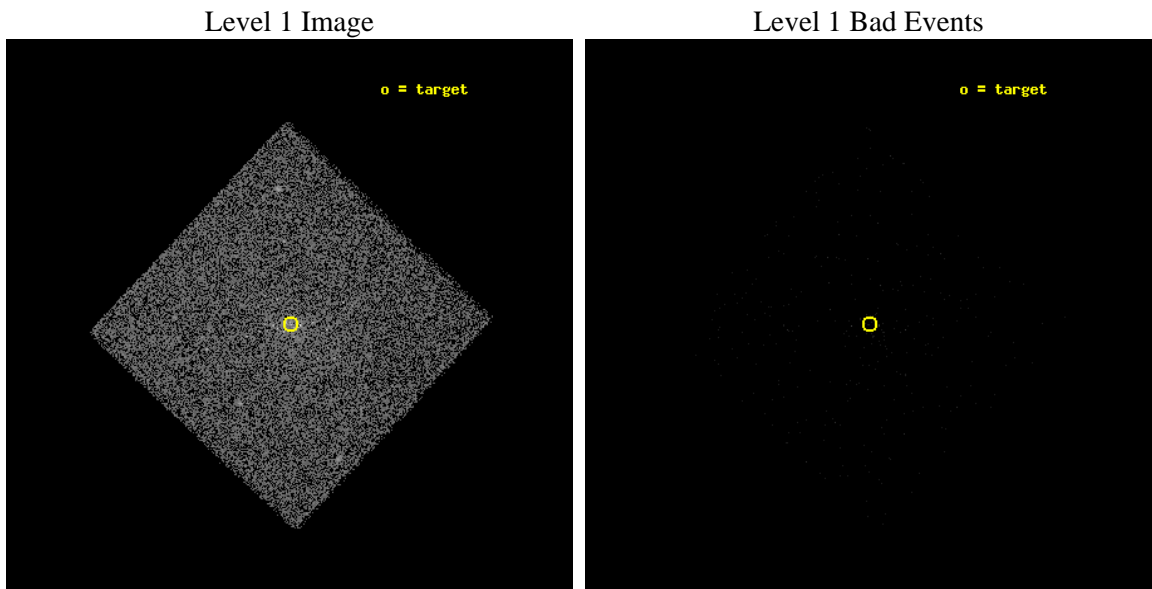
seq_num	600243	Sequence number
obs_id	2906	Observation id
title	SEARCHING FOR X-RAY TRANSIENTS IN M31 WITH CHANDRA AND HST	Proposa
observer	Dr. Michael Garcia	Principal investigator
object	M31-CORE	Source name
ra_targ	10.685	Observer's specified target RA [deg]
dec_targ	41.268972	Observer's specified target Dec [deg]
ra_nom	10.688613885662	Nominal RA [deg]
dec_nom	41.272274500888	Nominal Dec [deg]
roll_nom	88.365178487022	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1194.3812988102	[s]
livetime	1188.0095036849	Ontime multiplied by DTCOR
l2events	33805	Number of level 2 events



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1194.3812988102	[s]
caldbver	4.5.2	&#160	l1events	62541	Number of level 1 events
date	2012-10-09T01:40:03	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

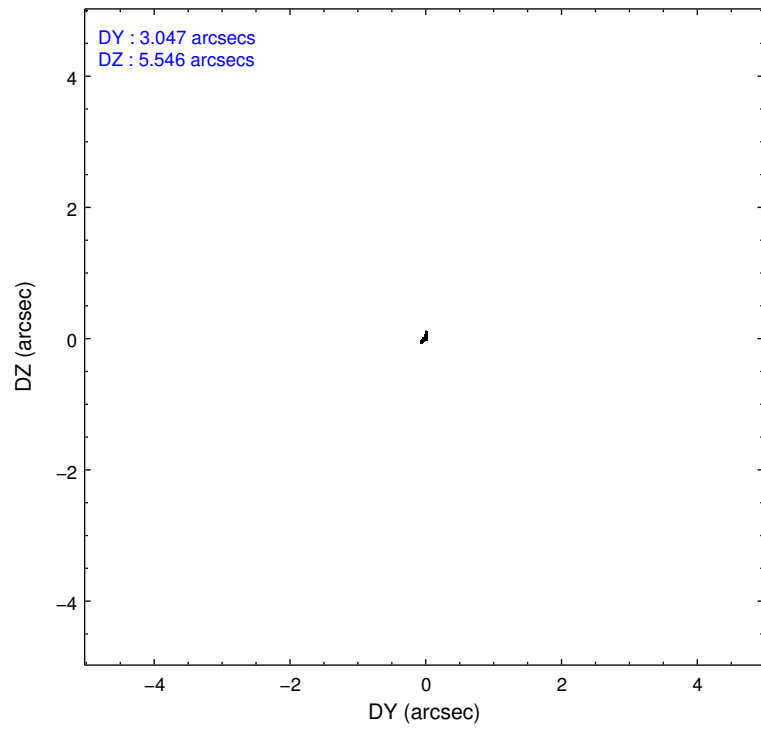
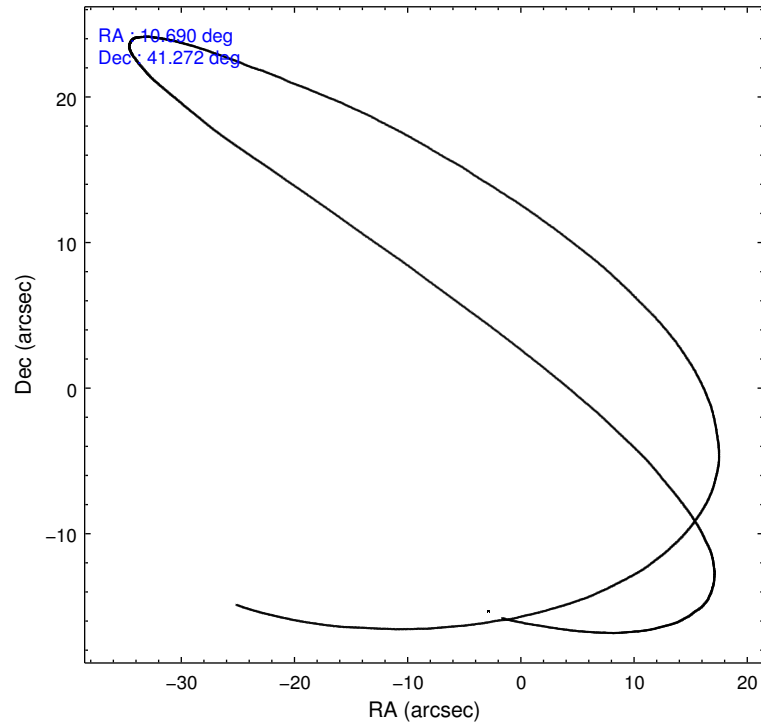
#### Level 1 Events

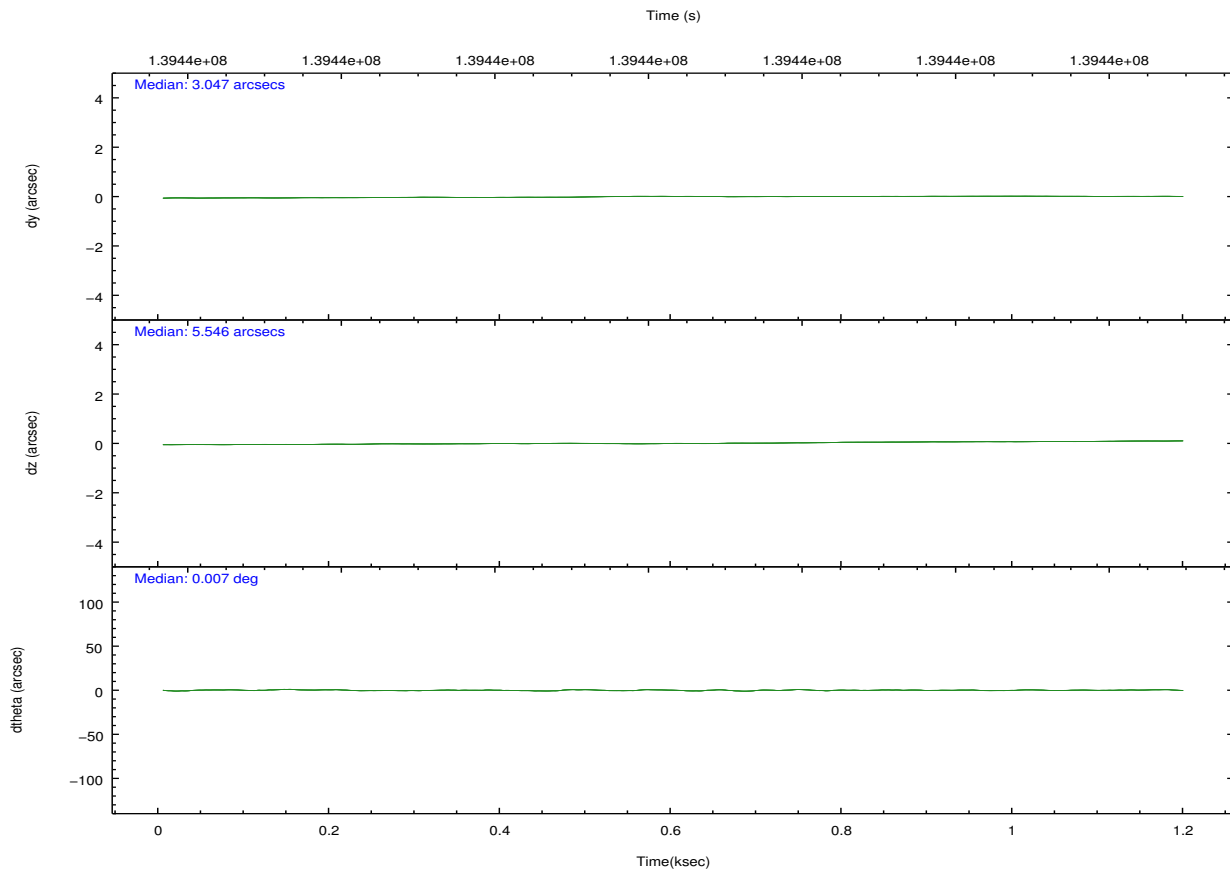
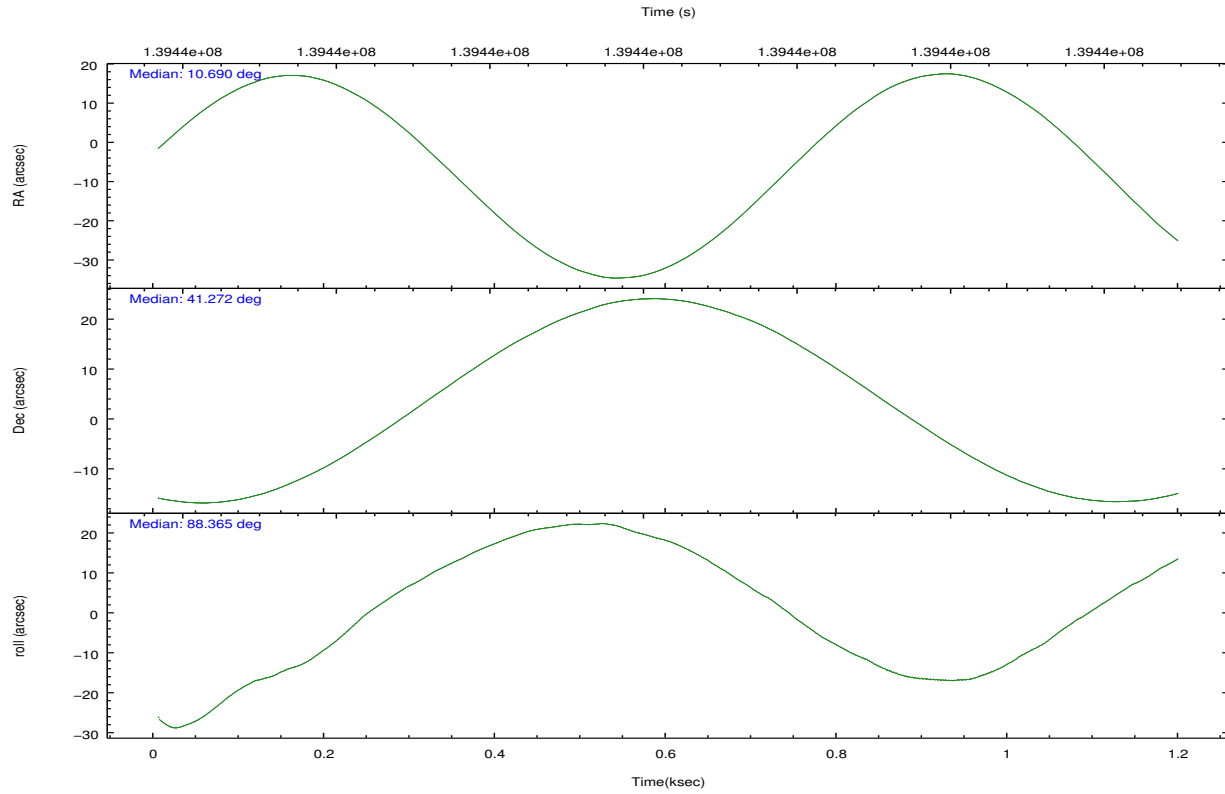
	<b>segment 0</b>
level 1 events	62541
rejected events	12945
rejected %	20%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
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			
[deg] Pointing RA	10.705137	10.68861388566248			
[deg] Pointing Dec	41.249231	41.27227450088774			
[deg] Pointing Roll	88.449871	88.36517848702167			
[s] Window start time (MET)	138844864.184000	138844864.184000			
[s] Window stop time (MET)	139363264.184000	139363264.184000			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	126.985494	126.9829799899862			
[mm] SIM translation stage offset	0	0.002508901615314585			
[s] Observation start time (MET)	139441032.184000	139440656.54709			
Observation start date	2002-06-02T21:36:08	2002-06-02T21:30:56			
[s] Observation end time (MET)	139442032.184000	139442166.37215			
Observation end date	2002-06-02T21:52:48	2002-06-02T21:56:06			

## 2.3 Aspect



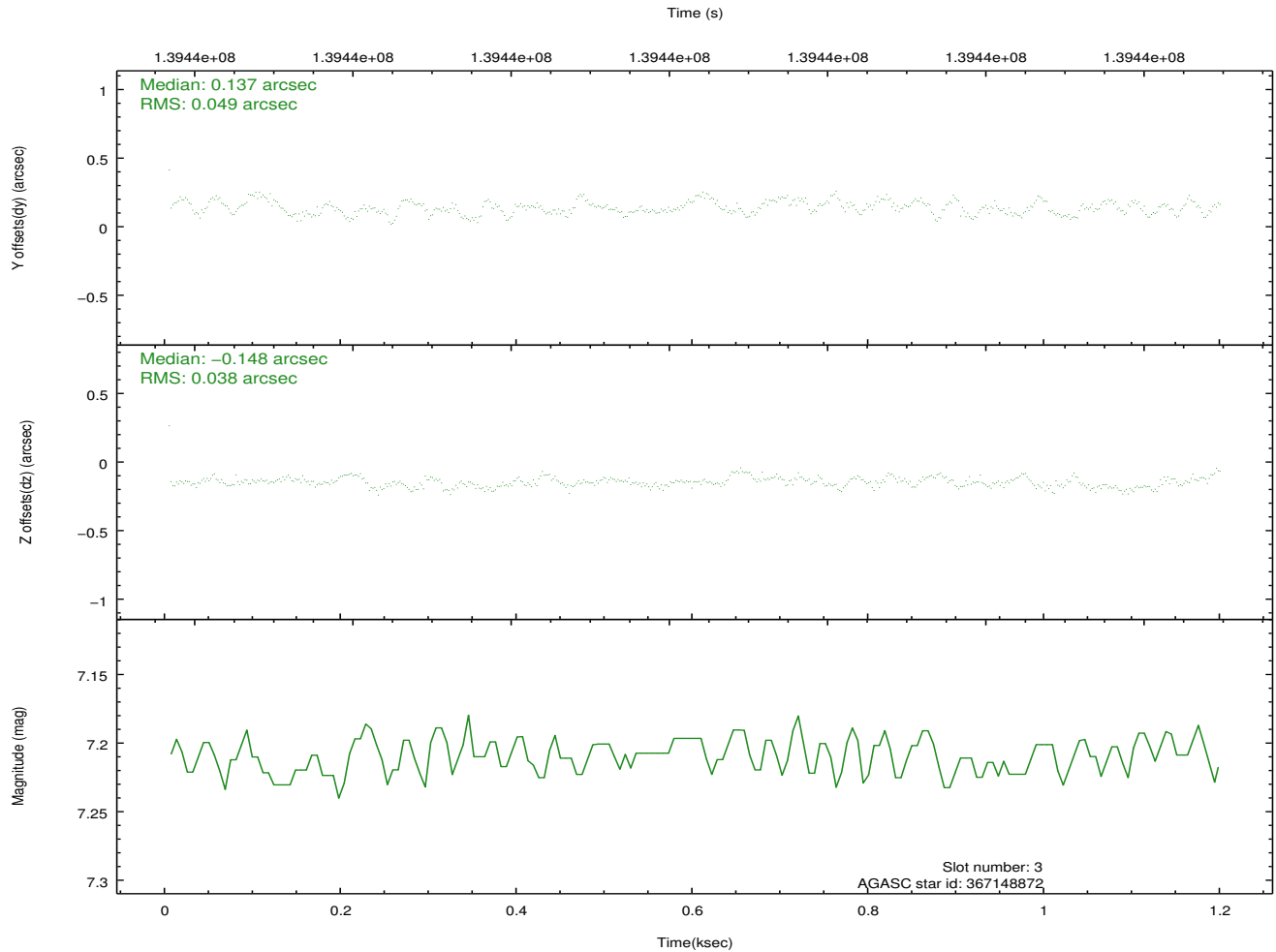
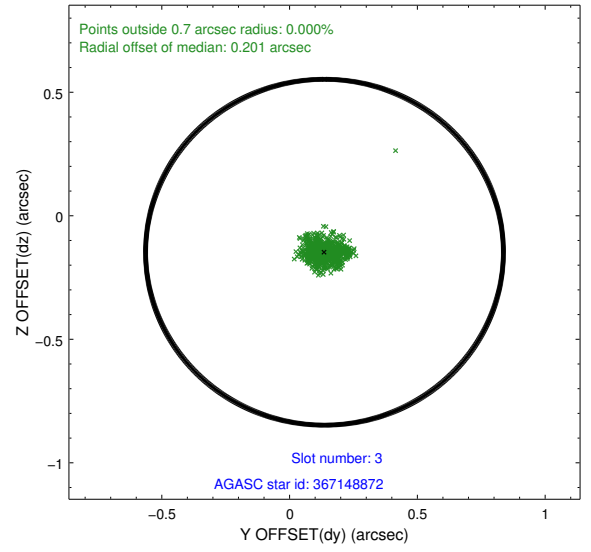
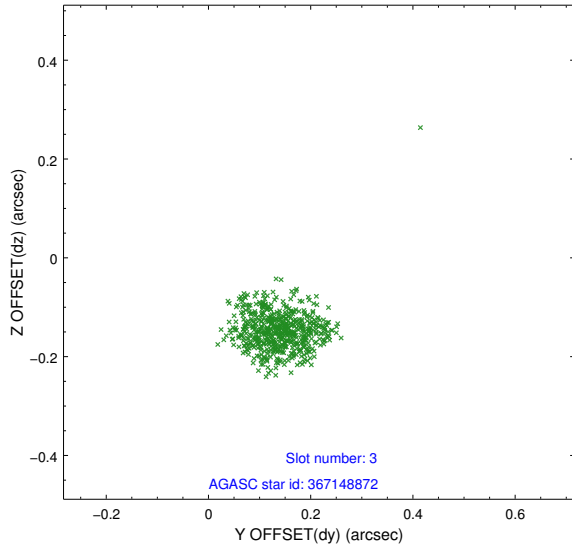


### Slot Statistics

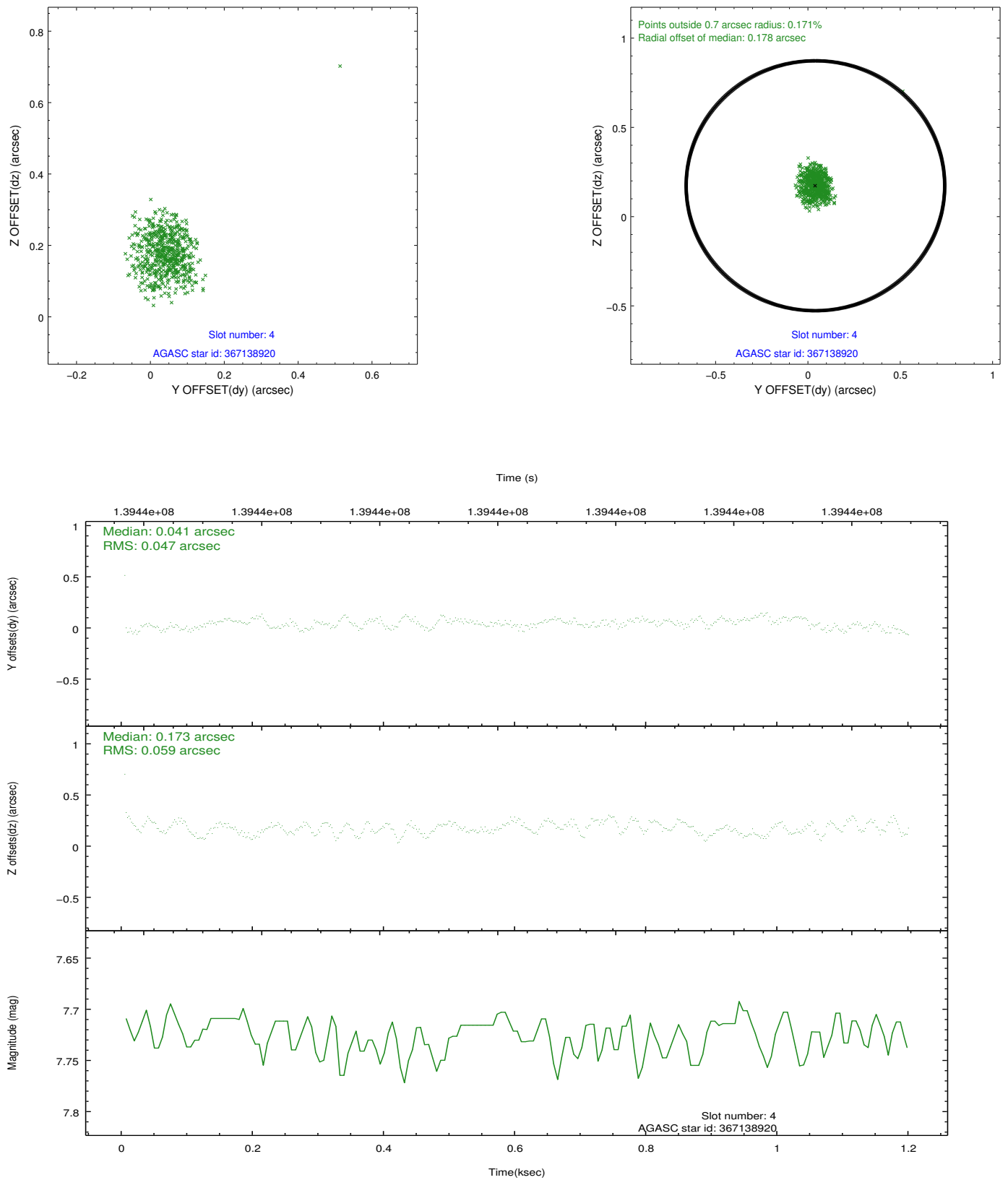
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-2	7.01	292	0.037	0.020	0.006	0.010	0.000000	0.000000	854.19	-1294.89
1	FID	HRC-I-3	7.06	292	0.018	-0.041	0.006	0.009	0.000000	0.000000	-1184.08	1006.70
2	FID	HRC-I-4	7.00	292	0.064	-0.065	0.006	0.010	0.000000	0.000000	1280.27	1012.22
3	GUIDE	367148872	7.21	584	0.137	-0.148	0.065	0.096	10.505940	40.688258	-2030.66	493.55
4	GUIDE	367138920	7.72	584	0.041	0.173	0.078	0.116	11.513485	40.808909	-1516.21	-2238.93
5	GUIDE	367674552	8.85	584	-0.074	0.149	0.064	0.108	11.016238	41.570845	1181.08	-805.25
6	GUIDE	367663272	9.30	583	-0.008	-0.133	0.084	0.133	10.656279	41.699429	1620.72	178.48
7	GUIDE	367665472	9.49	583	-0.094	-0.047	0.087	0.148	10.241611	41.730843	1707.70	1296.87

## 2.4 Star Slots

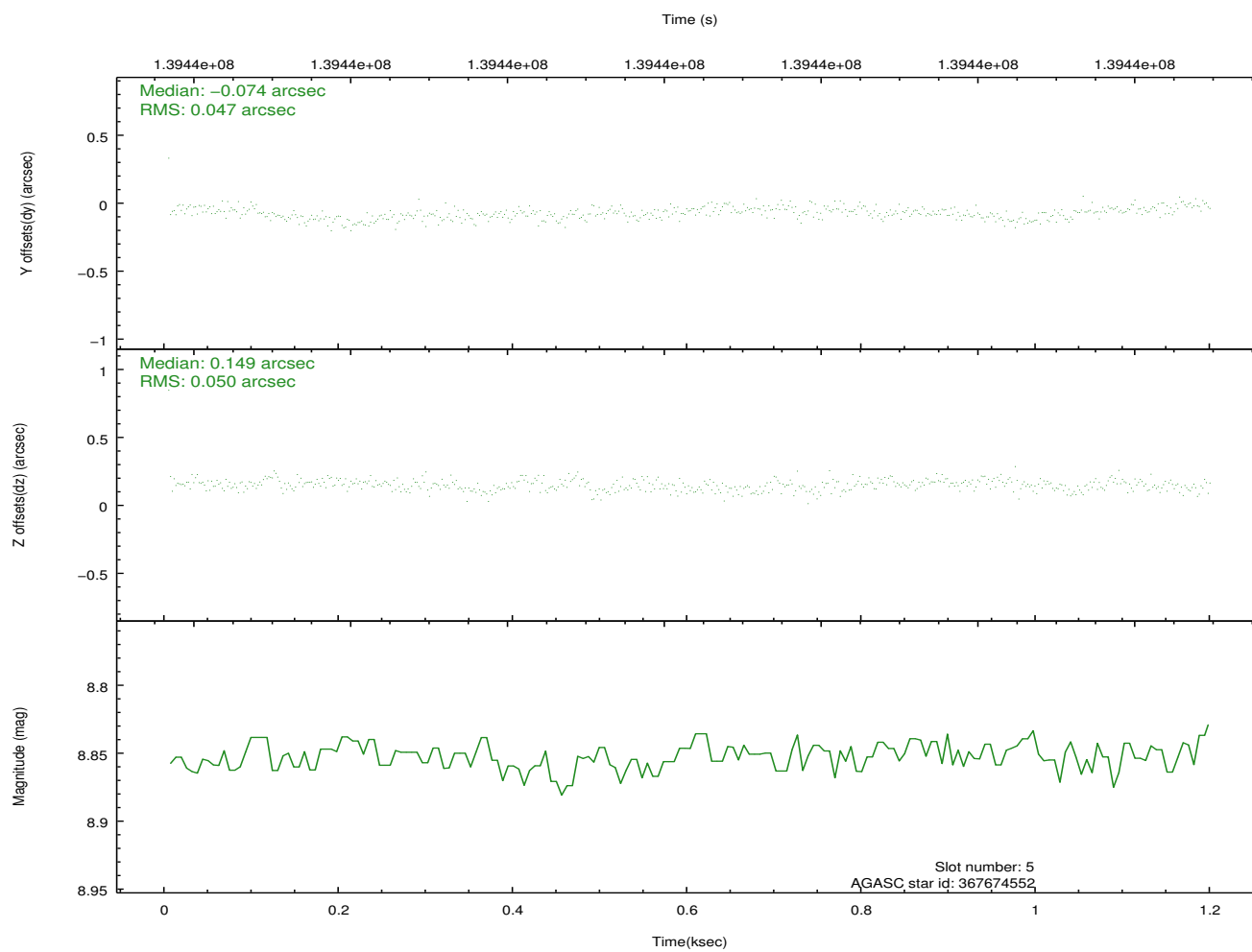
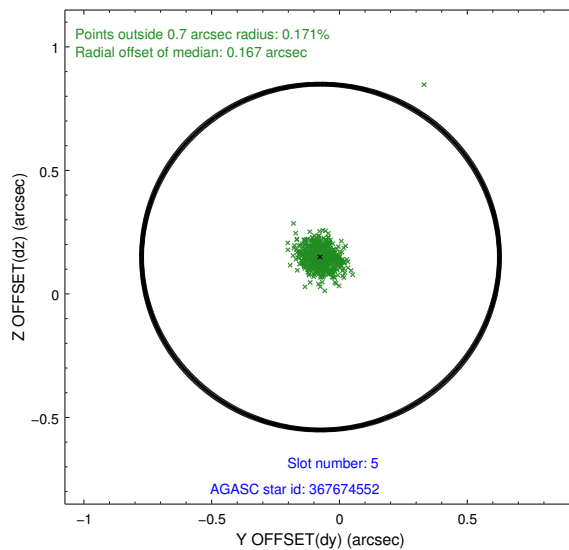
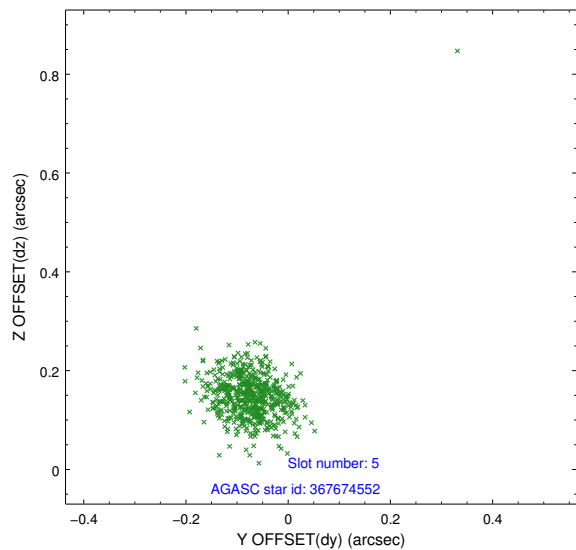
### 2.4.1 Slot 3



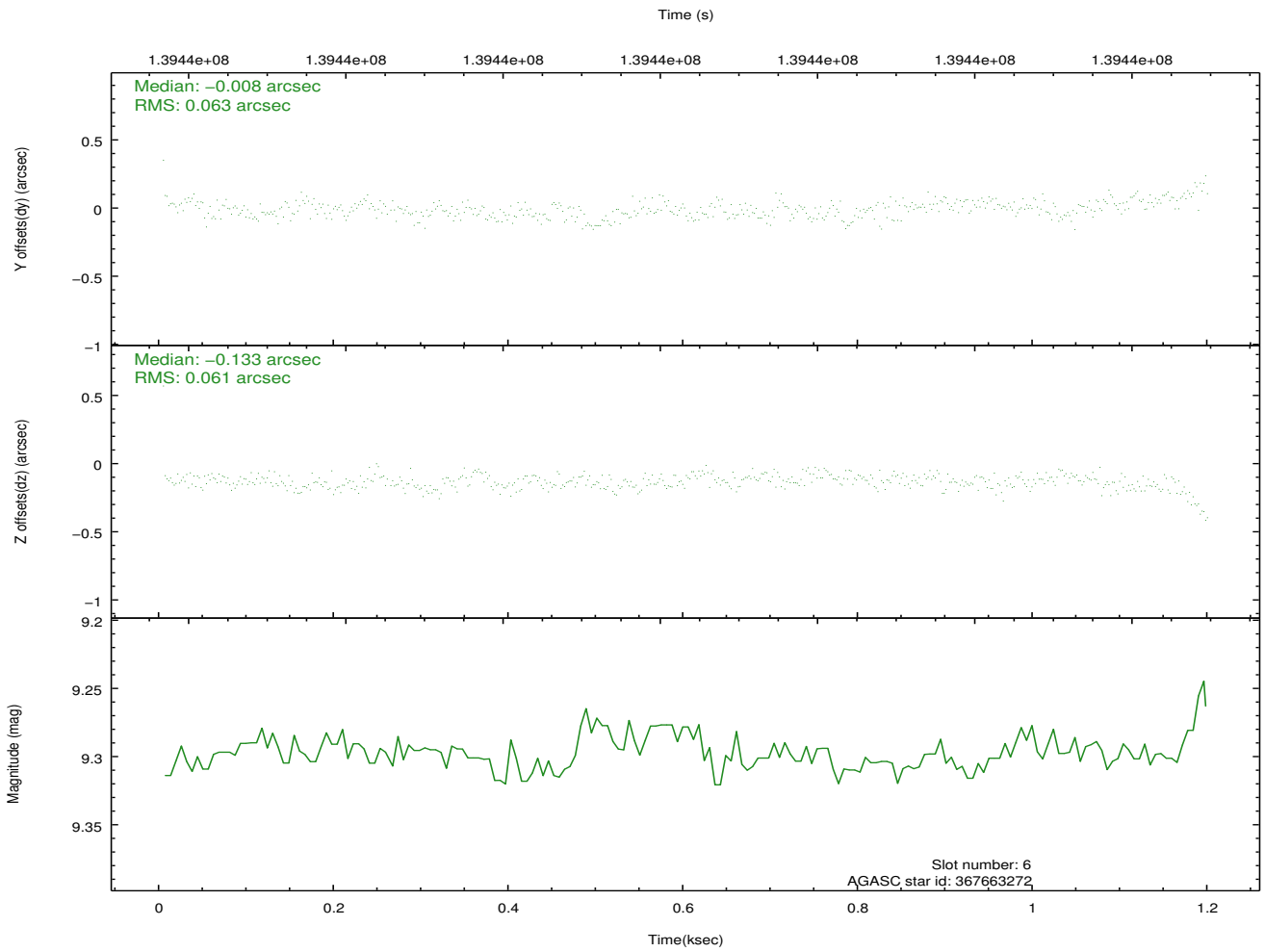
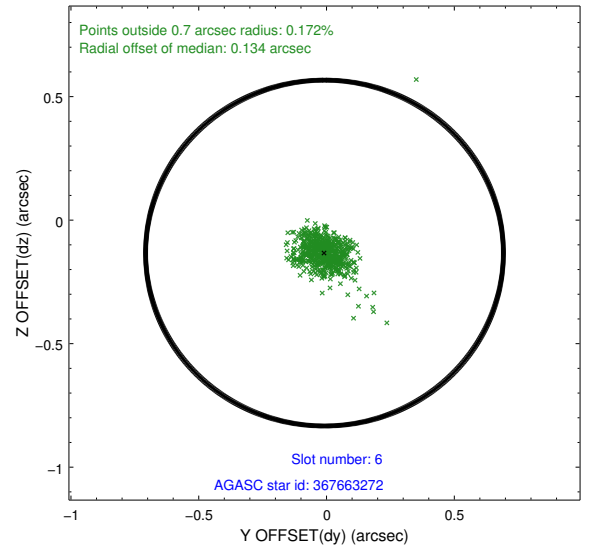
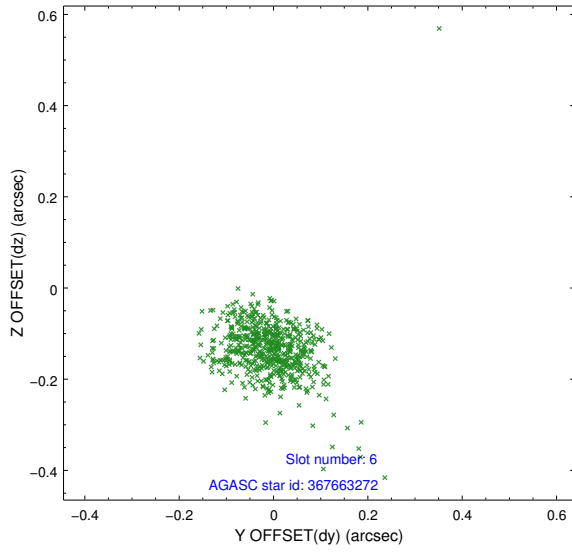
## 2.4.2 Slot 4



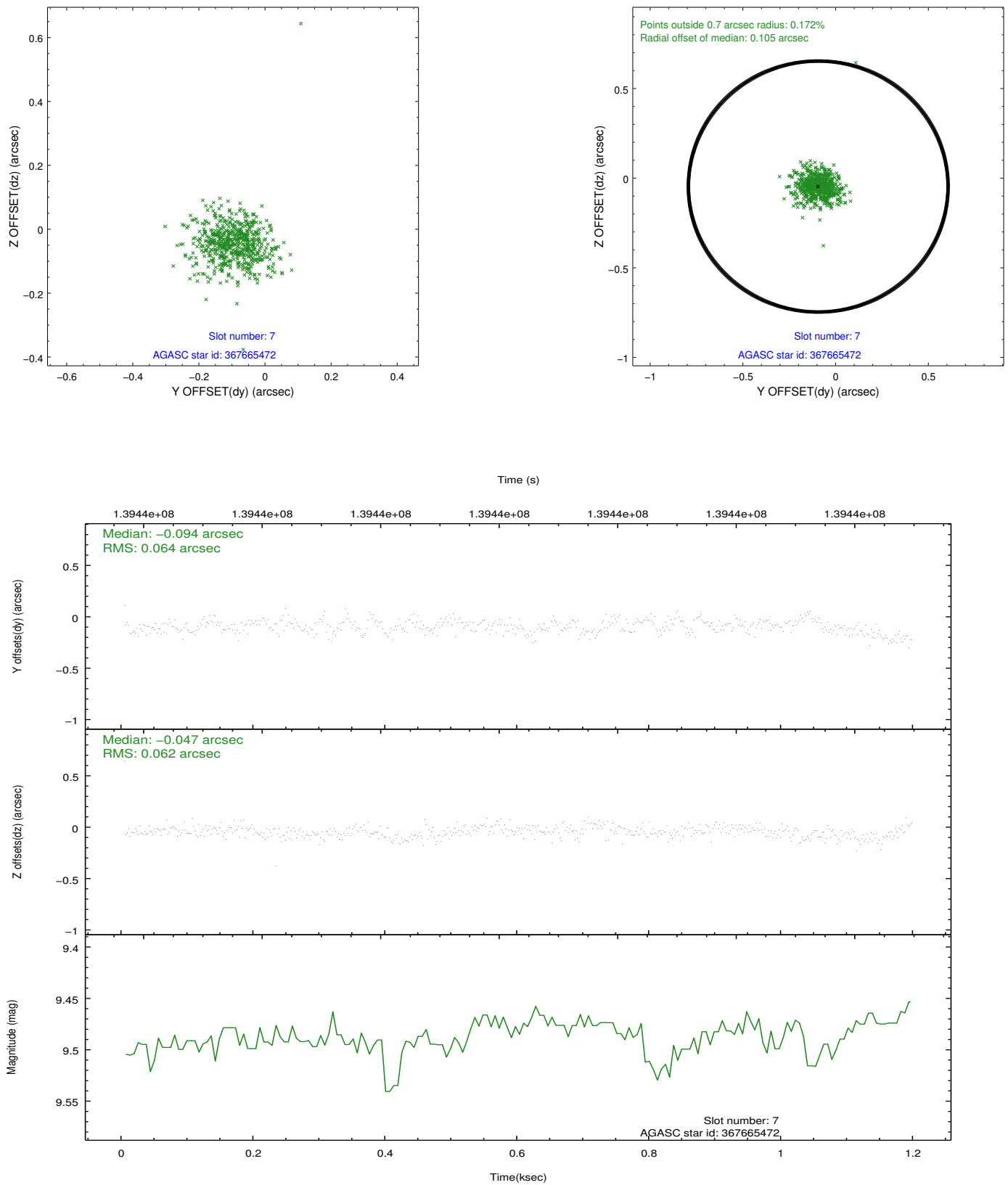
### 2.4.3 Slot 5



## 2.4.4 Slot 6

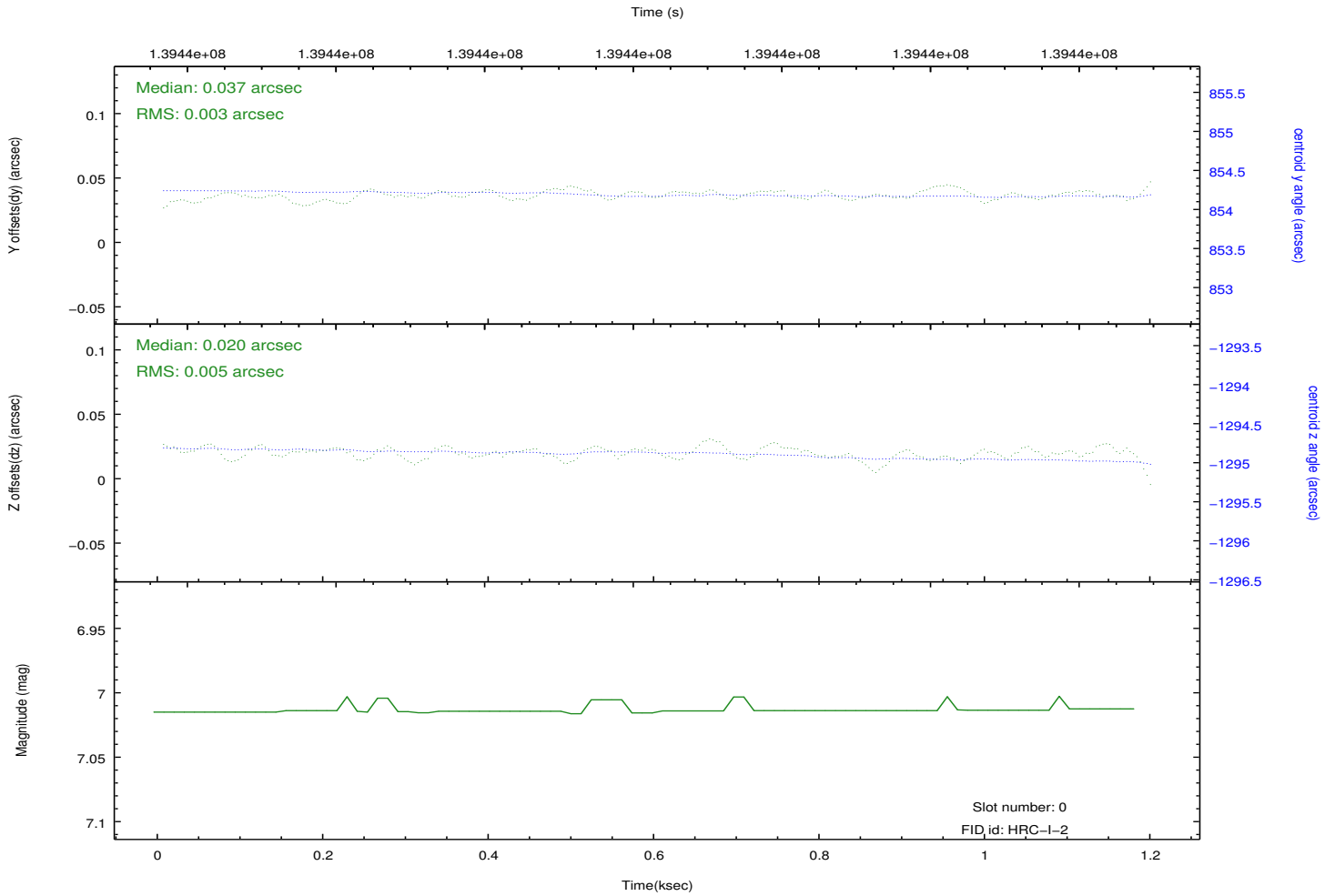
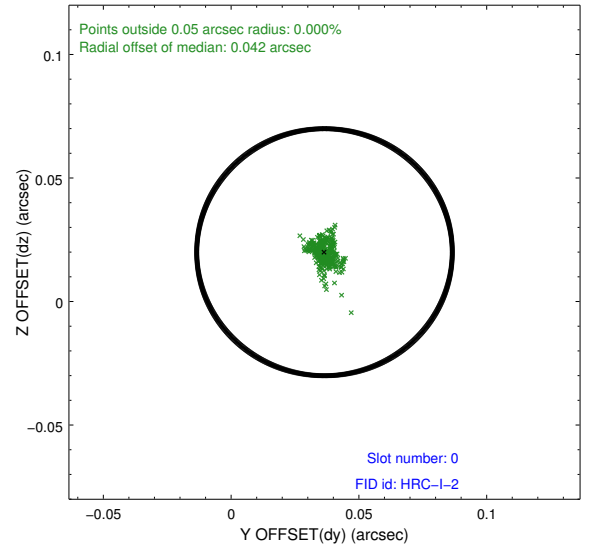
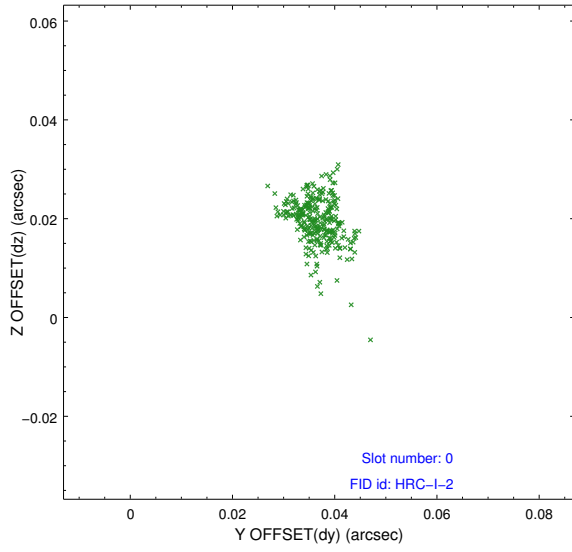


## 2.4.5 Slot 7

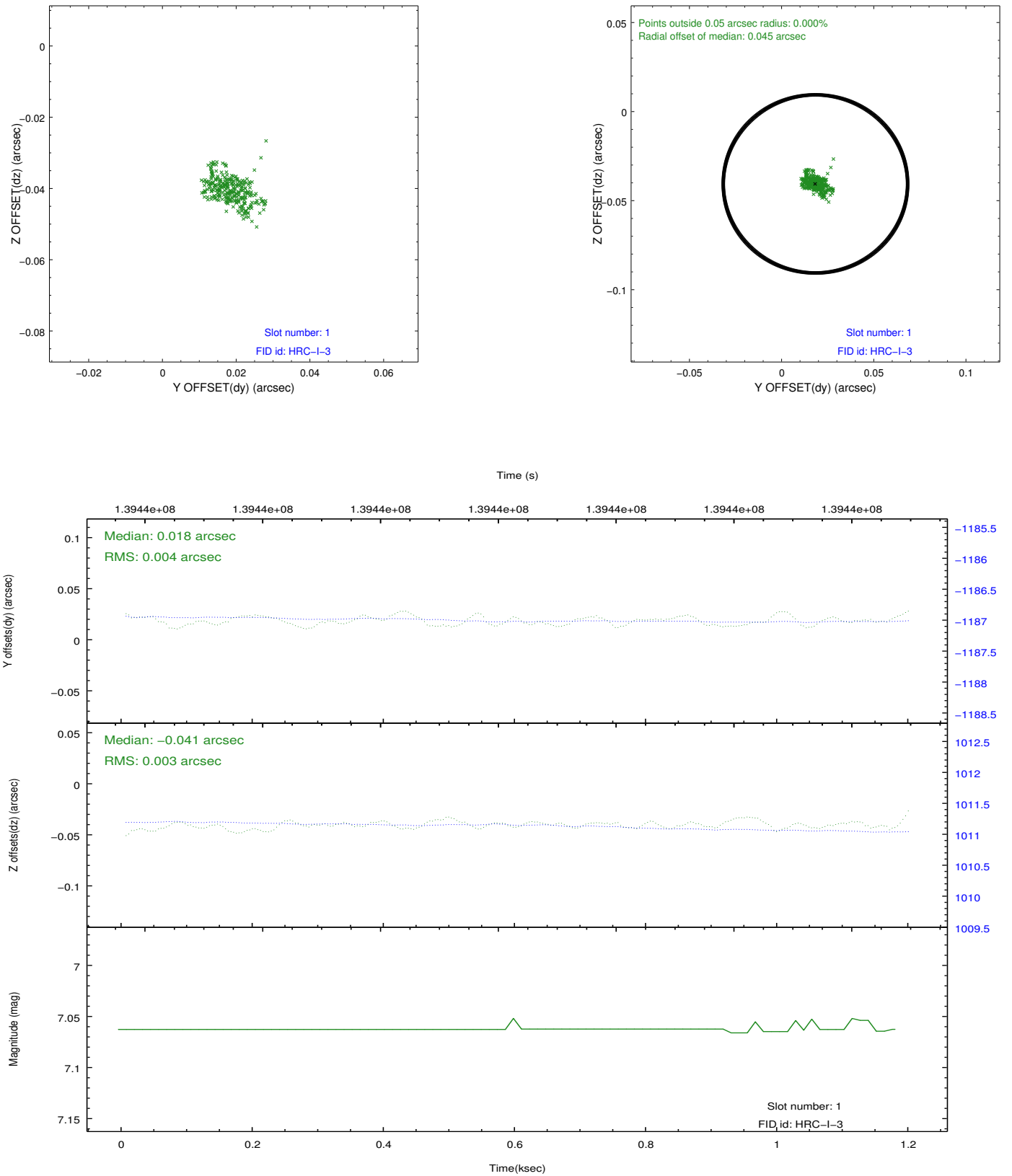


## 2.5 FID Slots

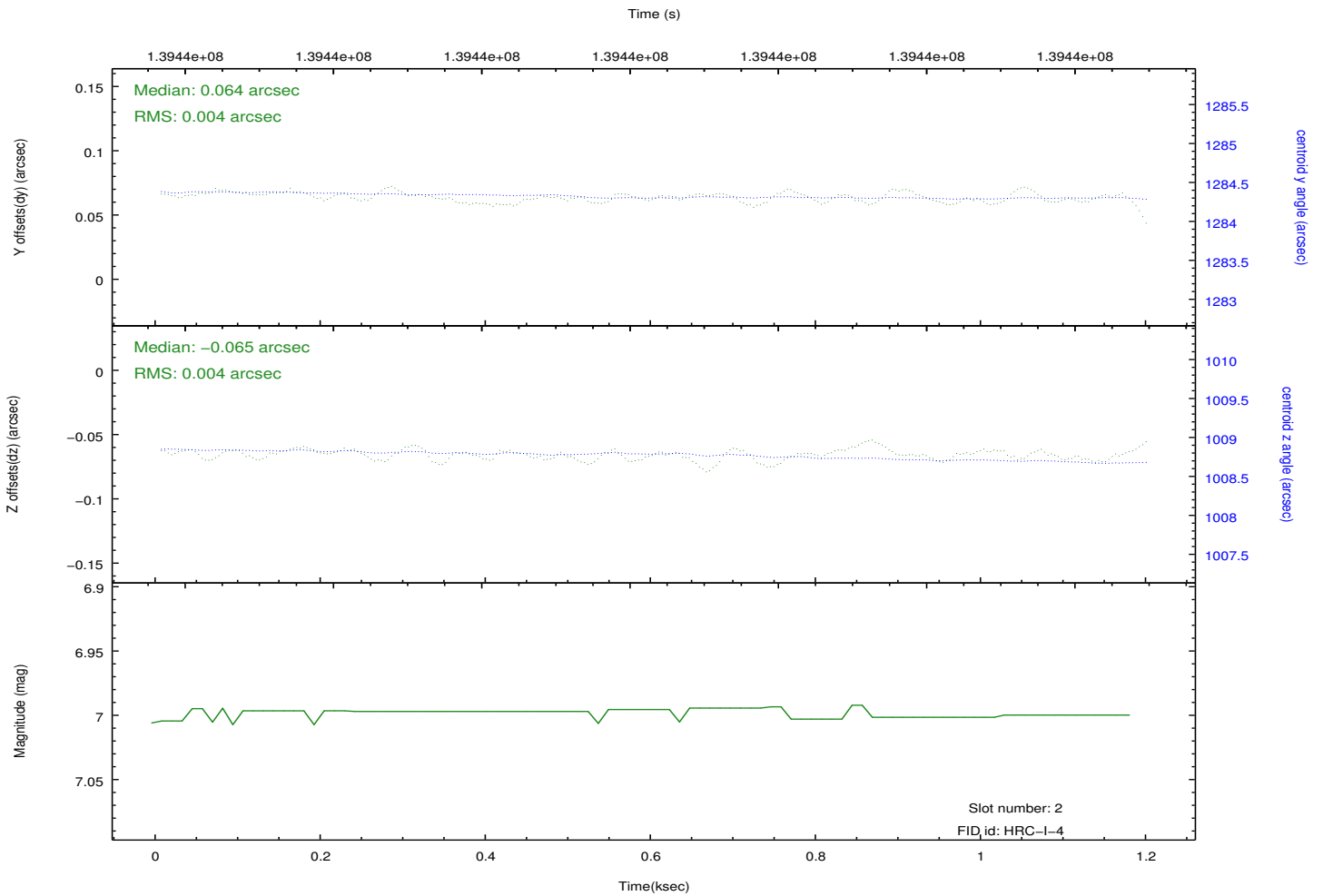
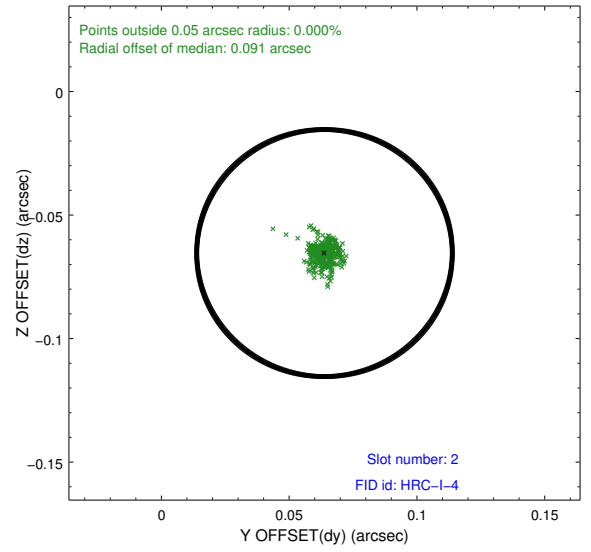
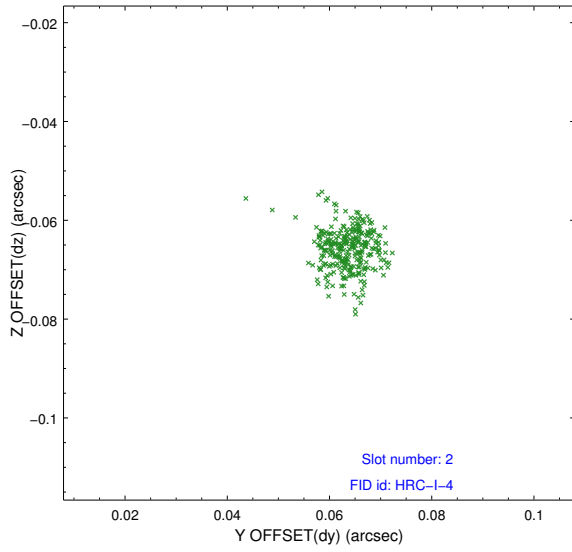
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



# A Summary

## A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.10.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.194

## A.2 Comments

Window preference was not met.