

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 1812 - L2 Version 4  
Chandra X-Ray Center

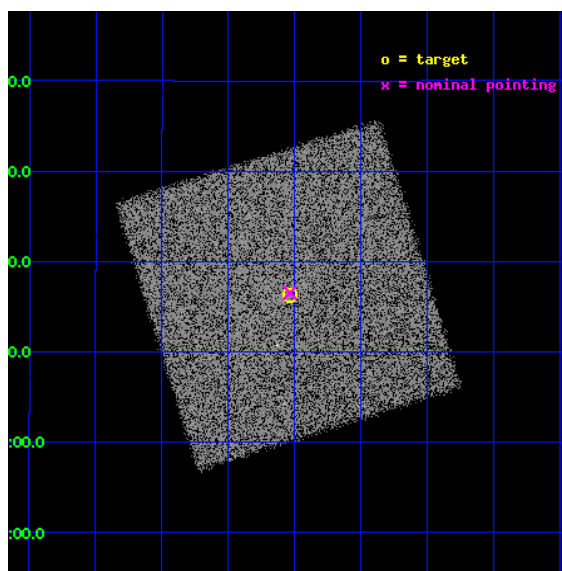
L2 Processing Date : Sep 20 2012

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# 1 Front

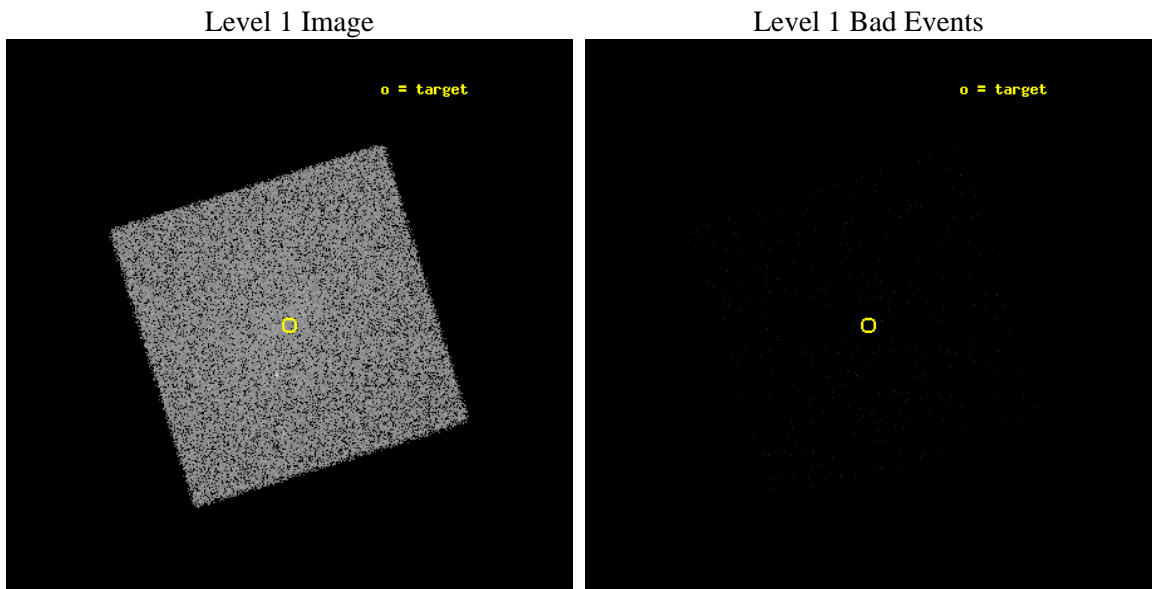
seq_num	100009	Sequence number
obs_id	1812	Observation id
title	SOLVING THE PUZZLE OF COMETARY X-RAY ORIGIN: OBSERVATIONS OF COMET 10P/TEMPEL 2	Proposal title
observer	DR W. THOMAS VESTRAND	Principal investigator
object	LINEAR 2001 A2	Source name
ra_targ	350.009412	Observer's specified target RA [deg]
dec_targ	7.270916	Observer's specified target Dec [deg]
ra_nom	350.00890059166	Nominal RA [deg]
dec_nom	7.2753991817151	Nominal Dec [deg]
roll_nom	117.7245914452	Nominal Roll [deg]
revision	4	Processing version of data
ontime	2338.2813414633	[s]
livetime	2326.1922540962	Ontime multiplied by DTCOR
l2events	61912	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	2150.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2338.2813414633	[s]
caldbver	4.5.1.1	&#160	l1events	104480	Number of level 1 events
date	2012-09-20T12:56:55	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

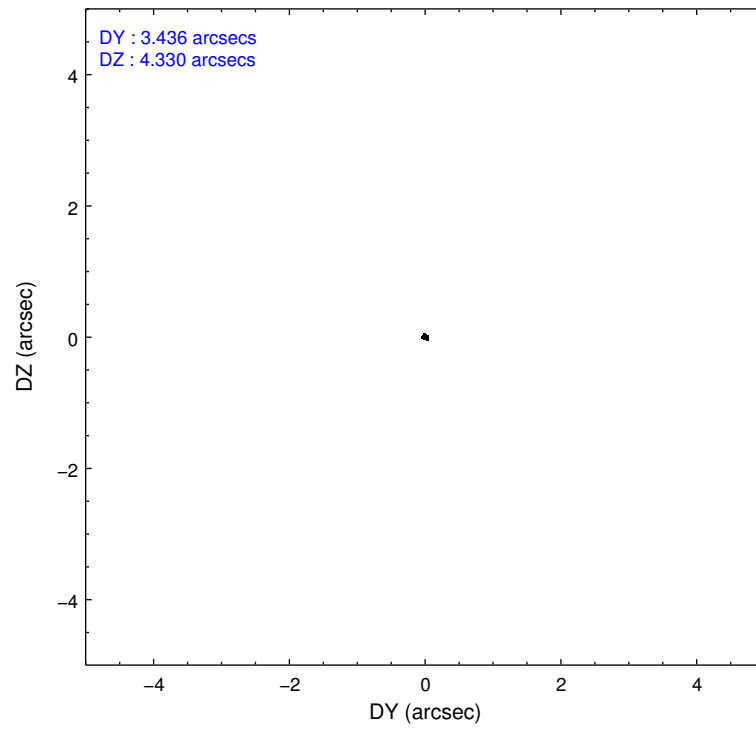
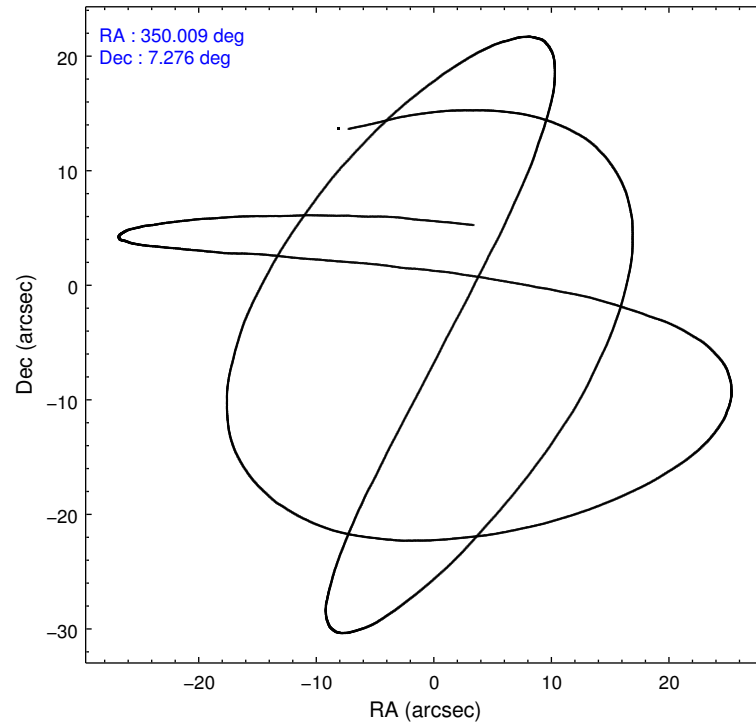
	<b>segment 0</b>
level 1 events	104480
rejected events	12647
rejected %	12%

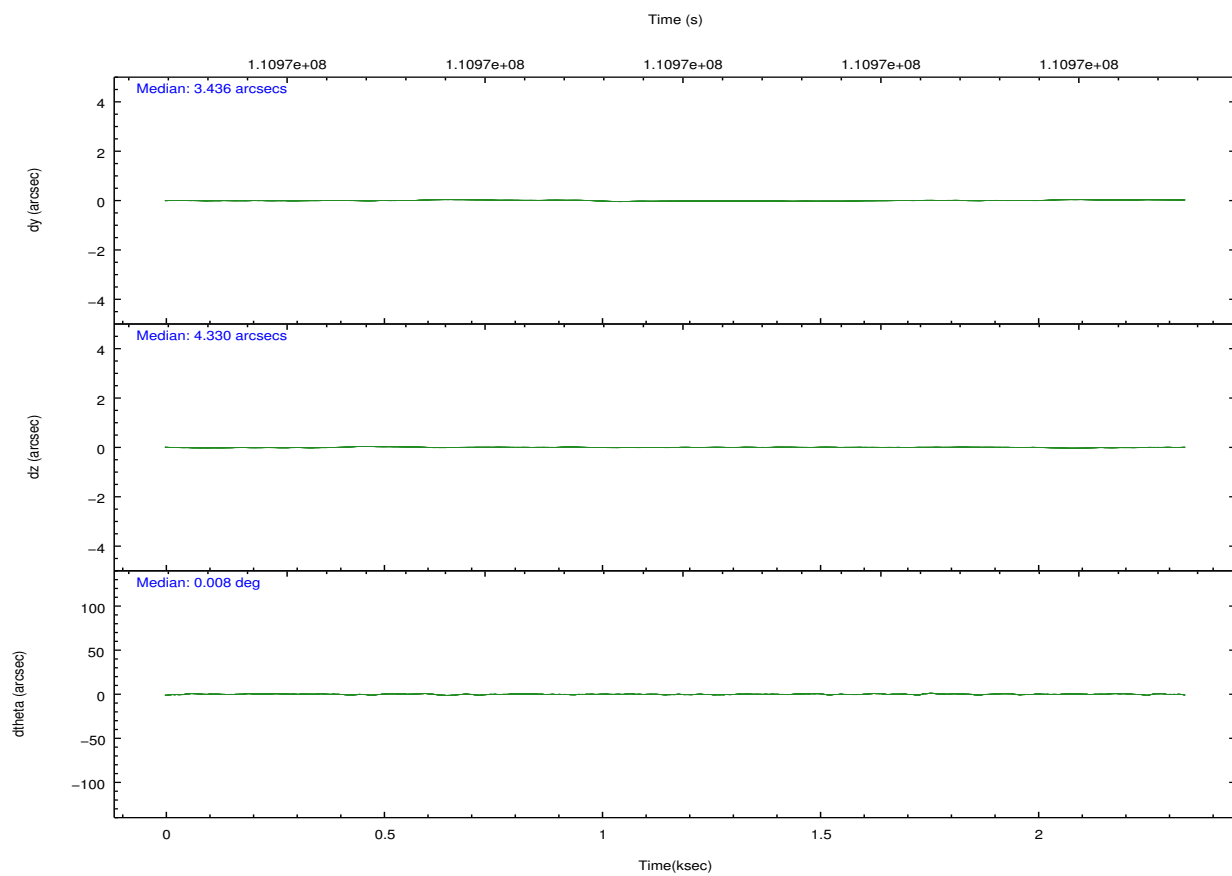
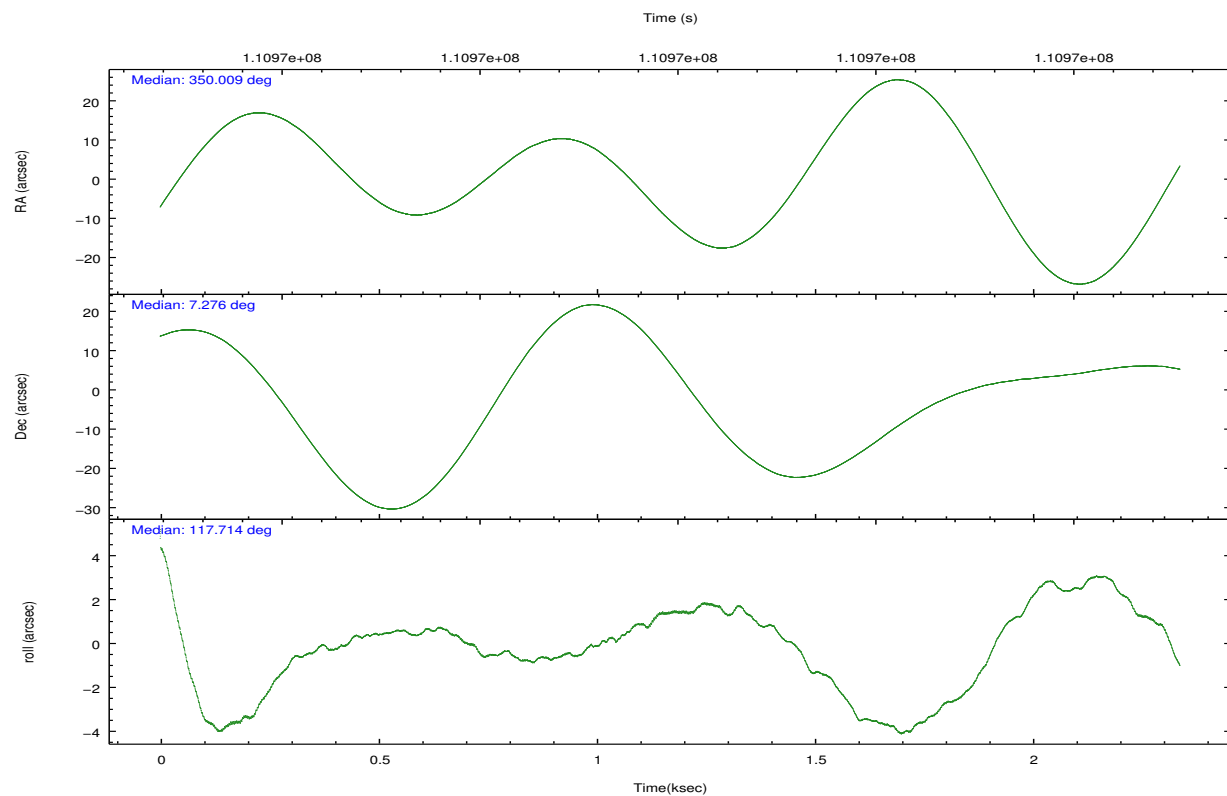
## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	350.032477	350.0089005916634
[deg] Pointing Dec	7.261128	7.275399181715092
[deg] Pointing Roll	117.817078	117.7245914451976
[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)	110968497.184000	110968120.844
Observation start date	2001-07-08T08:33:53	2001-07-08T08:28:40
[s] Observation end time (MET)	110970647.184000	110970781.23161
Observation end date	2001-07-08T09:09:43	2001-07-08T09:13:01

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

## 2.3 Aspect





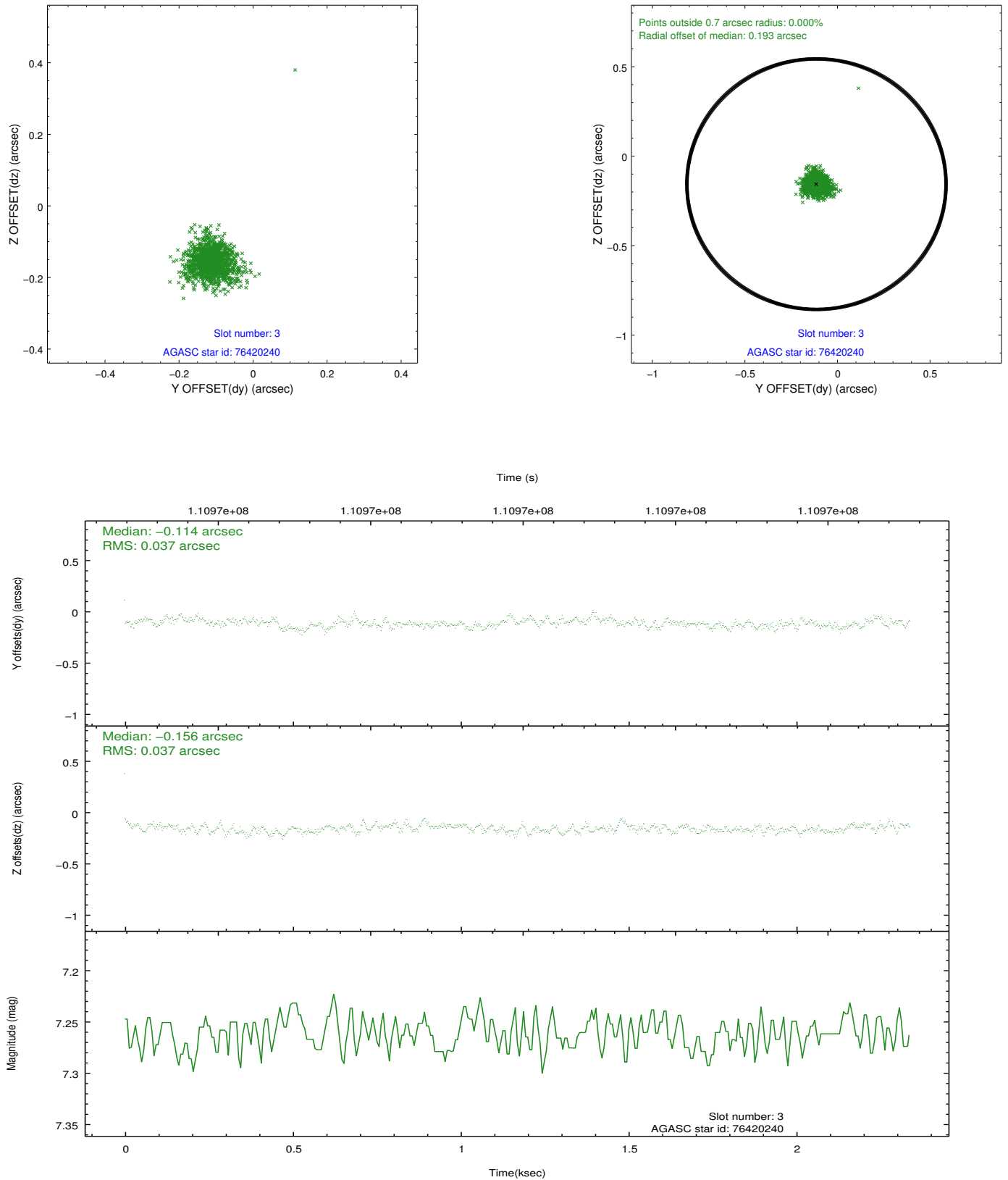
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-2	7.03	571	0.069	-0.037	0.006	0.009	0.000000	0.000000	853.79	-1293.70
1	FID	HRC-I-3	7.08	571	0.002	-0.000	0.006	0.010	0.000000	0.000000	-1185.93	1010.19
2	FID	HRC-I-4	7.01	571	0.048	-0.049	0.006	0.009	0.000000	0.000000	1281.83	1011.80
3	GUIDE	76420240	7.26	1142	-0.114	-0.156	0.052	0.086	349.834746	7.214951	180.96	702.05
4	GUIDE	76546104	7.92	1139	-0.022	0.241	0.060	0.092	350.637569	7.487255	-287.46	-2289.78
5	GUIDE	76551232	8.01	1142	0.054	-0.177	0.063	0.100	350.076046	6.872411	-1311.92	513.10
6	GUIDE	152314144	8.26	1142	-0.099	0.232	0.068	0.110	350.482166	7.593054	306.48	-1976.34
7	GUIDE	76425640	9.30	1141	0.181	-0.131	0.087	0.140	349.927625	6.651298	-1767.90	1354.05

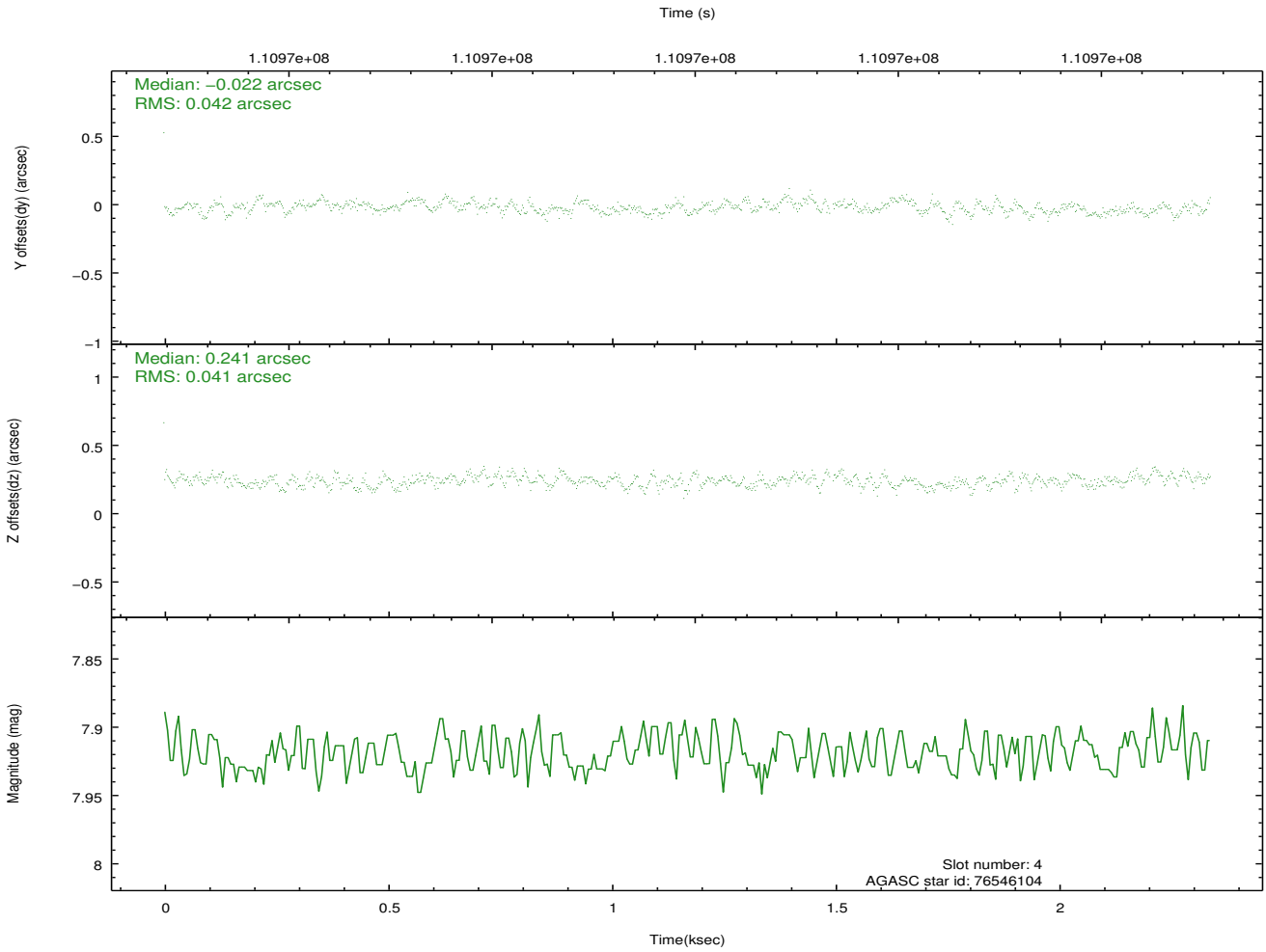
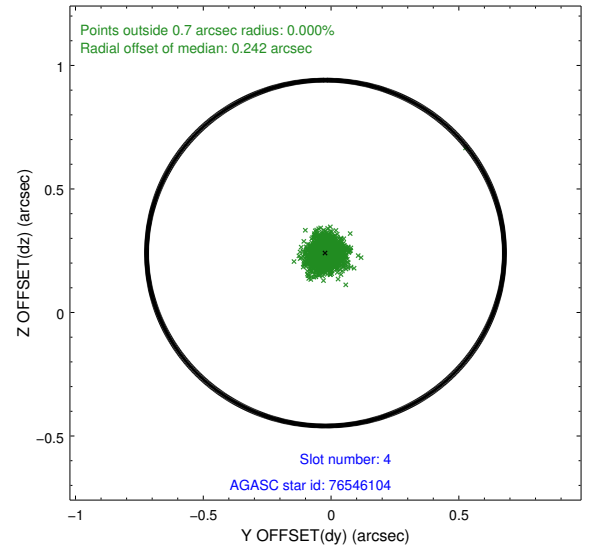
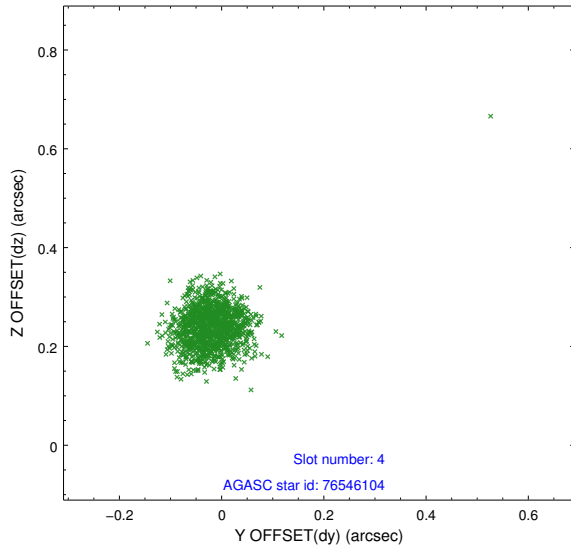


## 2.4 Star Slots

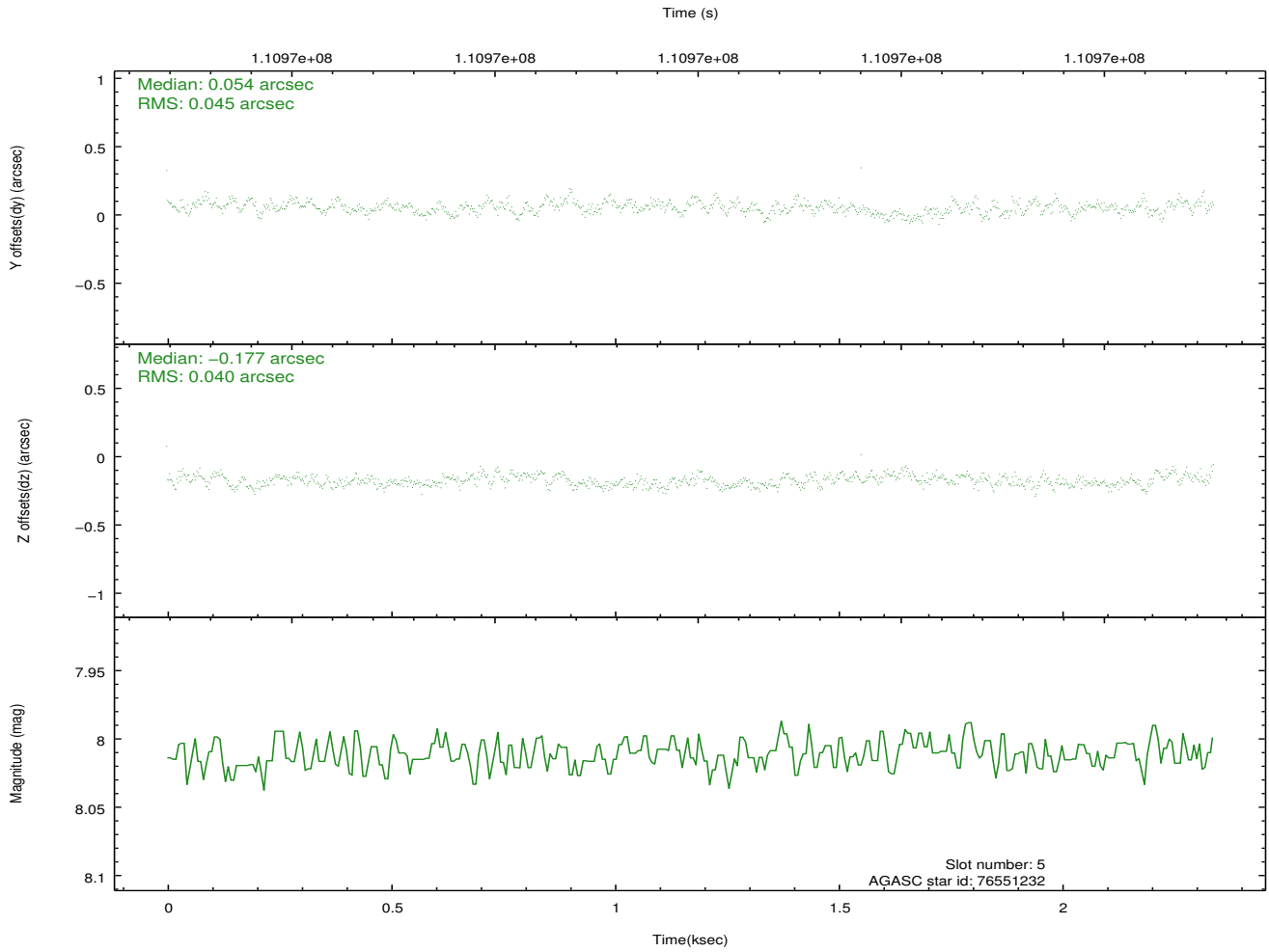
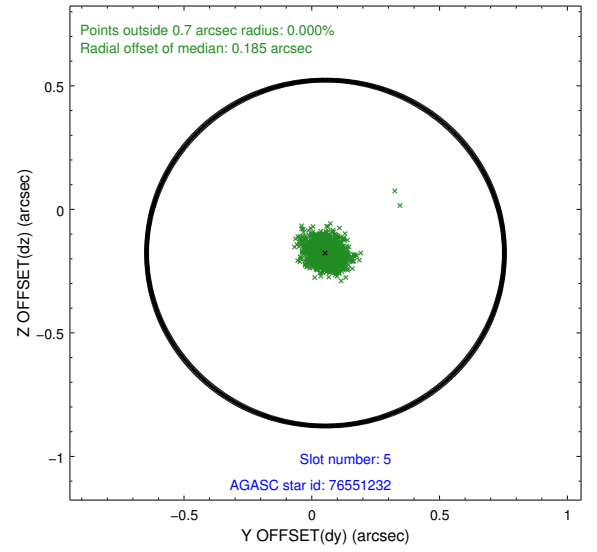
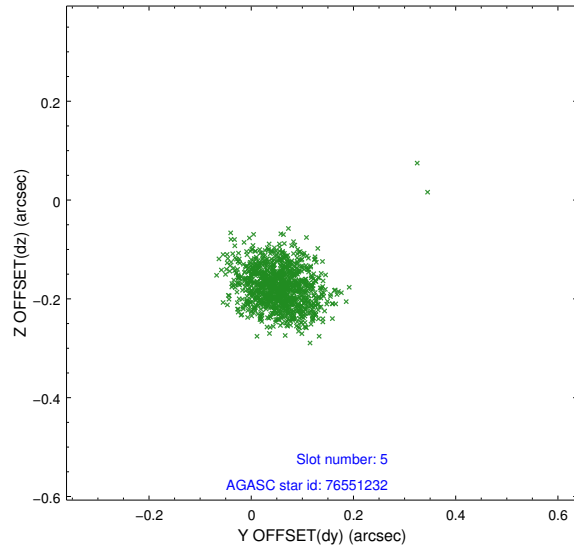
### 2.4.1 Slot 3



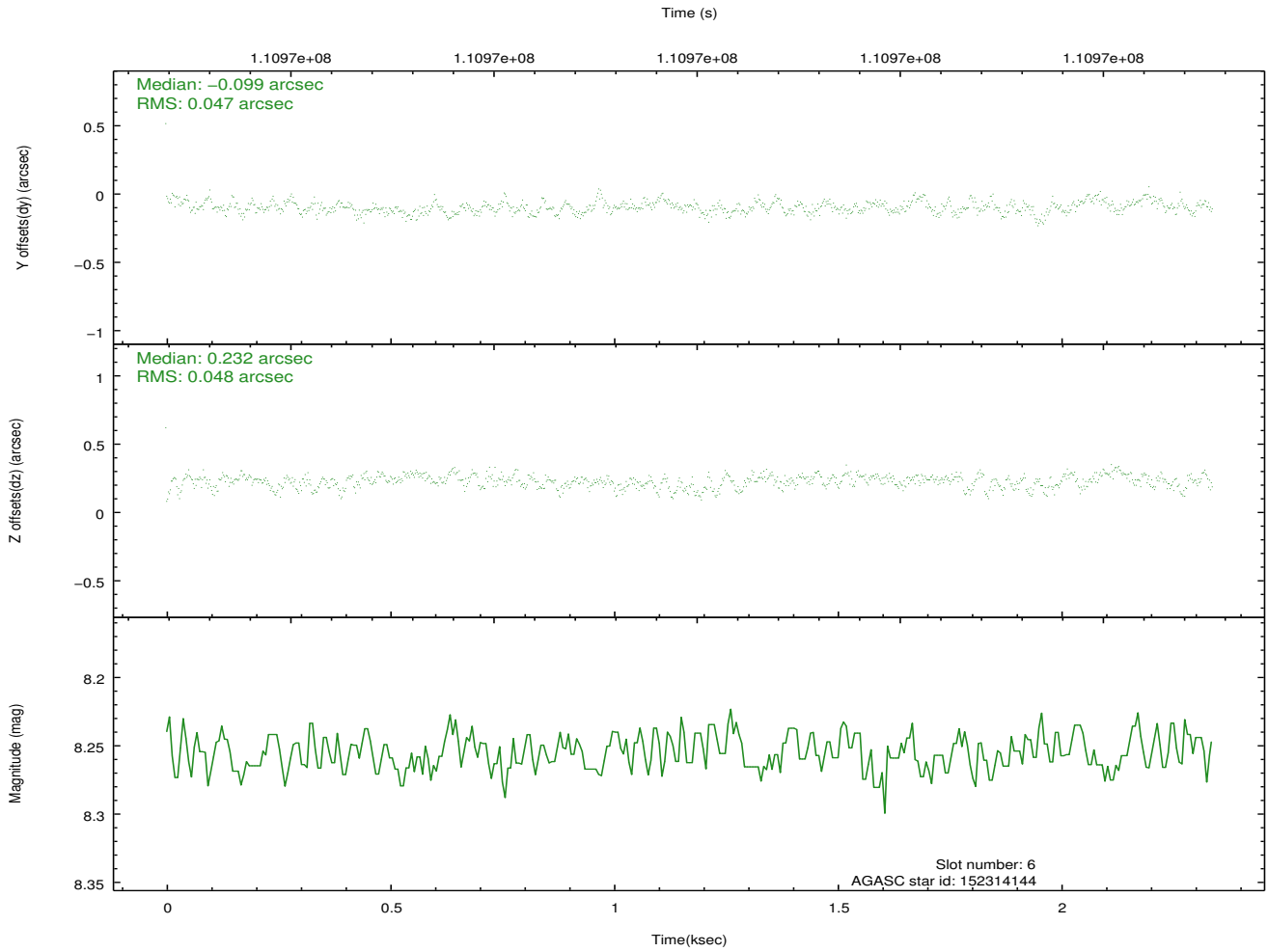
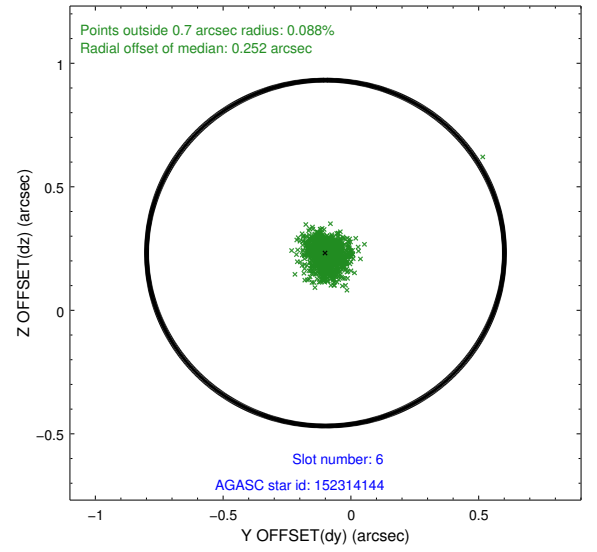
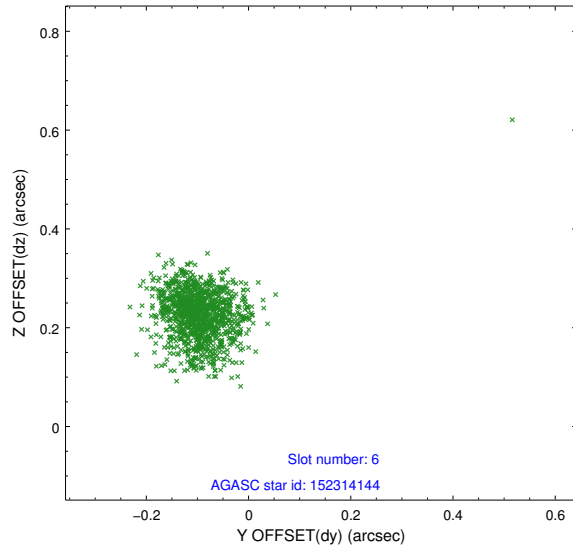
## 2.4.2 Slot 4



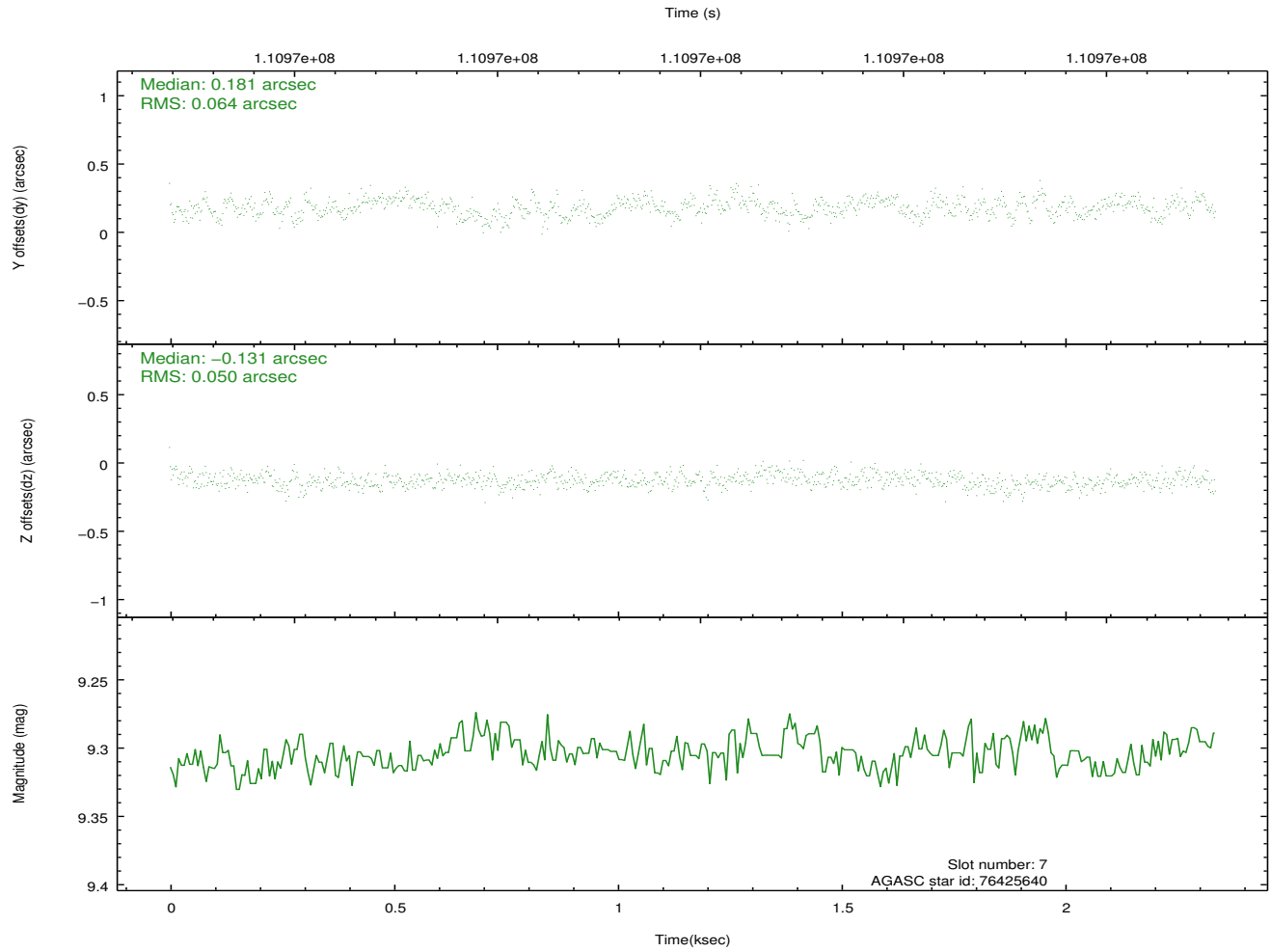
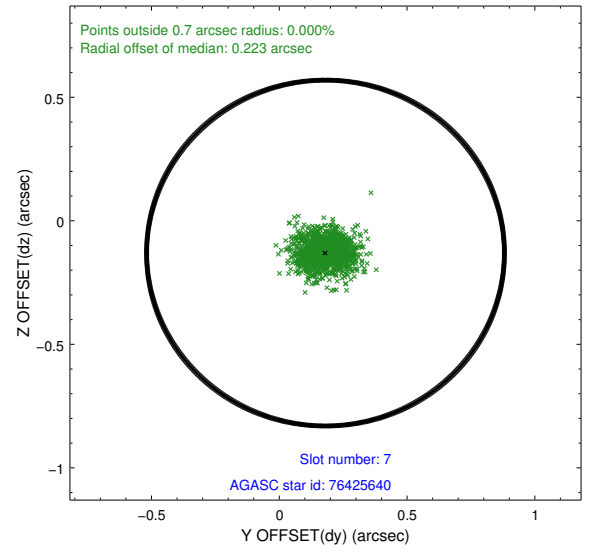
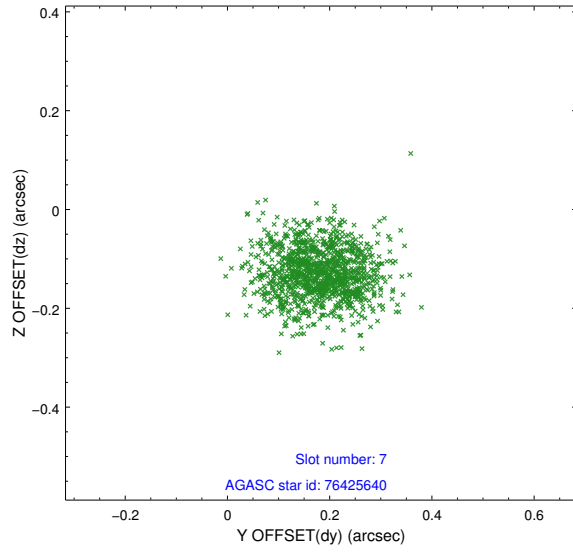
### 2.4.3 Slot 5



## 2.4.4 Slot 6

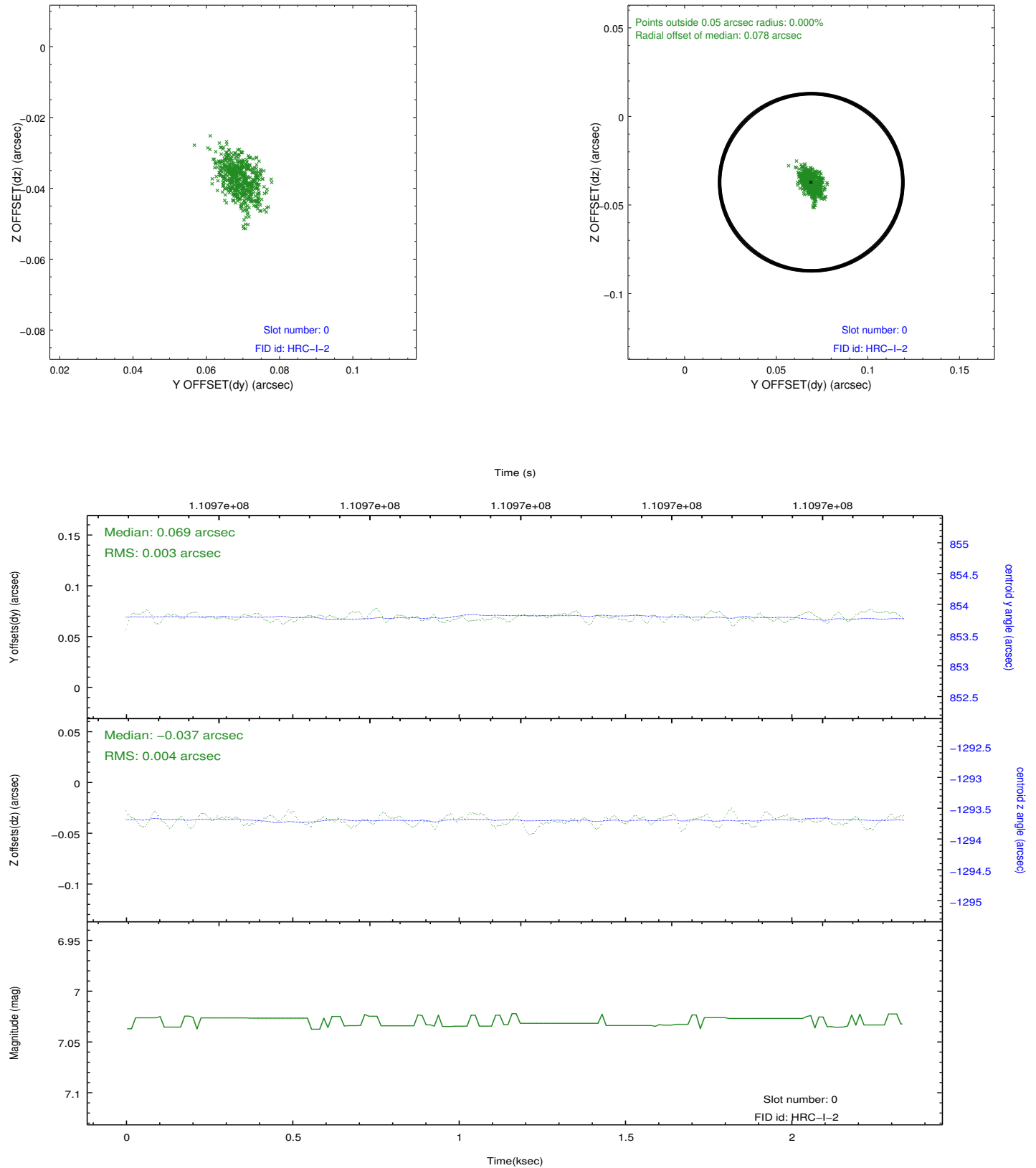


## 2.4.5 Slot 7

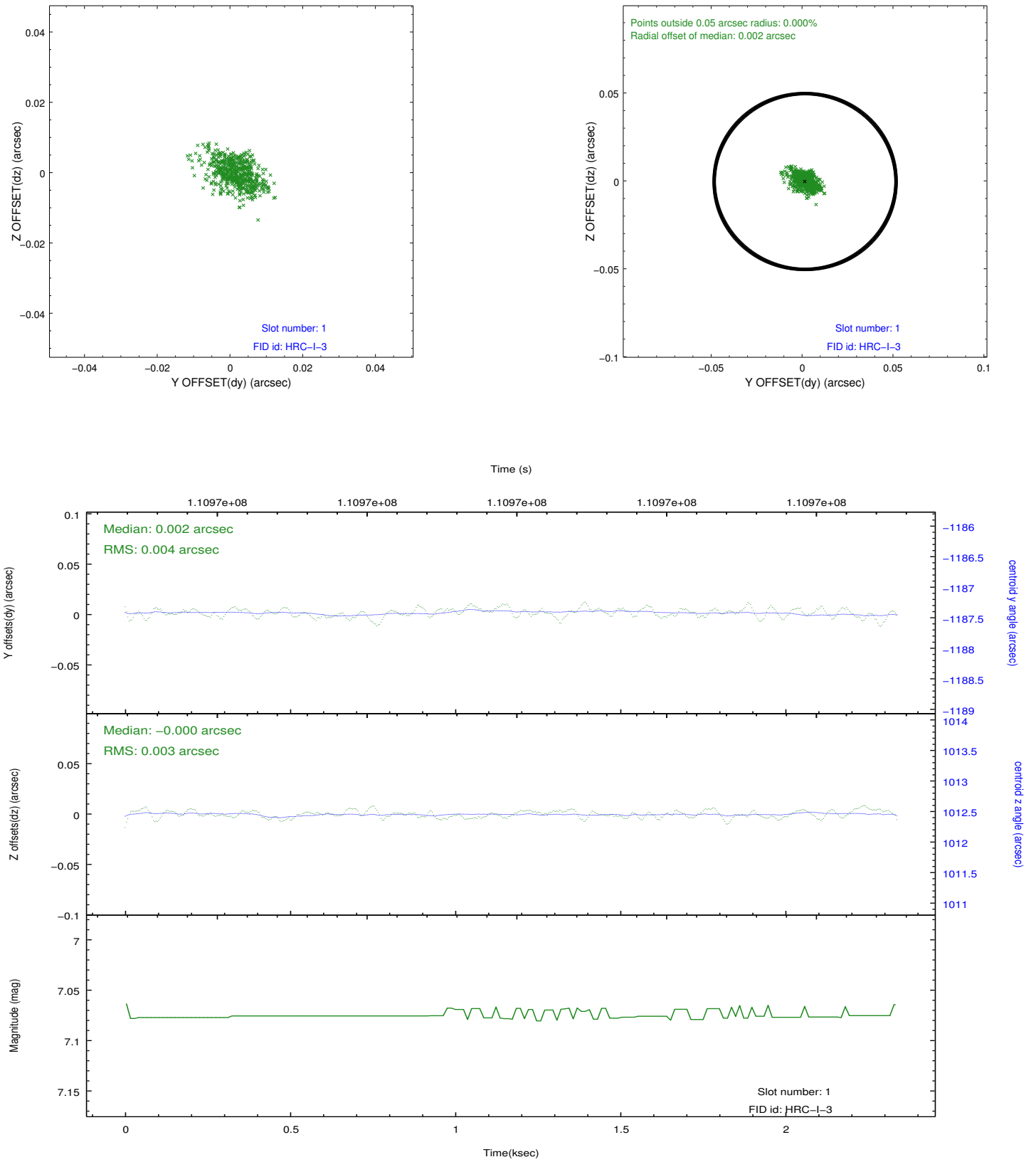


## 2.5 FID Slots

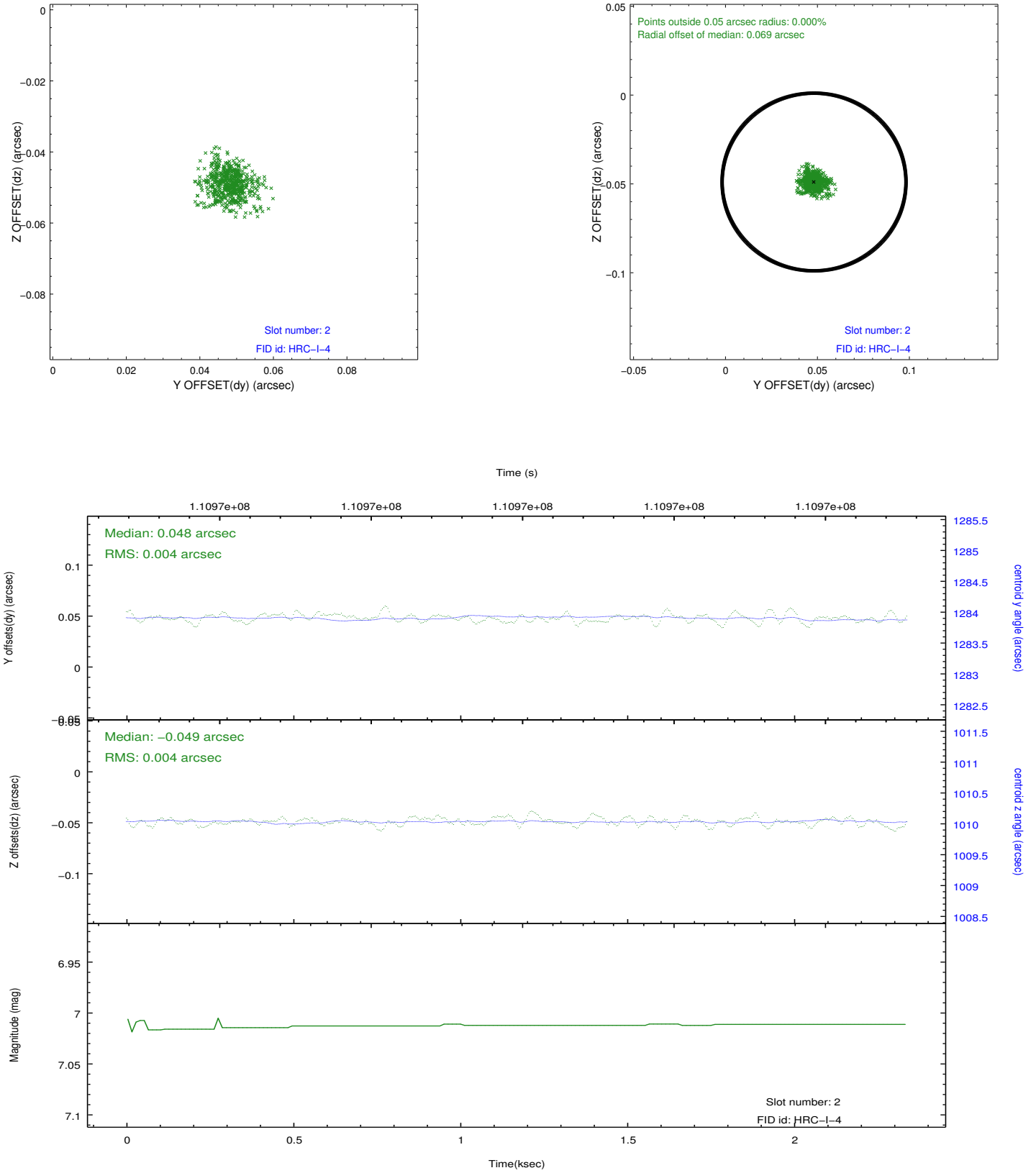
### 2.5.1 Slot 0



## 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	2.4

## A.2 Comments

Charge time for this ObsId remains at previous value of 2.4 ks although with the current processing the charge time would have been 2.34 ksec.

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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.