

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 1742 - L2 Version 6  
Chandra X-Ray Center

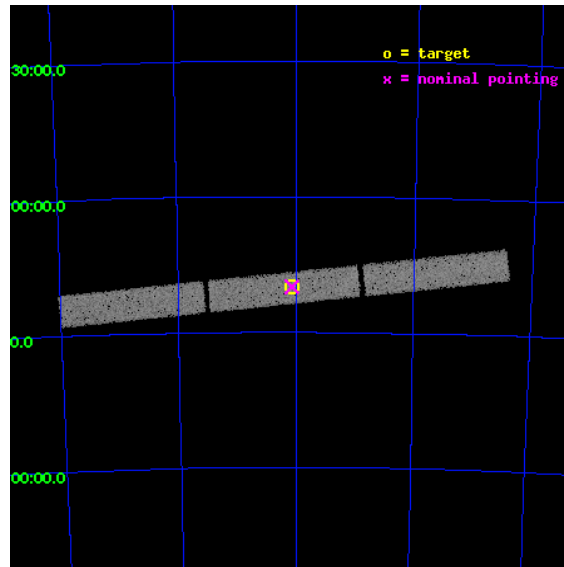
L2 Processing Date : Aug 29 2012

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# 1 Front

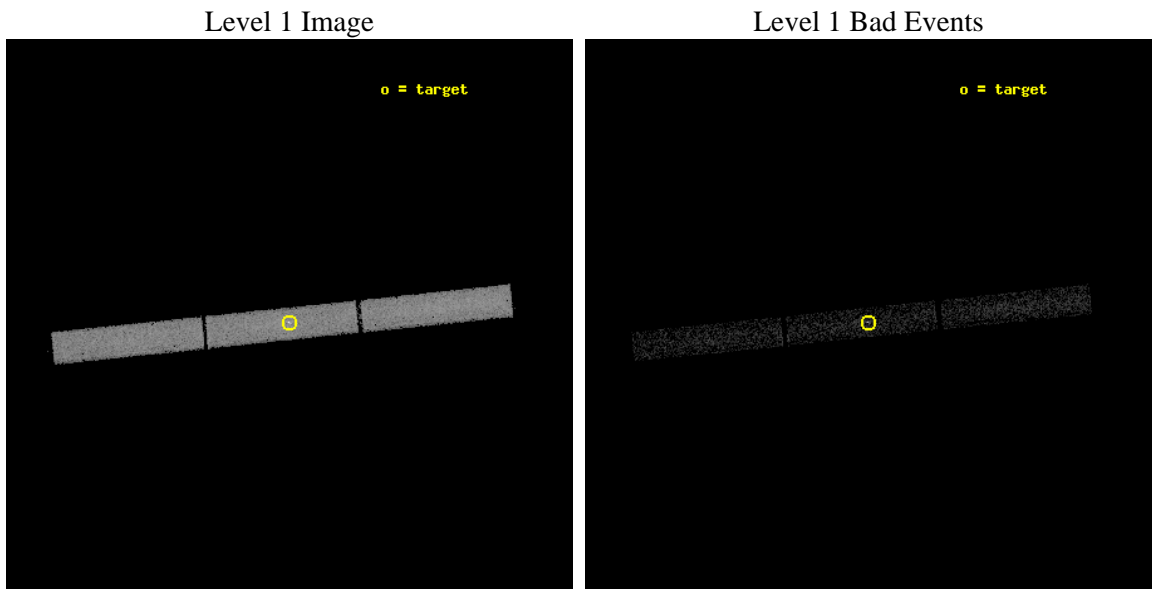
seq_num	590191	Sequence number
obs_id	1742	Observation id
title	VERIFICATION OF AXAF TIMING CAPABILITY	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	PSR B0540-69	Source name
ra_targ	85.04625	Observer's specified target RA [deg]
dec_targ	-69.332	Observer's specified target Dec [deg]
ra_nom	85.042539415296	Nominal RA [deg]
dec_nom	-69.332532737624	Nominal Dec [deg]
roll_nom	174.06312984077	Nominal Roll [deg]
revision	6	Processing version of data
ontime	456.38126683235	[s]
livetime	453.18434066764	Ontime multiplied by DTCOR
l2events	34846	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	300.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	456.38126683235	[s]
caldsver	4.5.1.1	&#160	l1events	82155	Number of level 1 events
date	2012-08-29T14:49:34	Date and time of file creation			
revision	5	Processing version of data			

### 2.1.3 Events

Level 1 Events

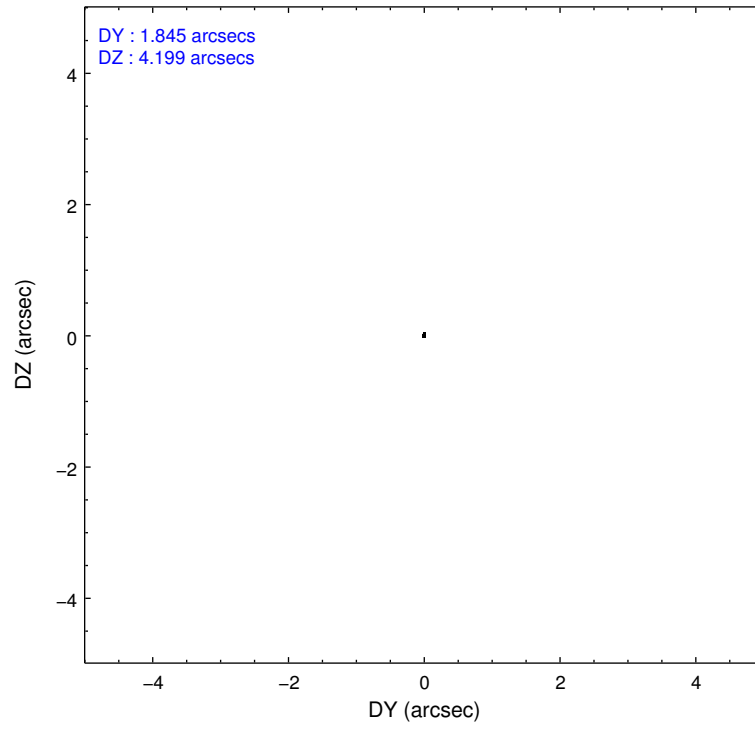
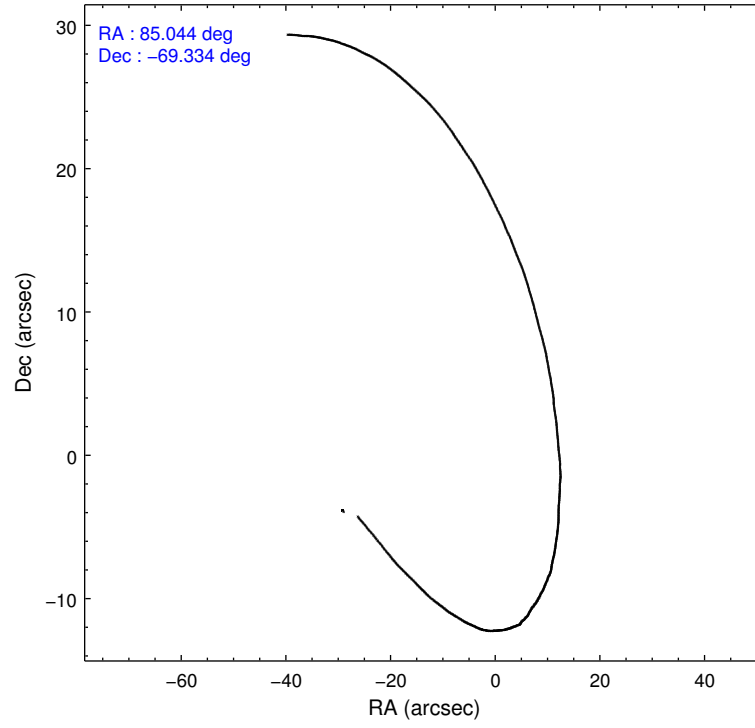
	segment 1	segment 2	segment 3
level 1 events	25781	27864	28510
rejected events	11134	12141	12330
rejected %	43%	43%	43%

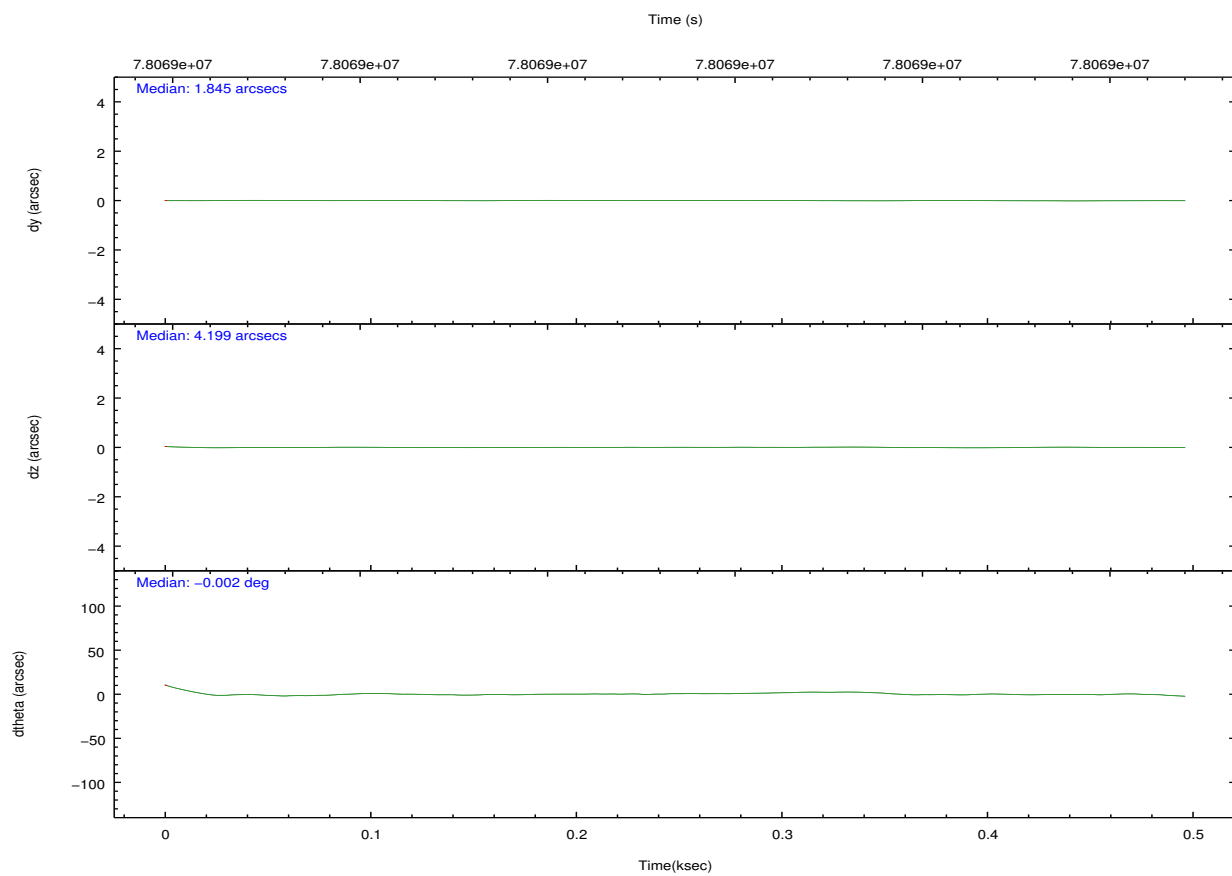
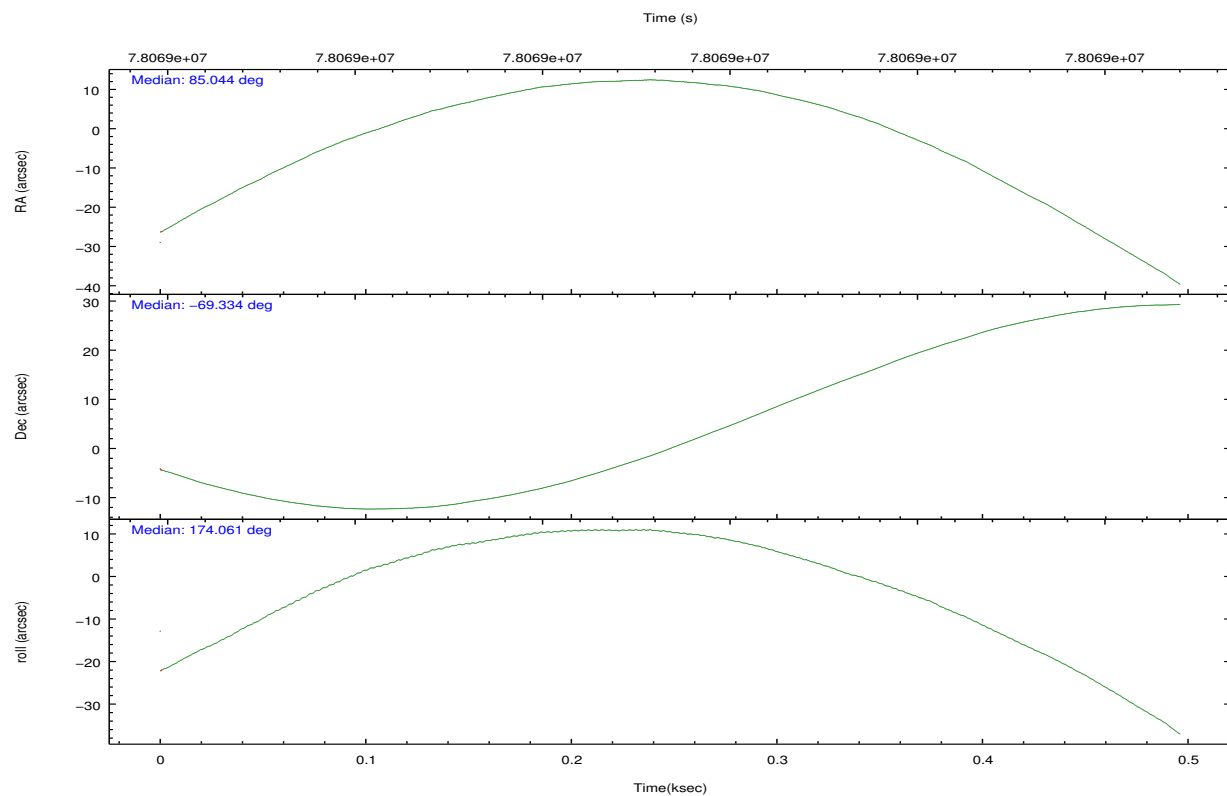
## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-S	HRC-S
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	85.105319	85.04253941529586
[deg] Pointing Dec	-69.318430	-69.33253273762386
[deg] Pointing Roll	174.054558	174.0631298407739
[mm] SIM focus pos	-1.429586	-1.428180813131781
[mm] SIM defocus	0.1037507710433287	0.1051558262725154
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	78069117.184000	78068741.225407
Observation start date	2000-06-22T13:50:53	2000-06-22T13:45:41
[s] Observation end time (MET)	78069417.184000	78069550.975437
Observation end date	2000-06-22T13:55:53	2000-06-22T13:59:10

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

## 2.3 Aspect





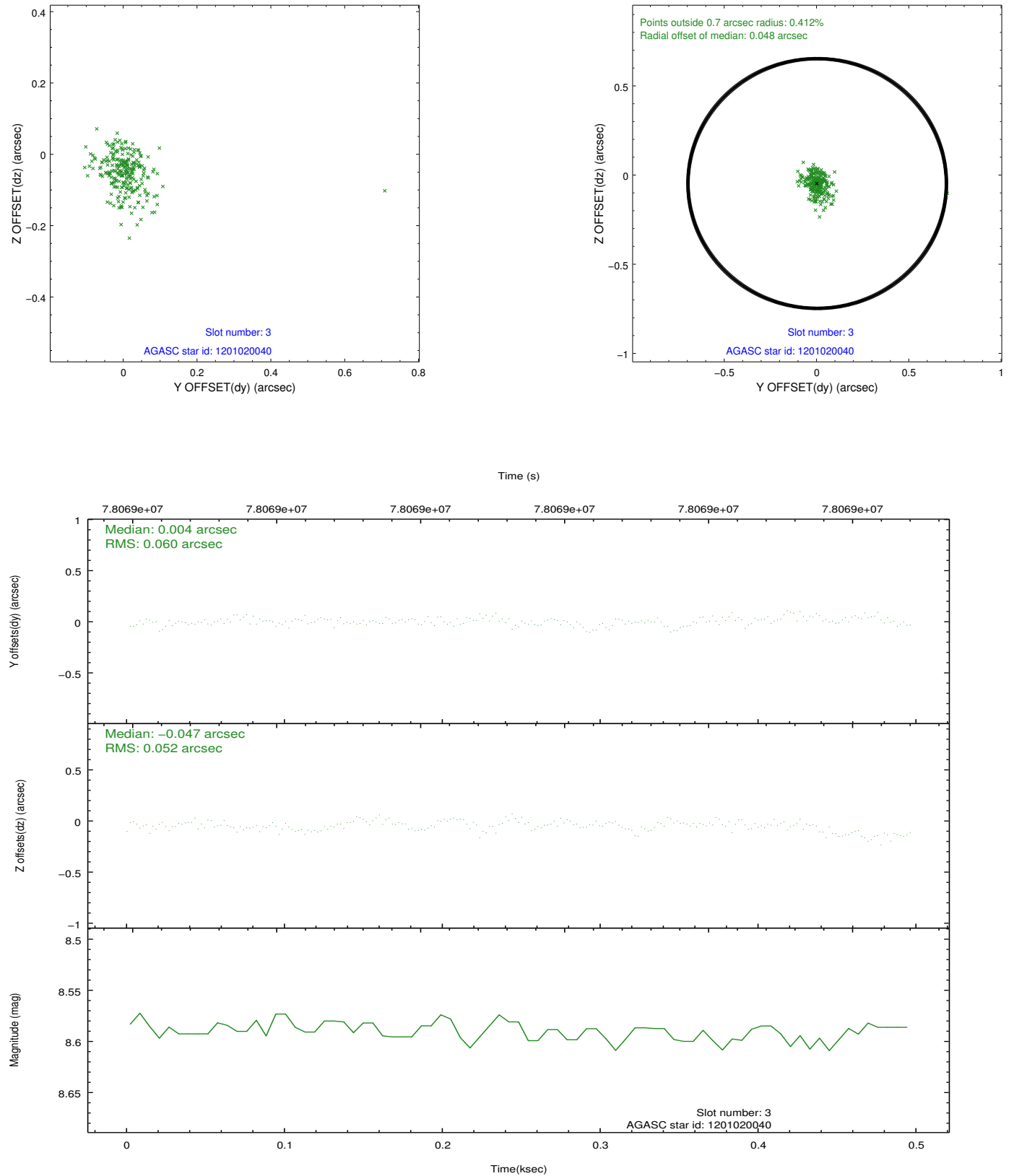
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.95	122	0.122	-0.110	0.007	0.013	0.000000	0.000000	-1155.88	-452.62
1	FID	HRC-S-3	6.98	122	0.146	-0.090	0.007	0.016	0.000000	0.000000	-1168.03	573.22
2	FID	HRC-S-4	6.92	122	0.119	-0.097	0.004	0.011	0.000000	0.000000	1232.82	584.12
3	GUIDE	1201020040	8.59	243	0.004	-0.047	0.066	0.113	85.379163	-68.879396	-175.35	-1611.46
4	GUIDE	1201019200	9.46	243	-0.101	0.105	0.127	0.216	84.213591	-68.777384	1370.24	-1818.34
5	GUIDE	1201406992	9.27	243	0.059	-0.070	0.076	0.121	83.682859	-69.471866	1746.41	745.35
6	GUIDE	1200885760	9.48	243	-0.078	0.070	0.100	0.175	83.723637	-68.777667	2011.79	-1729.76
7	GUIDE	1201020088	10.59	242	0.119	-0.026	0.147	0.249	86.319248	-68.997756	-1417.00	-1305.78

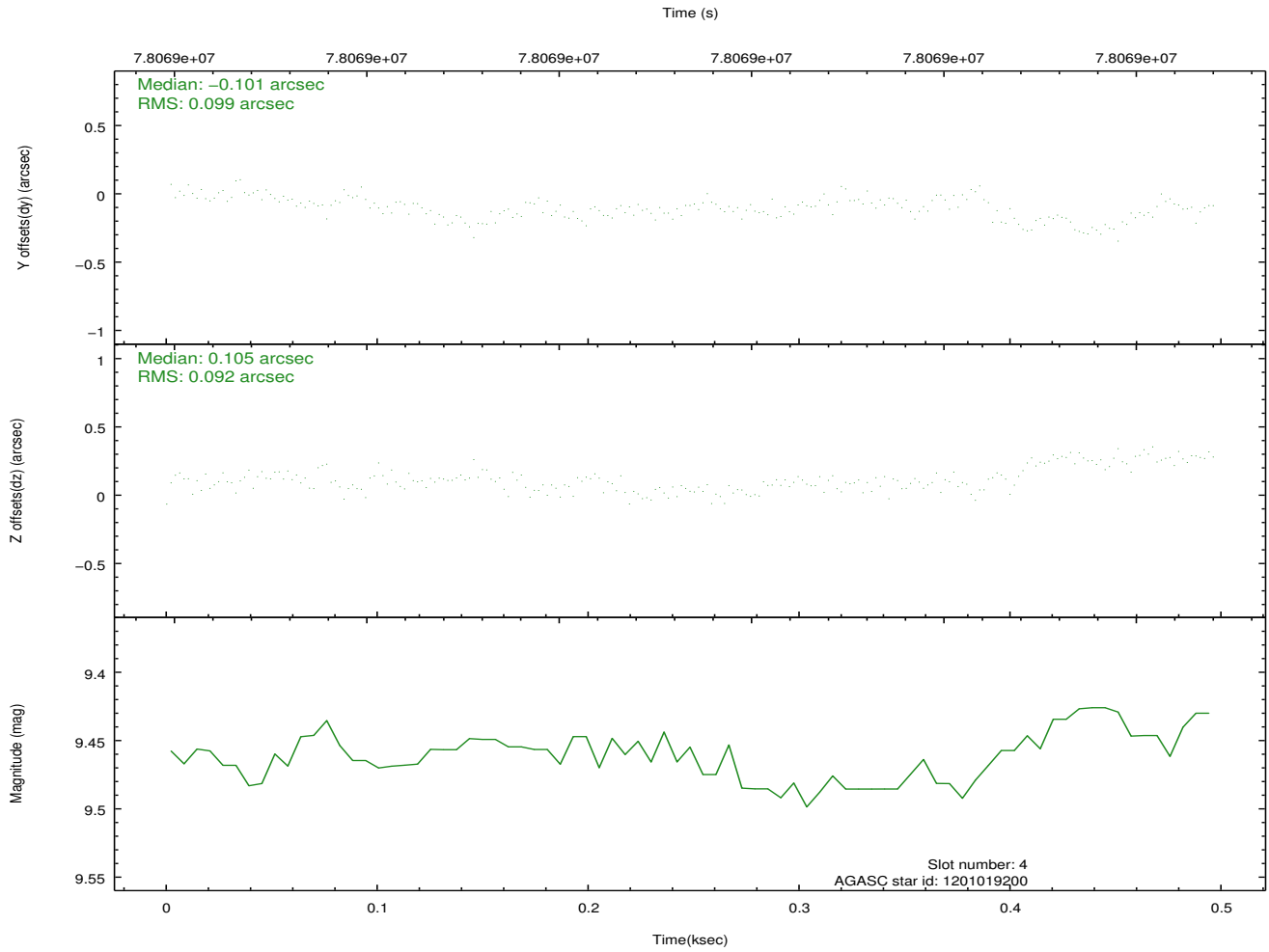
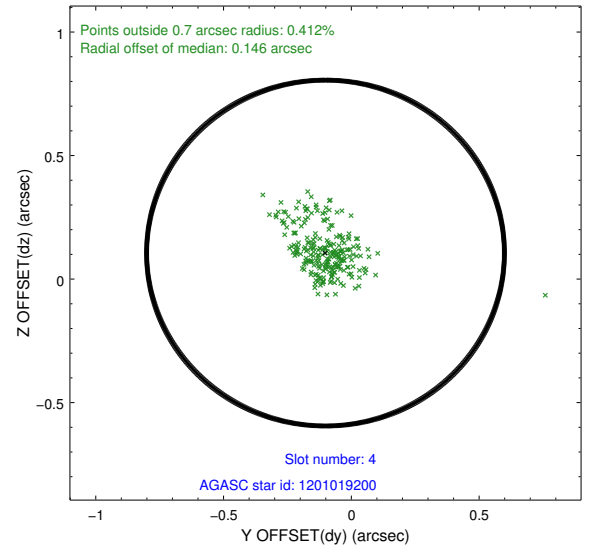
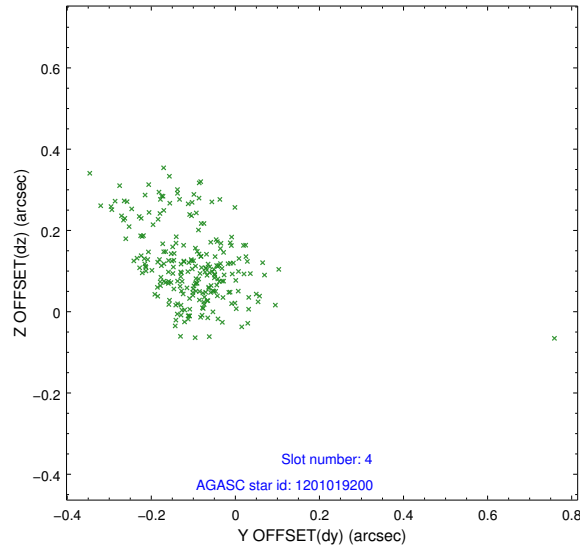


## 2.4 Star Slots

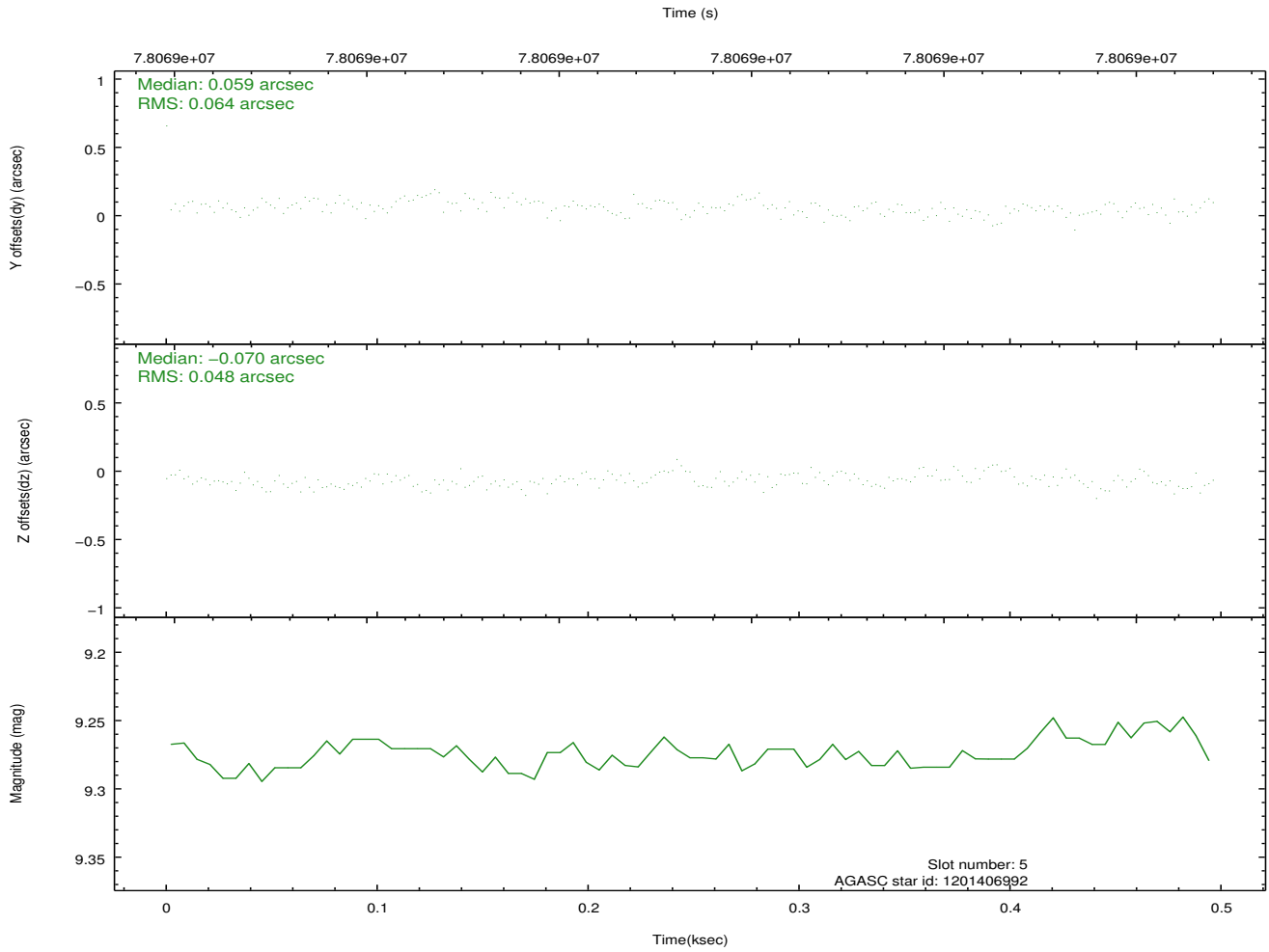
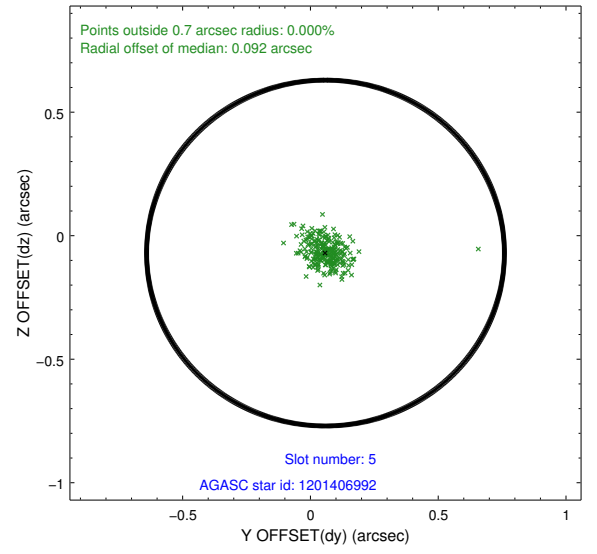
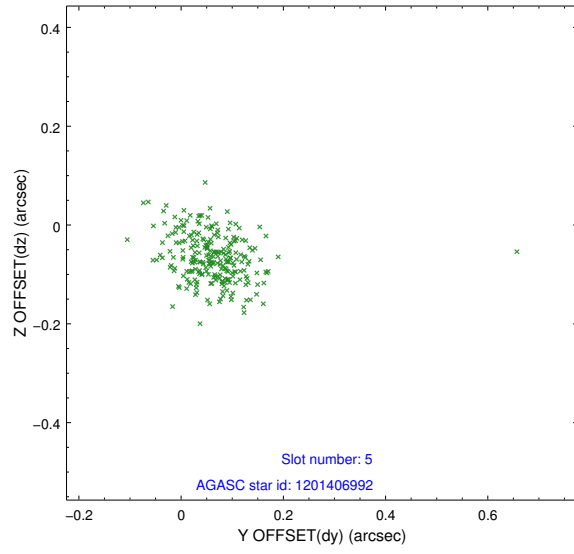
### 2.4.1 Slot 3



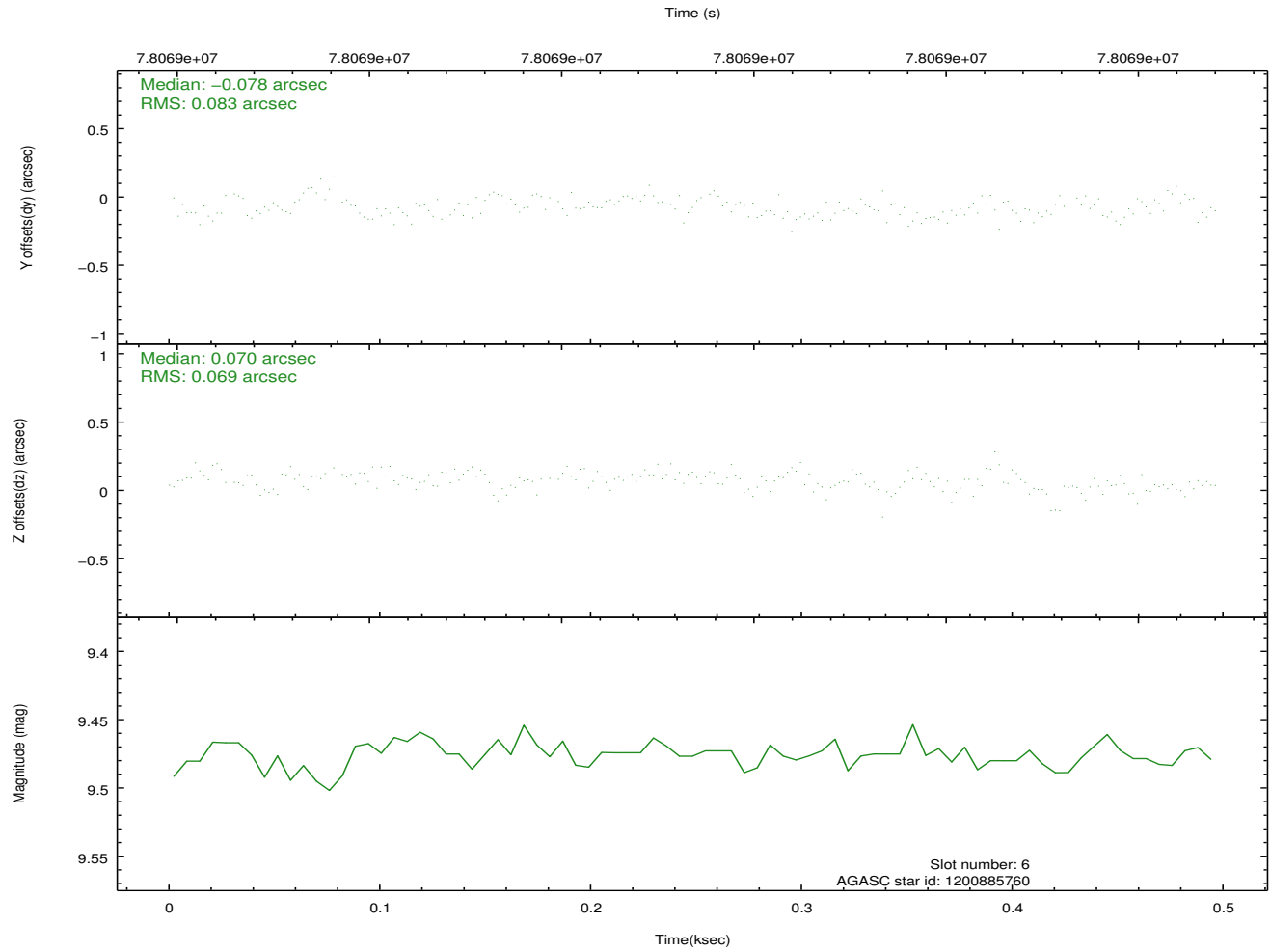
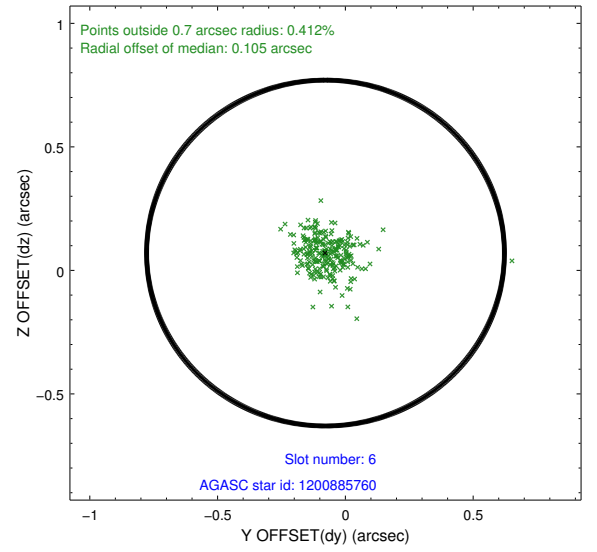
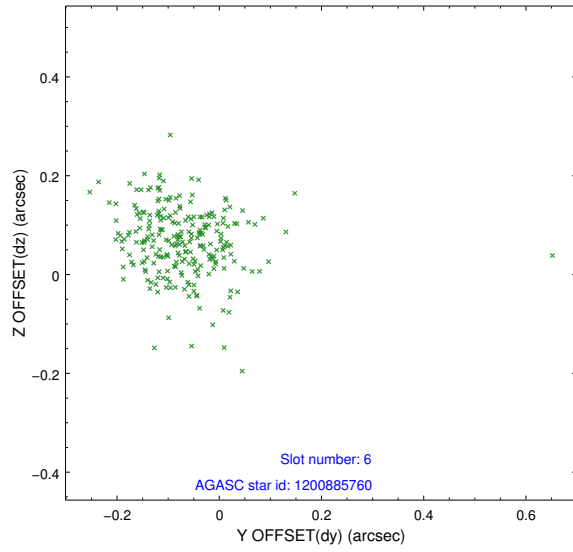
## 2.4.2 Slot 4



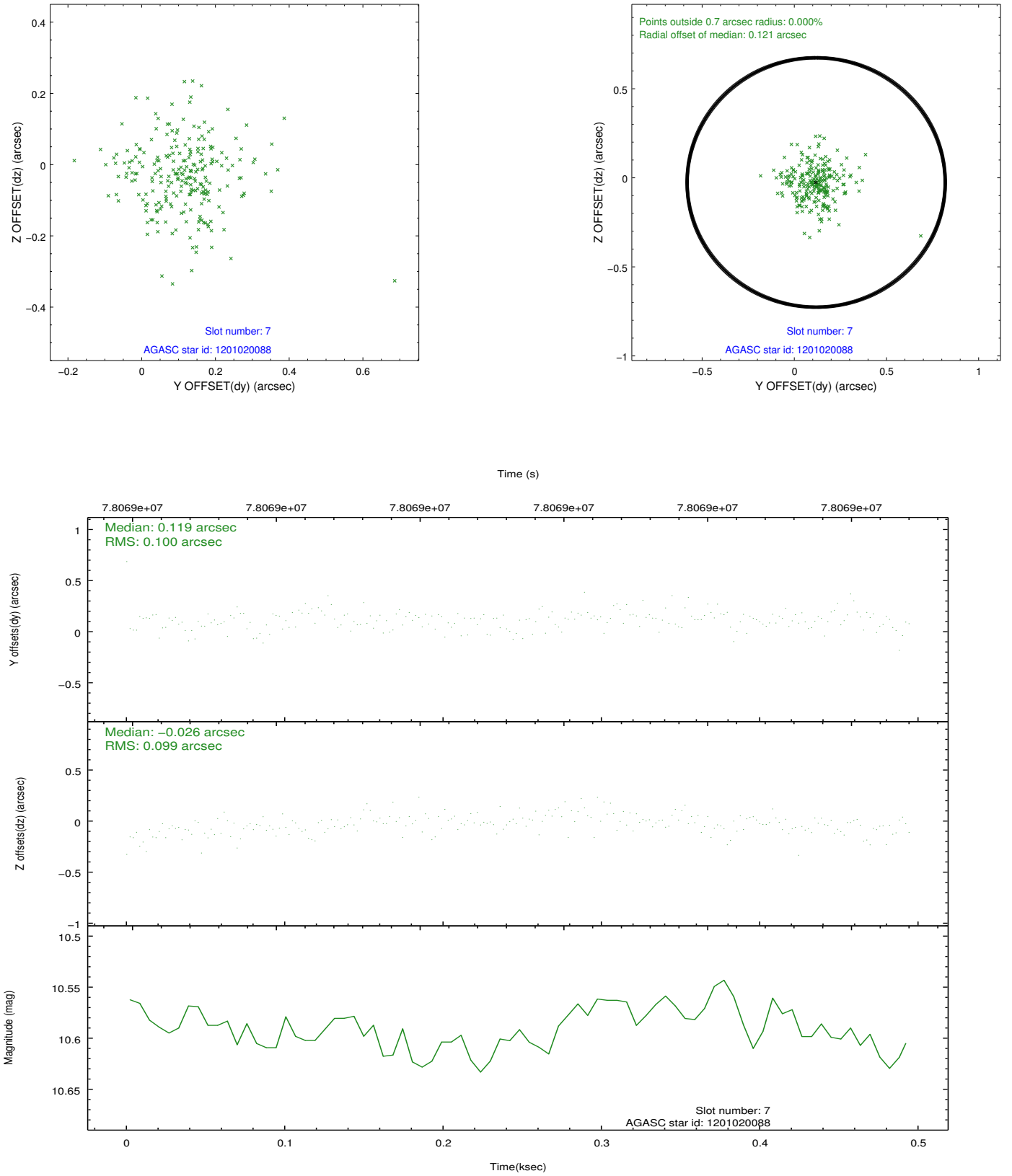
### 2.4.3 Slot 5



## 2.4.4 Slot 6

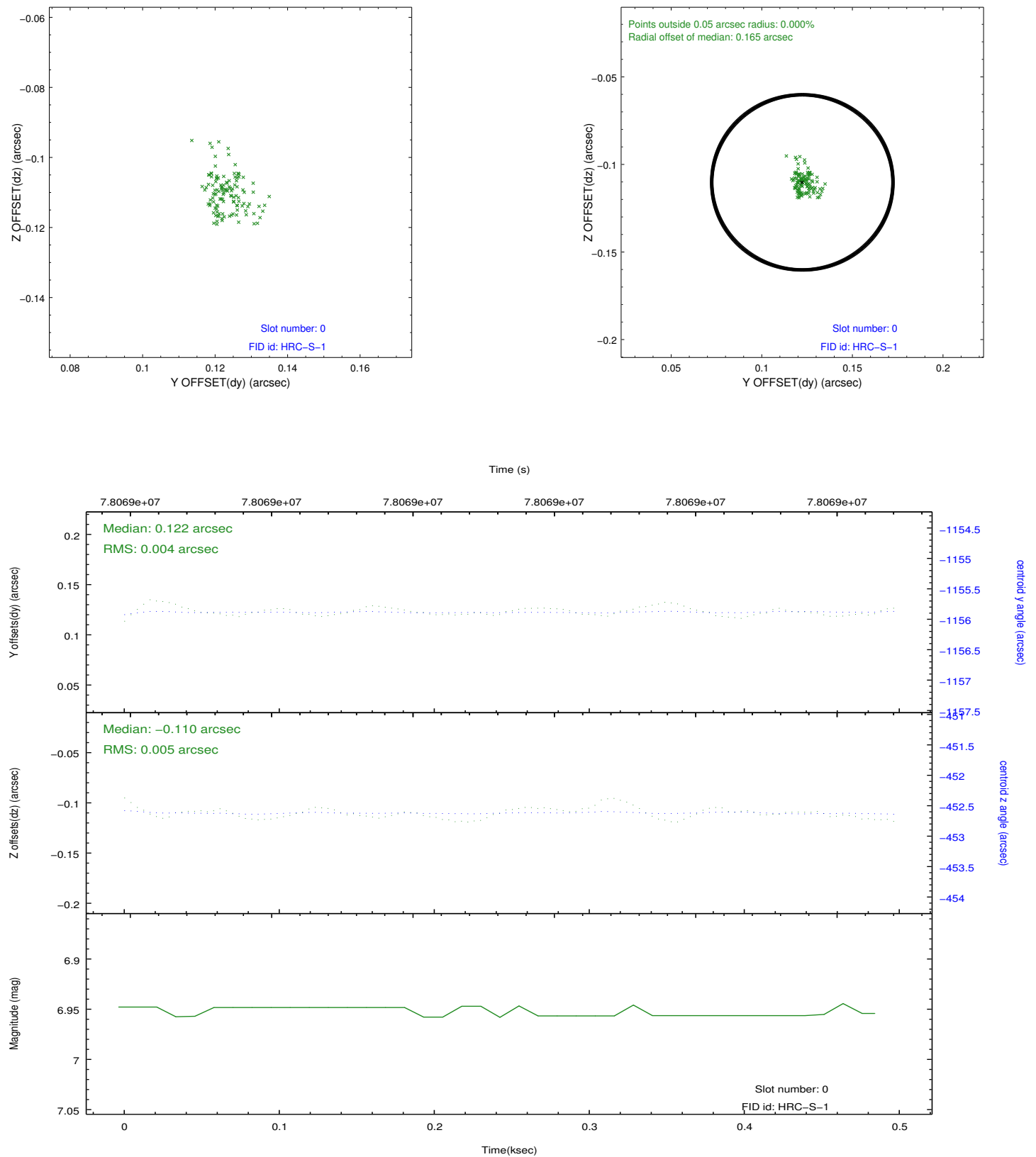


## 2.4.5 Slot 7

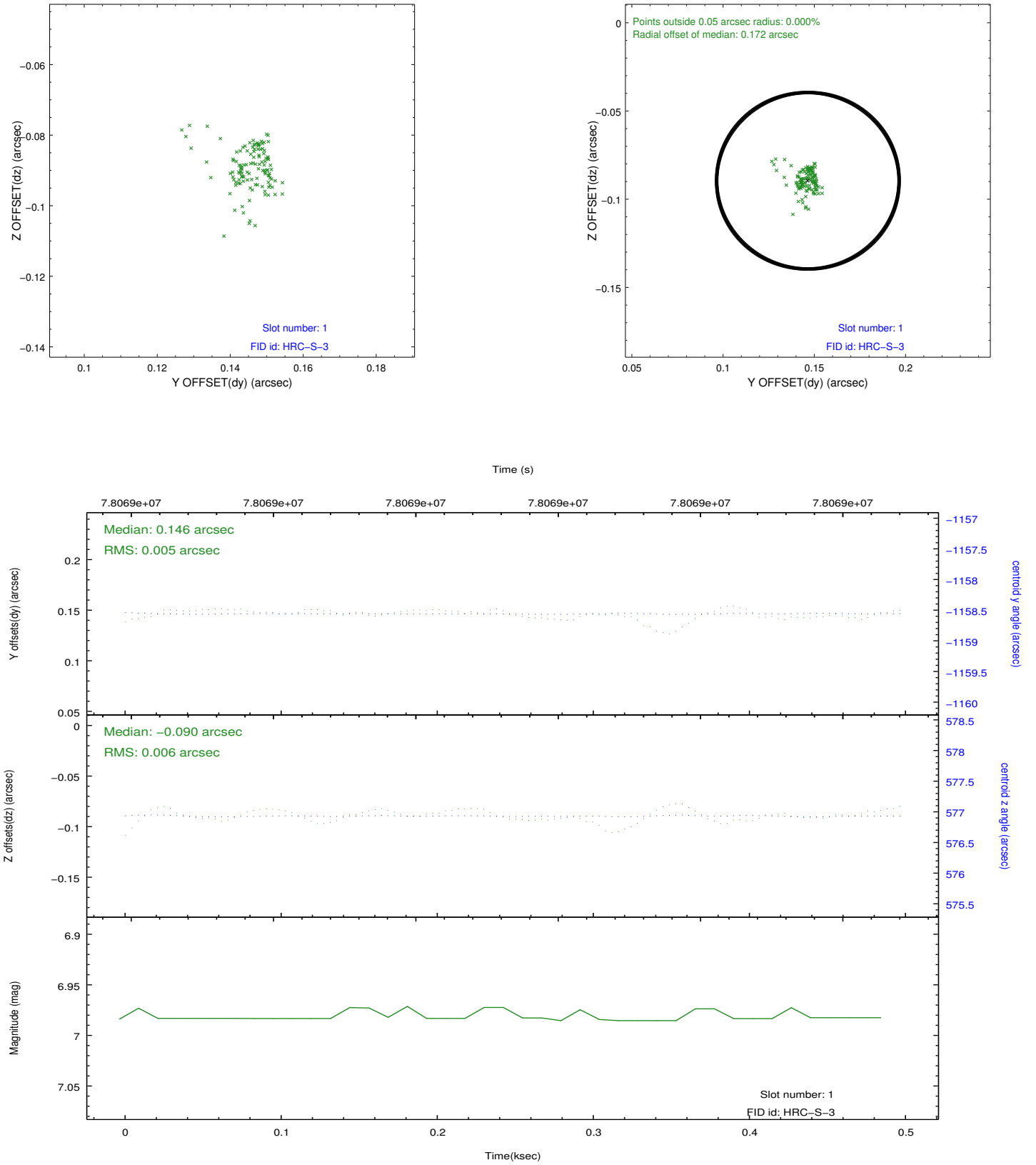


## 2.5 FID Slots

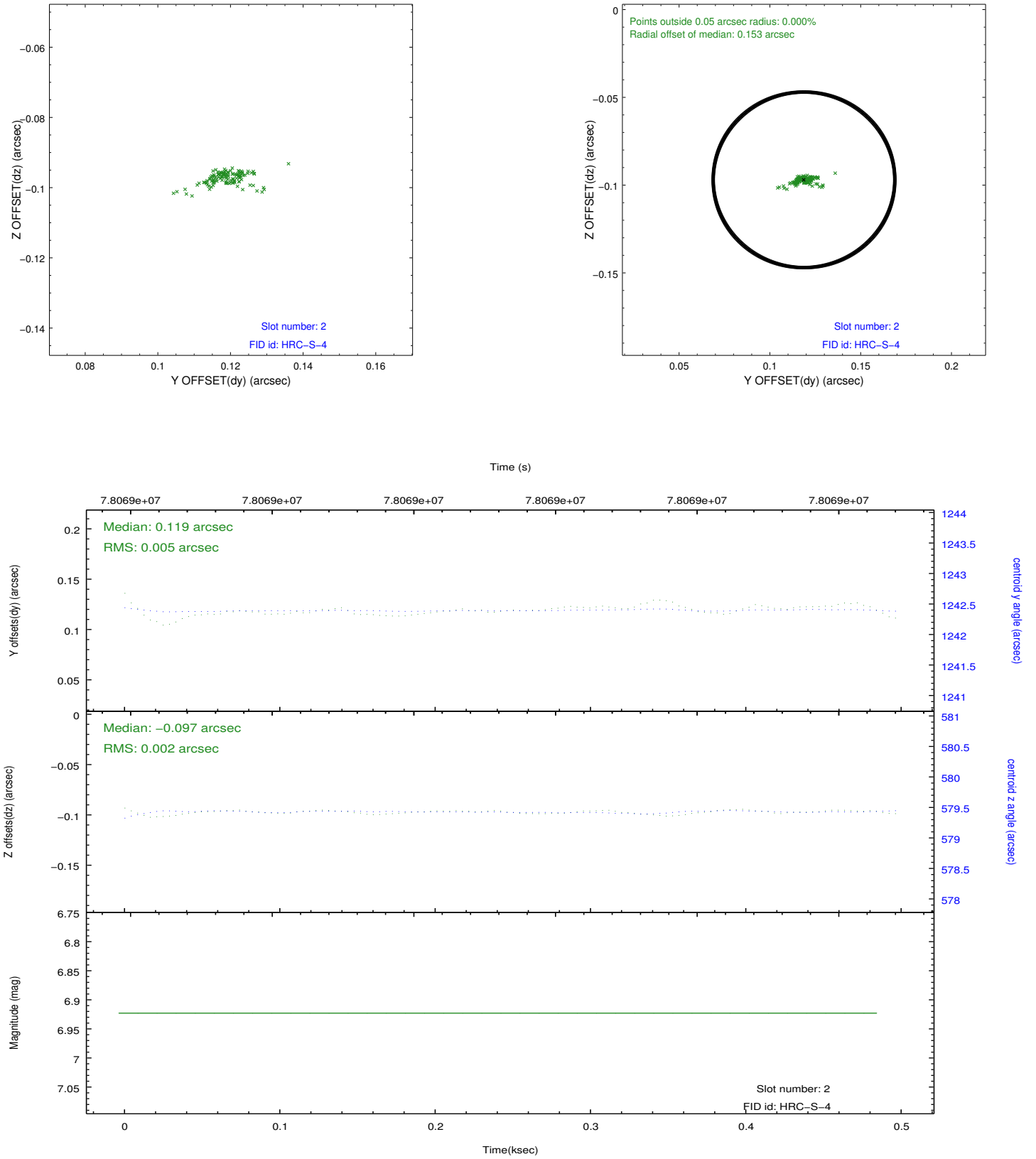
### 2.5.1 Slot 0



## 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)	2012.09.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	0.489

### A.2 Comments

Charge time for this ObsId remains at original value of 0.4890 ksec, although with the current processing the charge time would have been 0.456381 ksec.