

# V&V Reference Report

## L2 ASCDS Version : 8.5.1

Observation 6040 - L2 Version 3  
Chandra X-Ray Center

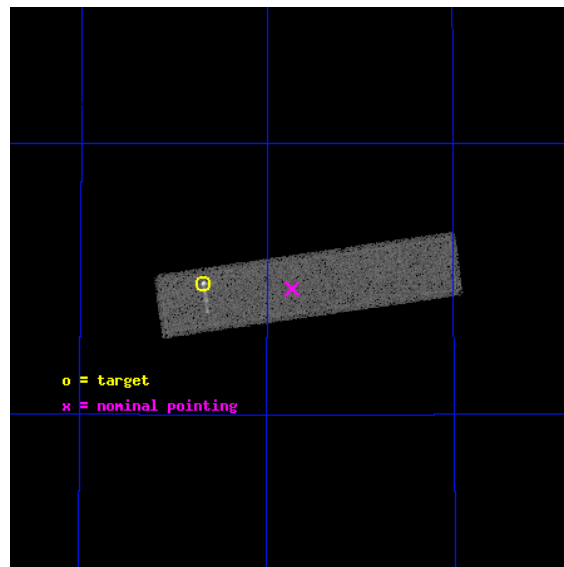
L2 Processing Date : Dec 17 2012

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# 1 Front

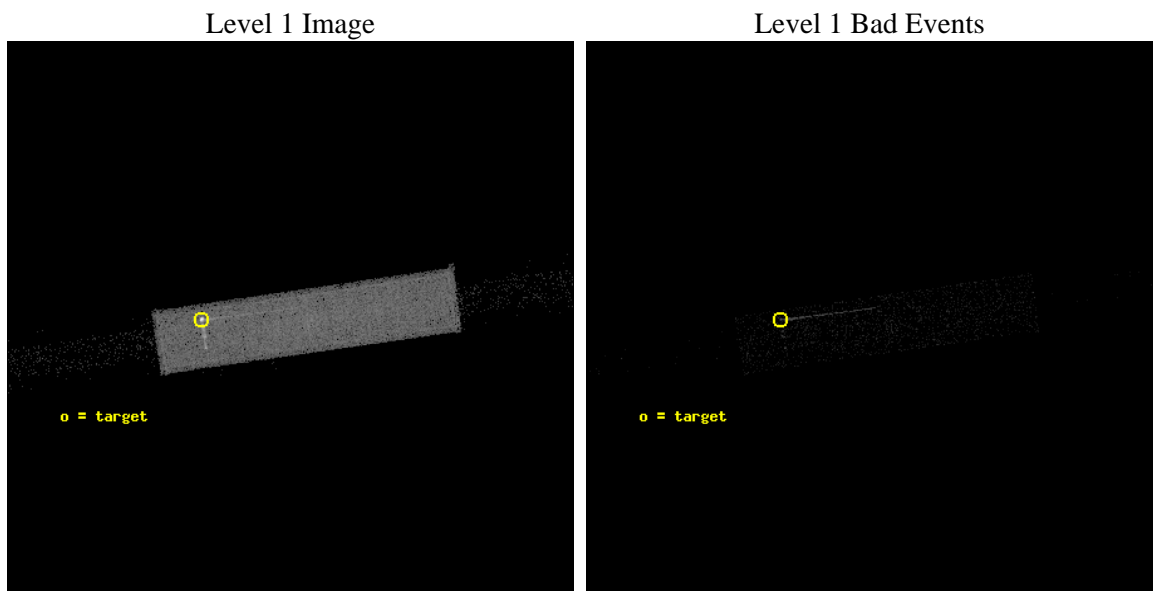
seq_num	290532	Sequence number
obs_id	6040	Observation id
title	AO6A Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	331.93295200648	Nominal RA [deg]
dec_nom	45.732764439477	Nominal Dec [deg]
roll_nom	351.76121852819	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1159.5313024521	[s]
livetime	1152.3001064933	Ontime multiplied by DTCOR
l2events	50679	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	8.5.1	Processing system revision	ontime	1159.5313024521	[s]
caldbver	4.5.5	&#160	l1events	81289	Number of level 1 events
date	2012-12-17T04:33:57	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

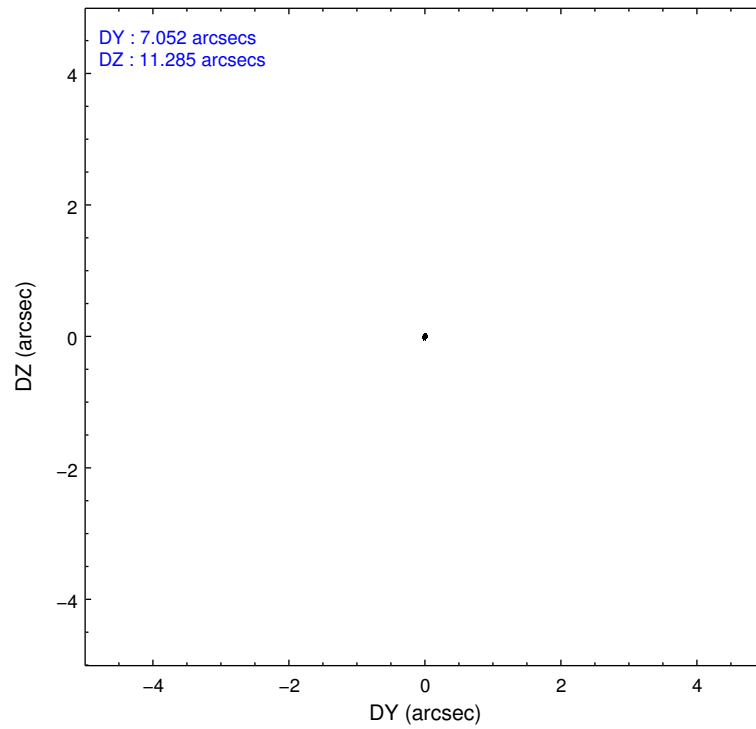
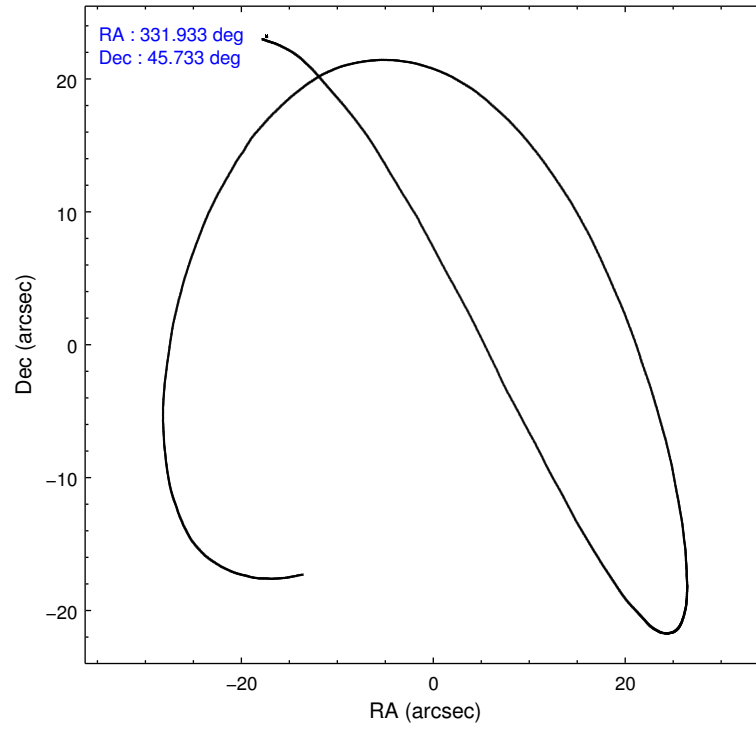
Level 1 Events

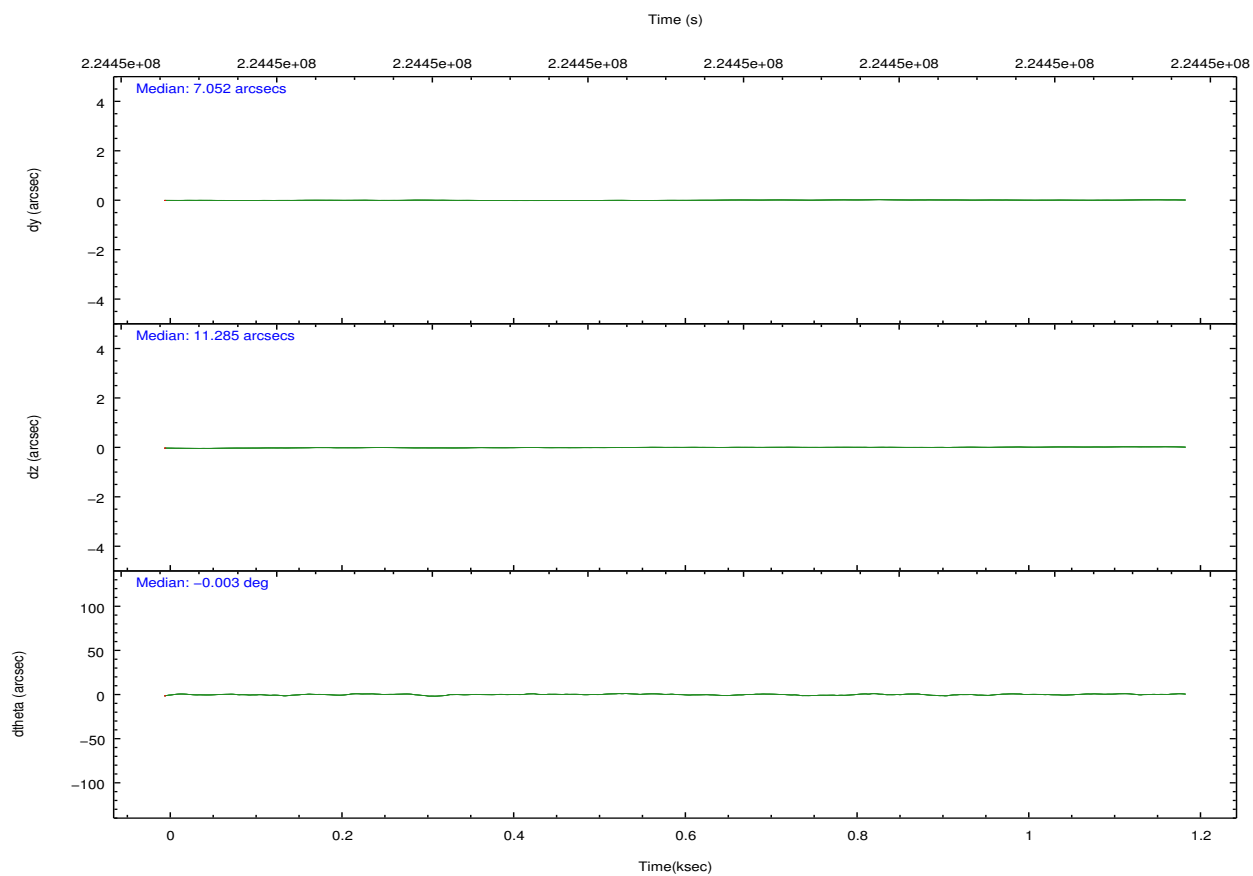
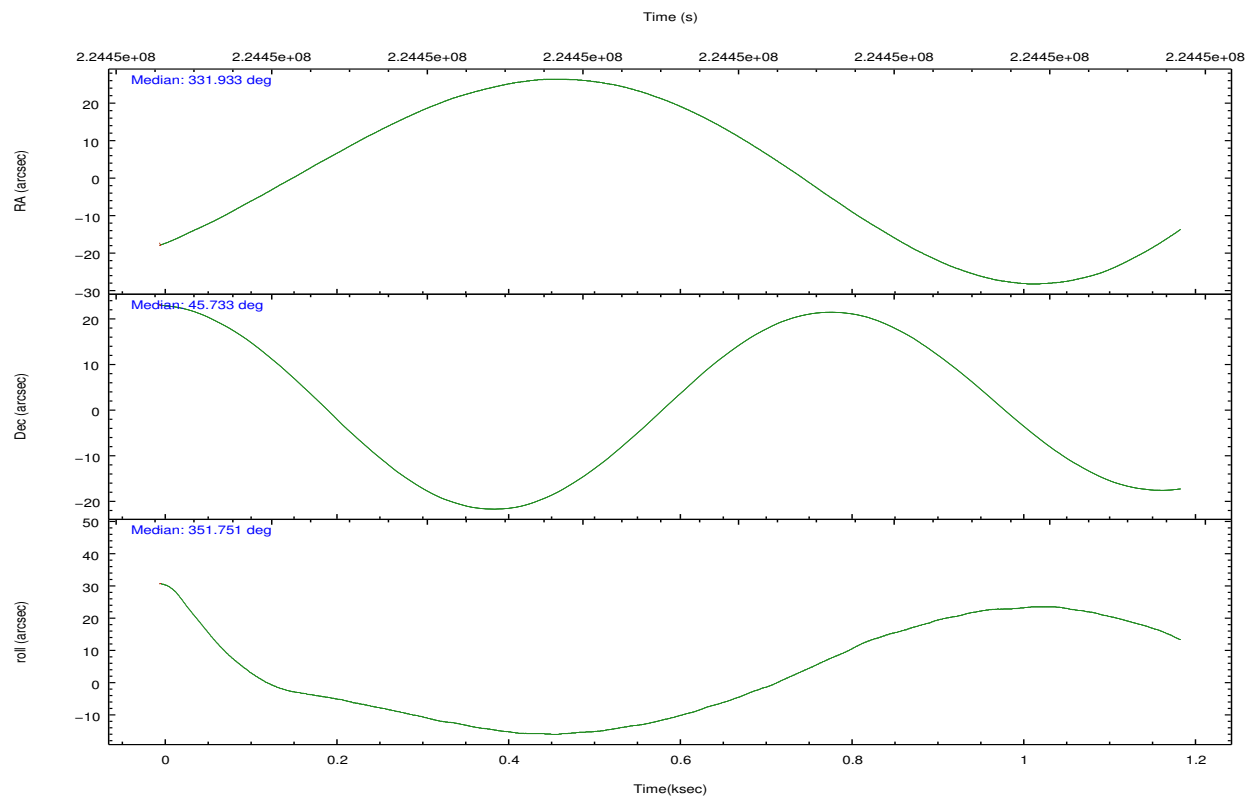
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	712	79850	727
rejected events	712	17944	727
rejected %	100%	22%	100%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-S	HRC-S	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	331.896153	331.9329520064846			
[deg] Pointing Dec	45.720924	45.73276443947697			
[deg] Pointing Roll	351.720080	351.7612185281868			
[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)	224450903.184000	224450526.58367			
Observation start date	2005-02-10T19:27:19	2005-02-10T19:22:06			
[s] Observation end time (MET)	224451903.184000	224452036.40874			
Observation end date	2005-02-10T19:43:59	2005-02-10T19:47:16			

## 2.3 Aspect





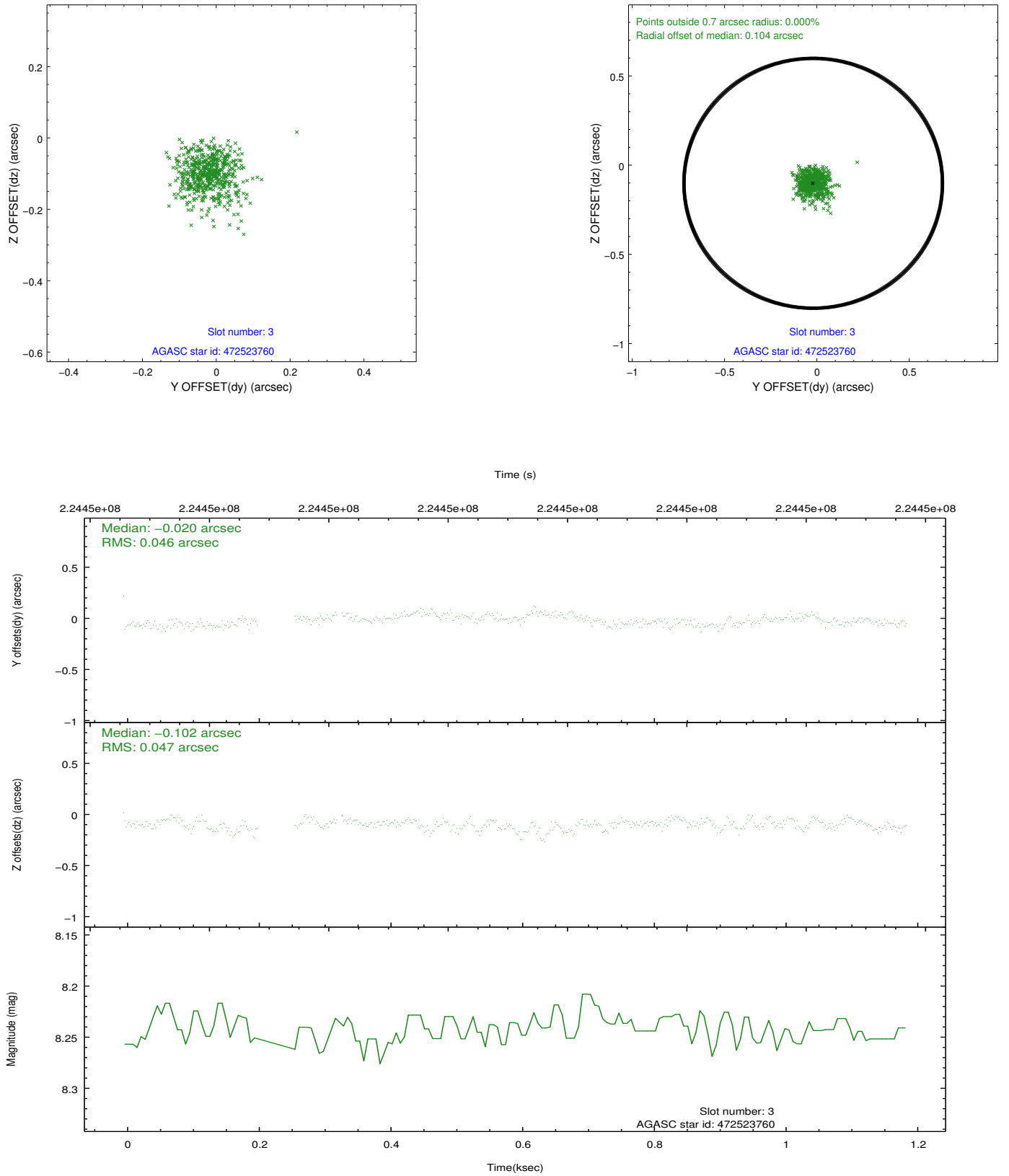
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.02	291	0.112	-0.147	0.006	0.011	0.000000	0.000000	-1161.21	-459.98
1	FID	HRC-S-2	7.01	291	0.186	-0.116	0.004	0.009	0.000000	0.000000	1234.55	-454.18
2	FID	HRC-S-3	7.03	291	0.093	-0.040	0.006	0.012	0.000000	0.000000	-1159.71	568.09
3	GUIDE	472523760	8.24	551	-0.020	-0.102	0.070	0.112	331.645363	45.403260	-460.95	-1221.91
4	GUIDE	472527720	6.99	581	-0.022	-0.043	0.064	0.105	331.460205	45.112509	-780.32	-2325.61
5	GUIDE	472533912	9.17	581	0.110	0.044	0.094	0.156	331.791136	46.368695	-594.41	2266.89
6	GUIDE	472535576	7.86	581	-0.047	0.021	0.058	0.092	331.438373	46.291802	-1423.52	1877.36
7	GUIDE	472665256	9.02	580	-0.028	0.087	0.084	0.133	332.808125	46.195041	1999.66	2033.47

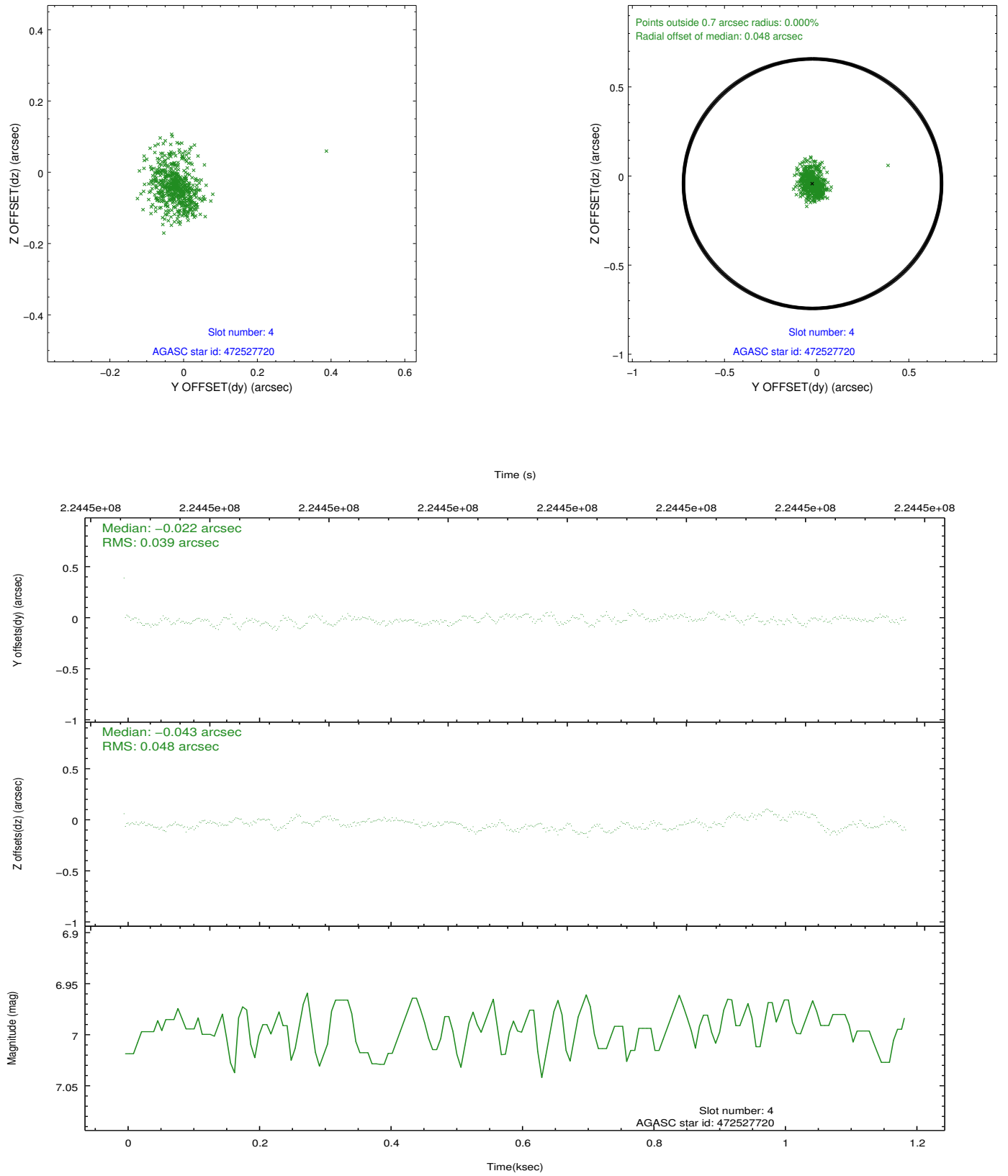


## 2.4 Star Slots

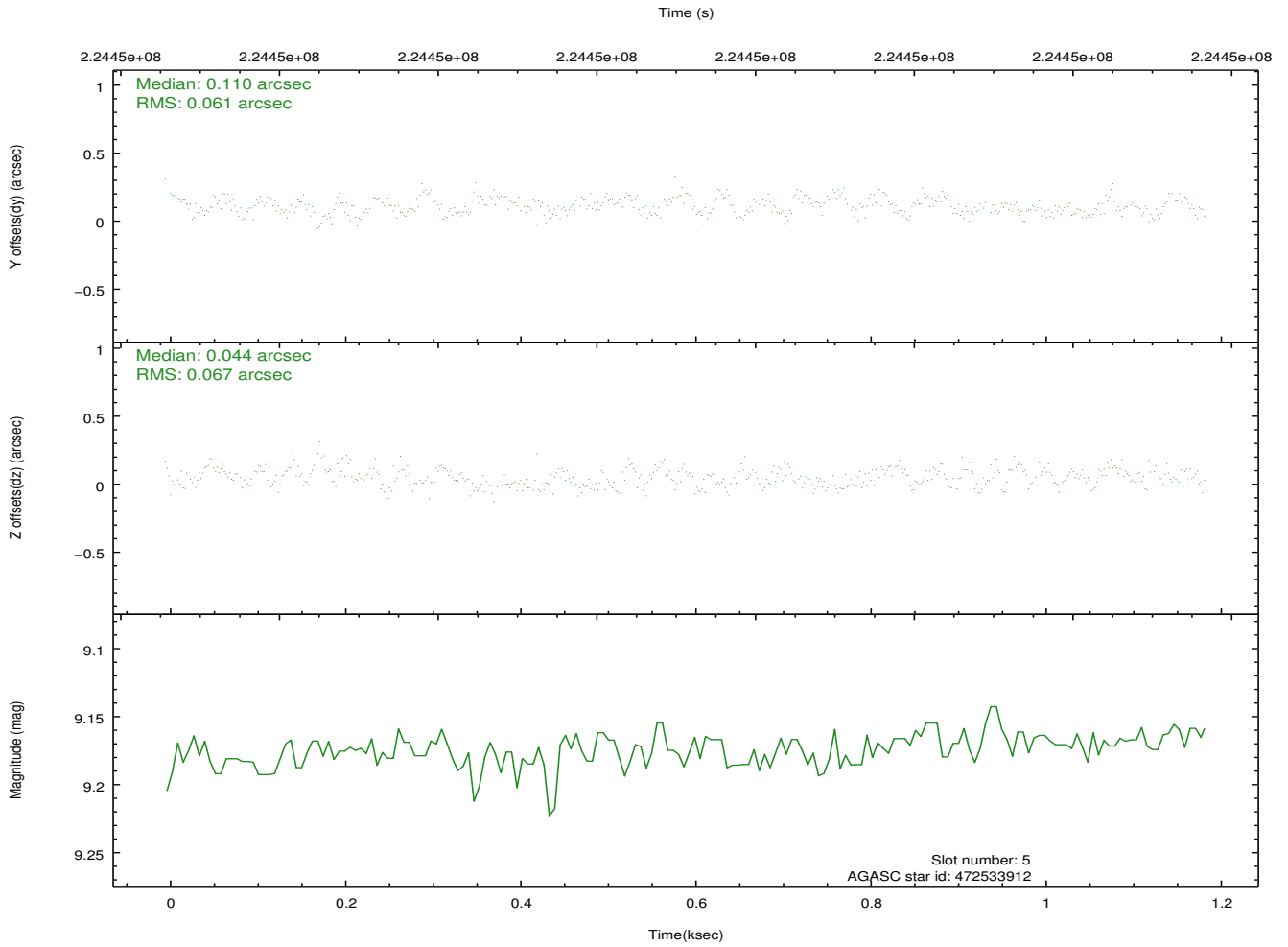
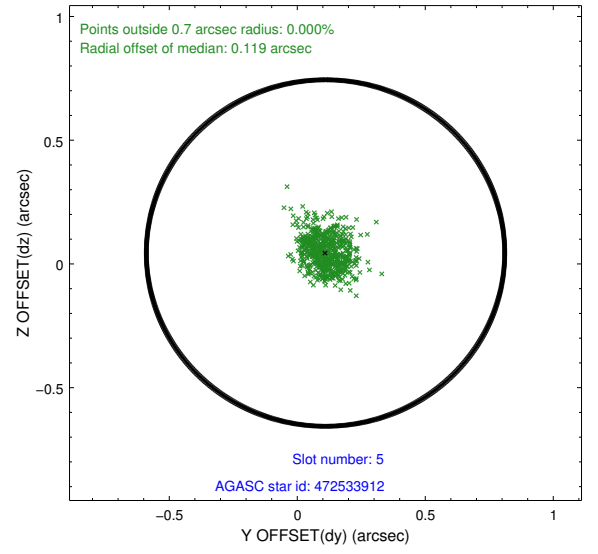
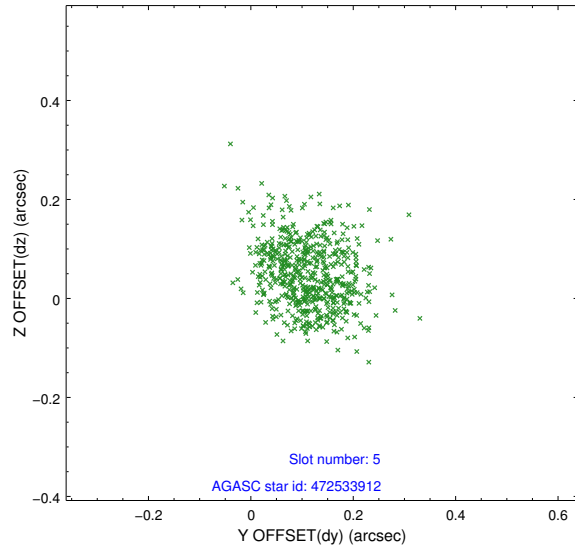
### 2.4.1 Slot 3



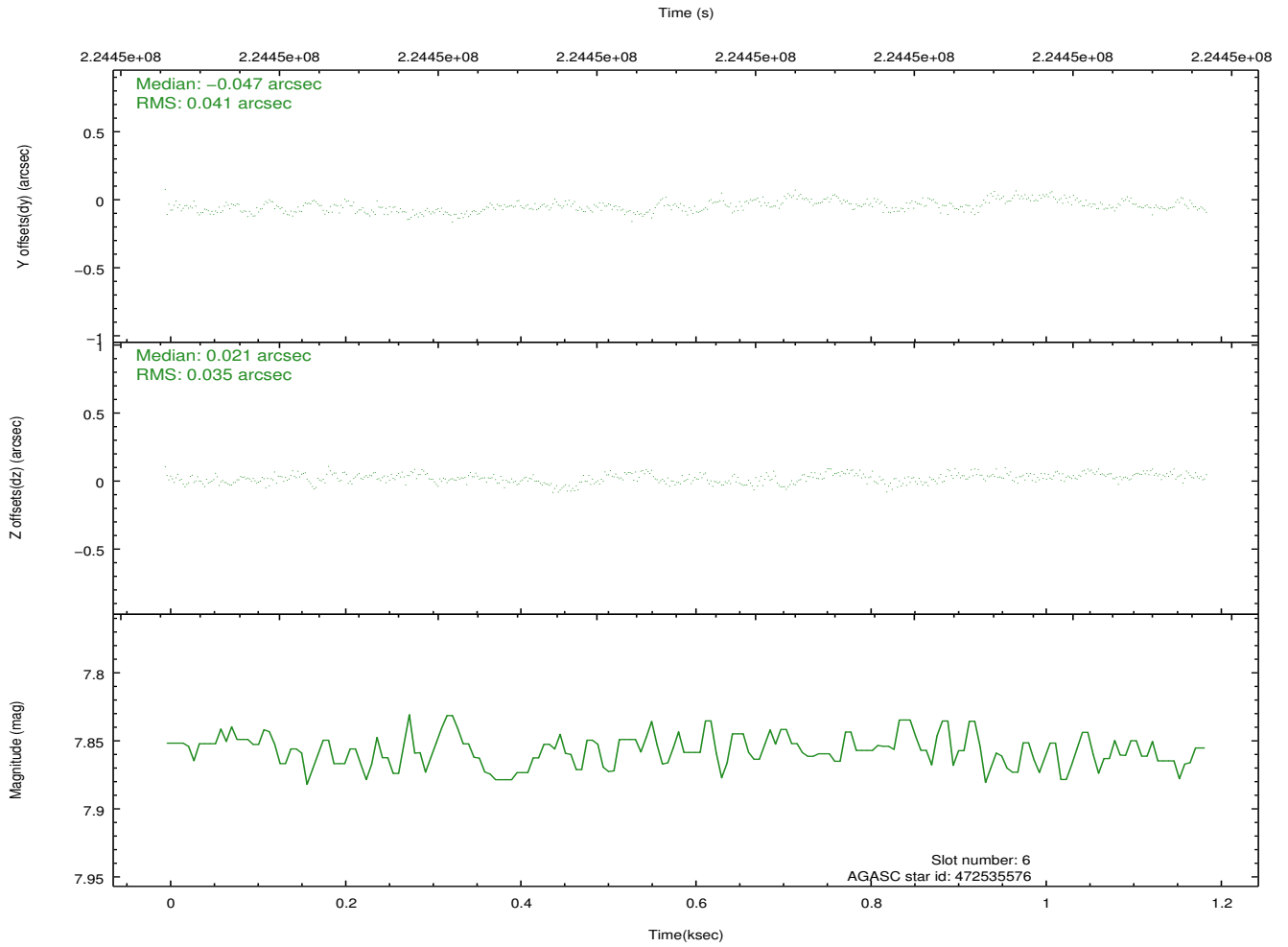
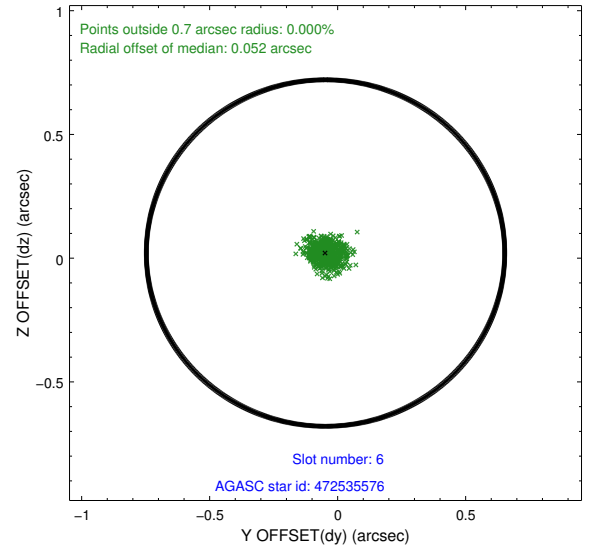
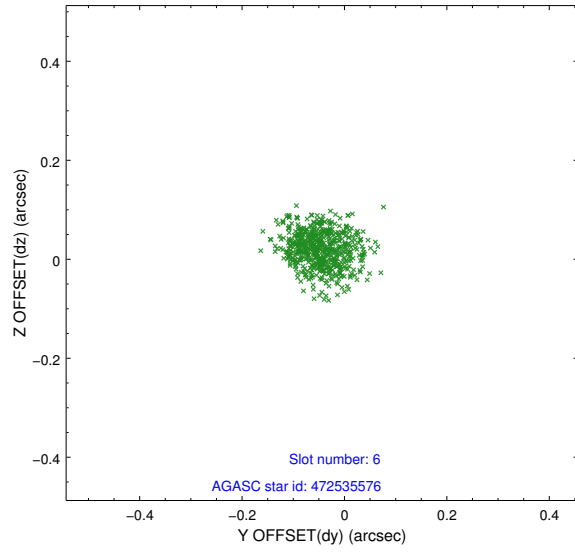
## 2.4.2 Slot 4



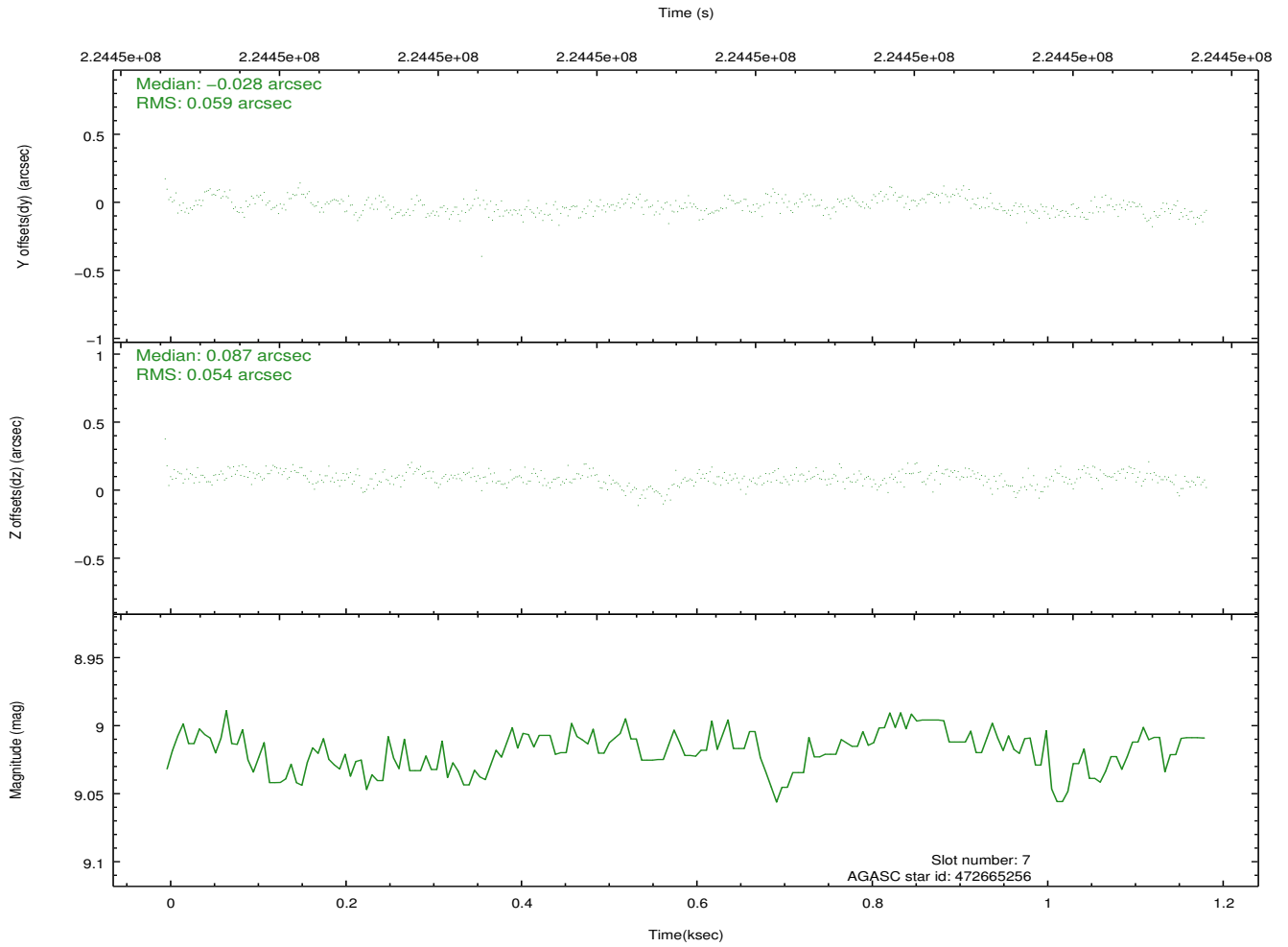
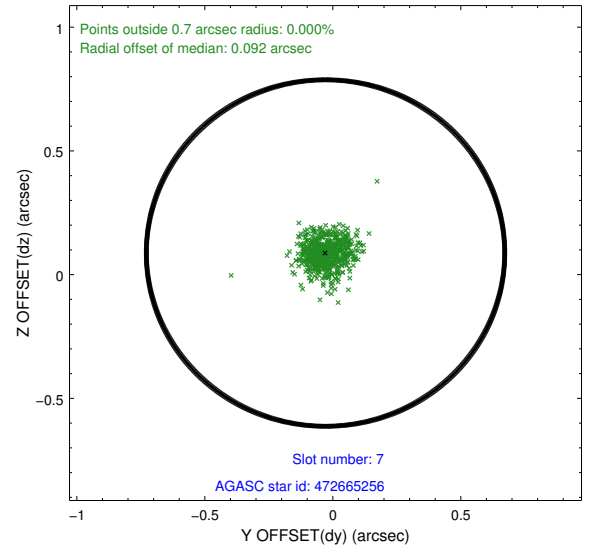
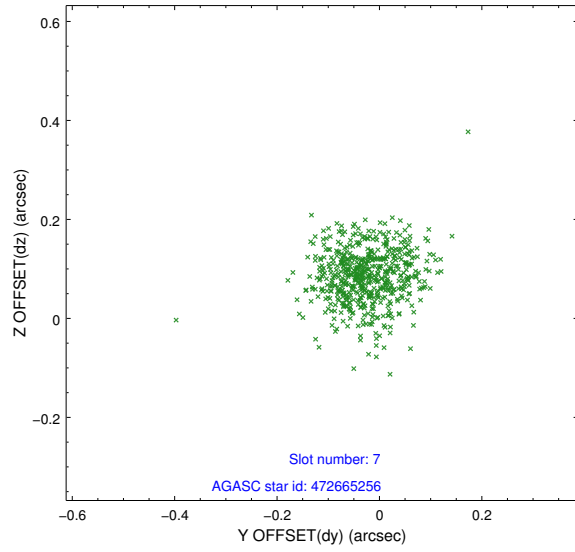
### 2.4.3 Slot 5



## 2.4.4 Slot 6

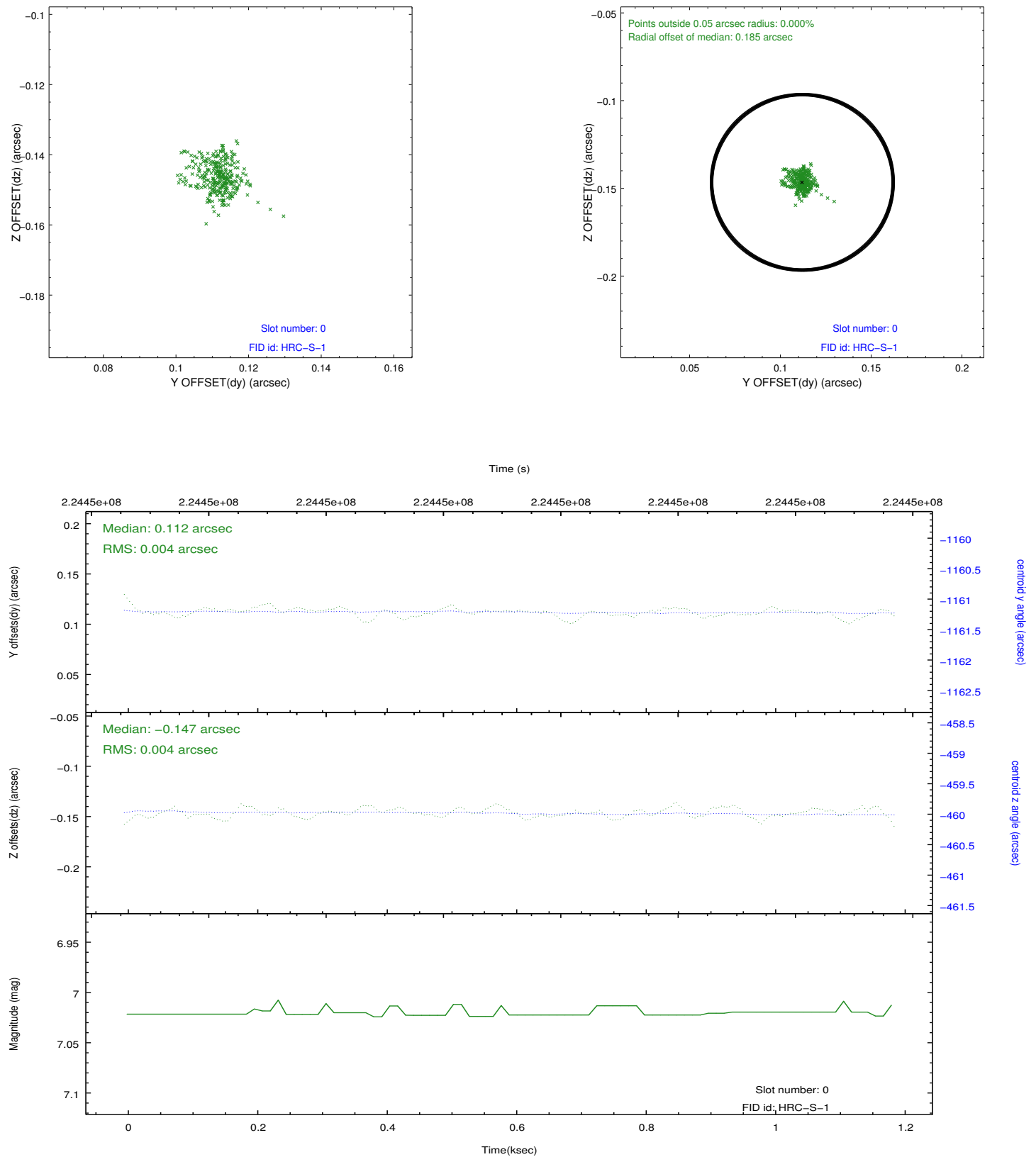


## 2.4.5 Slot 7

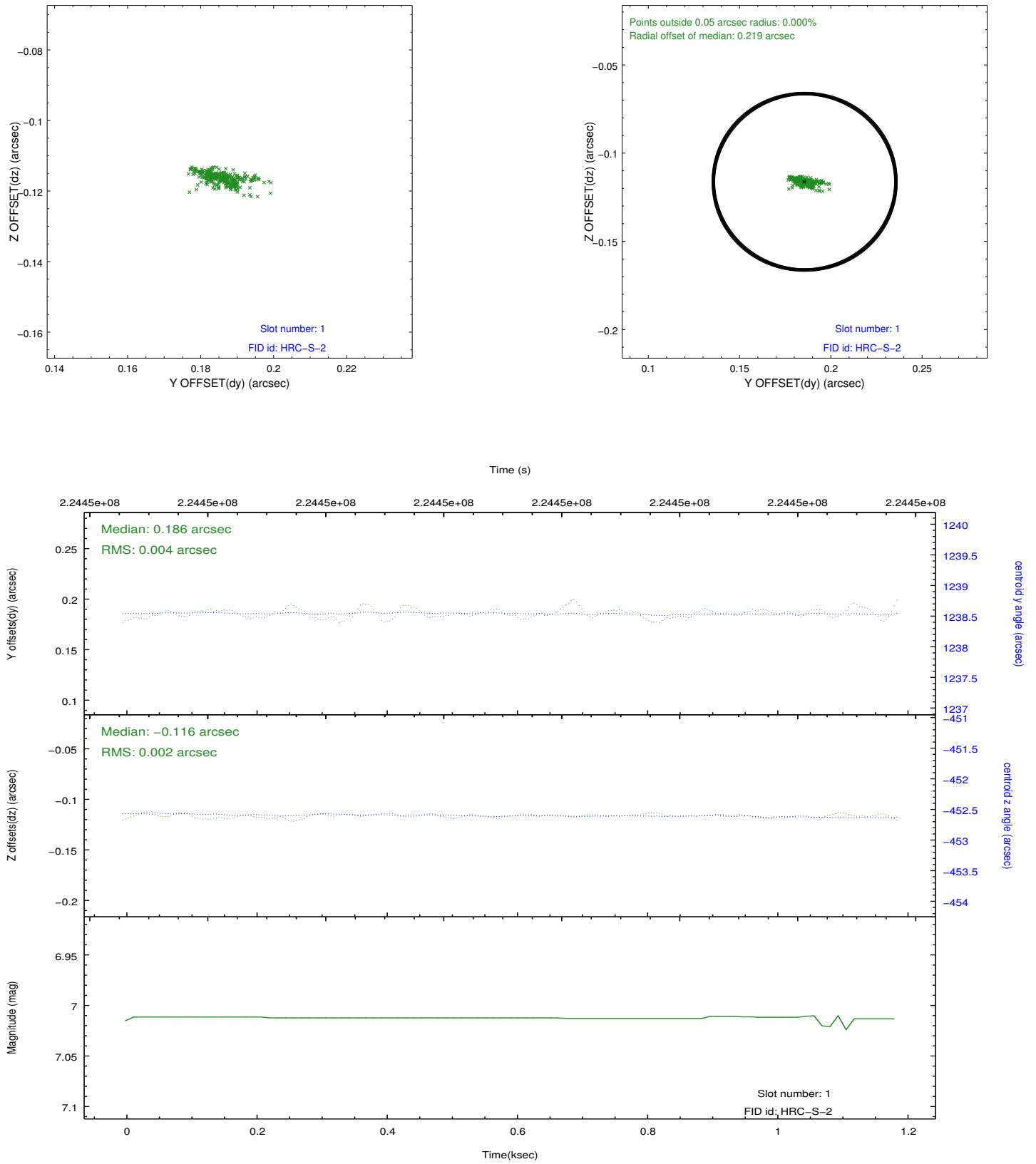


## 2.5 FID Slots

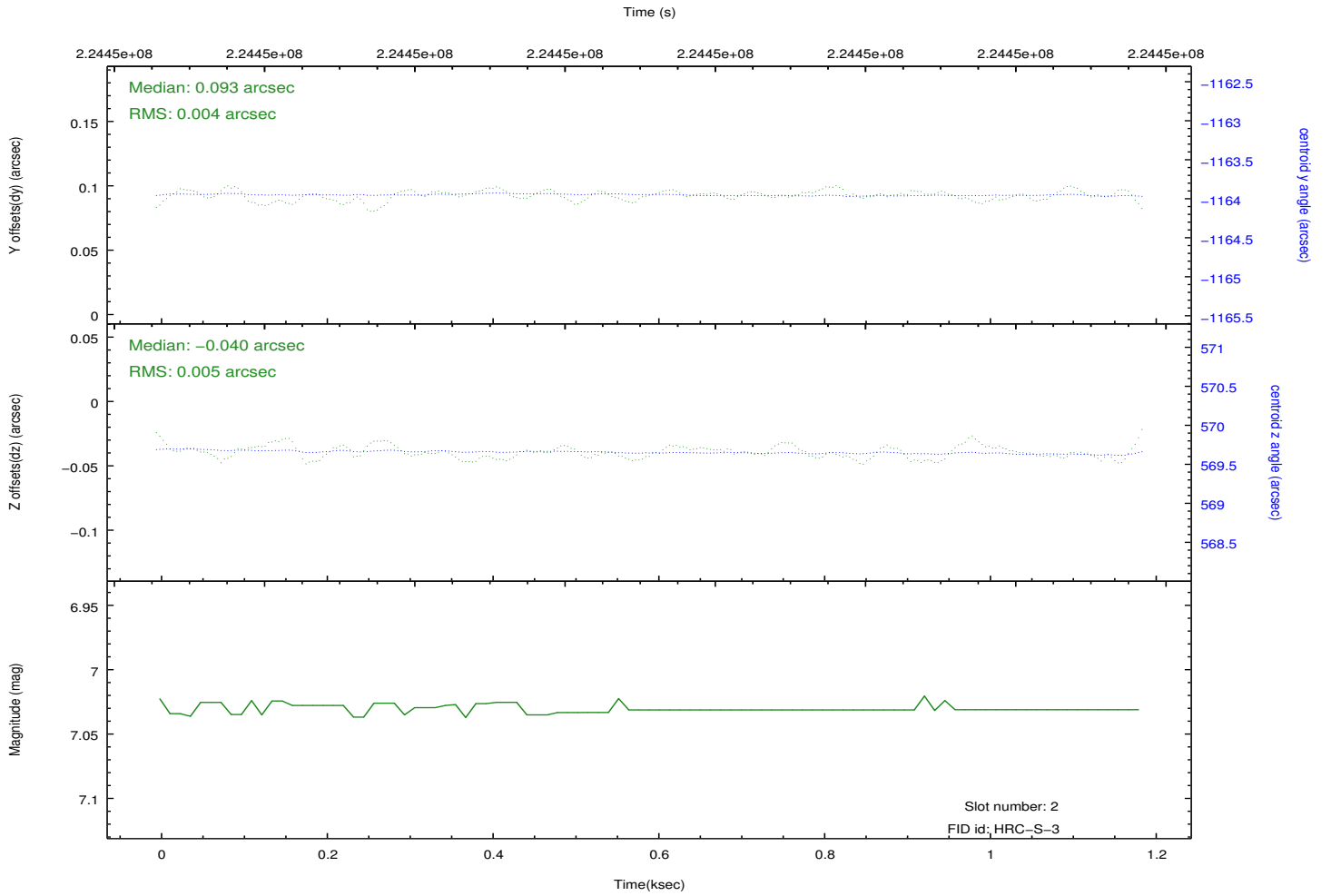
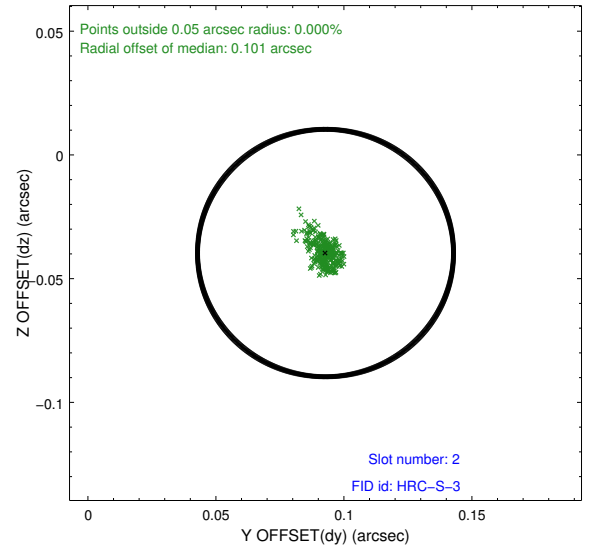
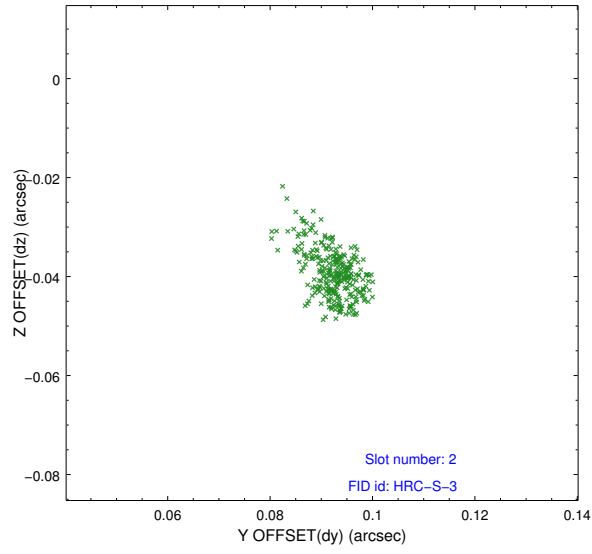
### 2.5.1 Slot 0



## 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)	2013.01.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.159531

### A.2 Comments