

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 1818 - L2 Version 4  
Chandra X-Ray Center

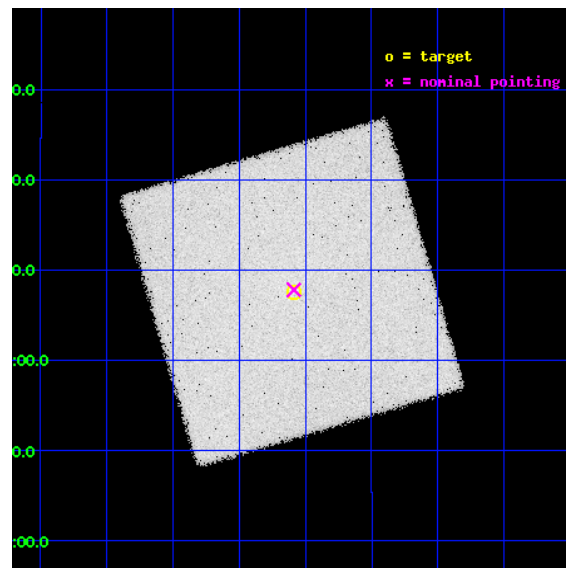
L2 Processing Date : Sep 20 2012

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# 1 Front

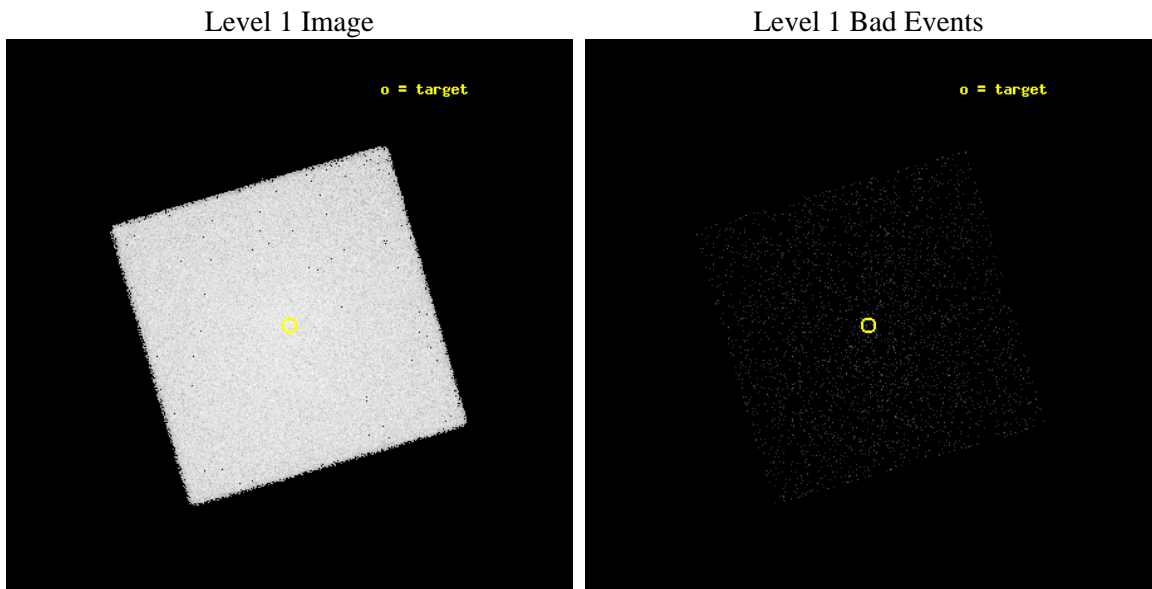
seq_num	100009	Sequence number
obs_id	1818	Observation id
title	SOLVING THE PUZZLE OF COMETARY X-RAY ORIGIN: OBSERVATIONS OF COMET 10P/TEMPEL 2	Proposal title
observer	DR W. THOMAS VESTRAND	Principal investigator
object	LINEAR 2001 A2	Source name
ra_targ	348.522672	Observer's specified target RA [deg]
dec_targ	8.125642	Observer's specified target Dec [deg]
ra_nom	348.52161499225	Nominal RA [deg]
dec_nom	8.1302007468697	Nominal Dec [deg]
roll_nom	118.68341318768	Nominal Roll [deg]
revision	4	Processing version of data
ontime	2537.1313492507	[s]
livetime	1903.5303443464	Ontime multiplied by DTCOR
l2events	288612	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	2250.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2537.1313492507	[s]
caldbver	4.5.1.1	&#160	l1events	396428	Number of level 1 events
date	2012-09-20T13:08:32	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

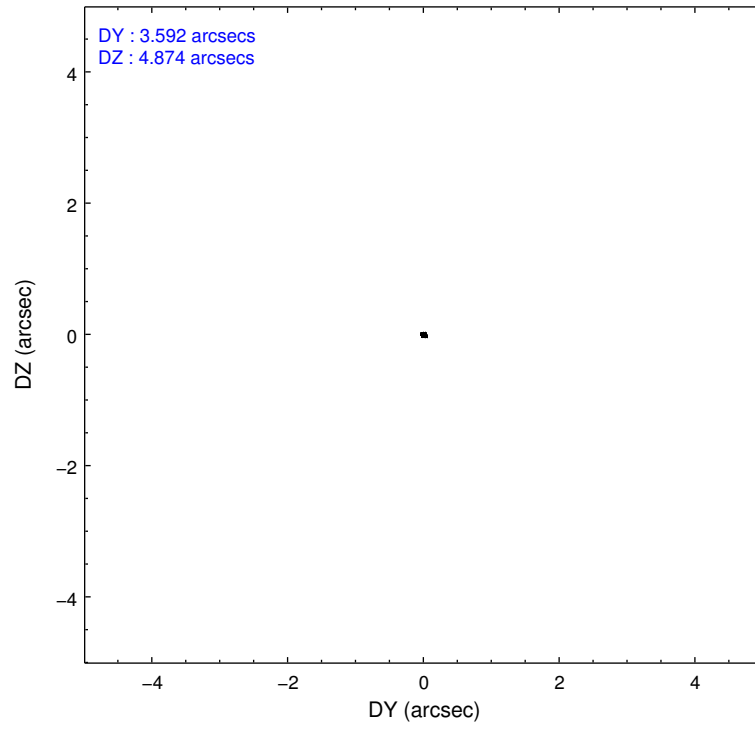
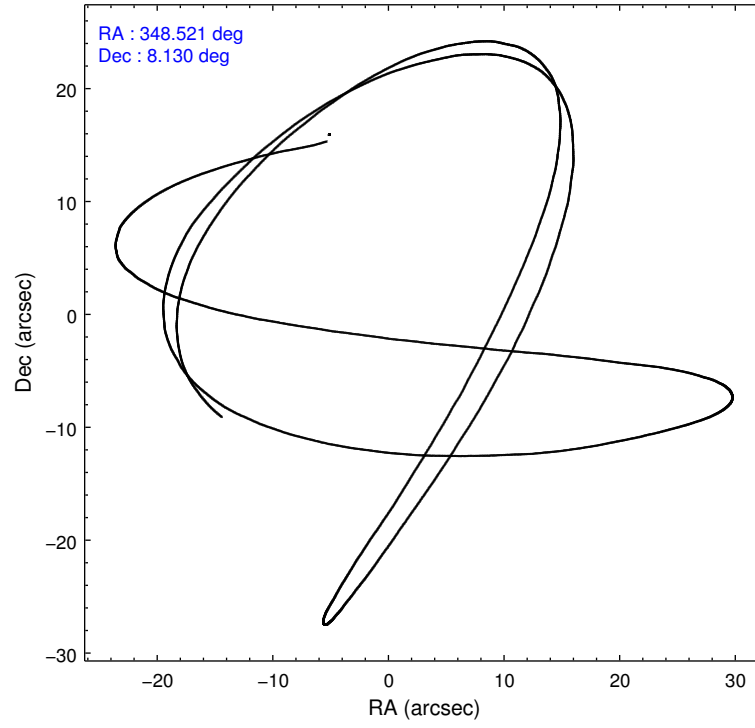
#### Level 1 Events

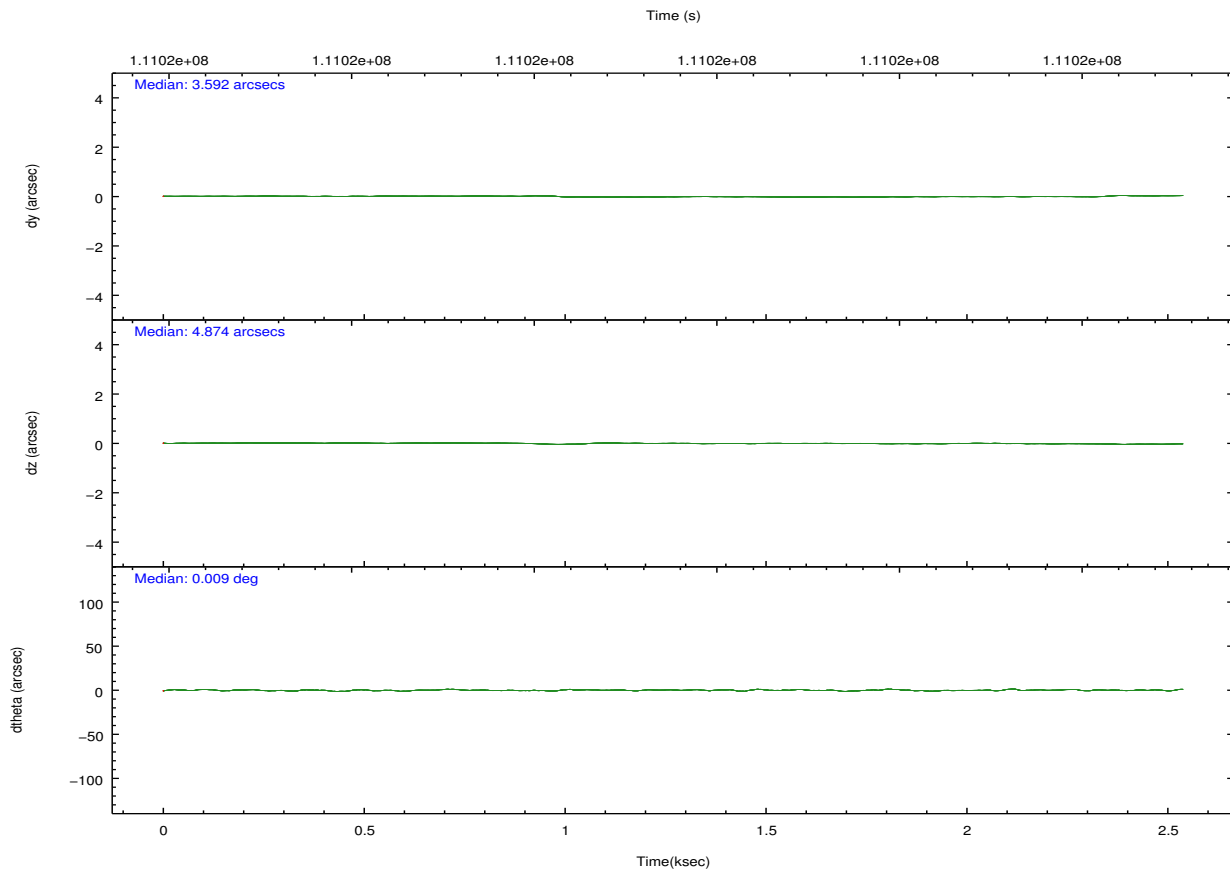
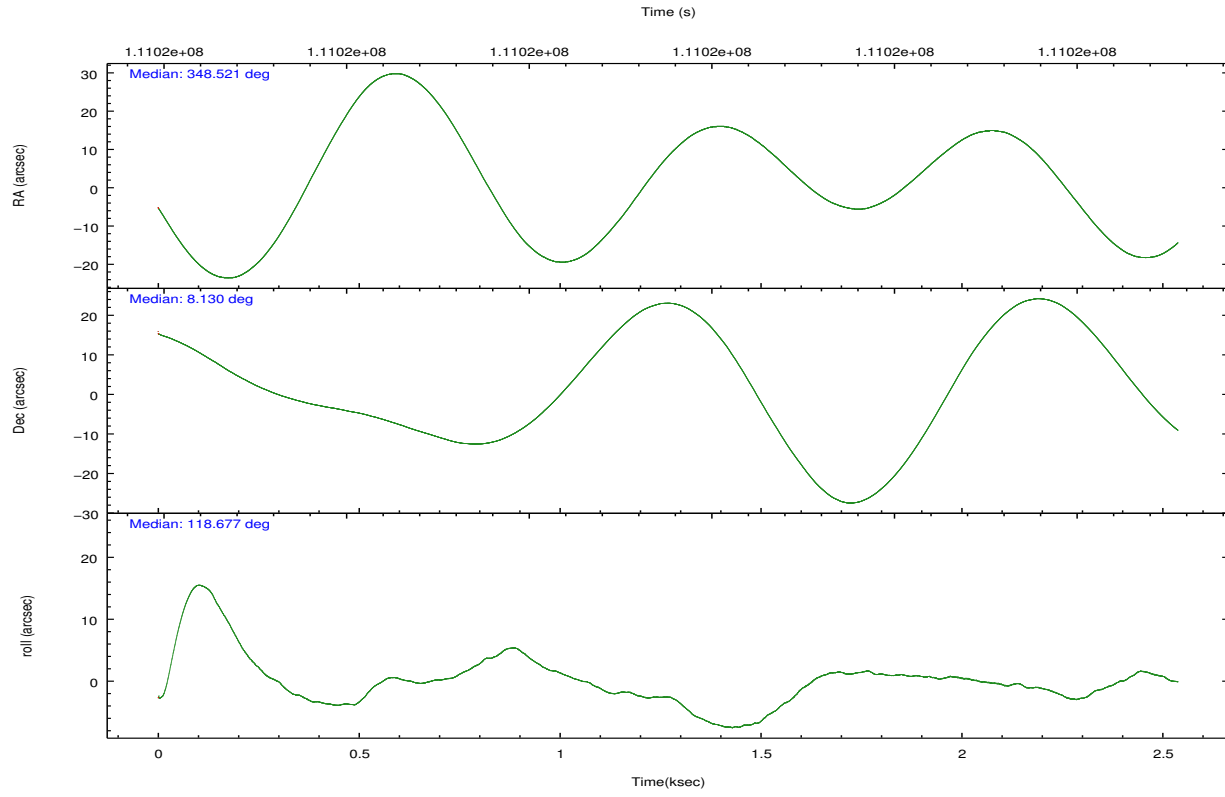
	<b>segment 0</b>
level 1 events	396428
rejected events	35810
rejected %	9%

## 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	348.545938	348.5216149922495			
[deg] Pointing Dec	8.116235	8.13020074686966			
[deg] Pointing Roll	118.775530	118.6834131876817			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	126.985494	126.9854943052878			
[mm] SIM translation stage offset	0	-5.413686238853188e-06			
[s] Observation start time (MET)	111017292.184000	111016916.48341			
Observation start date	2001-07-08T22:07:08	2001-07-08T22:01:56			
[s] Observation end time (MET)	111019542.184000	111019963.80853			
Observation end date	2001-07-08T22:44:38	2001-07-08T22:52:43			

## 2.3 Aspect



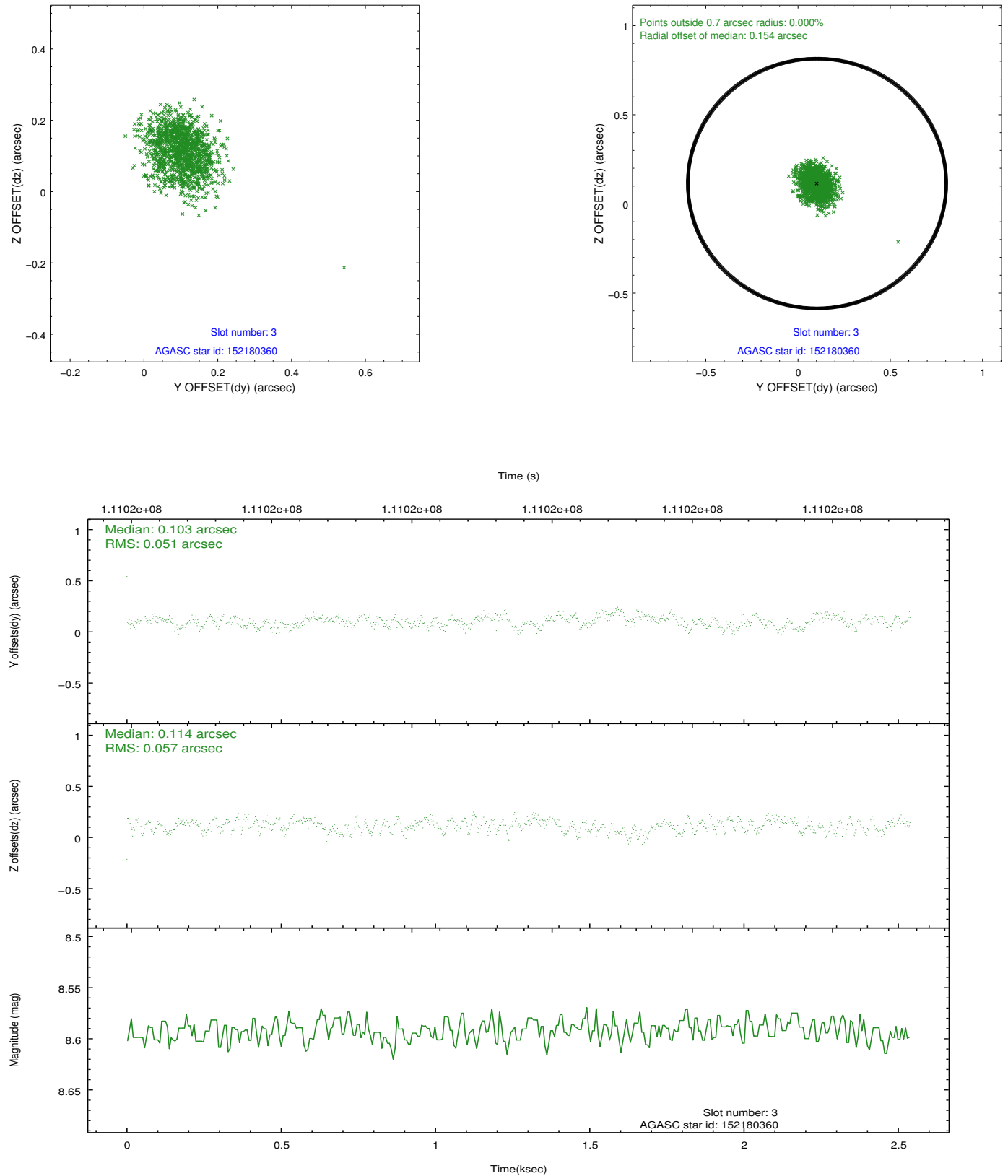


### Slot Statistics

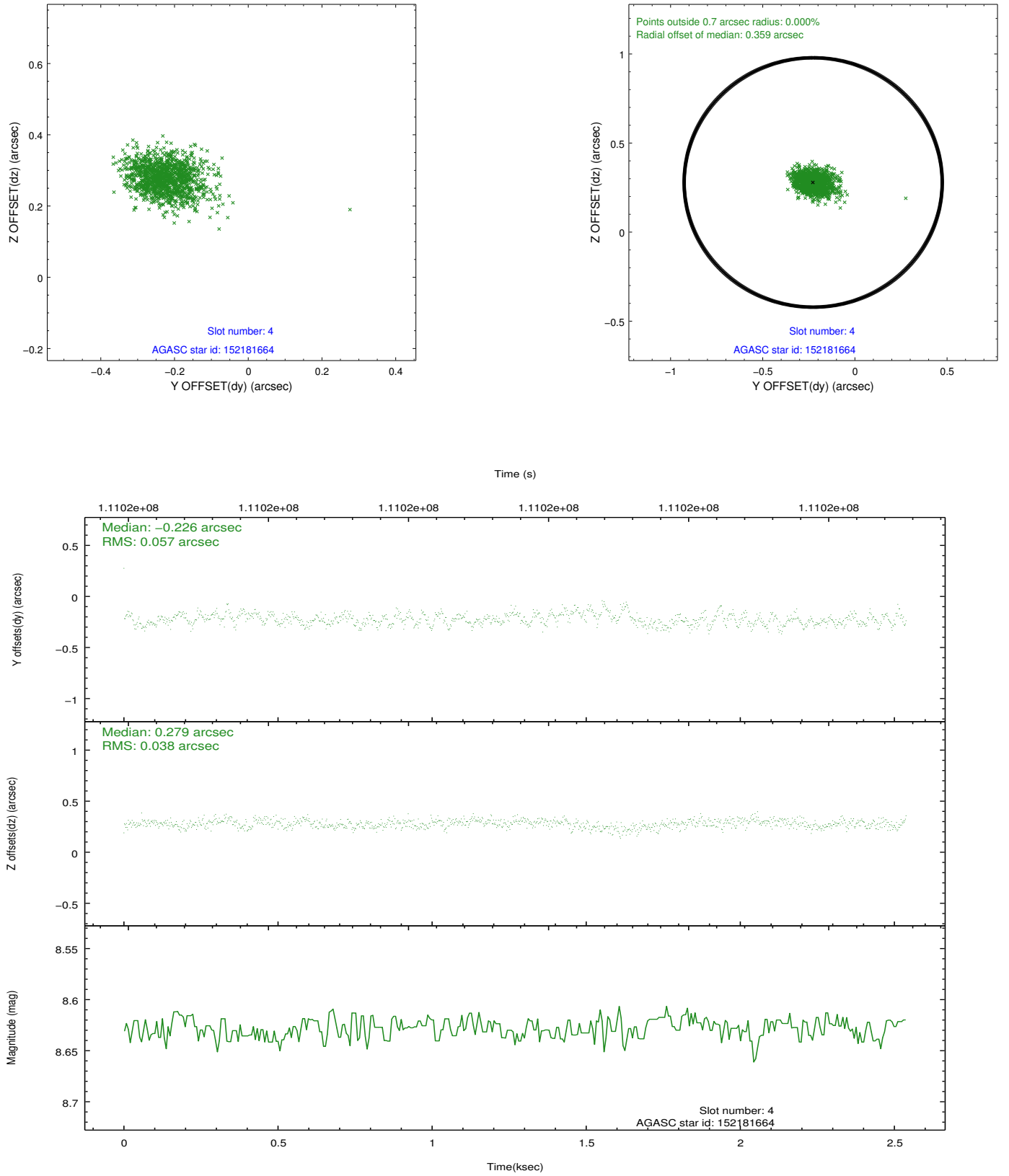
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.97	620	0.046	0.063	0.006	0.010	0.000000	0.000000	-759.04	-1292.64
1	FID	HRC-I-3	7.06	620	0.015	-0.097	0.007	0.012	0.000000	0.000000	-1188.78	1009.67
2	FID	HRC-I-4	7.00	620	0.053	-0.055	0.005	0.009	0.000000	0.000000	1281.84	1011.03
3	GUIDE	152180360	8.59	1239	0.103	0.114	0.080	0.128	349.110181	8.037159	-1219.22	-1628.42
4	GUIDE	152181664	8.63	1239	-0.226	0.279	0.070	0.119	348.774873	8.789488	1728.62	-1883.50
5	GUIDE	152188480	8.92	1239	-0.003	-0.113	0.082	0.222	348.517103	8.131940	97.45	59.51
6	GUIDE	152184592	9.64	1238	-0.024	-0.130	0.097	0.162	348.366260	8.397865	1193.95	71.05
7	GUIDE	76417928	9.88	1231	0.161	-0.155	0.130	0.211	348.460608	7.395636	-2129.20	1513.76

## 2.4 Star Slots

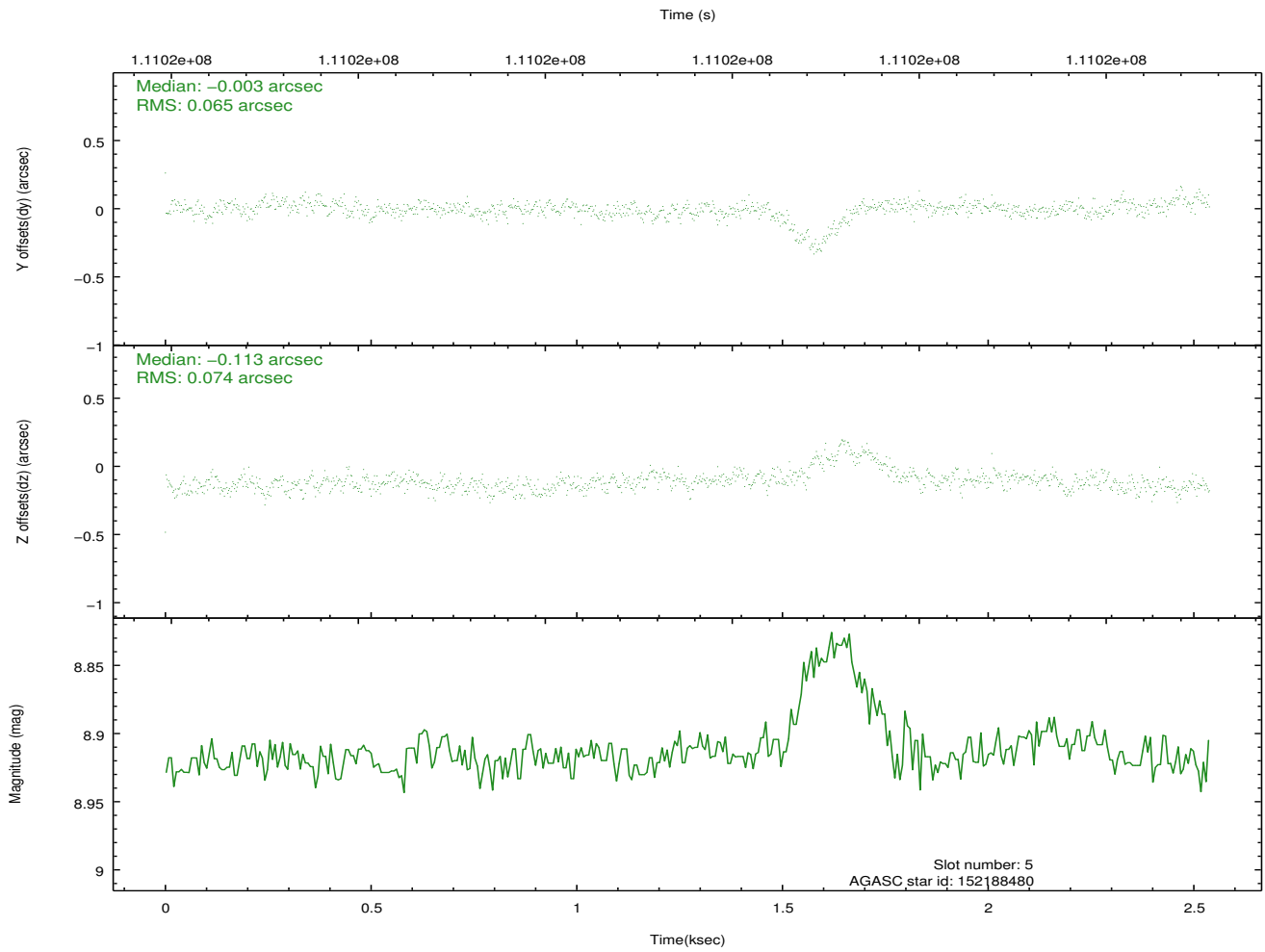
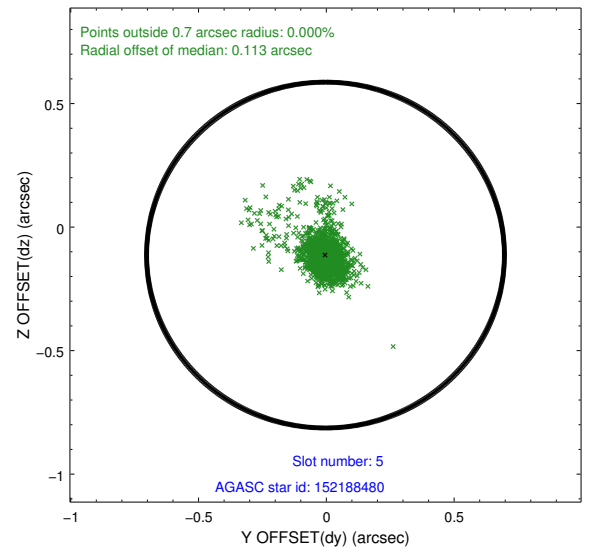
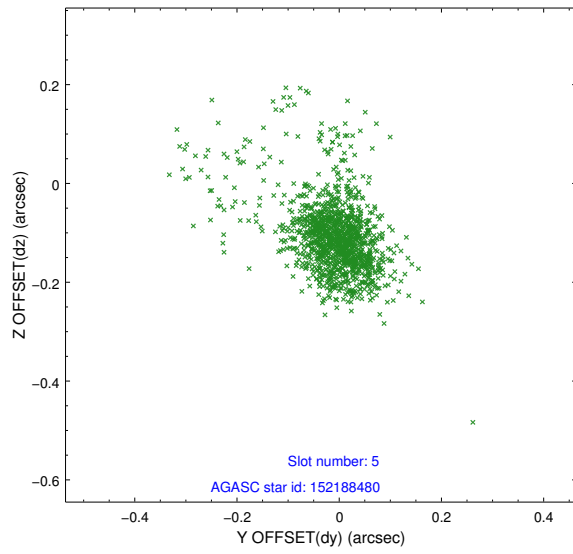
### 2.4.1 Slot 3



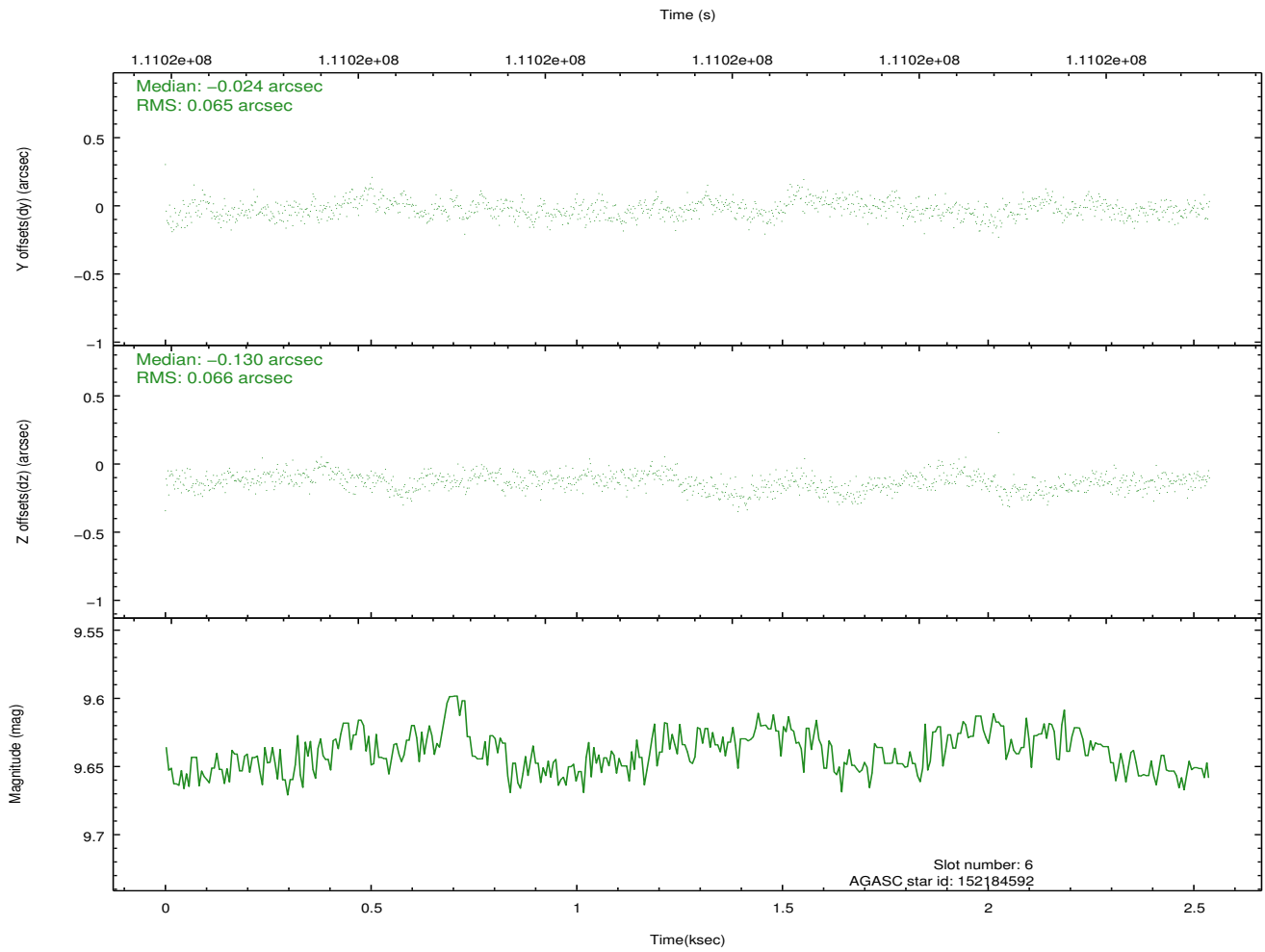
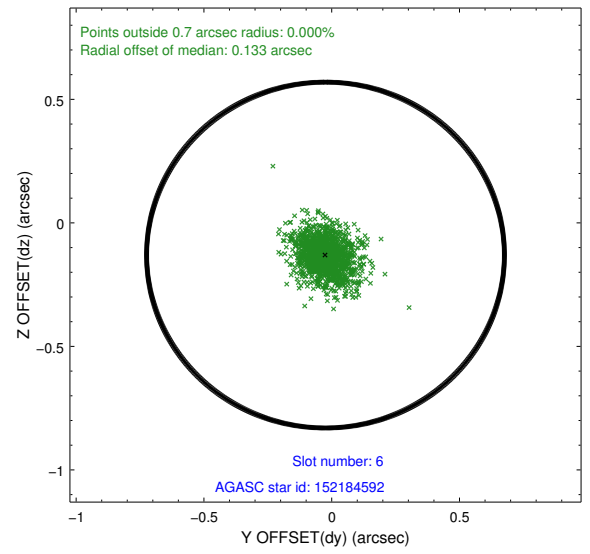
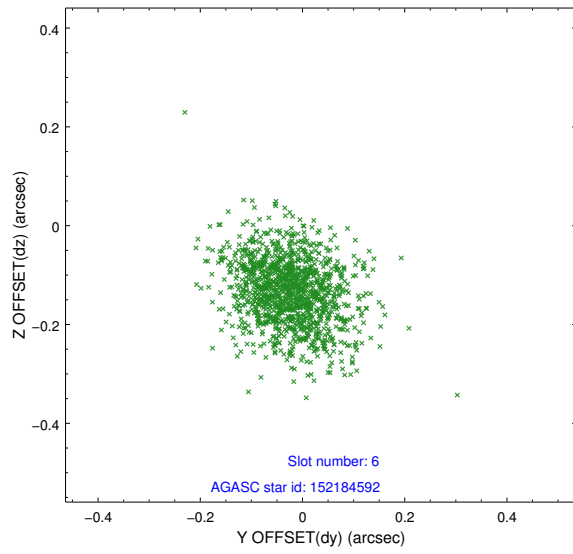
## 2.4.2 Slot 4



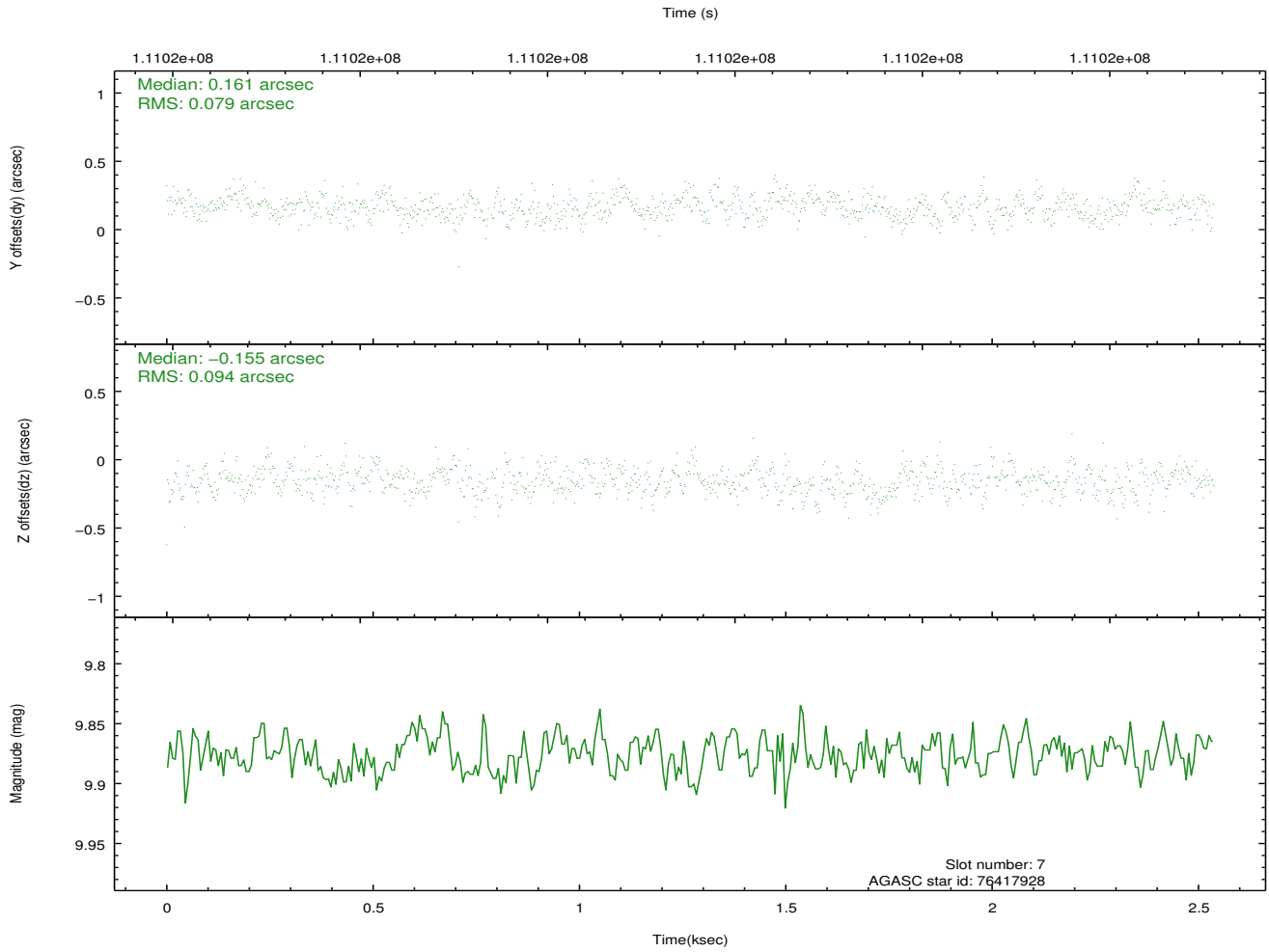
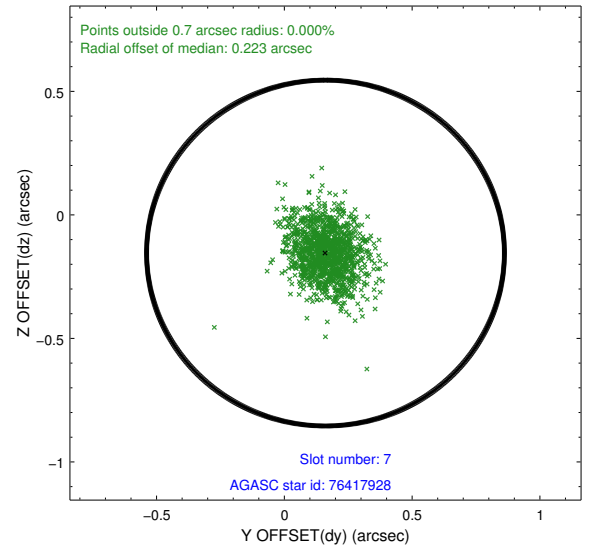
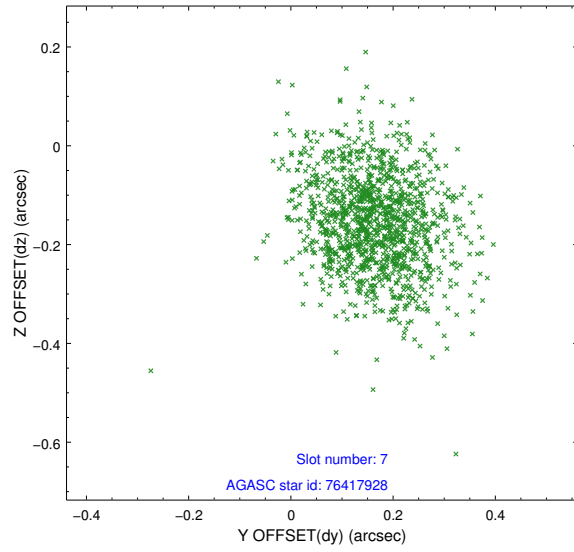
### 2.4.3 Slot 5



## 2.4.4 Slot 6

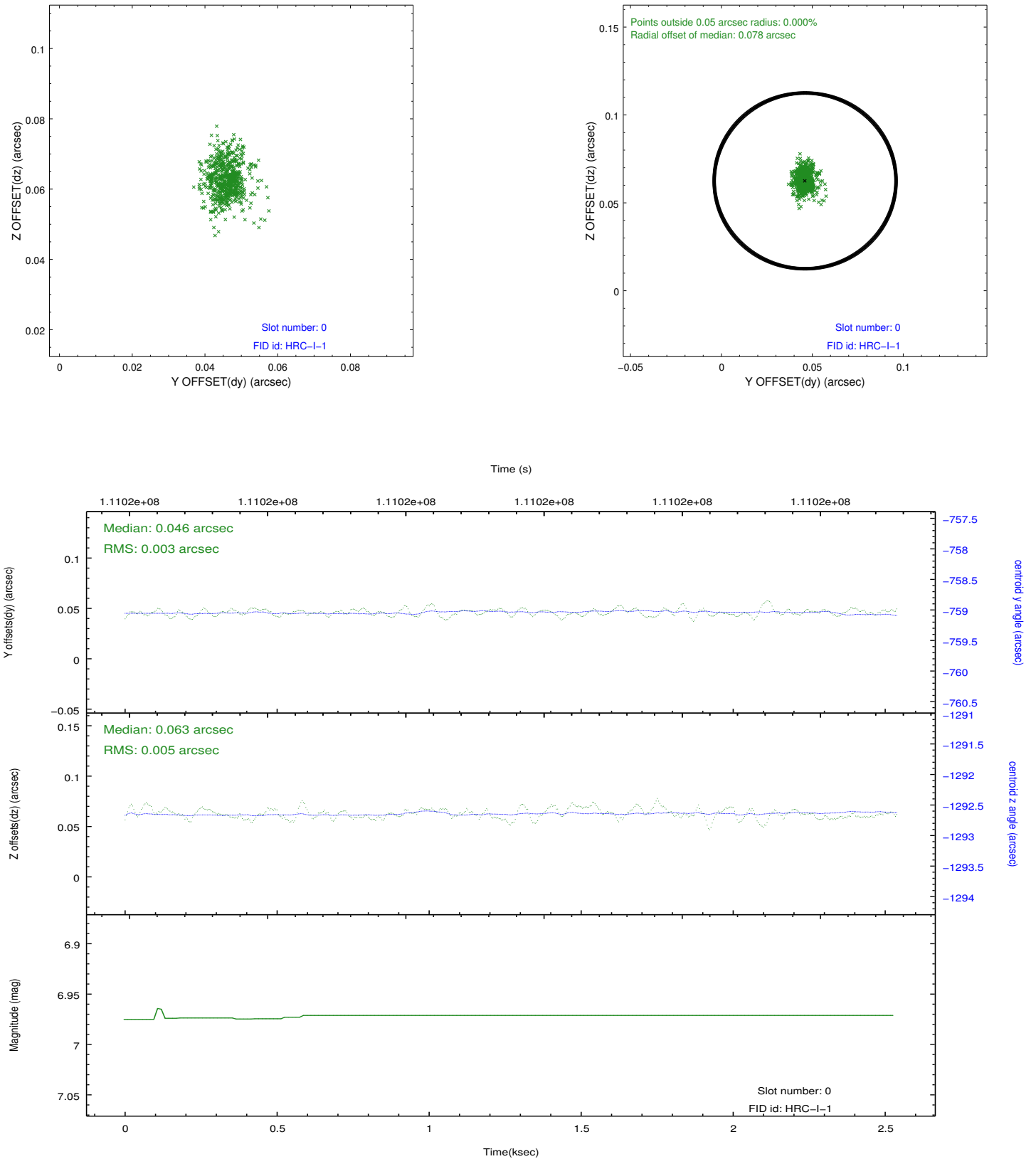


## 2.4.5 Slot 7

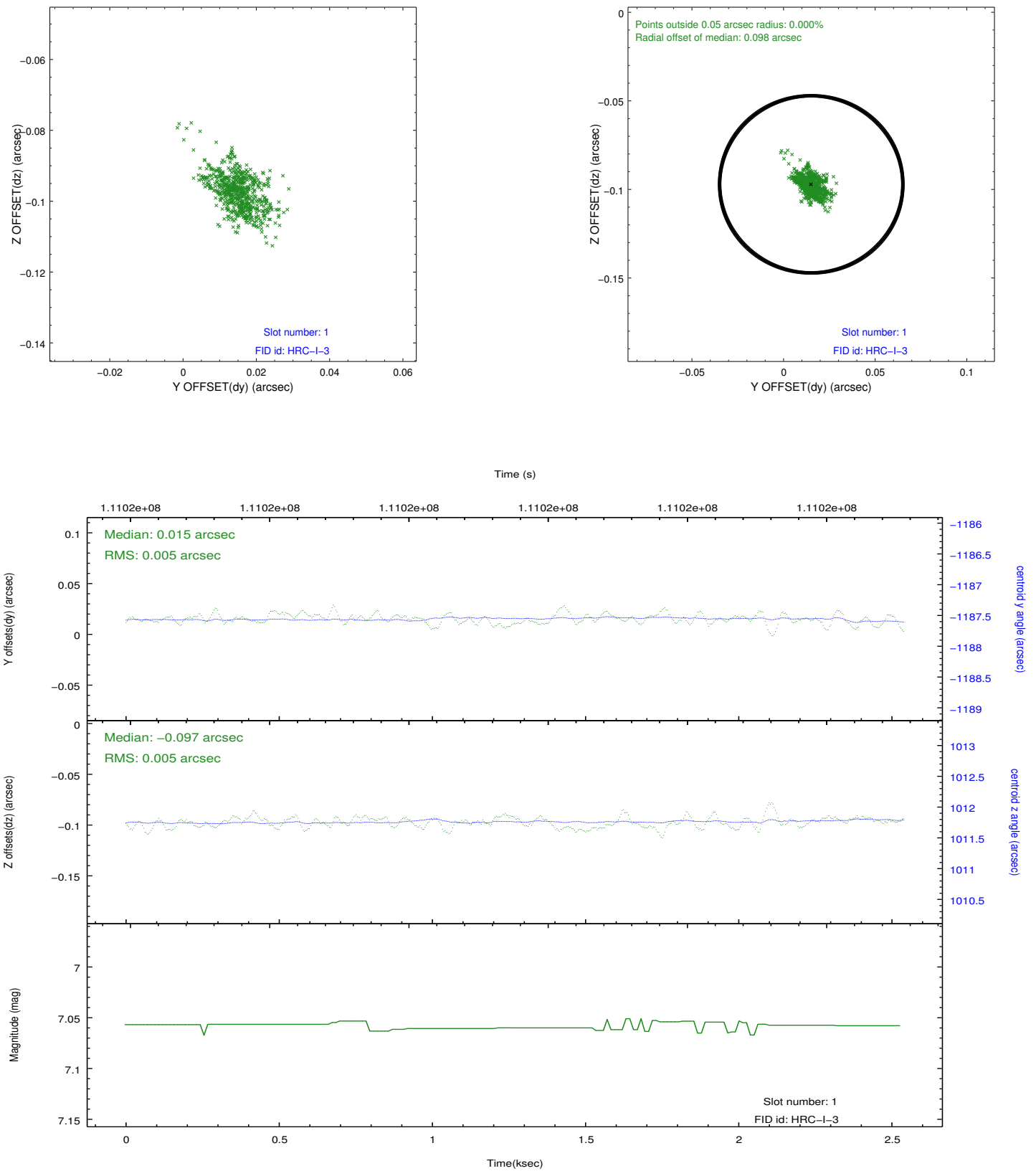


## 2.5 FID Slots

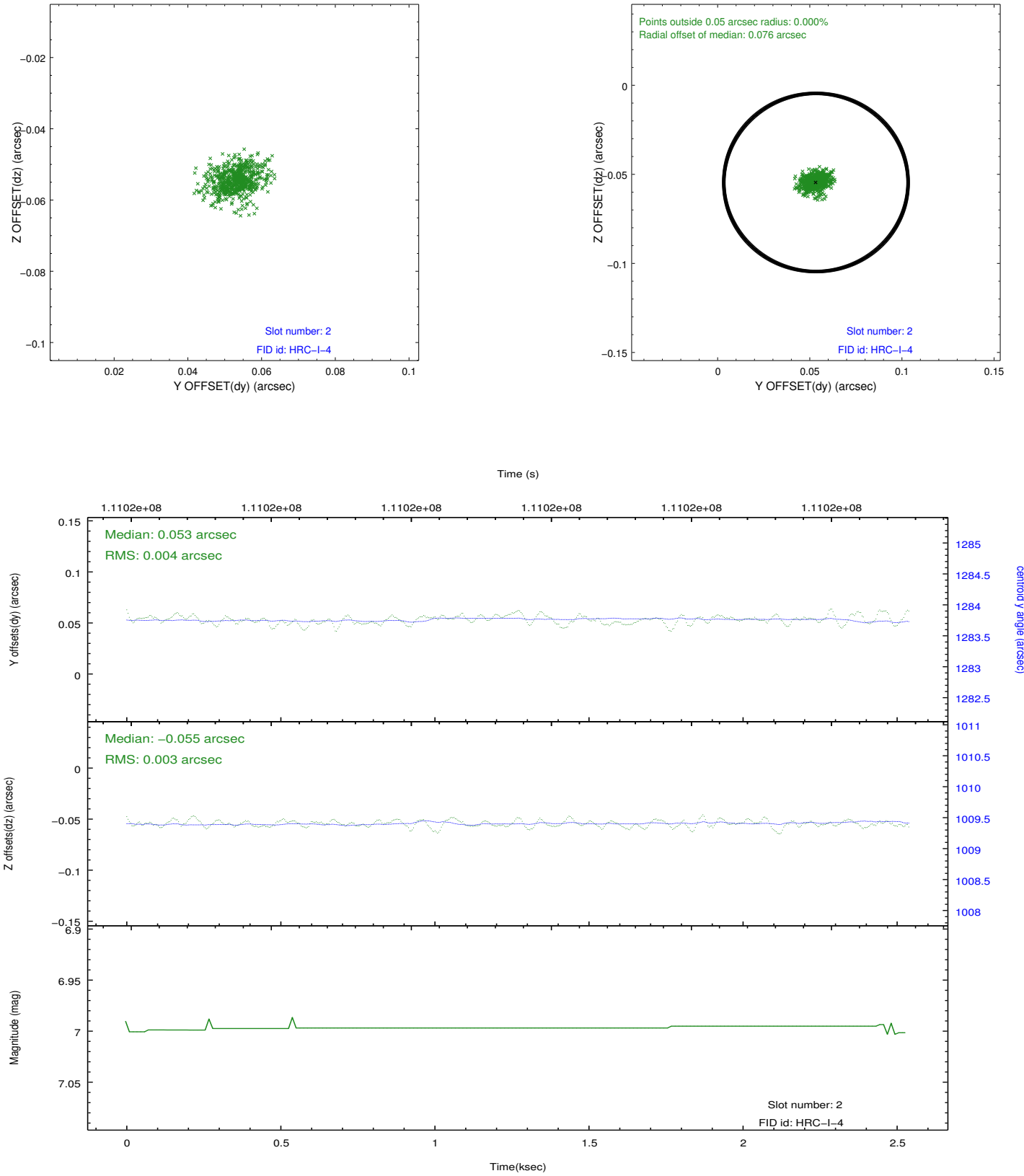
### 2.5.1 Slot 0



## 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)	2012.09.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.5

## A.2 Comments

This is a moving target. Users will need to run `sso_freeze` or similar software to position the events in the reference frame of the target.