

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 1739 - L2 Version 6  
Chandra X-Ray Center

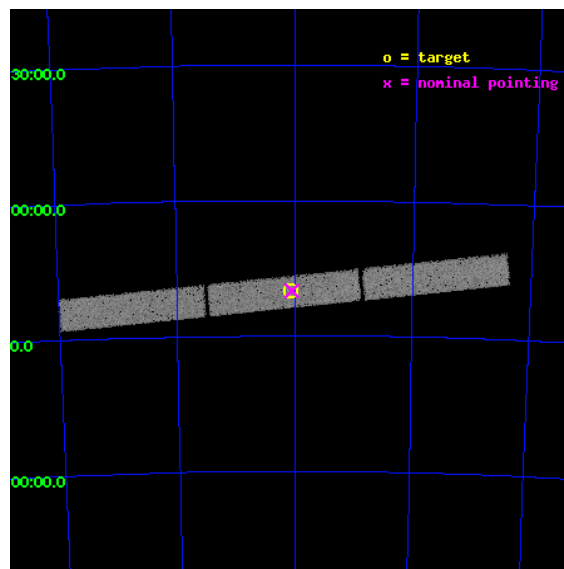
L2 Processing Date : Aug 29 2012

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# 1 Front

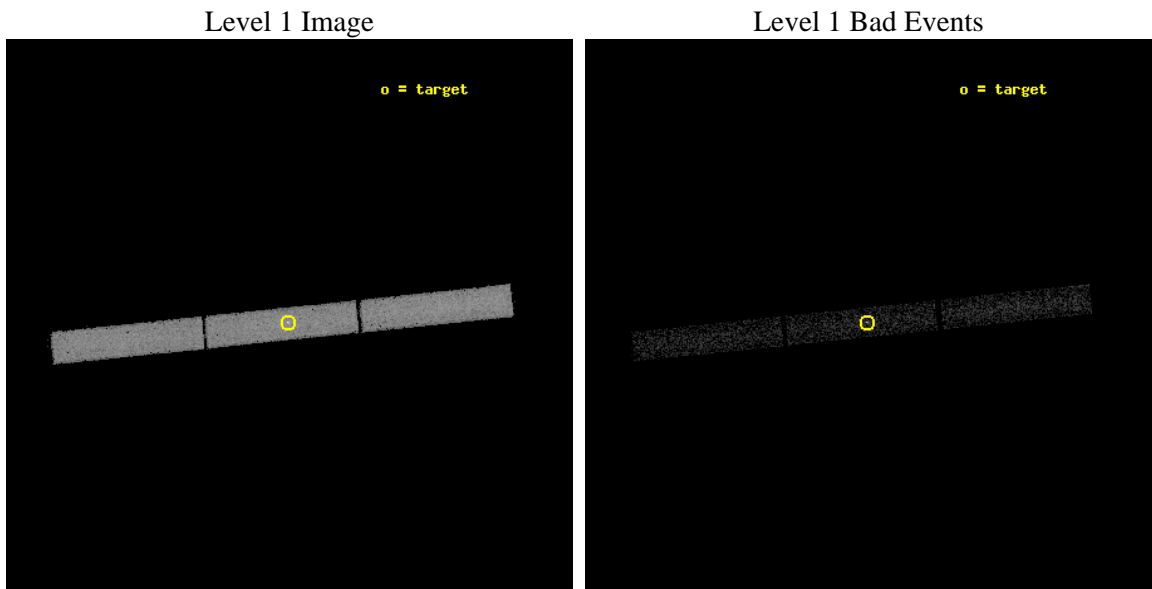
seq_num	590188	Sequence number
obs_id	1739	Observation id
title	VERIFICATION OF AXAF TIMING CAPABILITY	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	PSR B0540-69	Source name
ra_targ	85.04625	Observer's specified target RA [deg]
dec_targ	-69.332	Observer's specified target Dec [deg]
ra_nom	85.0288973219	Nominal RA [deg]
dec_nom	-69.332729457255	Nominal Dec [deg]
roll_nom	174.05943084521	Nominal Roll [deg]
revision	6	Processing version of data
ontime	452.2812666893	[s]
livetime	448.84222730897	Ontime multiplied by DTCOR
l2events	38067	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	452.2812666893	[s]
caldsver	4.5.1.1	&#160	l1events	76313	Number of level 1 events
date	2012-08-29T14:49:33	Date and time of file creation			
revision	5	Processing version of data			

### 2.1.3 Events

Level 1 Events

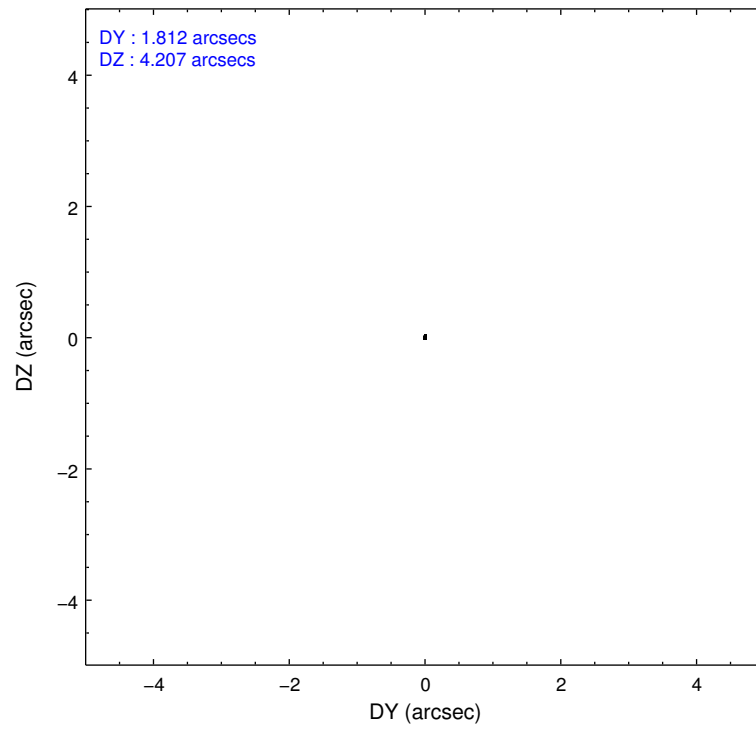
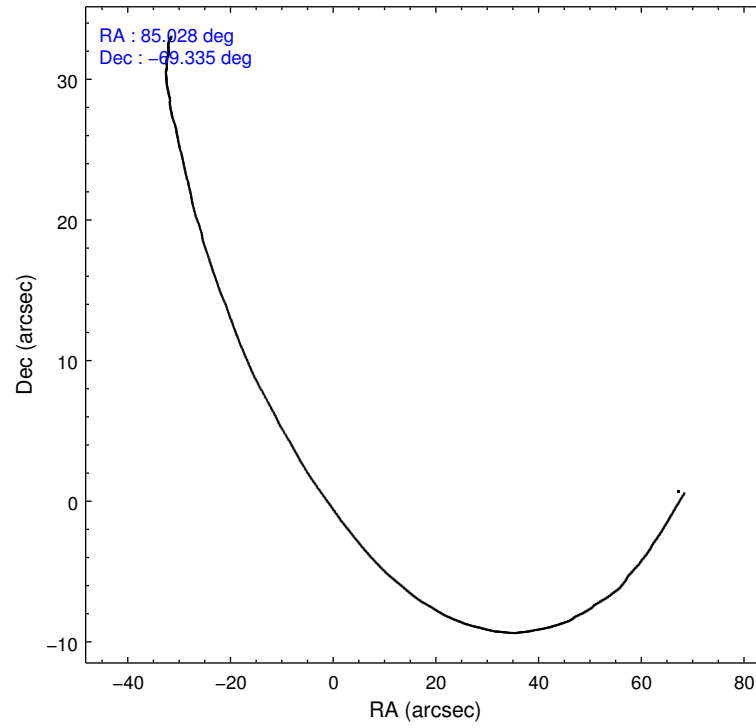
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	21890	30680	23743
rejected events	5827	13929	6464
rejected %	26%	45%	27%

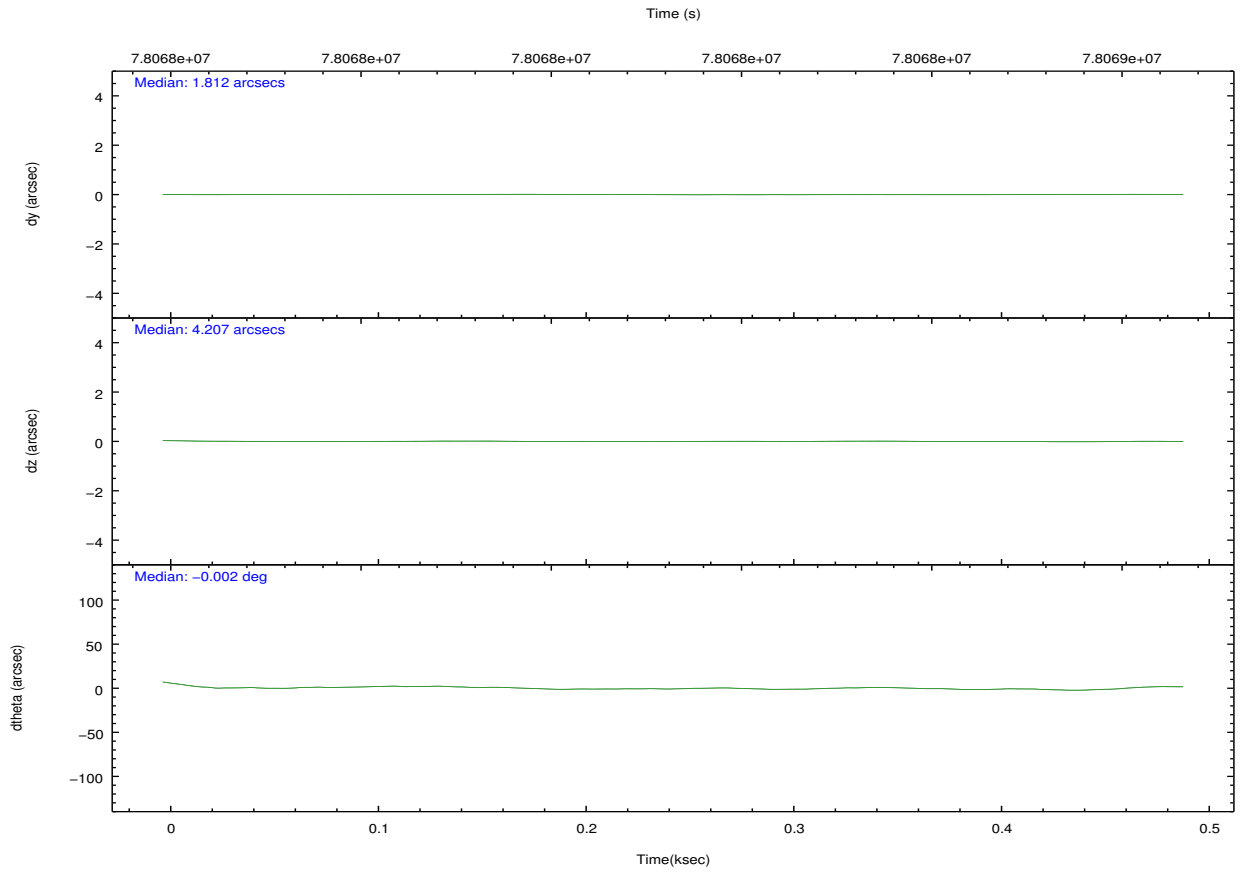
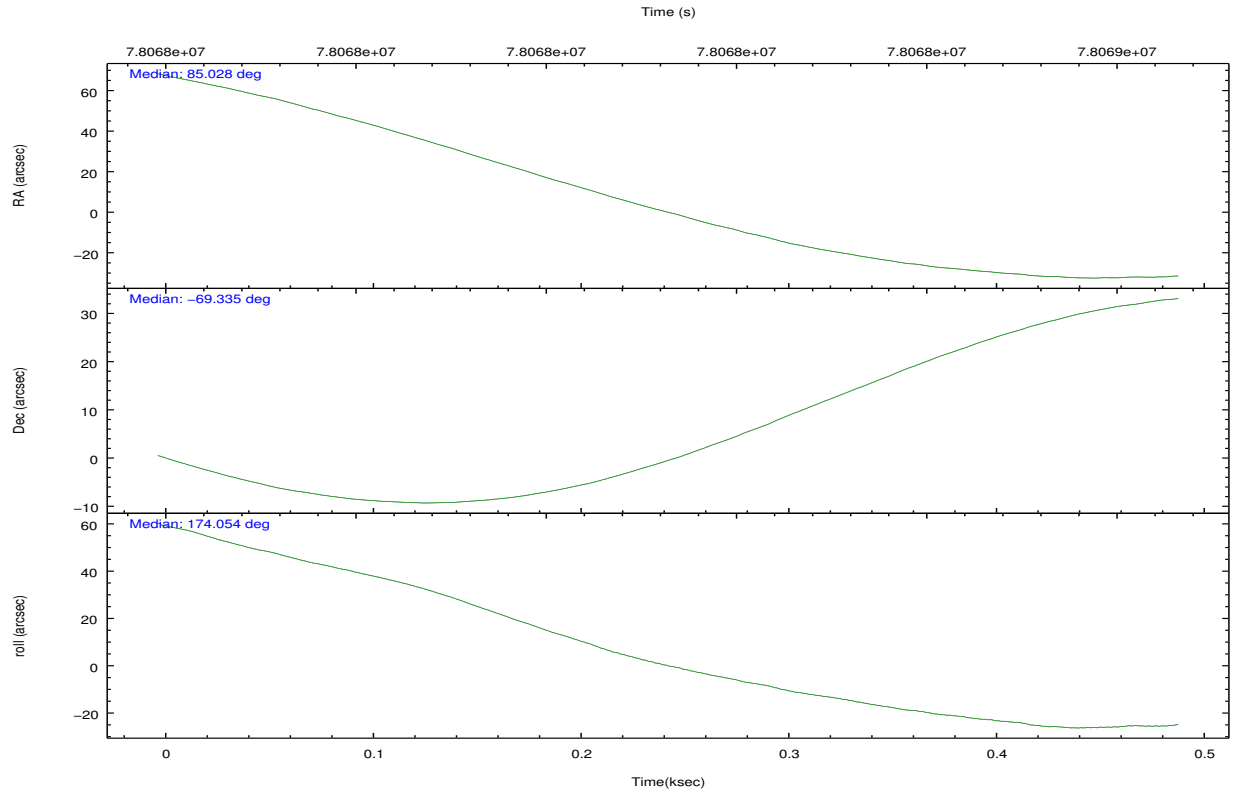
## 2.2 Compared Parameters

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	85.105313	85.02889732189971
[deg] Pointing Dec	-69.318422	-69.33272945725545
[deg] Pointing Roll	174.063673	174.0594308452126
[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)	78068307.184000	78067930.96287701
Observation start date	2000-06-22T13:37:23	2000-06-22T13:32:10
[s] Observation end time (MET)	78068607.184000	78068741.225407
Observation end date	2000-06-22T13:42:23	2000-06-22T13:45:41

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

## 2.3 Aspect





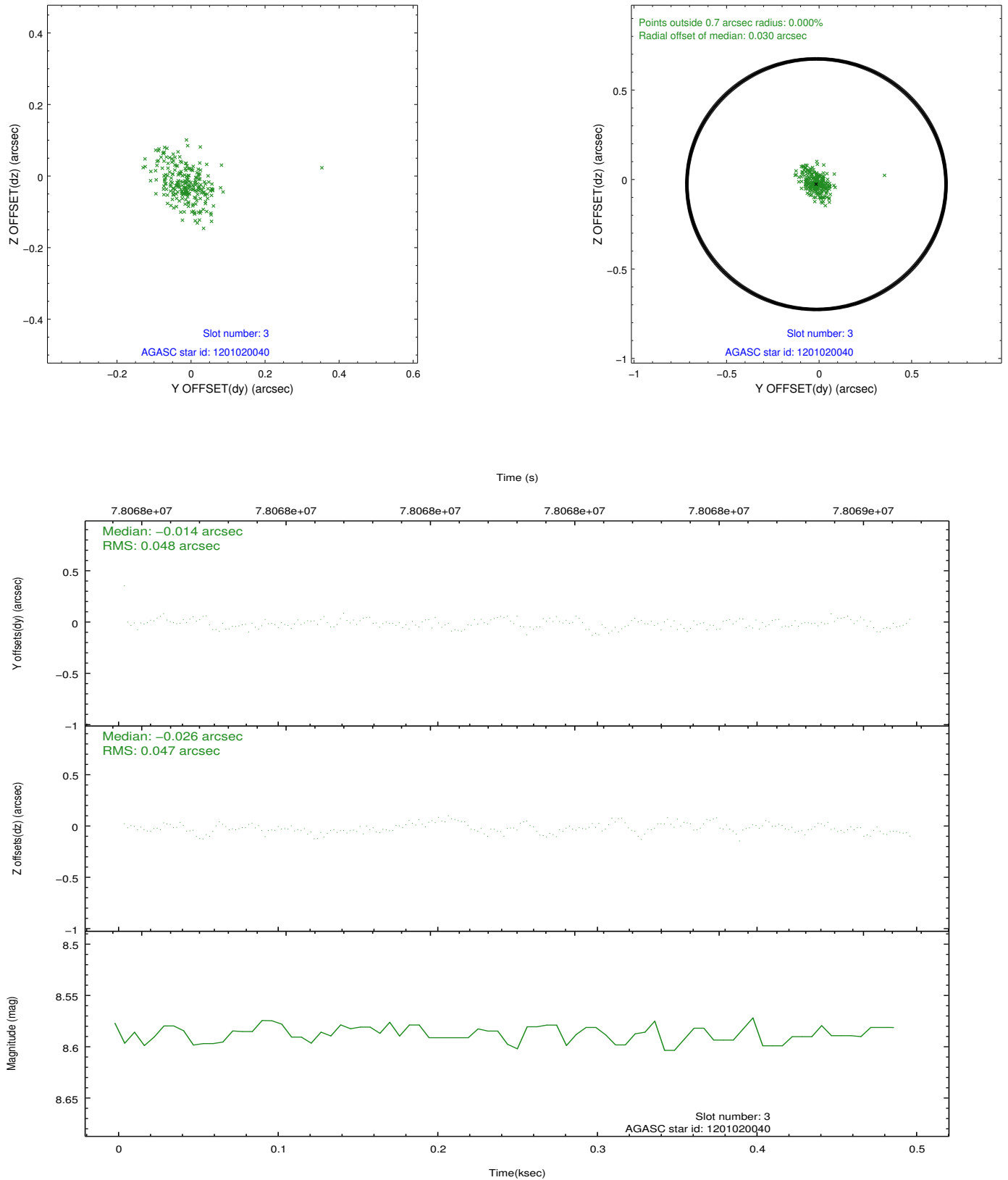
### Slot Statistics

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	120	0.124	-0.111	0.009	0.012	0.000000	0.000000	-1155.85	-452.63
1	FID	HRC-S-3	6.98	120	0.145	-0.088	0.008	0.015	0.000000	0.000000	-1168.16	573.16
2	FID	HRC-S-4	6.93	120	0.118	-0.098	0.005	0.013	0.000000	0.000000	1232.69	584.19
3	GUIDE	1201020040	8.59	241	-0.014	-0.026	0.065	0.114	85.379163	-68.879396	-192.77	-1613.91
4	GUIDE	1201019200	9.47	241	-0.082	0.089	0.103	0.172	84.213591	-68.777384	1352.76	-1821.13
5	GUIDE	1201406992	9.27	241	0.079	-0.063	0.094	0.148	83.682859	-69.471866	1729.36	742.52
6	GUIDE	1200885760	9.48	241	-0.088	0.084	0.104	0.193	83.723637	-68.777667	1994.35	-1732.52
7	GUIDE	1201020088	10.59	240	0.075	-0.054	0.164	0.305	86.319248	-68.997756	-1434.39	-1308.18

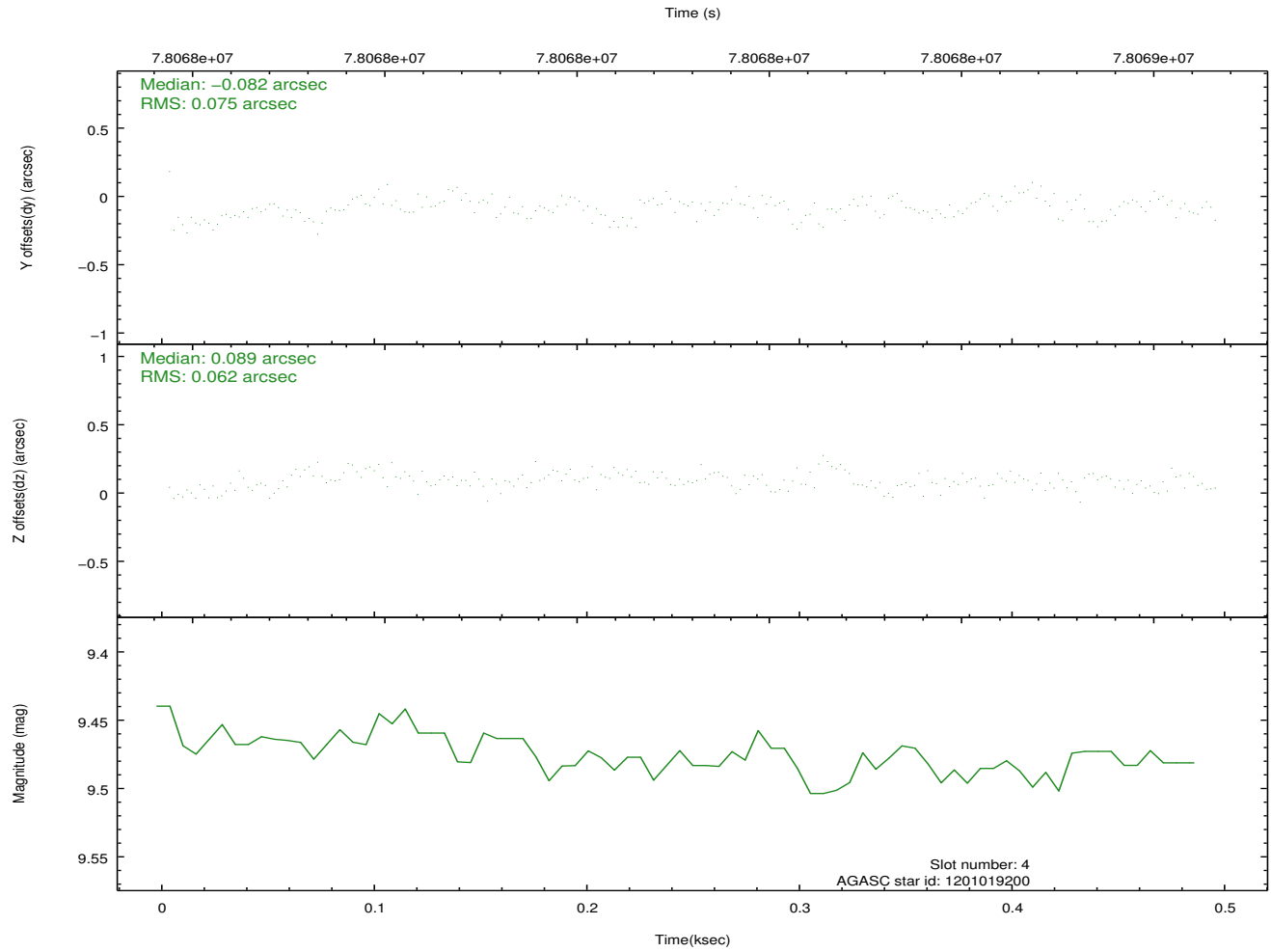
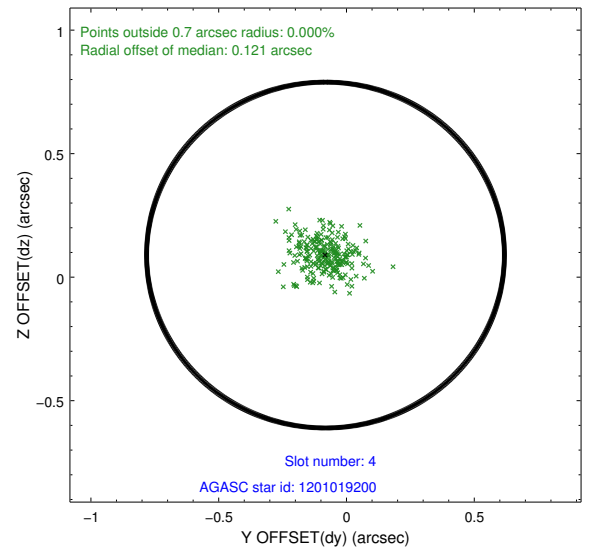
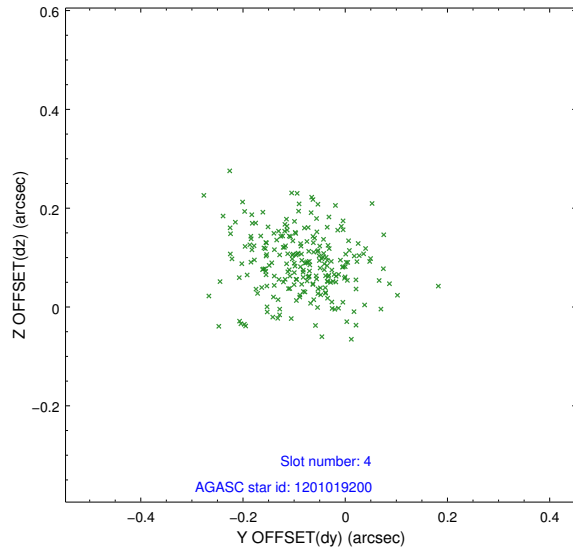


## 2.4 Star Slots

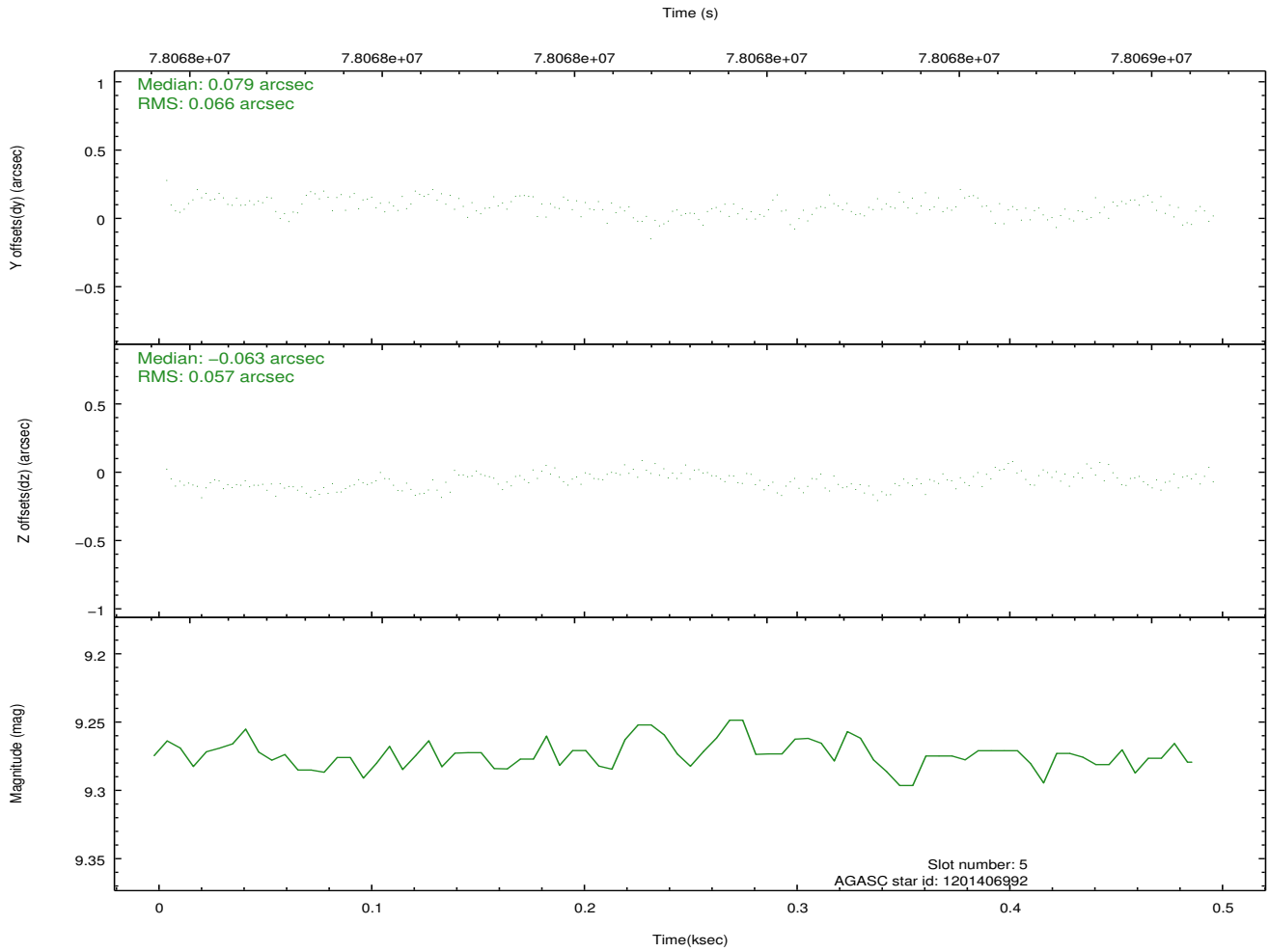
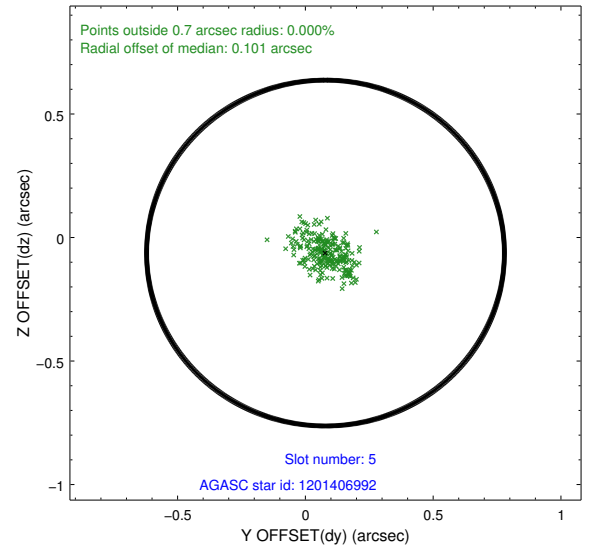
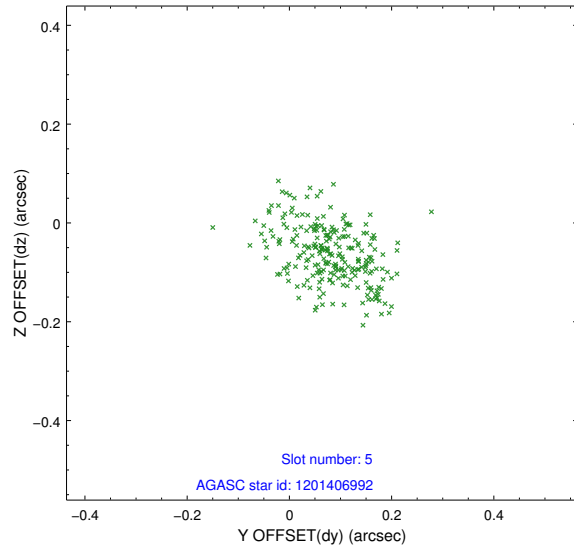
### 2.4.1 Slot 3



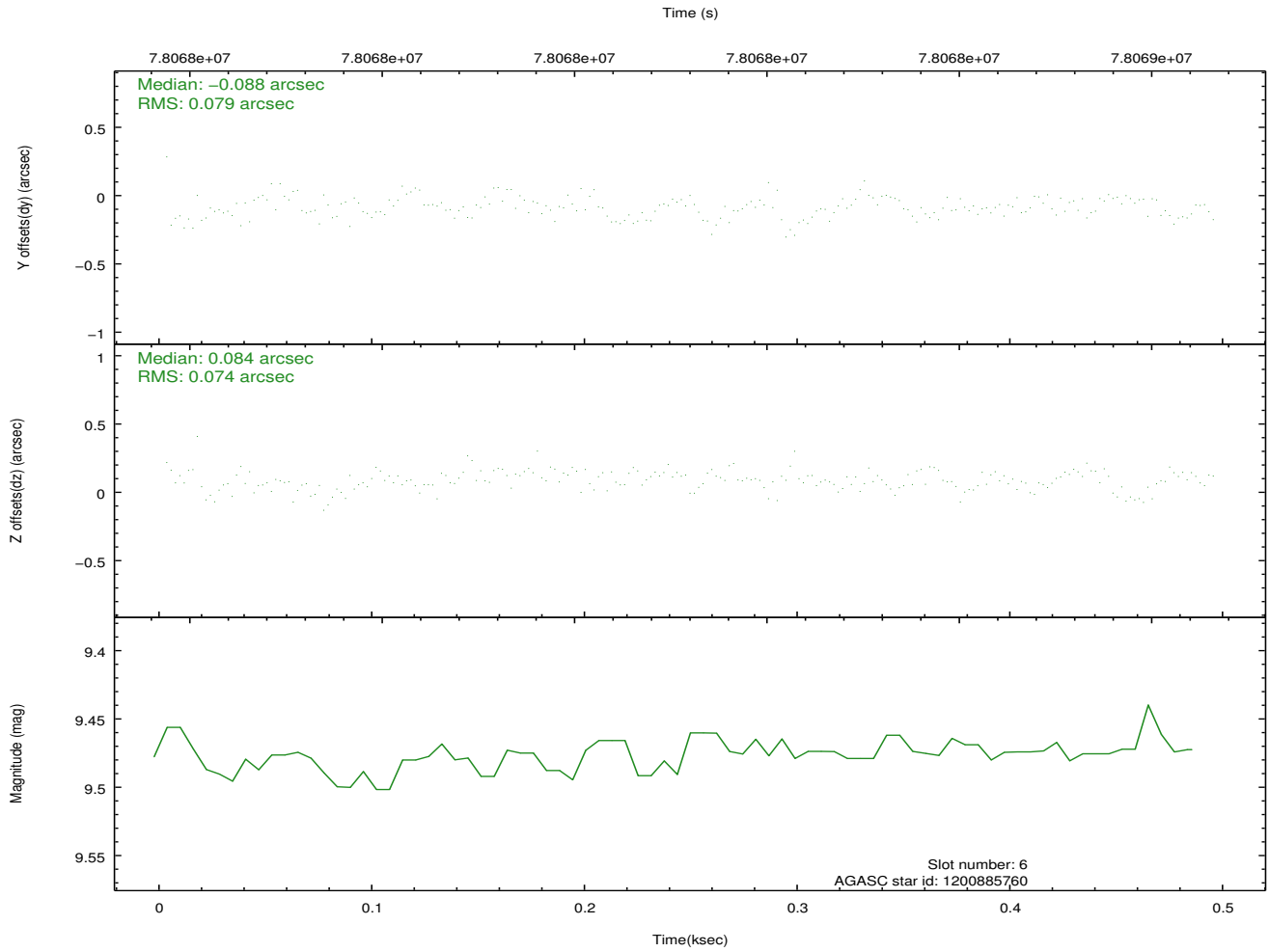
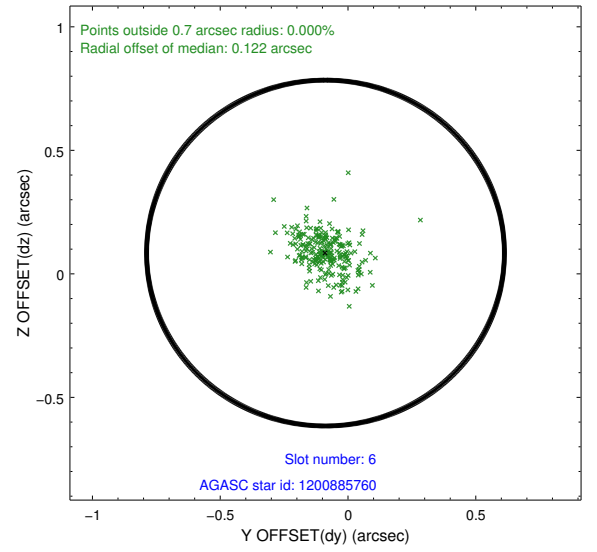
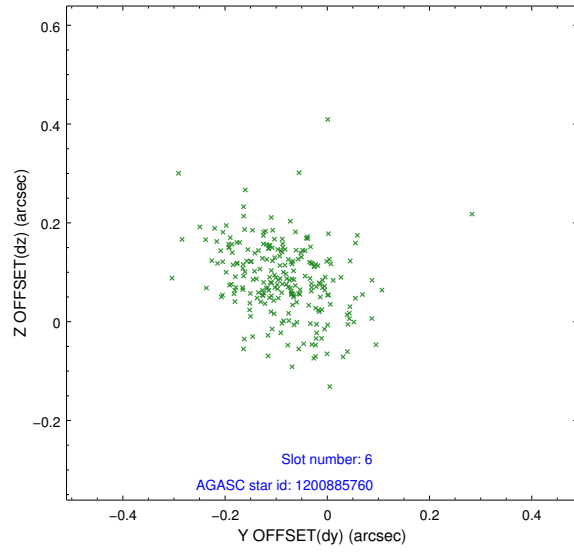
## 2.4.2 Slot 4



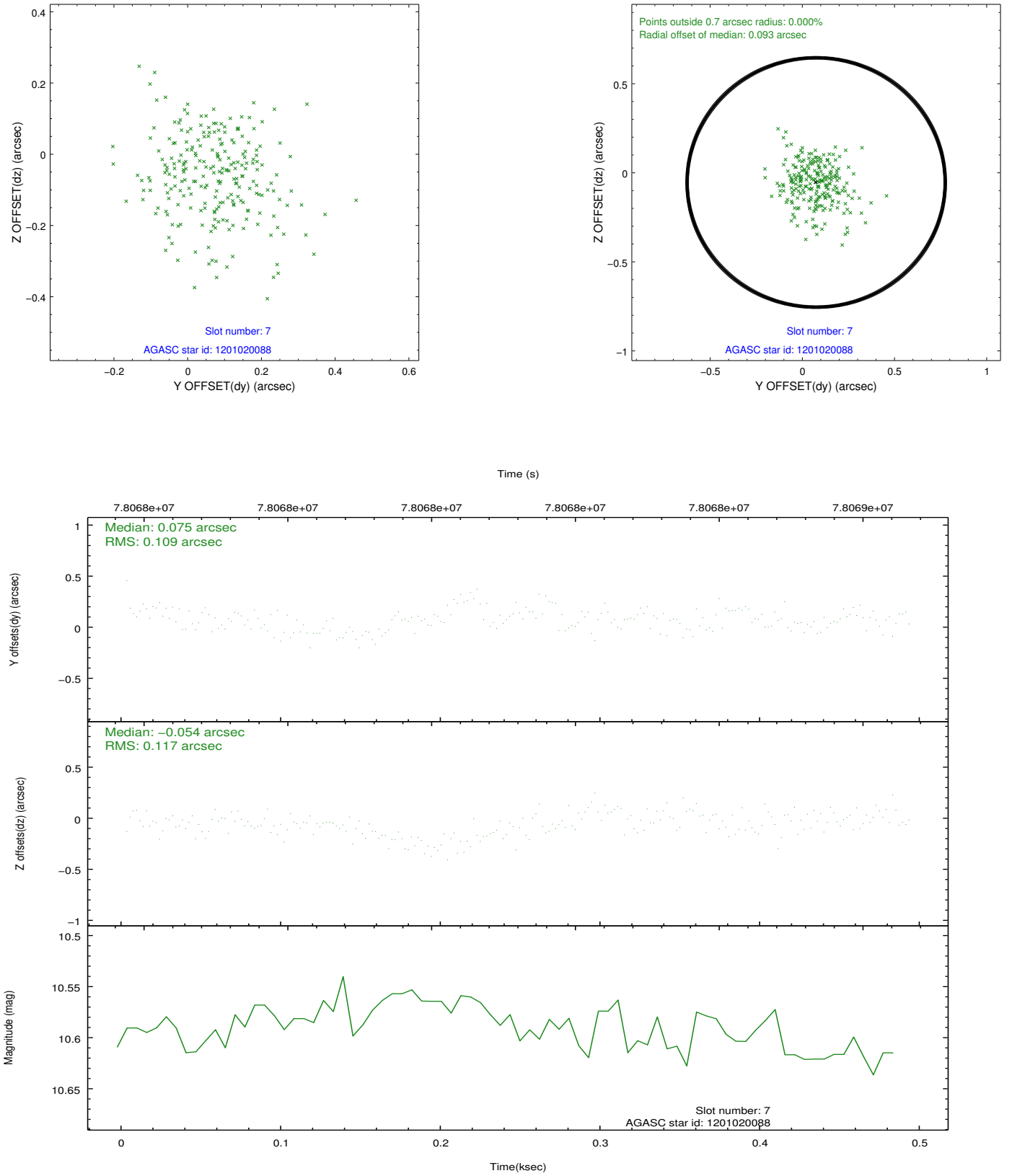
### 2.4.3 Slot 5



## 2.4.4 Slot 6

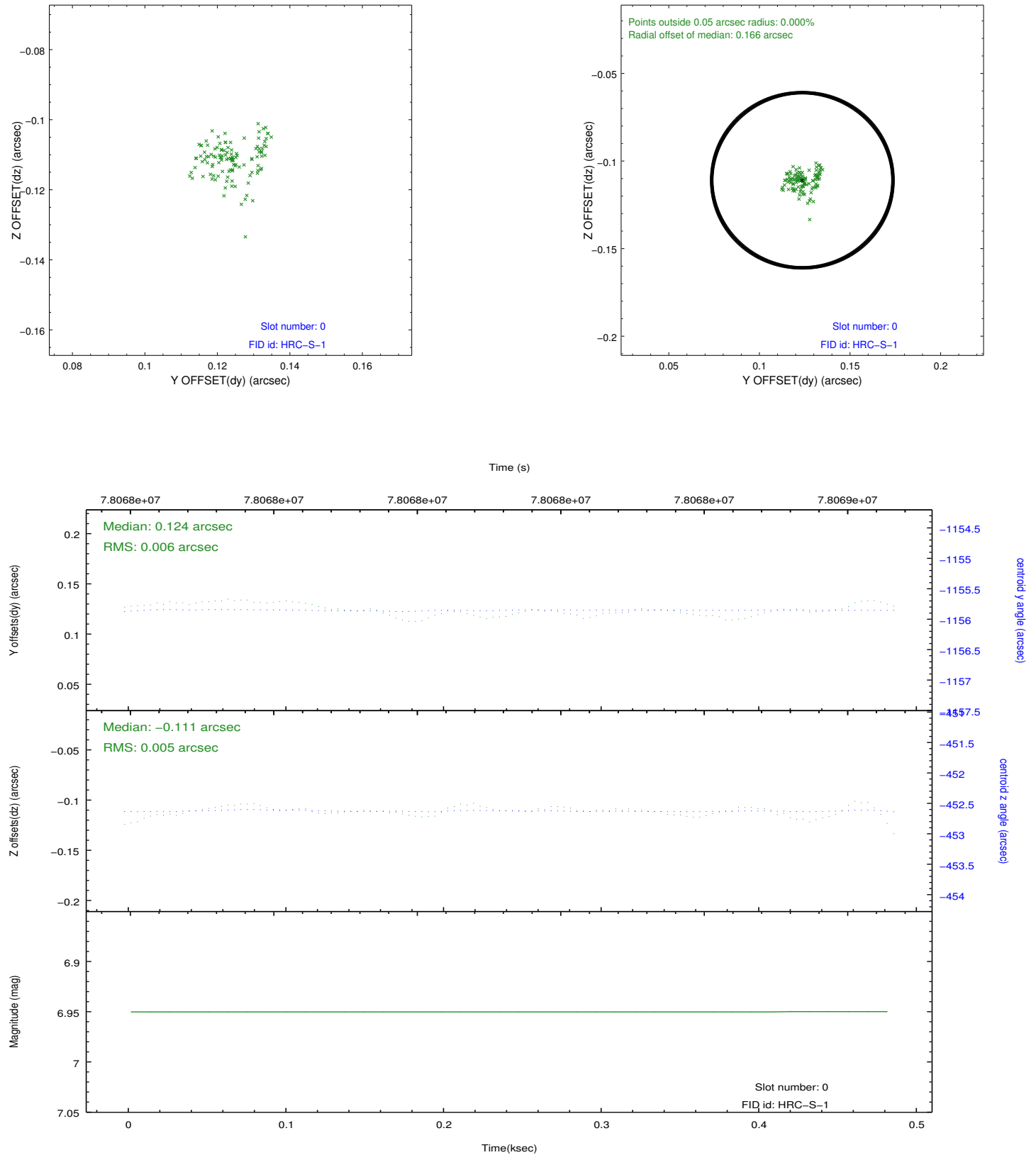


## 2.4.5 Slot 7

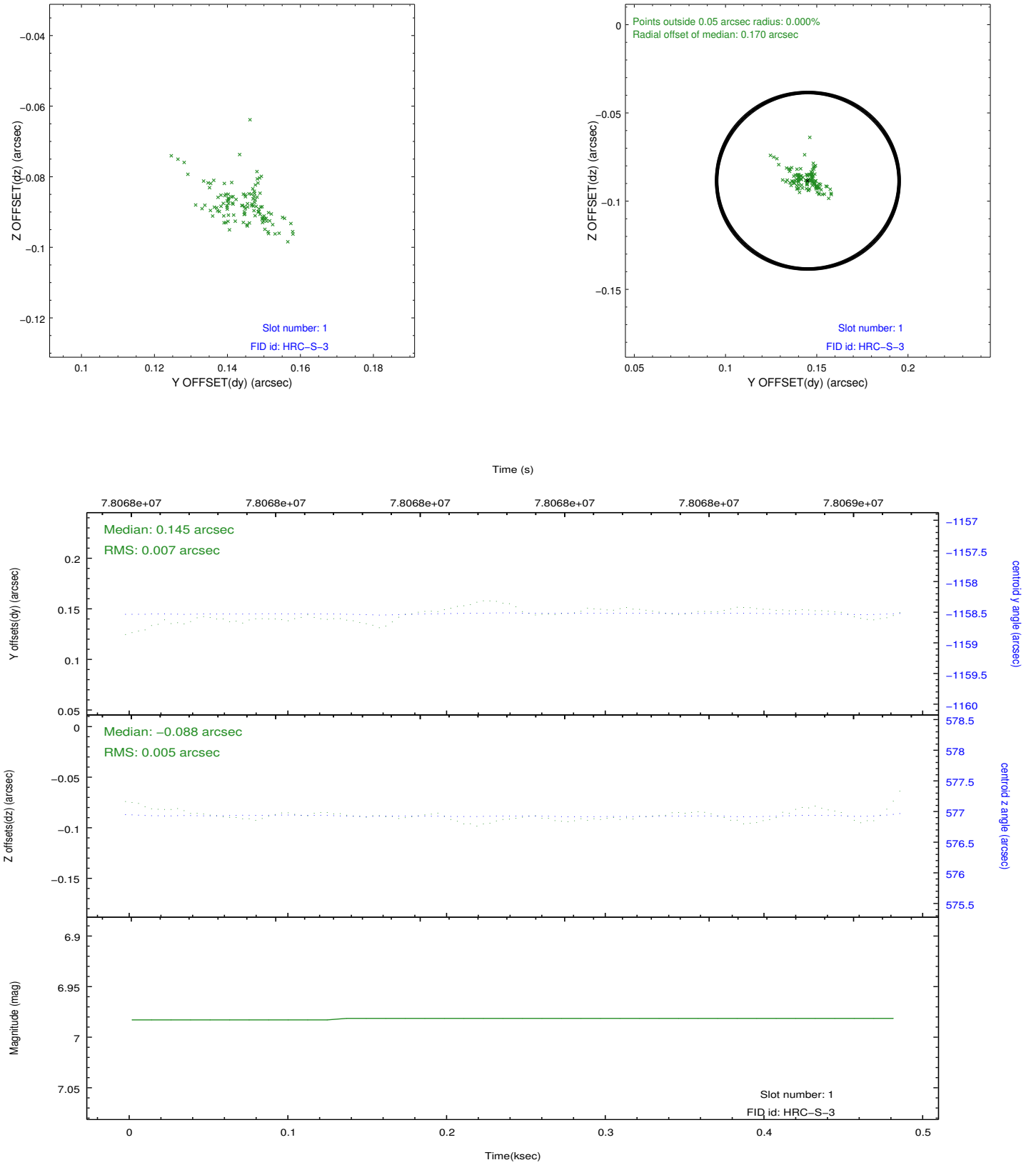


## 2.5 FID Slots

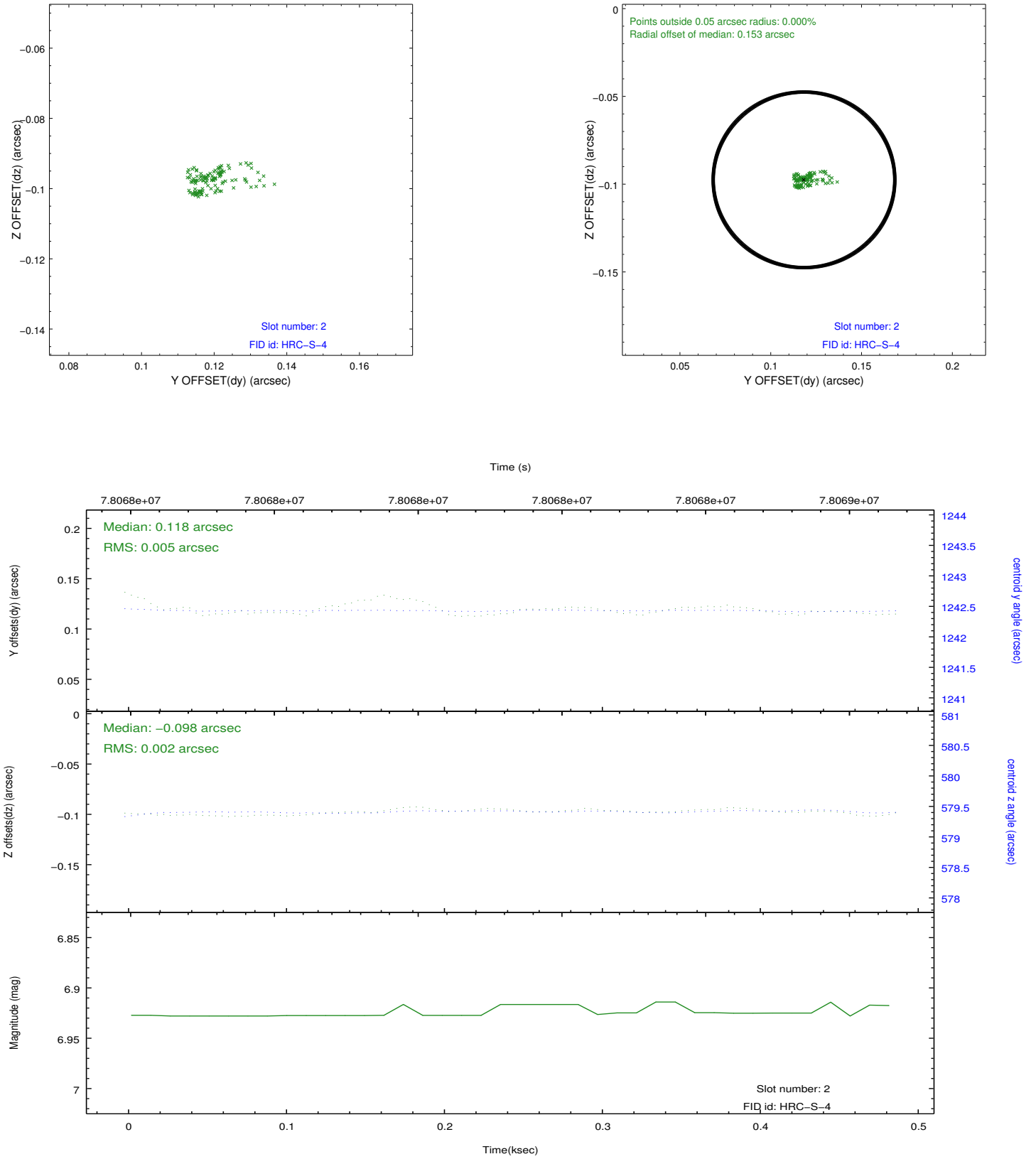
### 2.5.1 Slot 0



## 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)	2012.08.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	0.485

## A.2 Comments

Charge time for this ObsId remains at original value of 0.485 ksec, although with the current processing the charge time would have been 0.452 ksec.