

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 2888 - L2 Version 4  
Chandra X-Ray Center

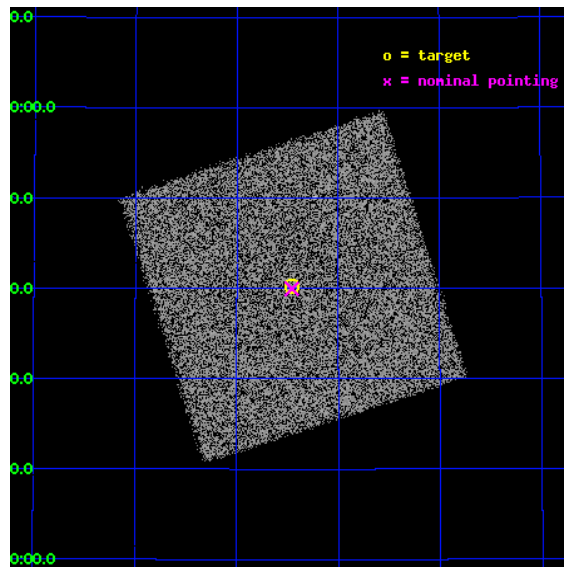
L2 Processing Date : Sep 30 2012

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# 1 Front

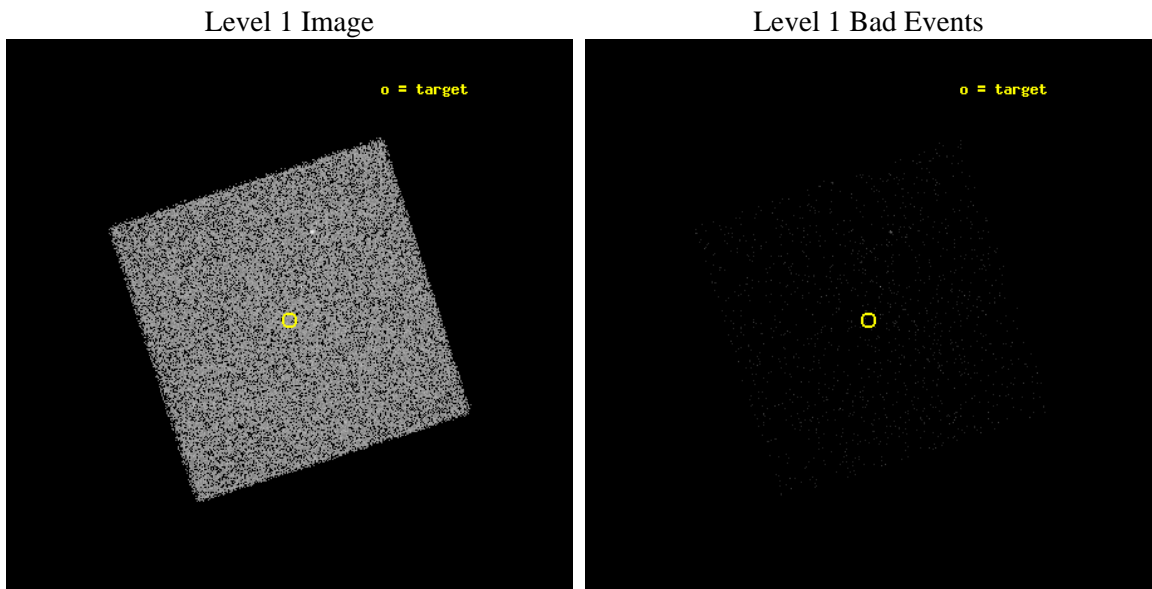
seq_num	600225	Sequence number
obs_id	2888	Observation id
title	SEARCHING FOR X-RAY TRANSIENTS IN M31 WITH CHANDRA AND HST	Proposa
observer	Dr. Michael Garcia	Principal investigator
object	M31-S2	Source name
ra_targ	10.112917	Observer's specified target RA [deg]
dec_targ	40.67	Observer's specified target Dec [deg]
ra_nom	10.114066251285	Nominal RA [deg]
dec_nom	40.666239872358	Nominal Dec [deg]
roll_nom	297.09392232453	Nominal Roll [deg]
revision	4	Processing version of data
ontime	981.18128947914	[s]
livetime	974.02319245049	Ontime multiplied by DTCOR
l2events	48905	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	981.18128947914	[s]
caldbver	4.5.2	&#160	l1events	82491	Number of level 1 events
date	2012-09-30T04:10:46	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

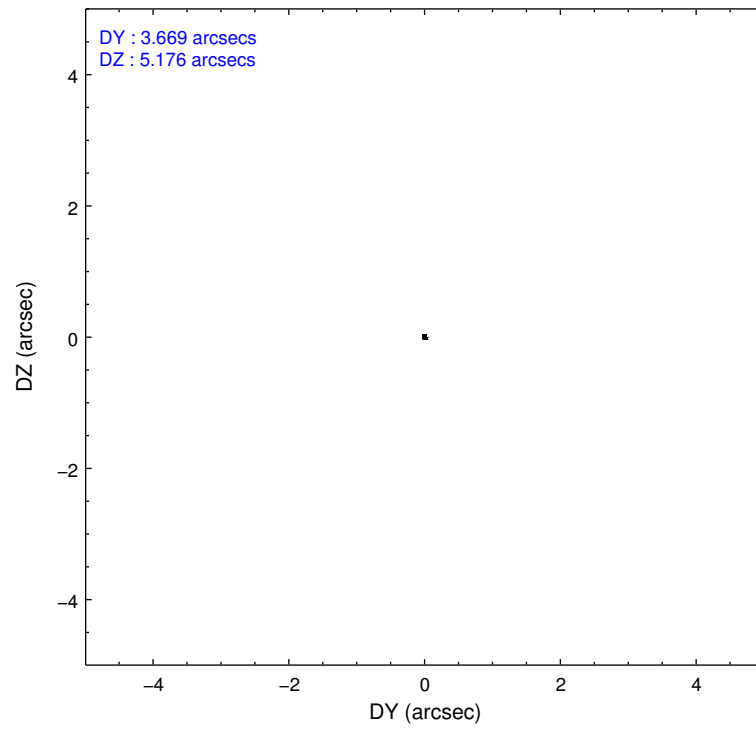
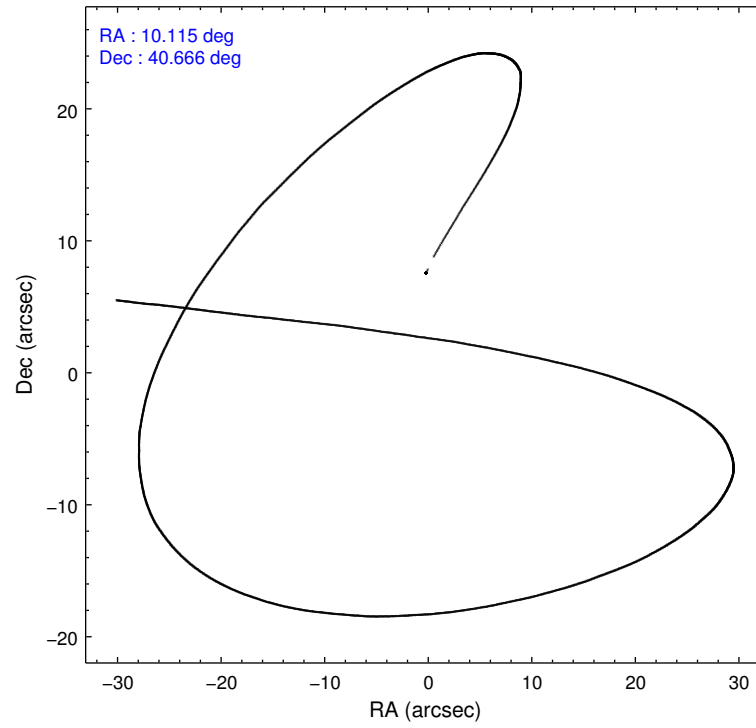
#### Level 1 Events

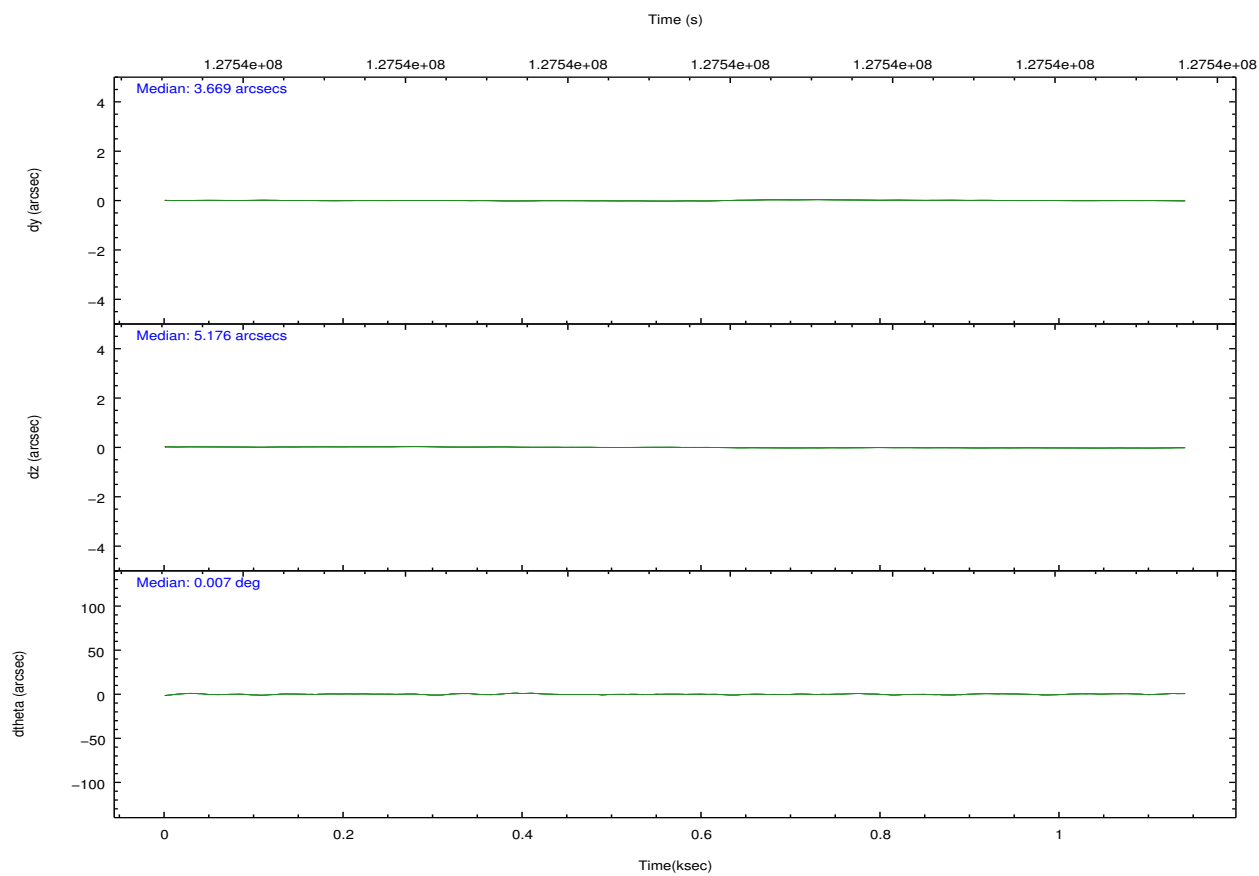
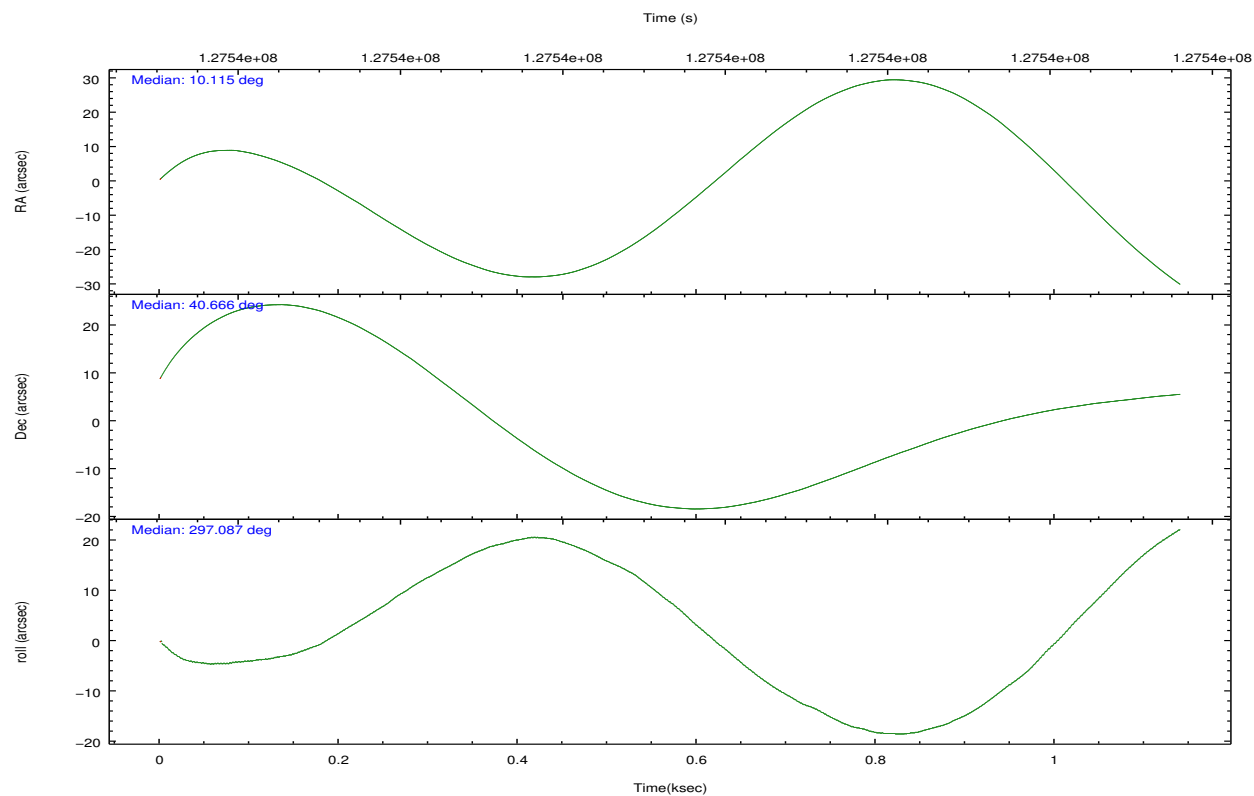
	<b>segment 0</b>
level 1 events	82491
rejected events	12662
rejected %	15%

## 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	10.082899	10.1140662512849			
[deg] Pointing Dec	40.680038	40.66623987235828			
[deg] Pointing Roll	297.209766	297.0939223245305			
[s] Window start time (MET)	127353664.184000	127353664.184000			
[s] Window stop time (MET)	127958464.184000	127958464.184000			
[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)	127541102.184000	127540043.72699			
Observation start date	2002-01-16T04:03:58	2002-01-16T03:47:23			
[s] Observation end time (MET)	127542102.184000	127542236.20208			
Observation end date	2002-01-16T04:20:38	2002-01-16T04:23:56			

## 2.3 Aspect





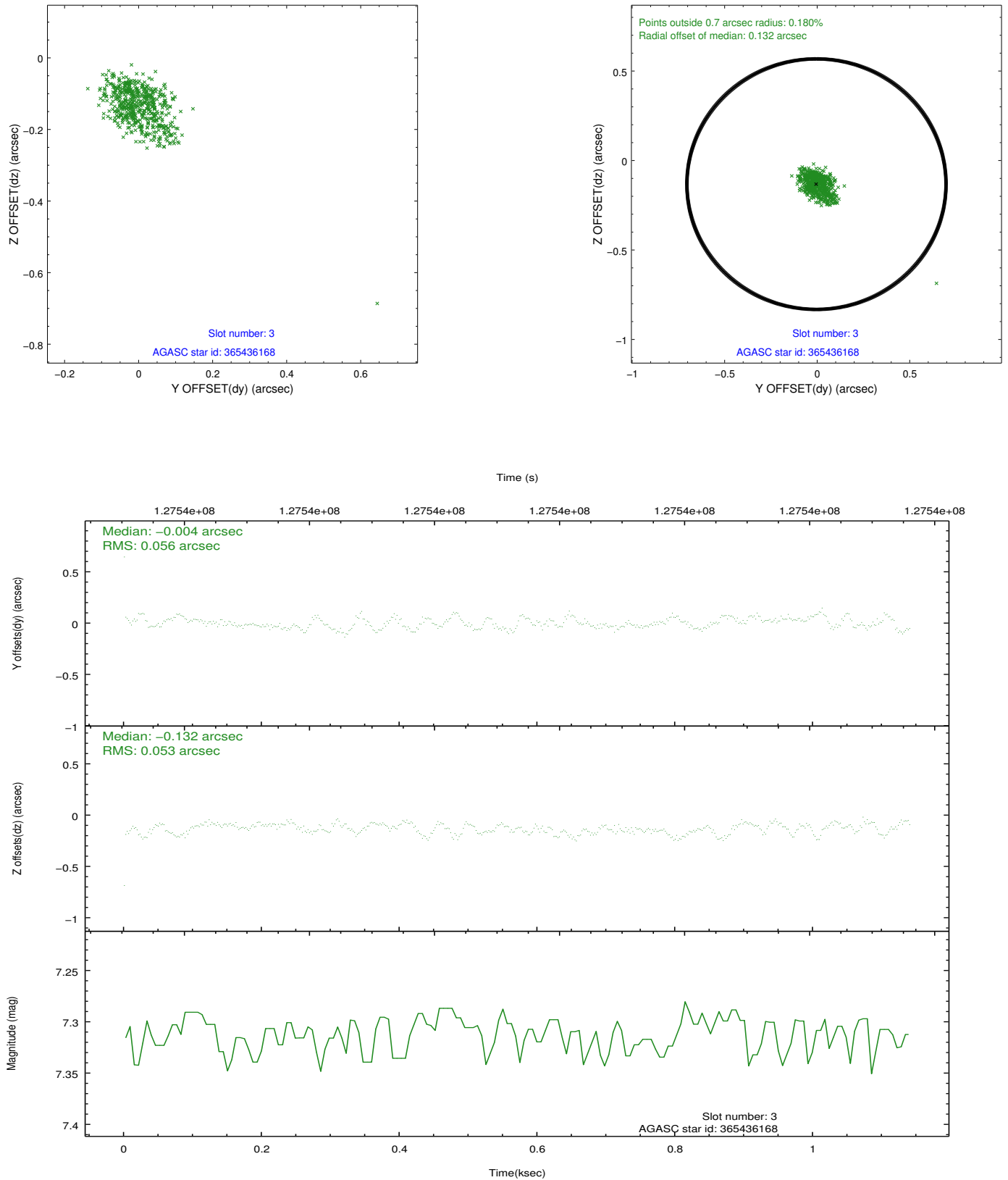
### Slot Statistics

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	279	0.005	0.051	0.007	0.015	0.000000	0.000000	-759.13	-1292.94
1	FID	HRC-I-2	7.00	279	0.080	-0.054	0.006	0.012	0.000000	0.000000	850.86	-1299.20
2	FID	HRC-I-3	7.05	279	0.034	-0.087	0.006	0.013	0.000000	0.000000	-1184.59	1006.83
3	GUIDE	365436168	7.31	557	-0.004	-0.132	0.071	0.123	9.360006	40.332380	198.62	-2336.39
4	GUIDE	365431072	9.00	557	-0.126	0.033	0.072	0.122	9.376278	41.092224	-2203.20	-1030.84
5	GUIDE	365439720	8.47	557	0.052	-0.081	0.060	0.092	9.704623	40.431022	317.17	-1336.08
6	GUIDE	367139648	8.19	557	0.080	0.147	0.062	0.110	11.021290	40.433909	1951.74	1882.49
7	GUIDE	367139768	7.99	556	0.003	0.043	0.080	0.119	11.069715	40.685175	1204.81	2411.23

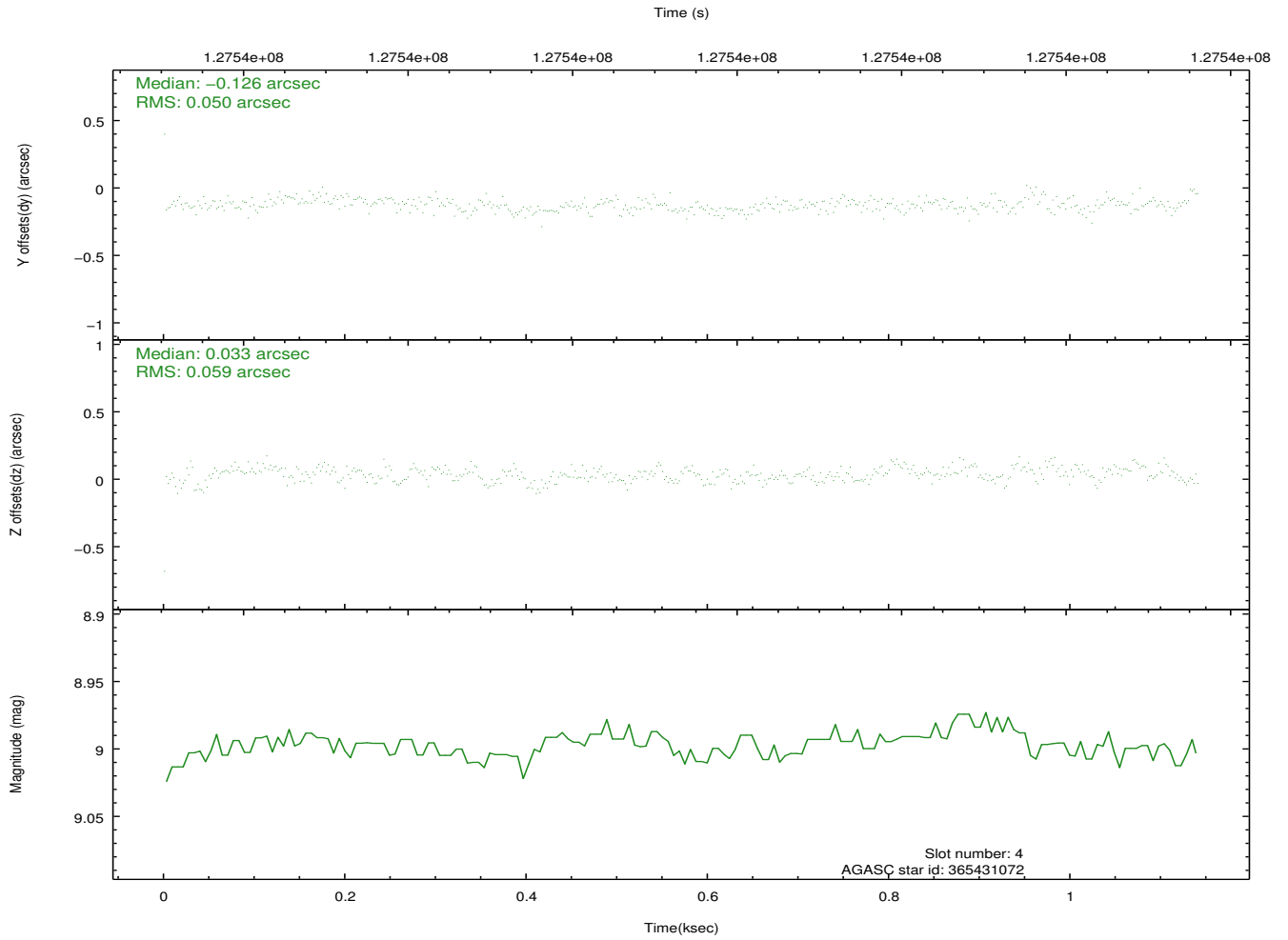
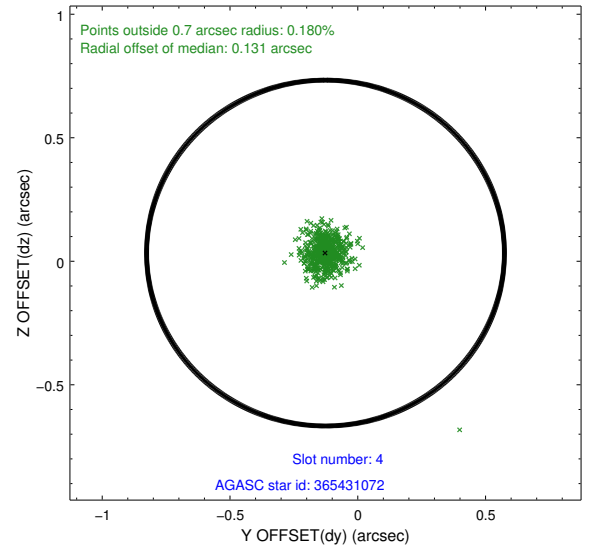
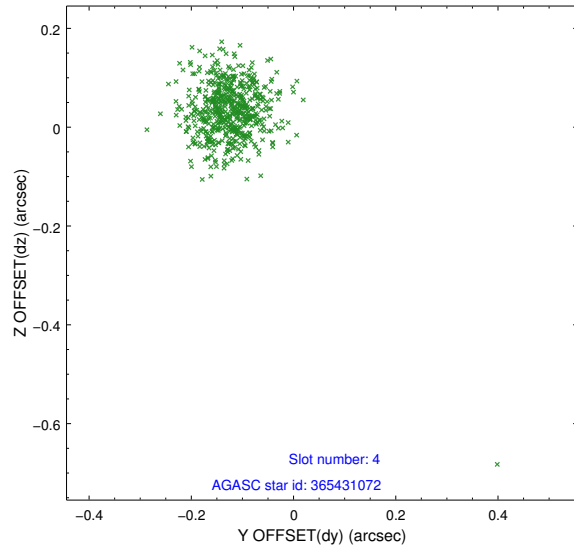


## 2.4 Star Slots

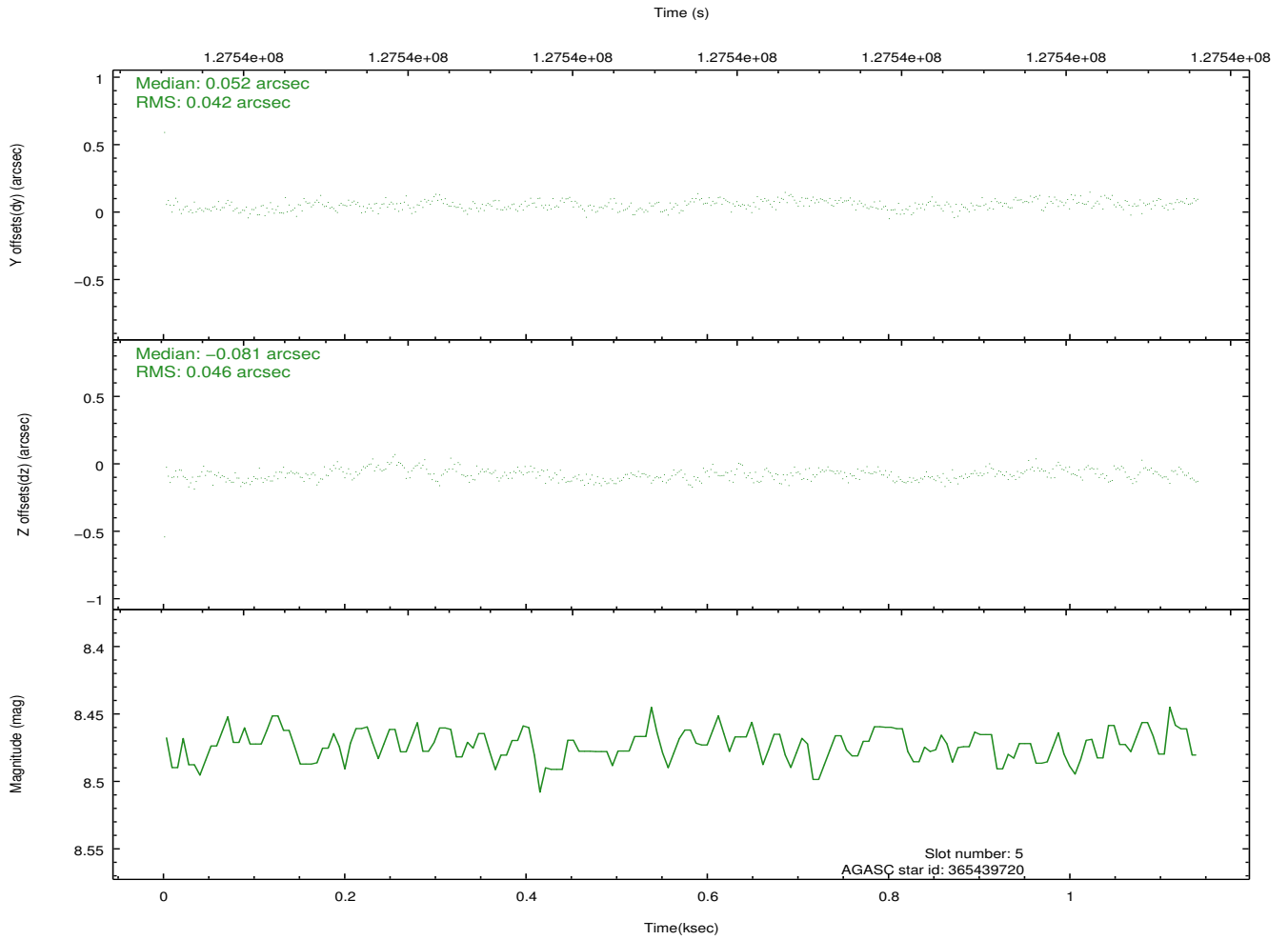
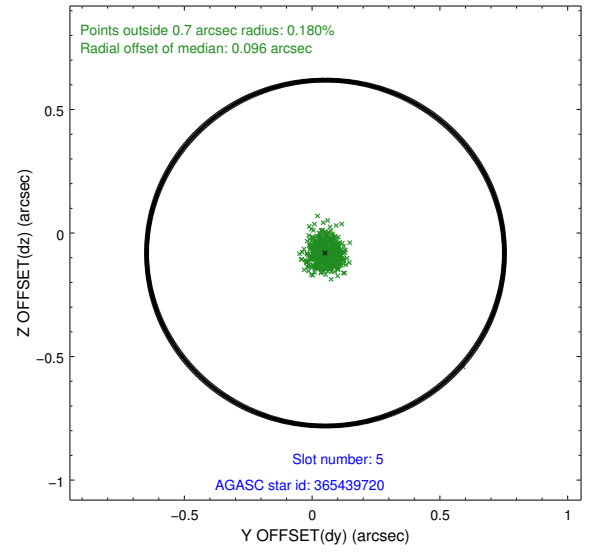
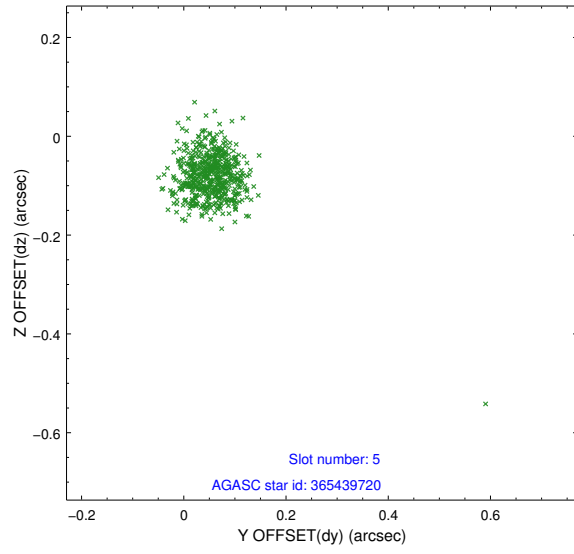
### 2.4.1 Slot 3



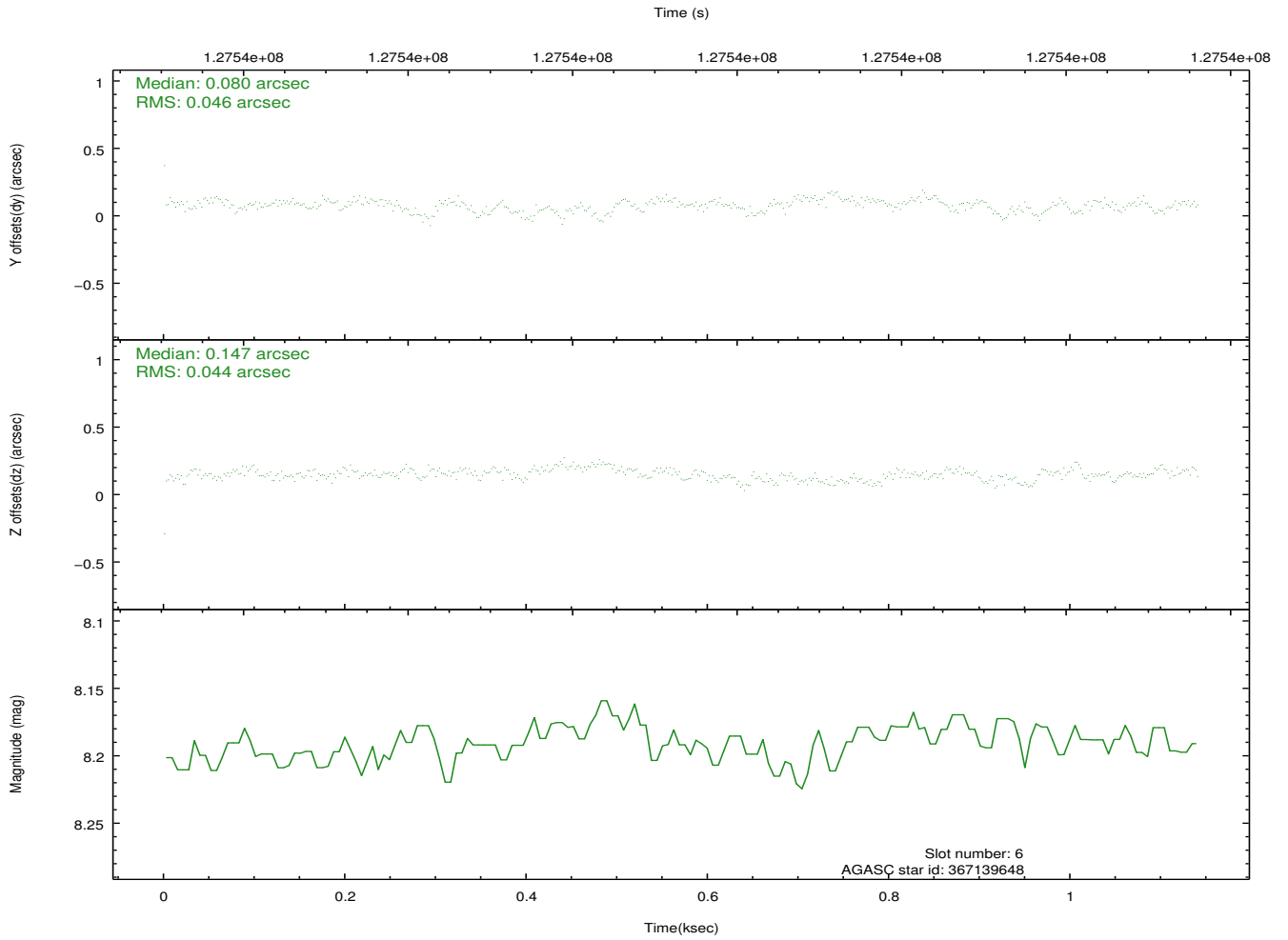
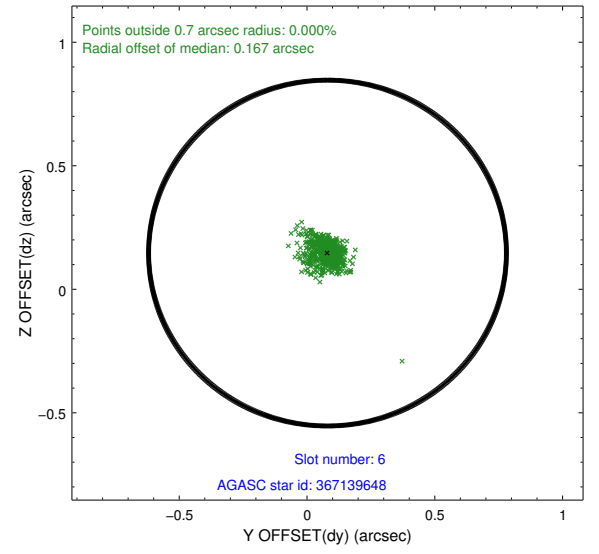
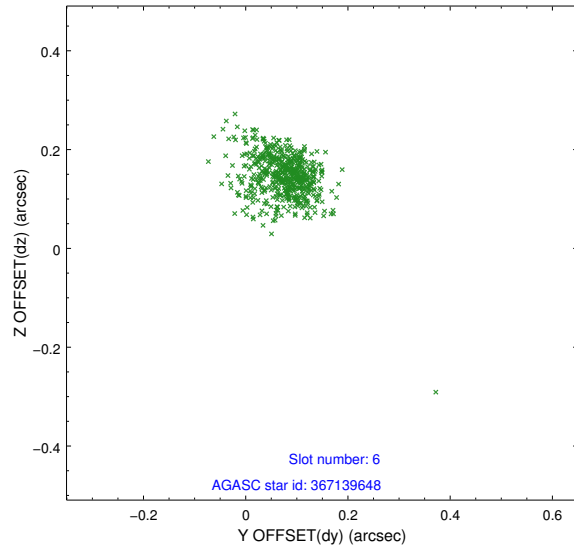
## 2.4.2 Slot 4



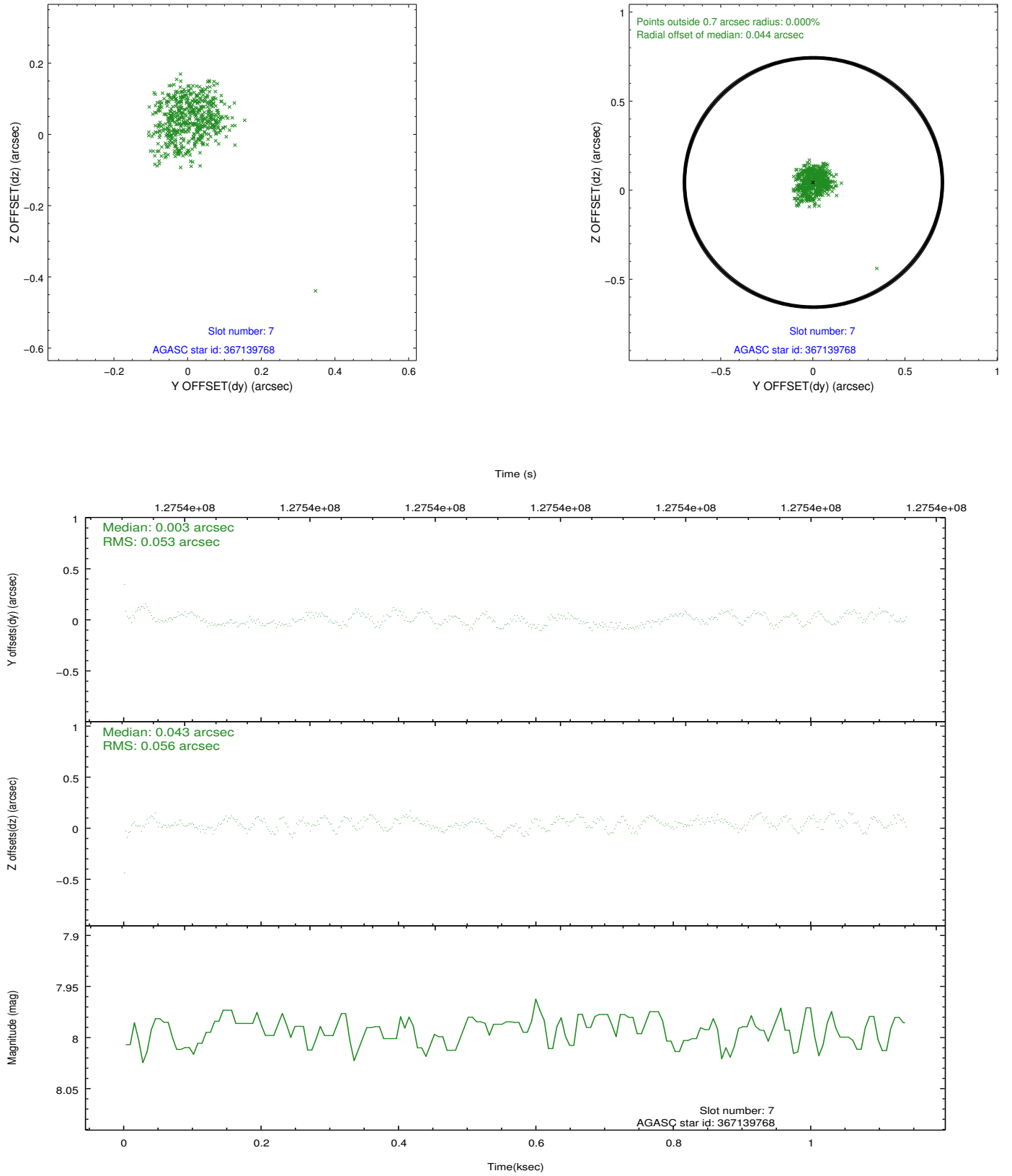
### 2.4.3 Slot 5



## 2.4.4 Slot 6

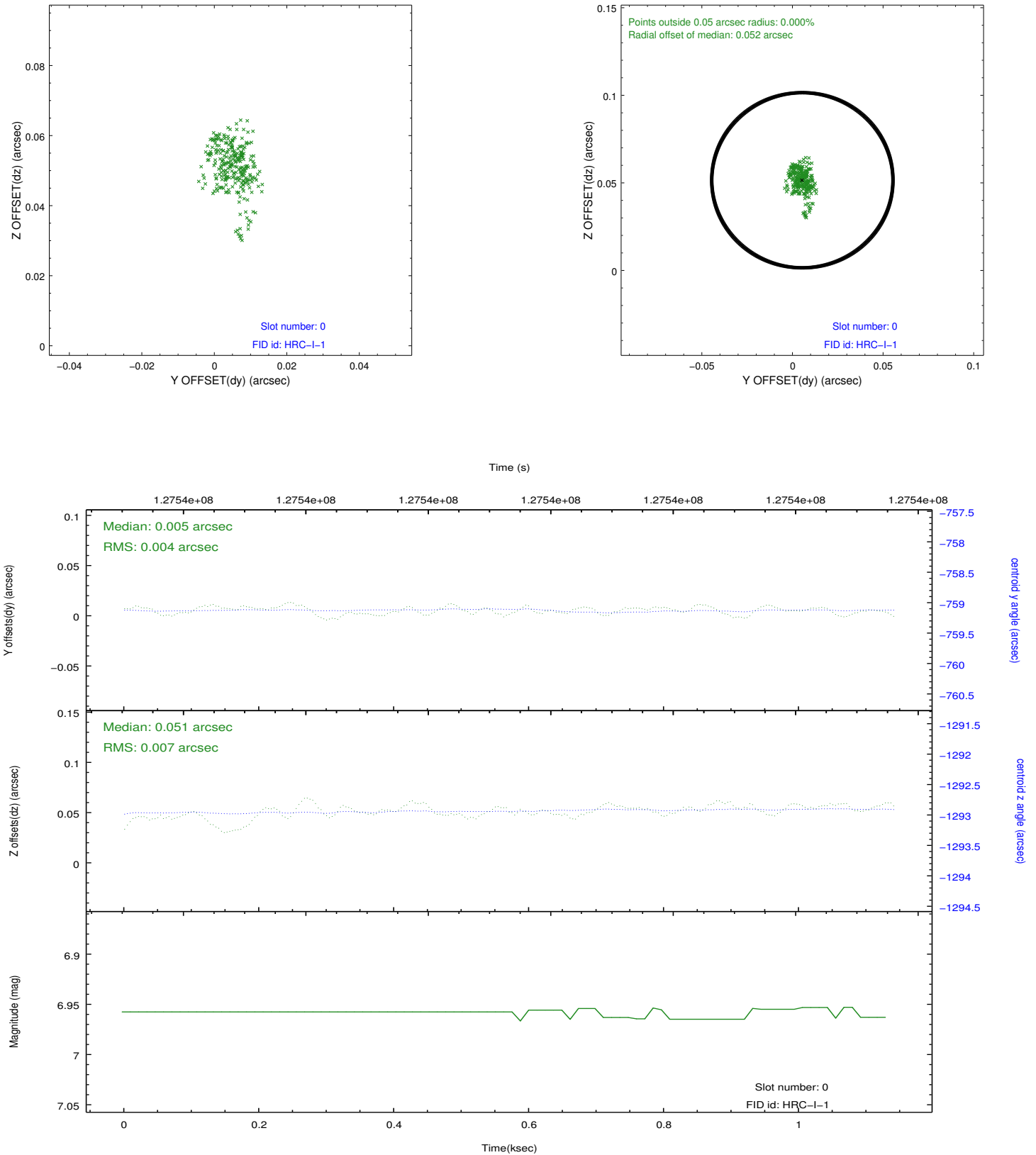


## 2.4.5 Slot 7

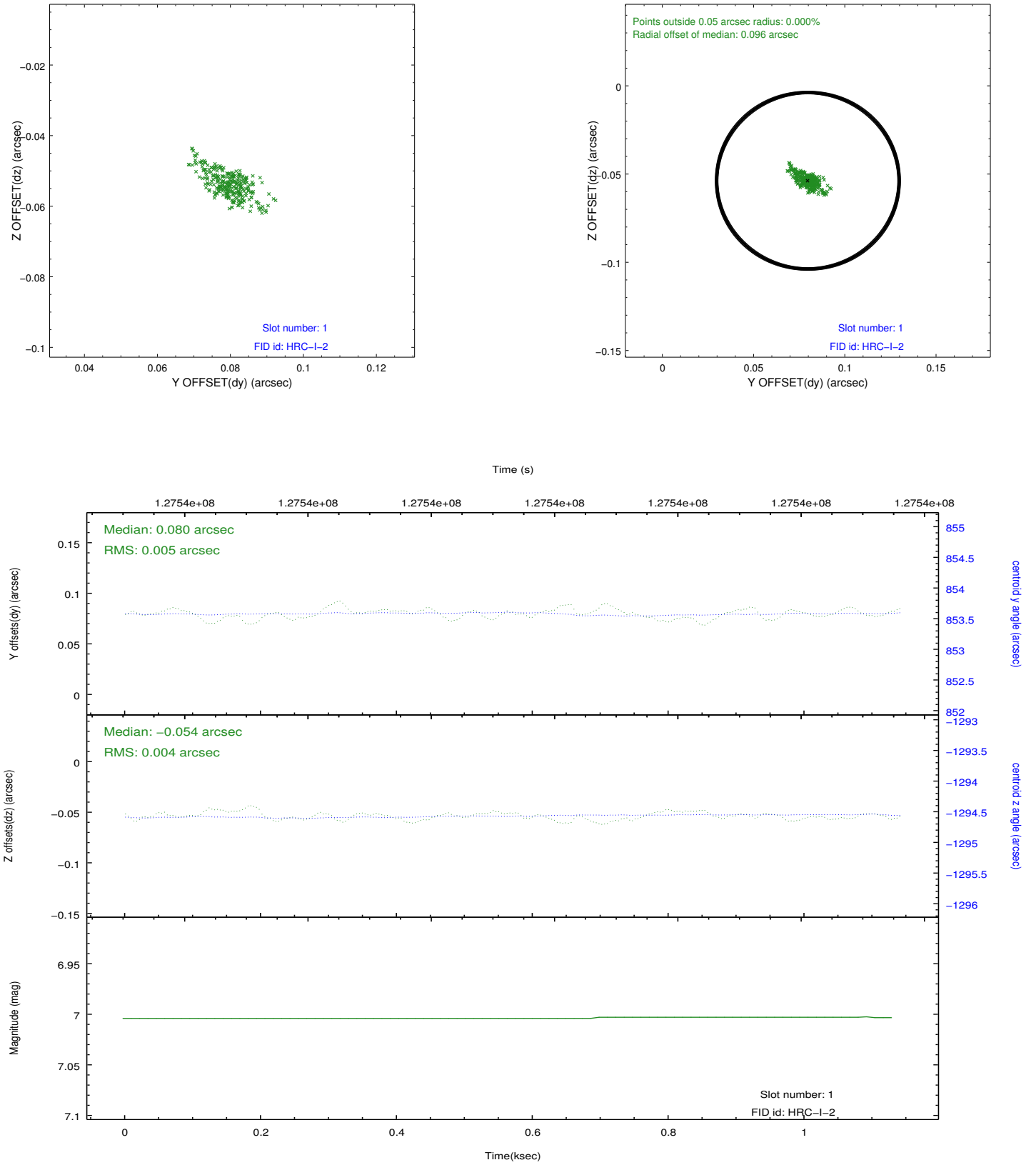


## 2.5 FID Slots

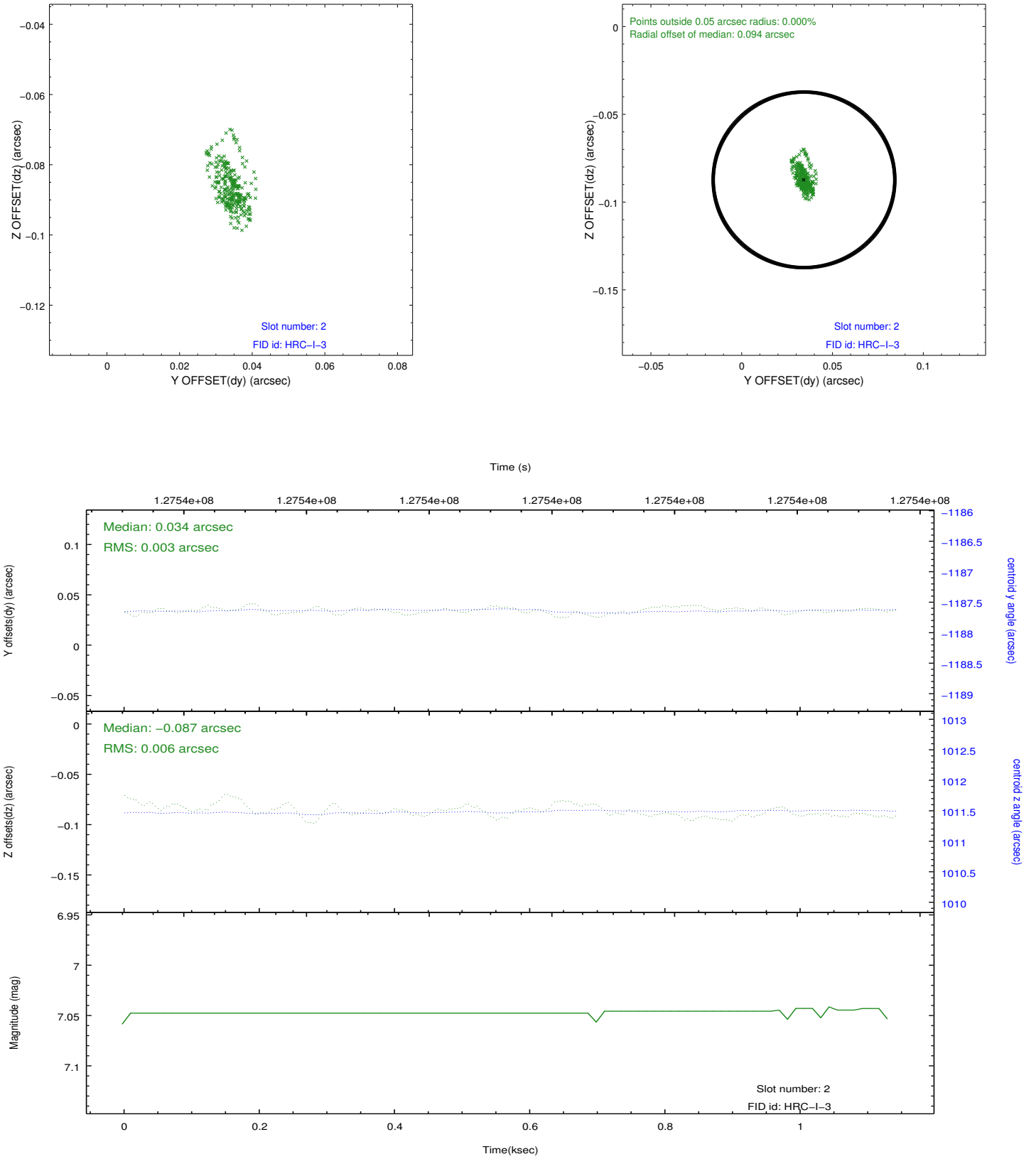
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2





## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.10.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	0.981

### A.2 Comments

Window constraint satisfied.