

# V&V Reference Report

## L2 ASCDS Version : 8.5.1

Observation 6023 - L2 Version 3  
Chandra X-Ray Center

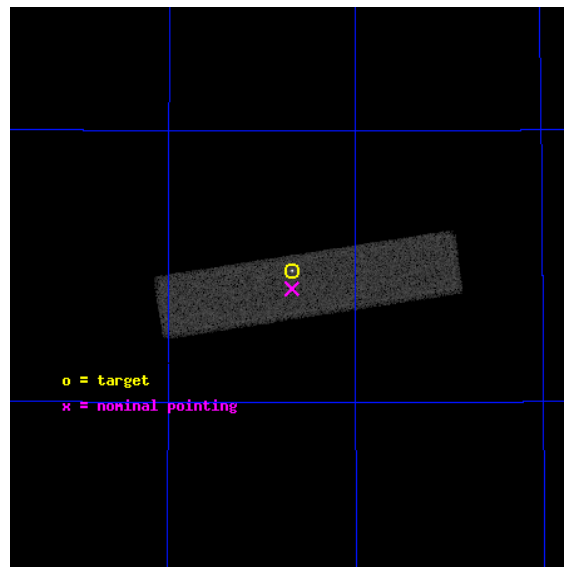
L2 Processing Date : Dec 18 2012

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# 1 Front

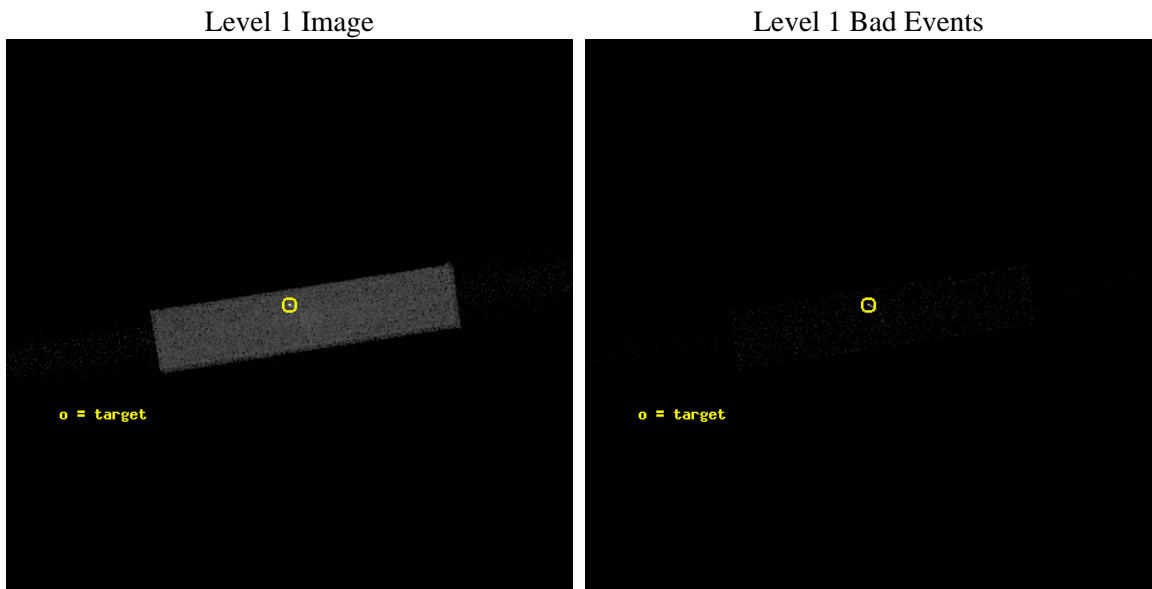
seq_num	290515	Sequence number
obs_id	6023	Observation id
title	AO6A Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.17002008974	Nominal RA [deg]
dec_nom	45.709340194349	Nominal Dec [deg]
roll_nom	351.16848332938	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1151.3313021064	[s]
livetime	1144.2961853276	Ontime multiplied by DTCOR
l2events	49786	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	1151.3313021064	[s]
caldsver	4.5.5	&#160	l1events	79826	Number of level 1 events
date	2012-12-17T04:20:29	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

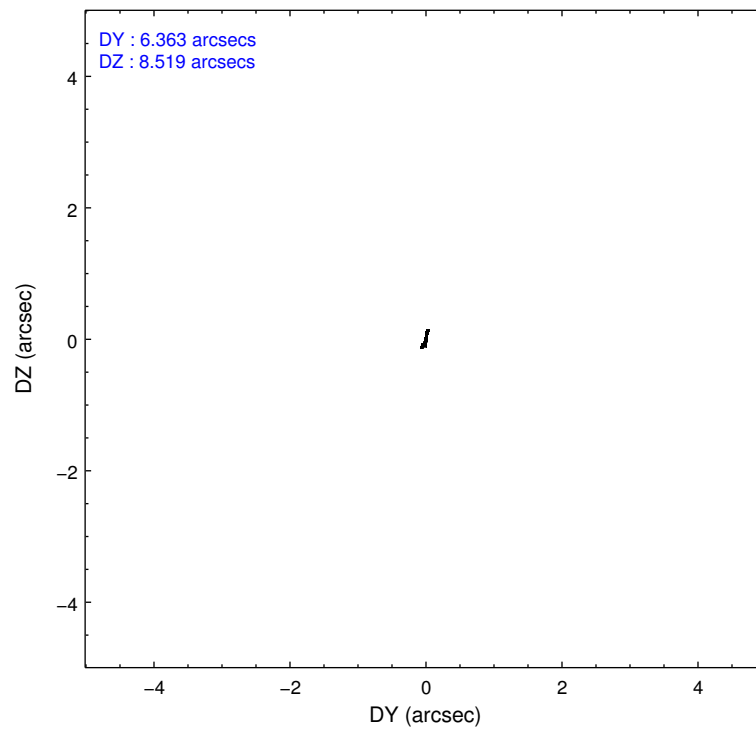
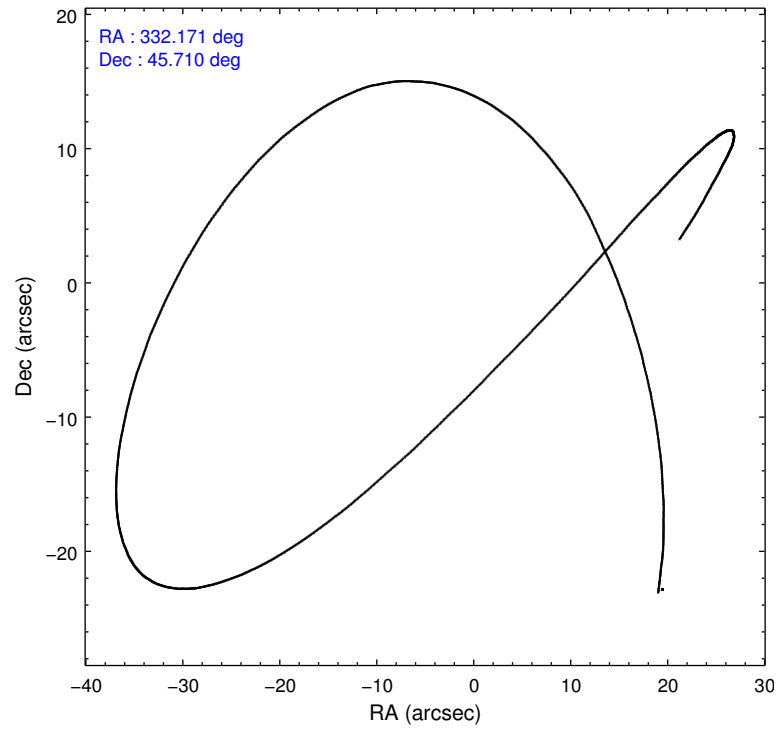
Level 1 Events

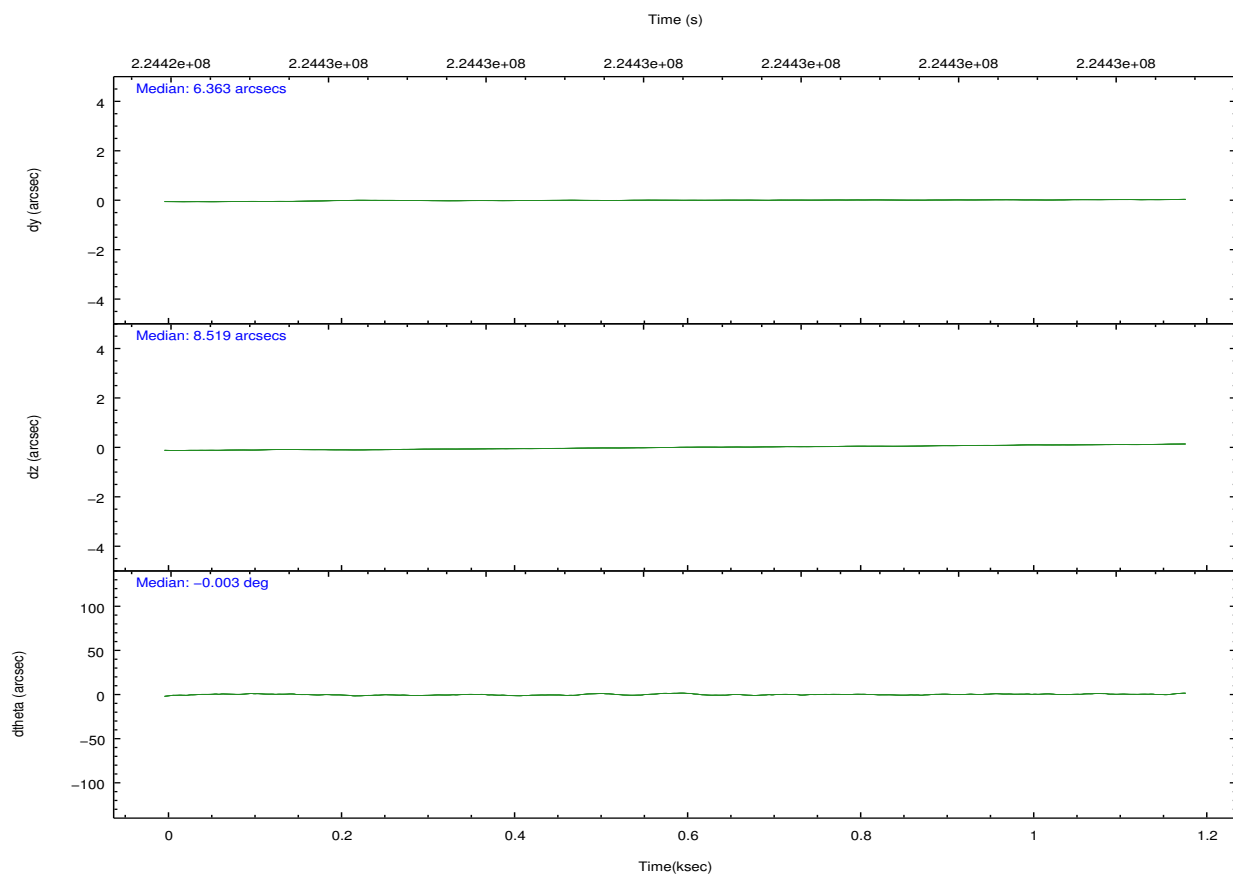
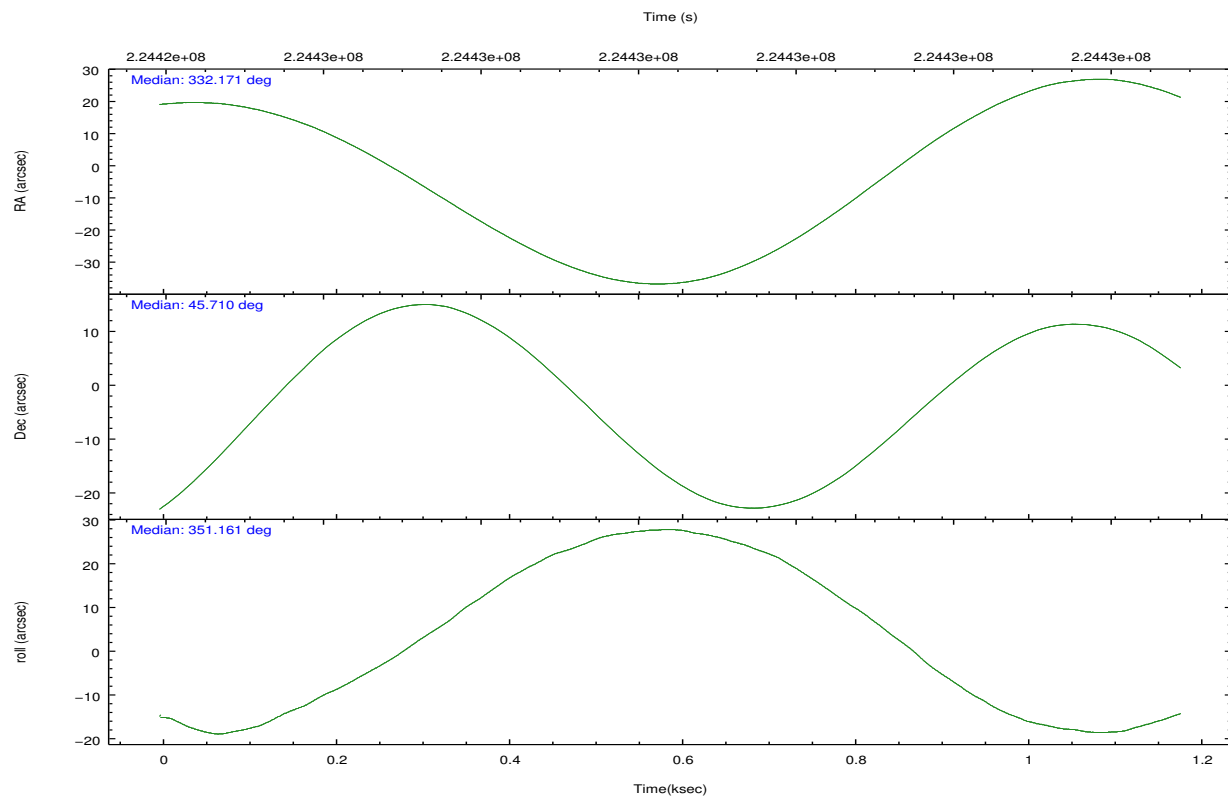
	segment 1	segment 2	segment 3
level 1 events	766	78372	688
rejected events	766	17828	688
rejected %	100%	22%	100%

## 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	332.131810	332.1700200897361			
[deg] Pointing Dec	45.696886	45.70934019434924			
[deg] Pointing Roll	351.128511	351.1684833293773			
[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)	224425233.184000	224424856.48251			
Observation start date	2005-02-10T12:19:29	2005-02-10T12:14:16			
[s] Observation end time (MET)	224426233.184000	224426366.82007			
Observation end date	2005-02-10T12:36:09	2005-02-10T12:39:26			

## 2.3 Aspect





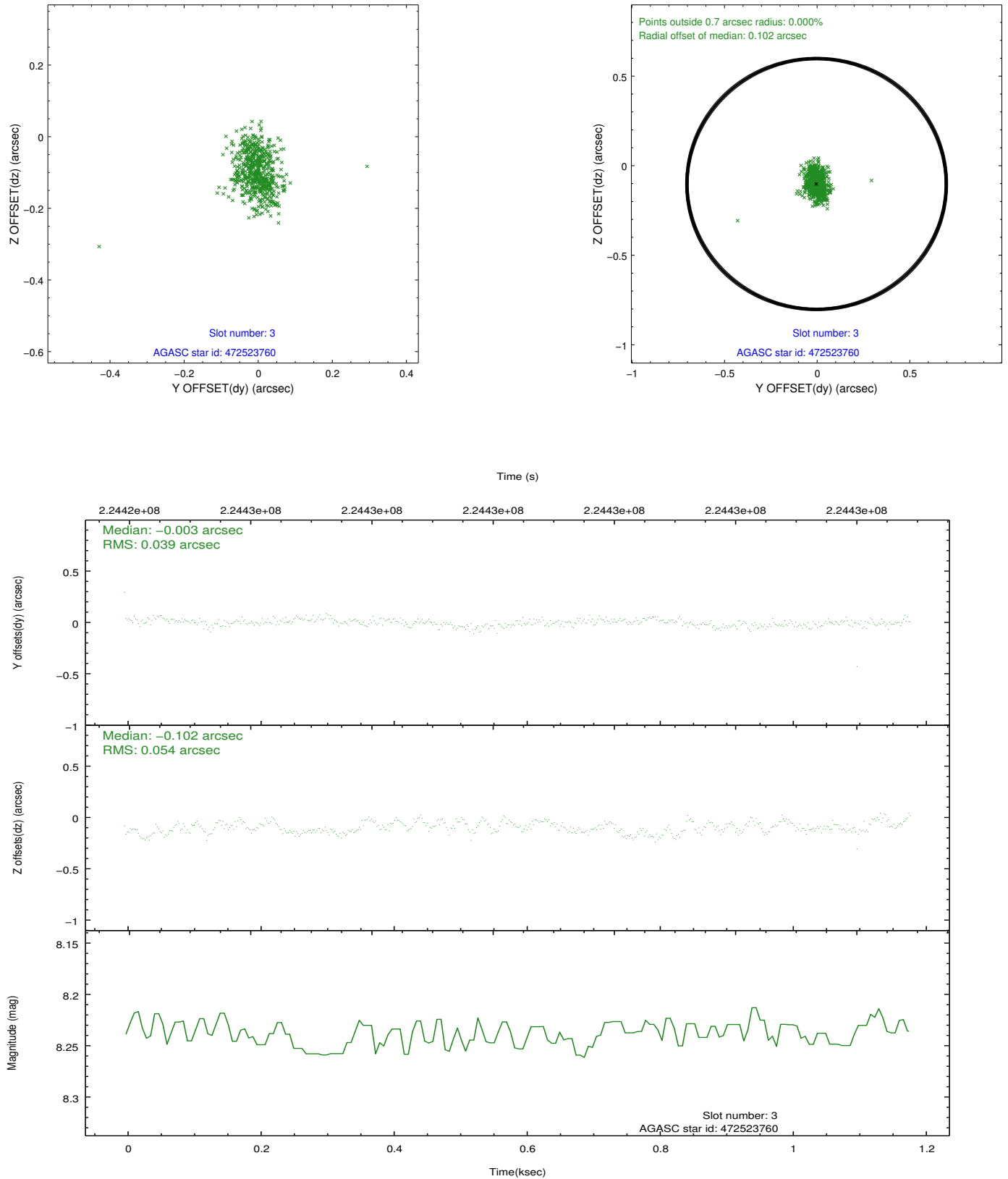
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.03	288	0.113	-0.147	0.008	0.014	0.000000	0.000000	-1160.51	-457.14
1	FID	HRC-S-2	7.04	288	0.167	-0.109	0.004	0.008	0.000000	0.000000	1235.20	-451.33
2	FID	HRC-S-3	7.05	288	0.111	-0.047	0.009	0.016	0.000000	0.000000	-1158.94	570.92
3	GUIDE	472523760	8.24	577	-0.003	-0.102	0.068	0.109	331.645363	45.403260	-1053.76	-1233.45
4	GUIDE	472527720	6.99	577	0.005	-0.046	0.065	0.096	331.460205	45.112509	-1365.57	-2339.90
5	GUIDE	472533912	9.17	577	0.069	0.075	0.122	0.197	331.791136	46.368695	-1213.47	2253.91
6	GUIDE	472535576	7.86	577	-0.015	0.037	0.063	0.100	331.438373	46.291802	-2039.63	1858.38
7	GUIDE	472665256	9.01	576	-0.056	0.027	0.092	0.146	332.808125	46.195041	1382.27	2039.50

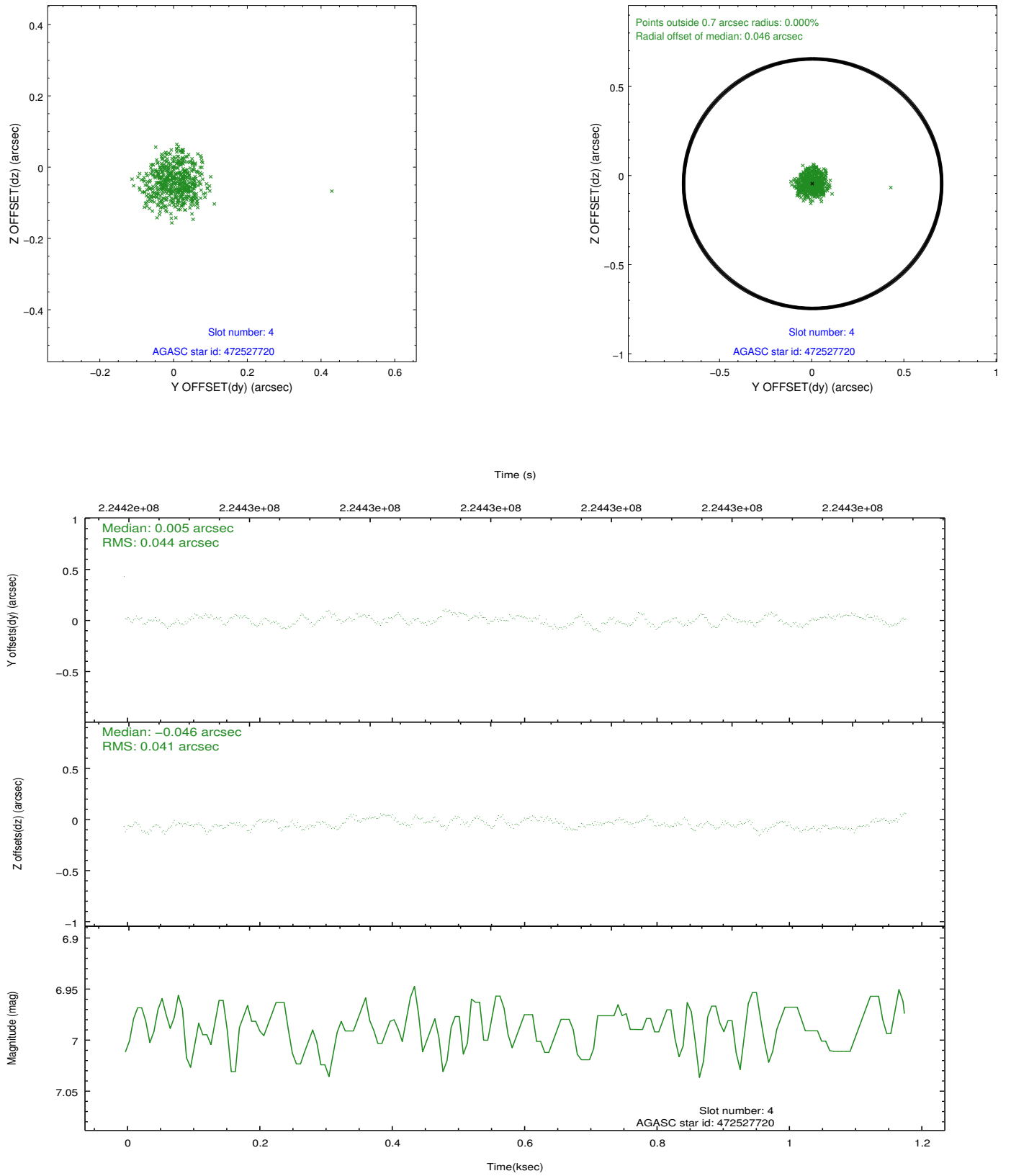


## 2.4 Star Slots

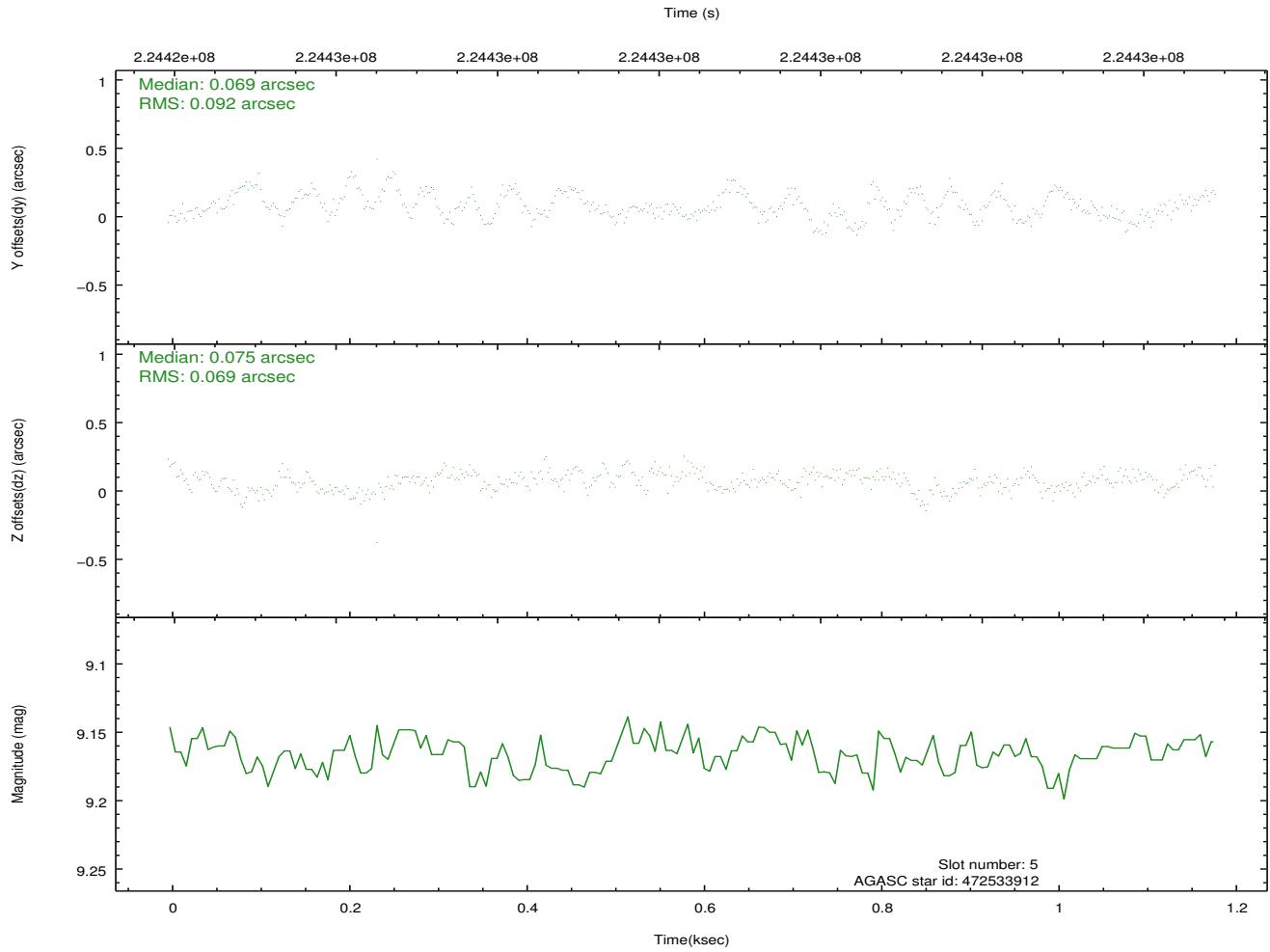
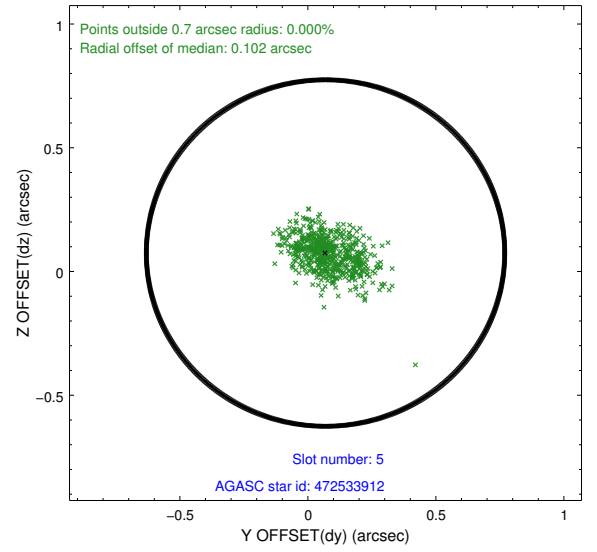
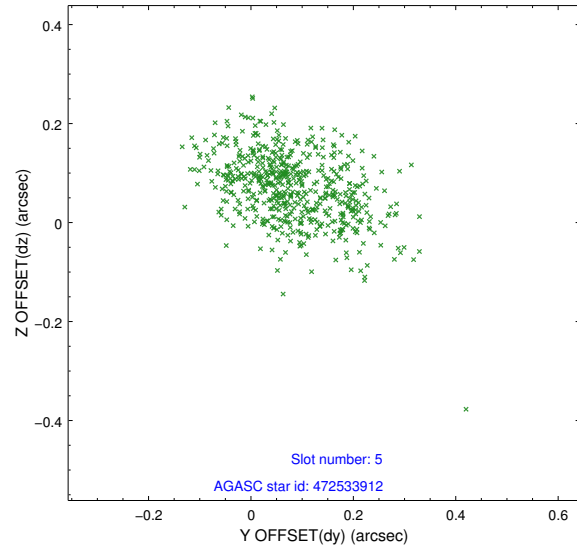
### 2.4.1 Slot 3



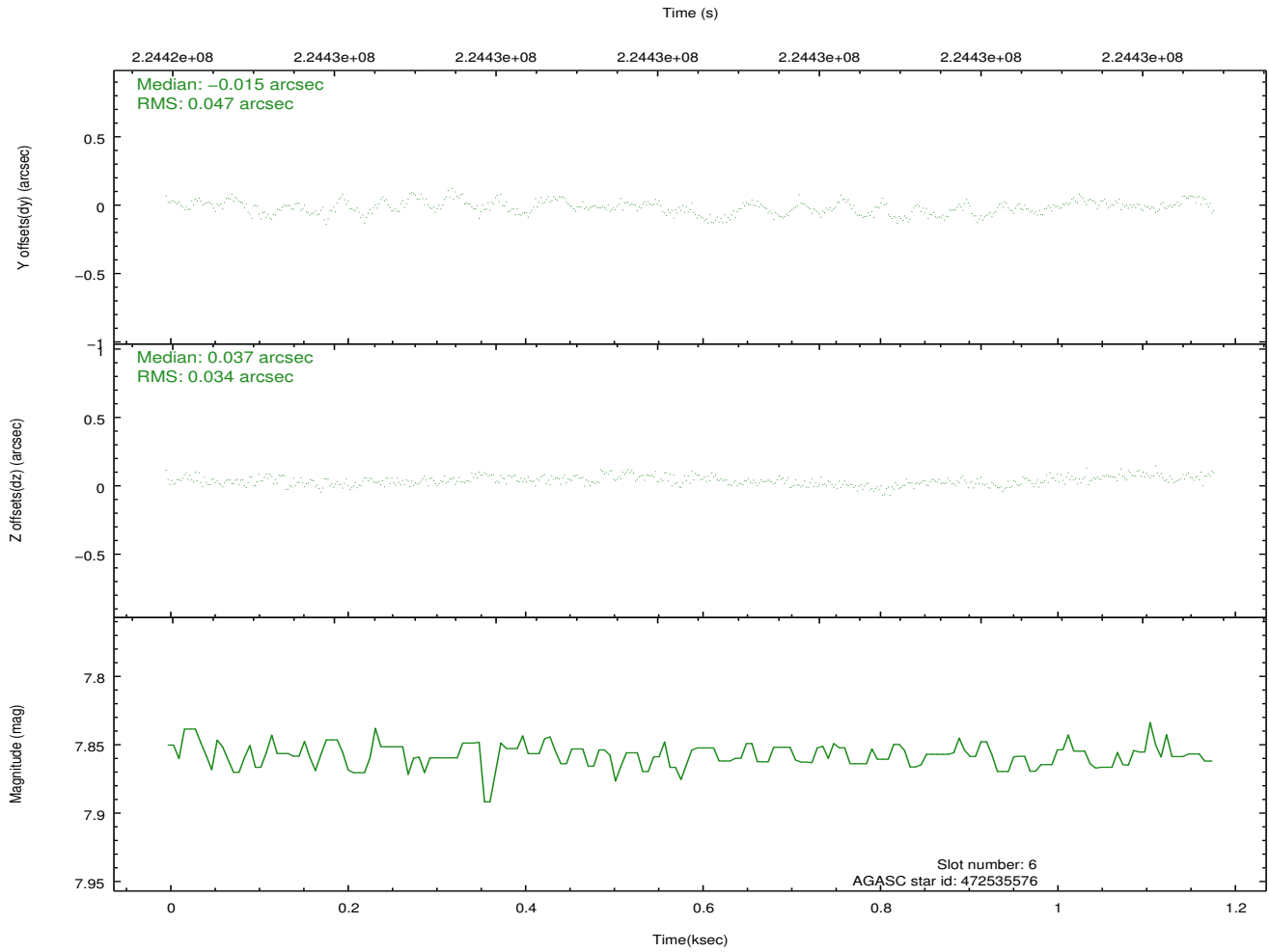
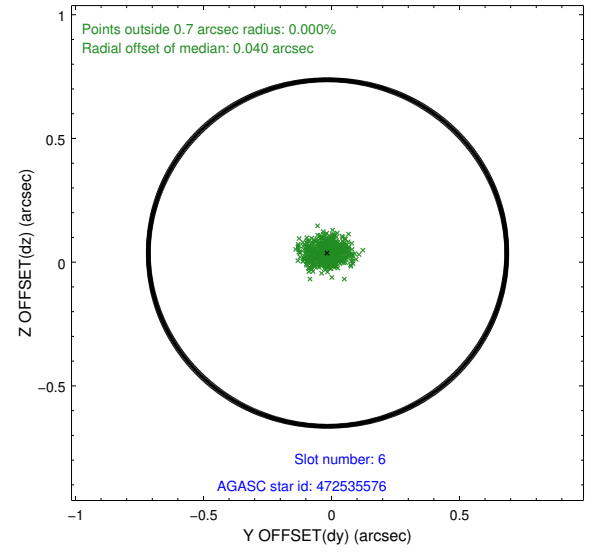
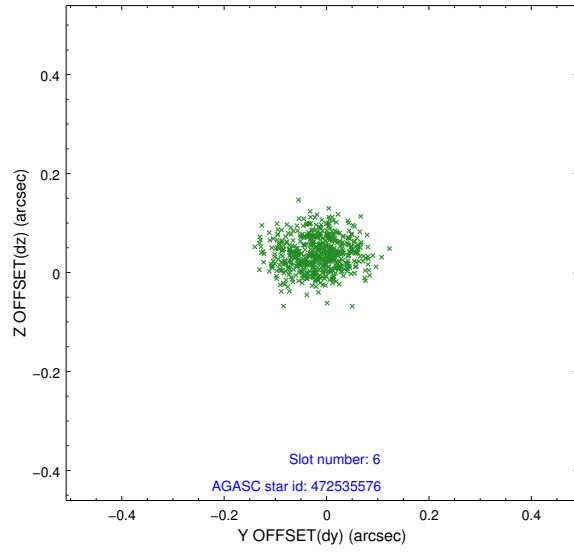
## 2.4.2 Slot 4



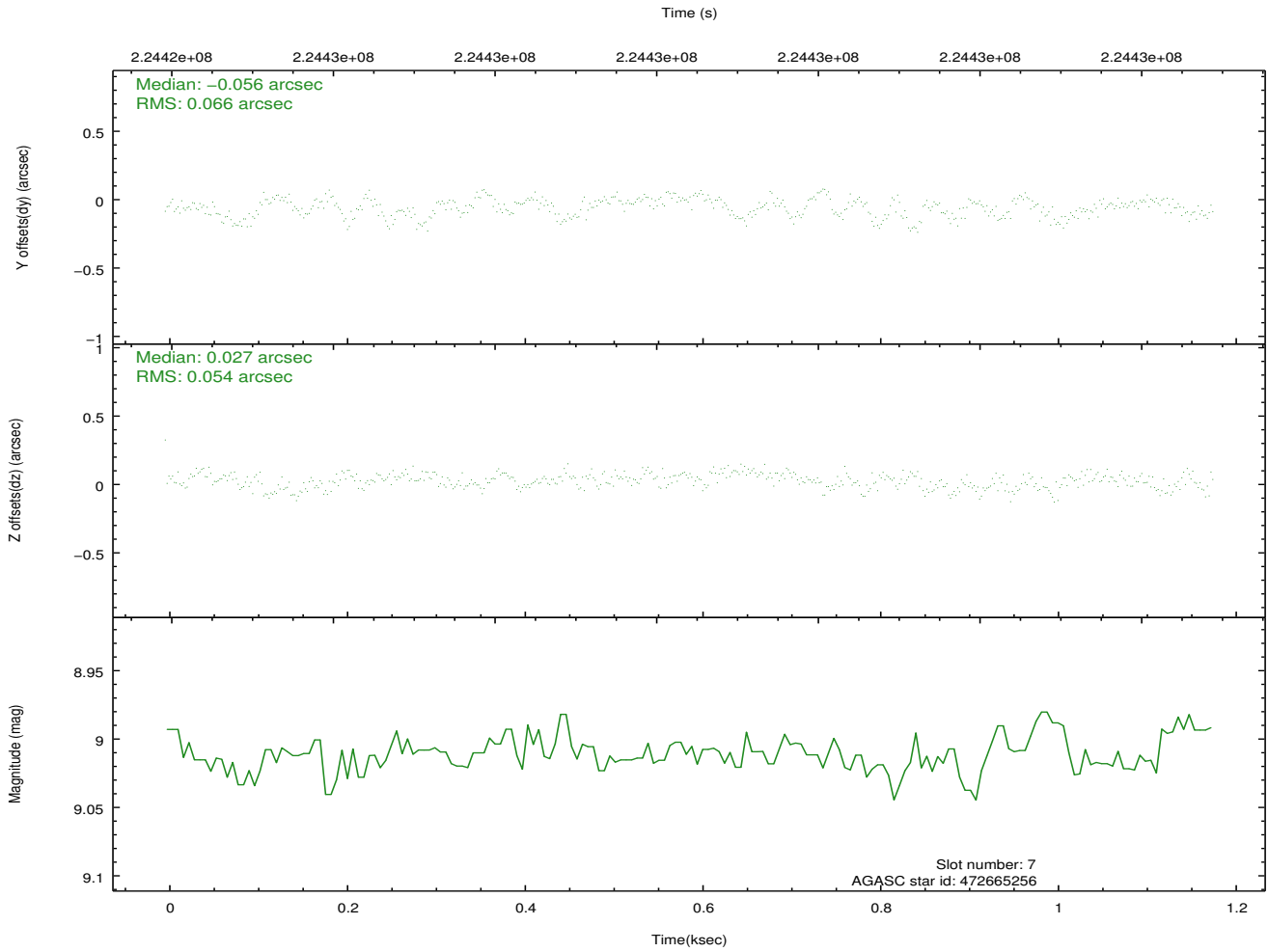
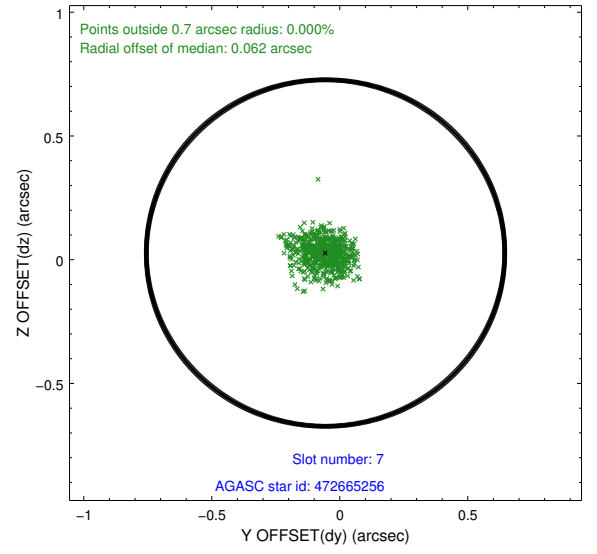
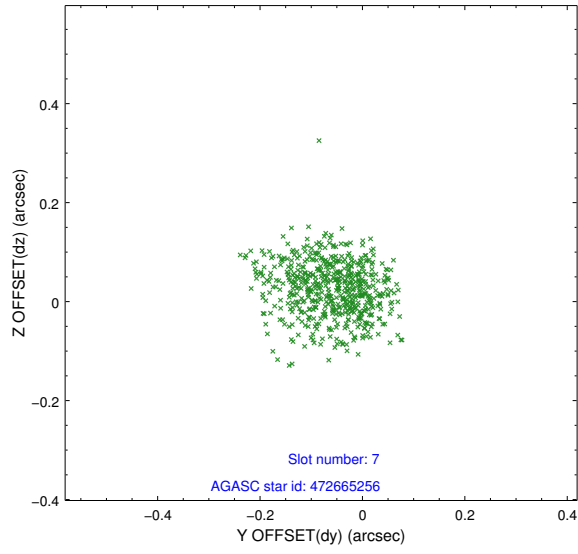
### 2.4.3 Slot 5



## 2.4.4 Slot 6

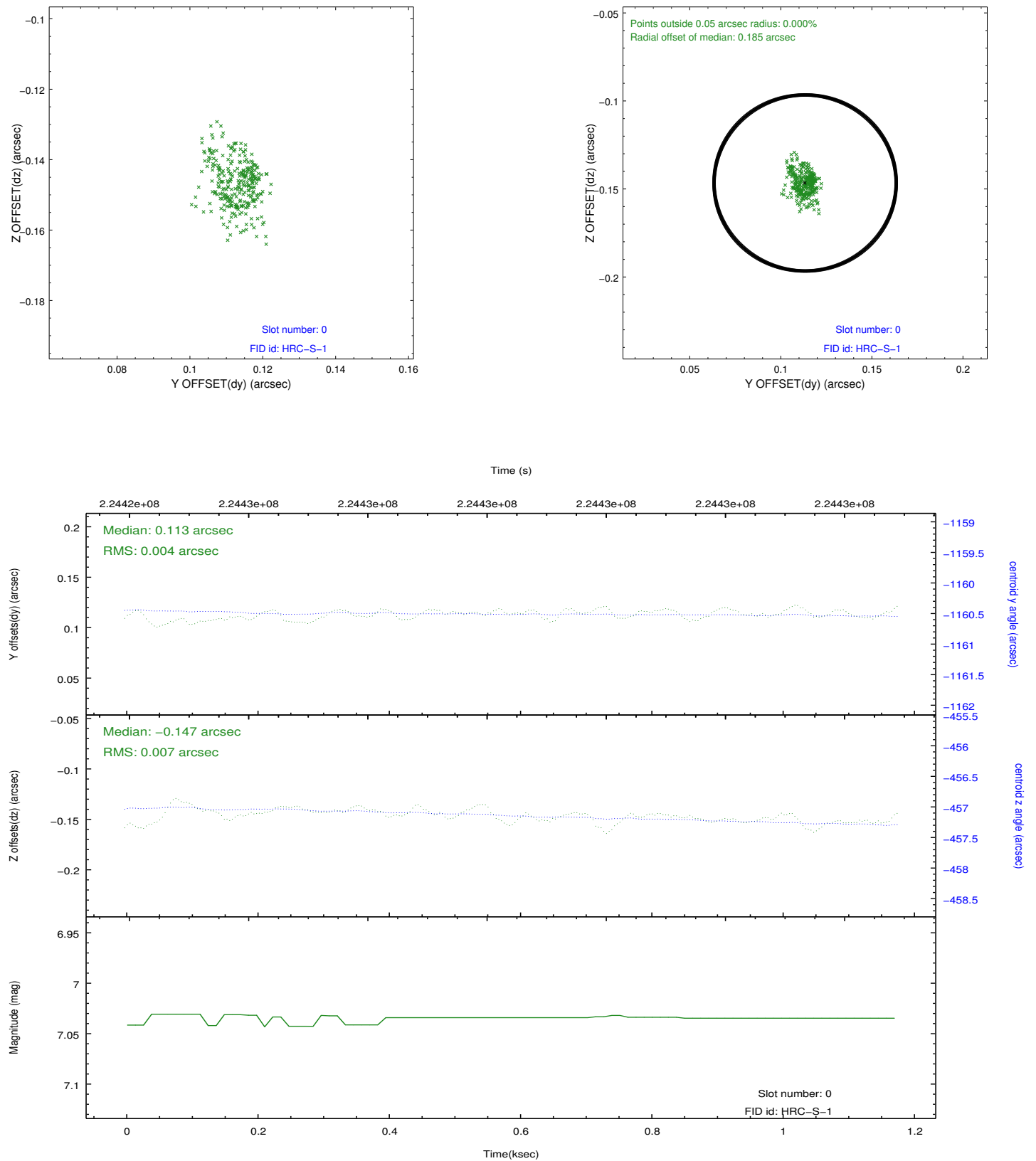


## 2.4.5 Slot 7

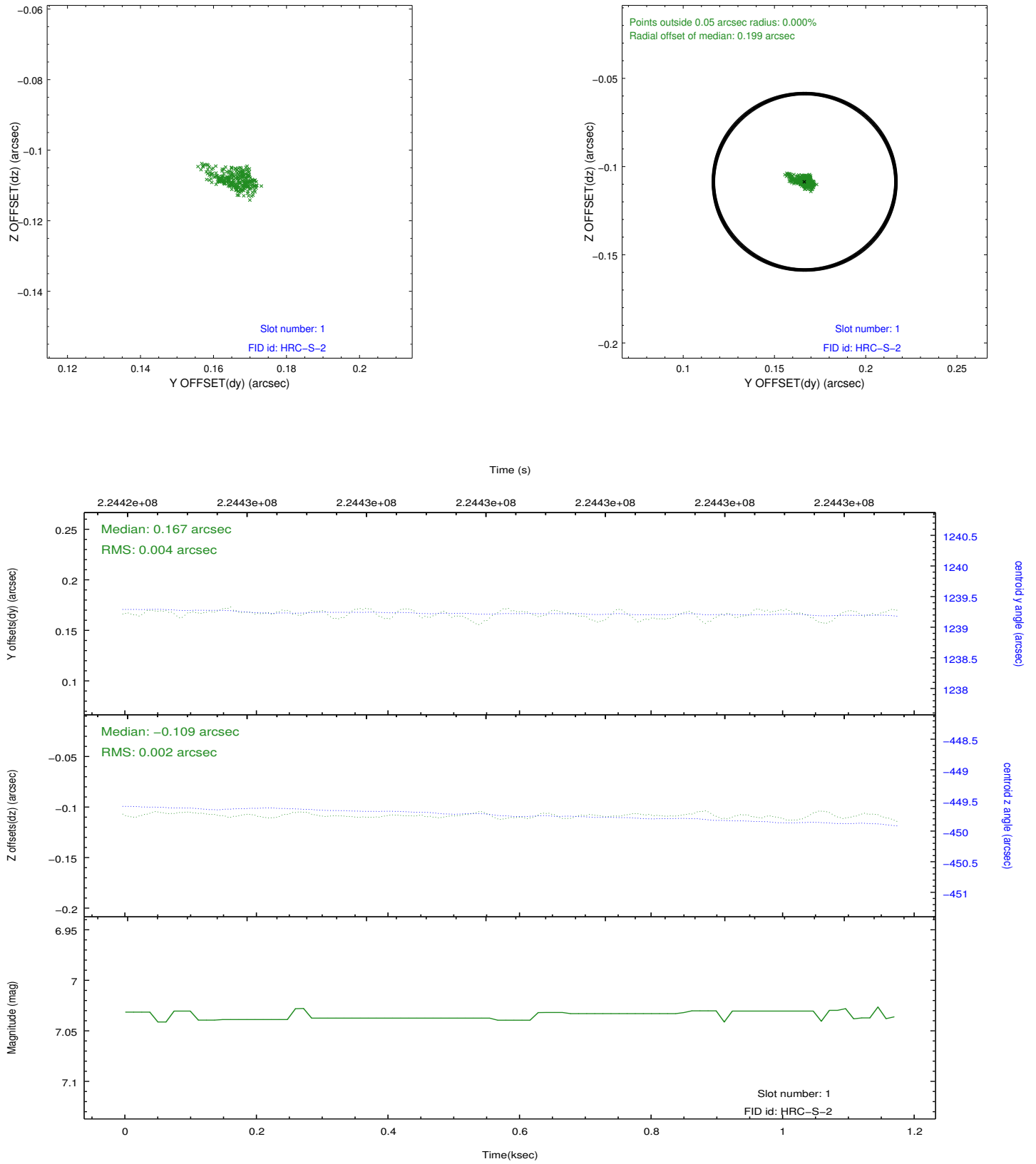


## 2.5 FID Slots

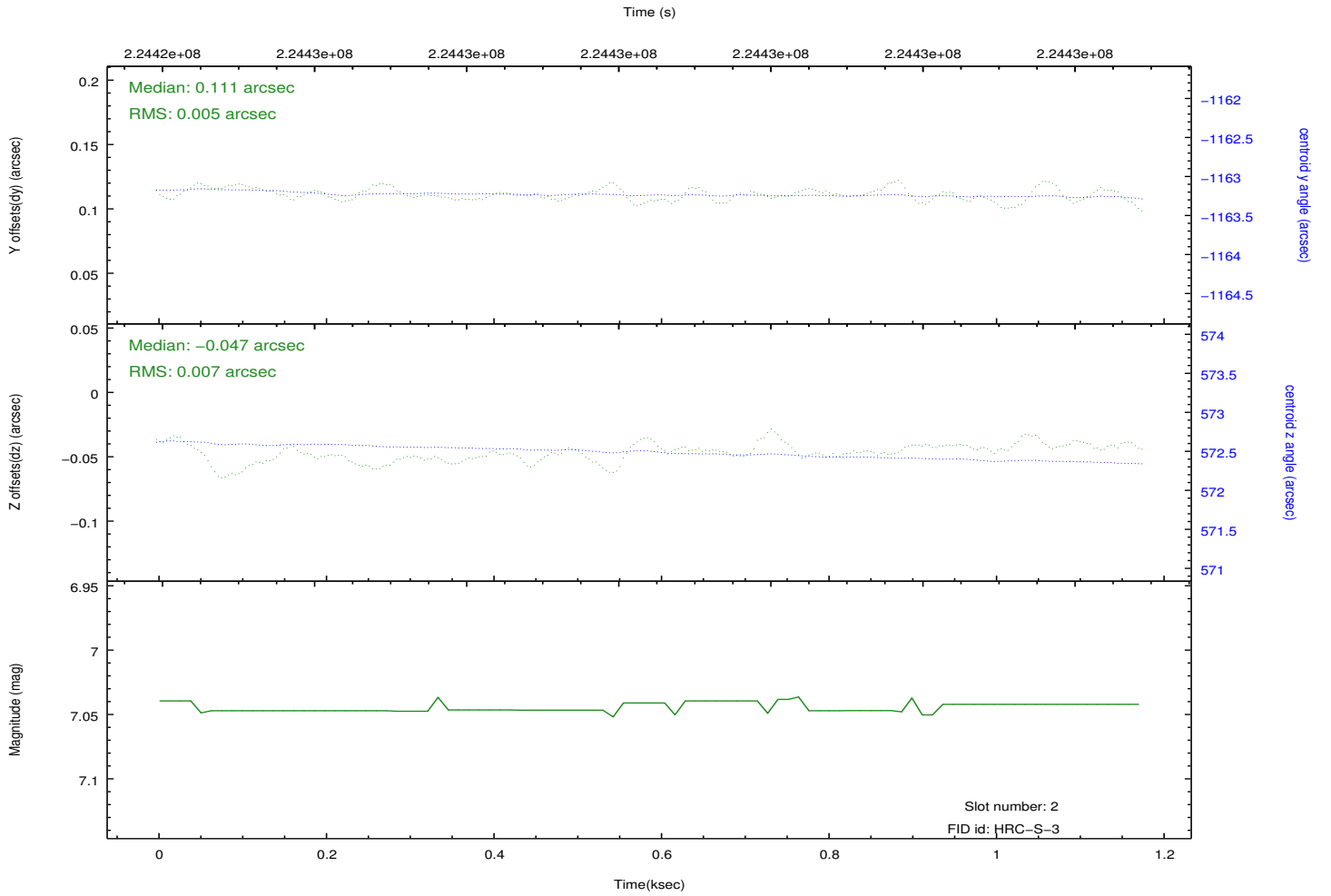
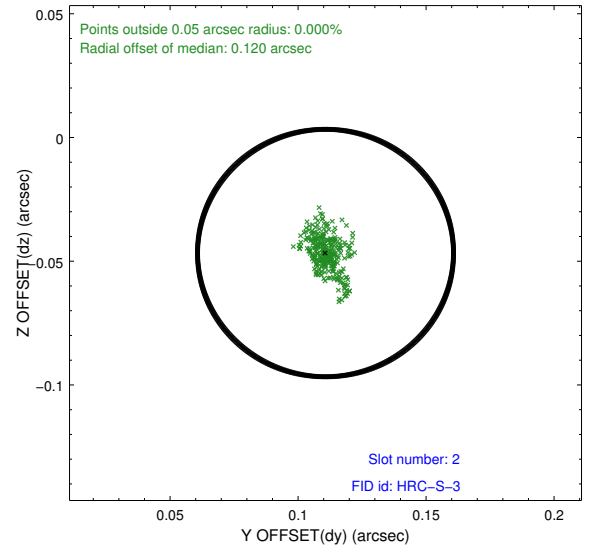
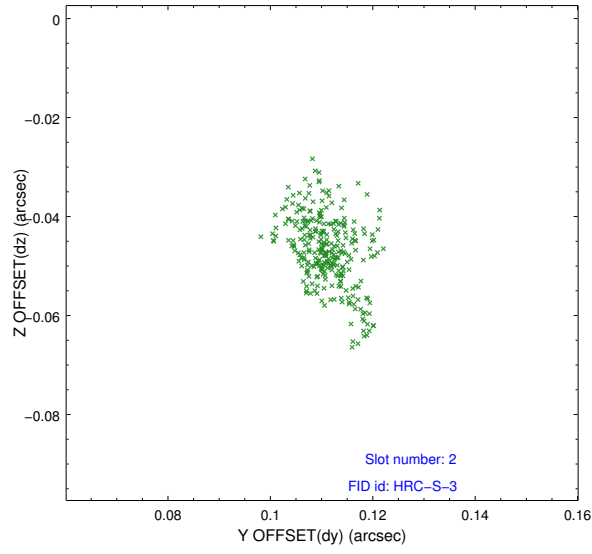
### 2.5.1 Slot 0



## 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)	2013.01.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.151331

### A.2 Comments