

# V&V Reference Report

## L2 ASCDS Version : 8.5.1.1

Observation 6003 - L2 Version 3  
Chandra X-Ray Center

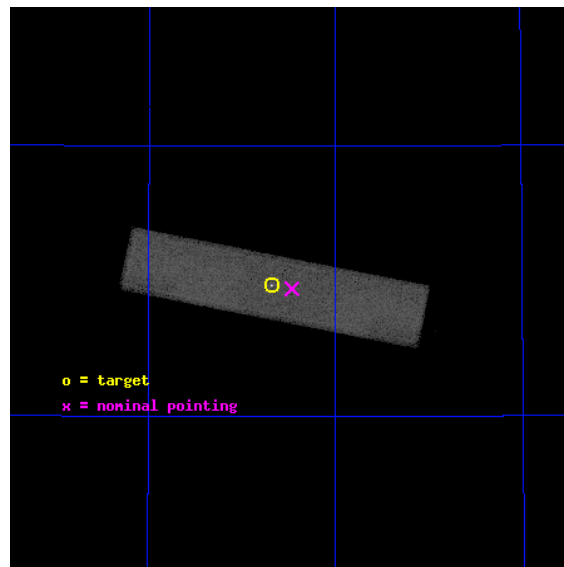
L2 Processing Date : Mar 15 2013

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# 1 Front

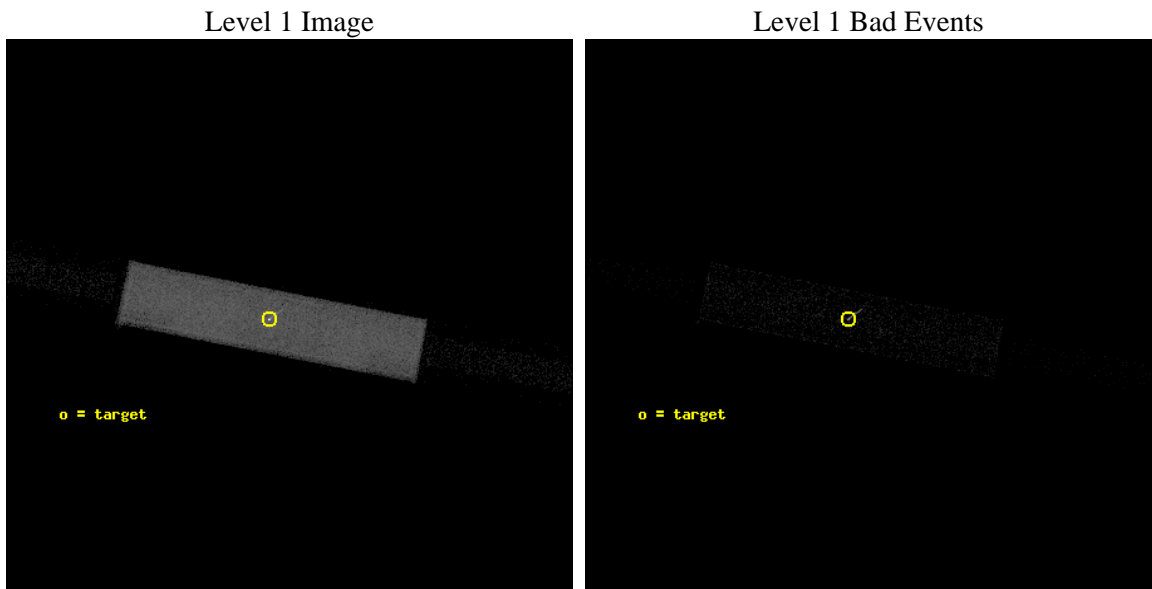
seq_num	290495	Sequence number
obs_id	6003	Observation id
title	AO6B Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.11611076934	Nominal RA [deg]
dec_nom	45.735987722621	Nominal Dec [deg]
roll_nom	191.00131451073	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1151.331302911	[s]
livetime	1138.5871211678	Ontime multiplied by DTCOR
l2events	95282	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	8.5.1.1	Processing system revision	ontime	1151.331302911	[s]
caldsver	4.5.5	&#160	l1events	145777	Number of level 1 events
date	2012-12-28T18:46:27	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

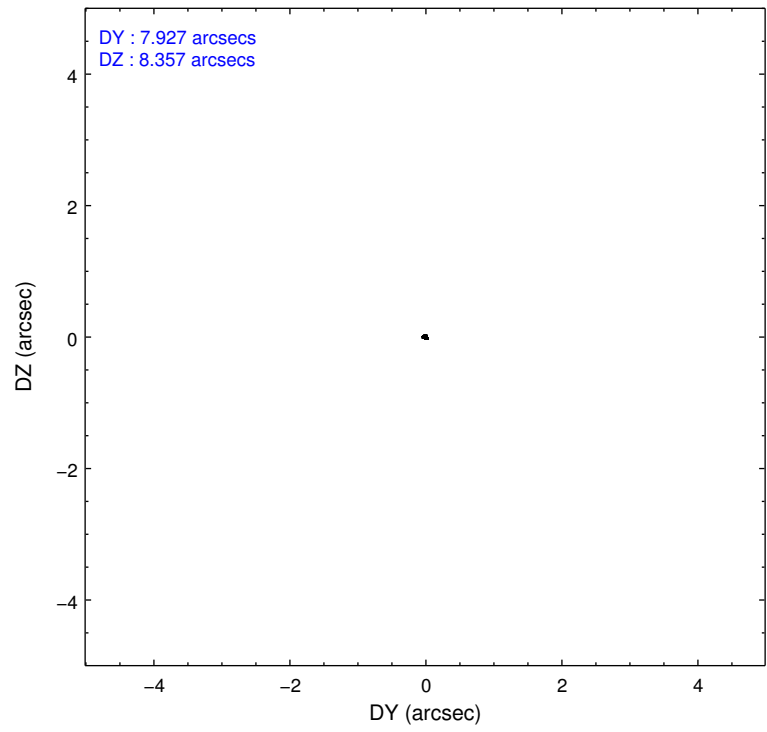
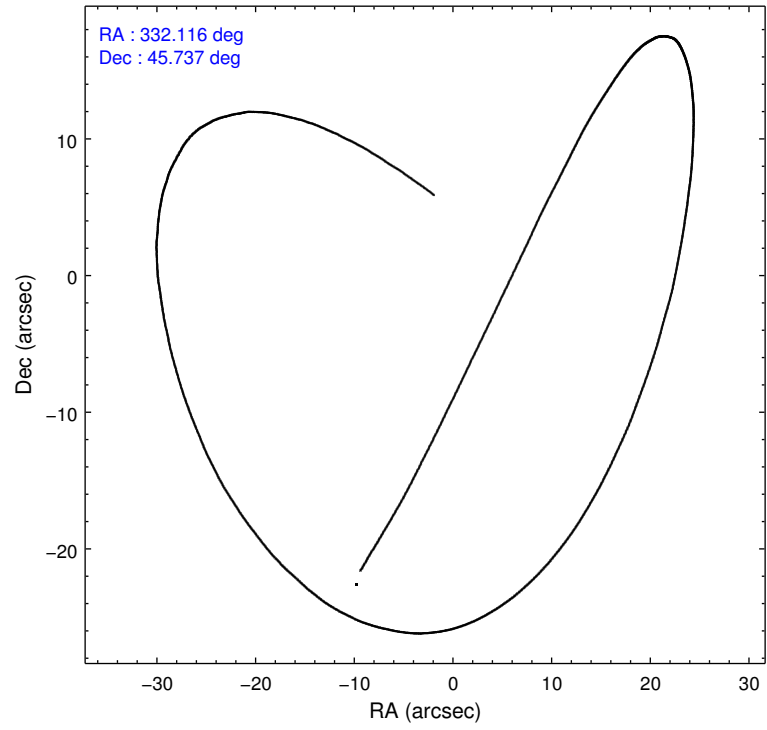
Level 1 Events

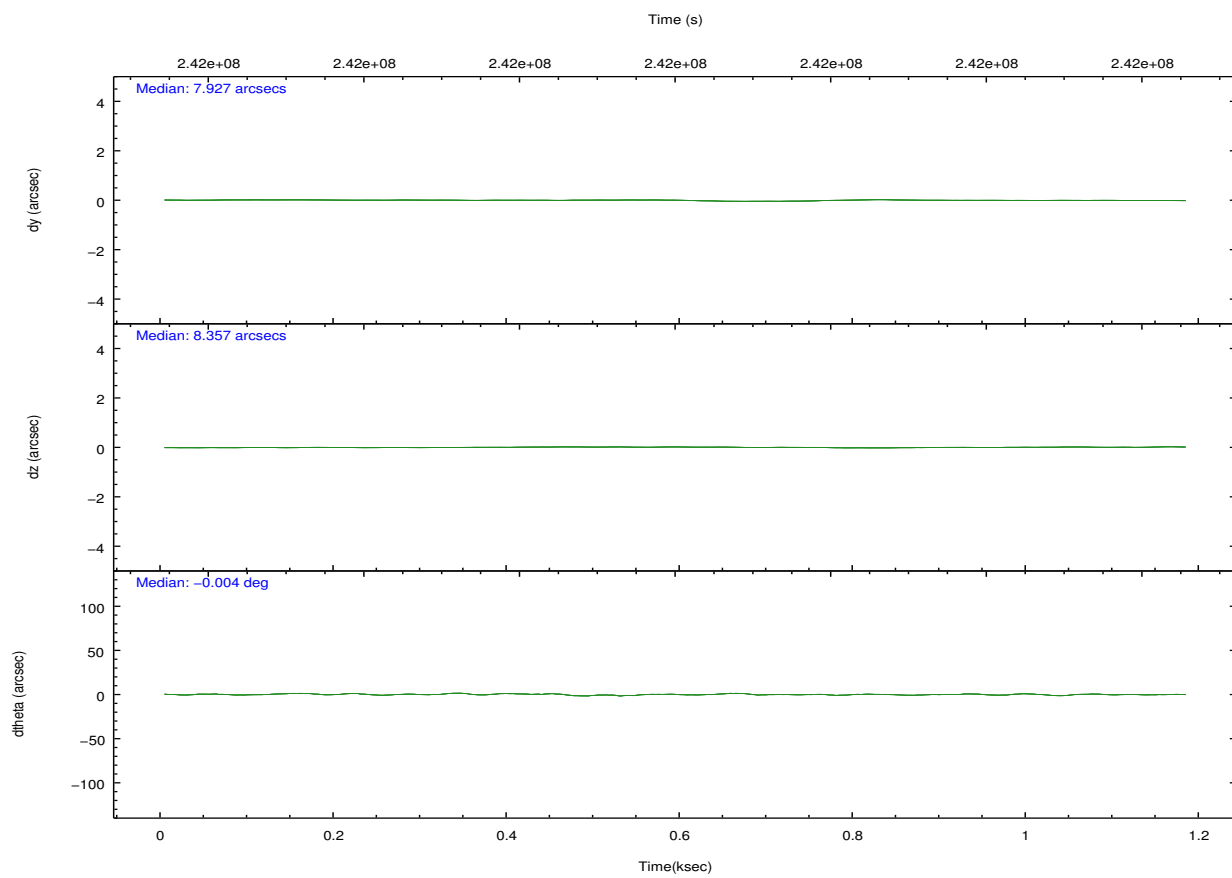
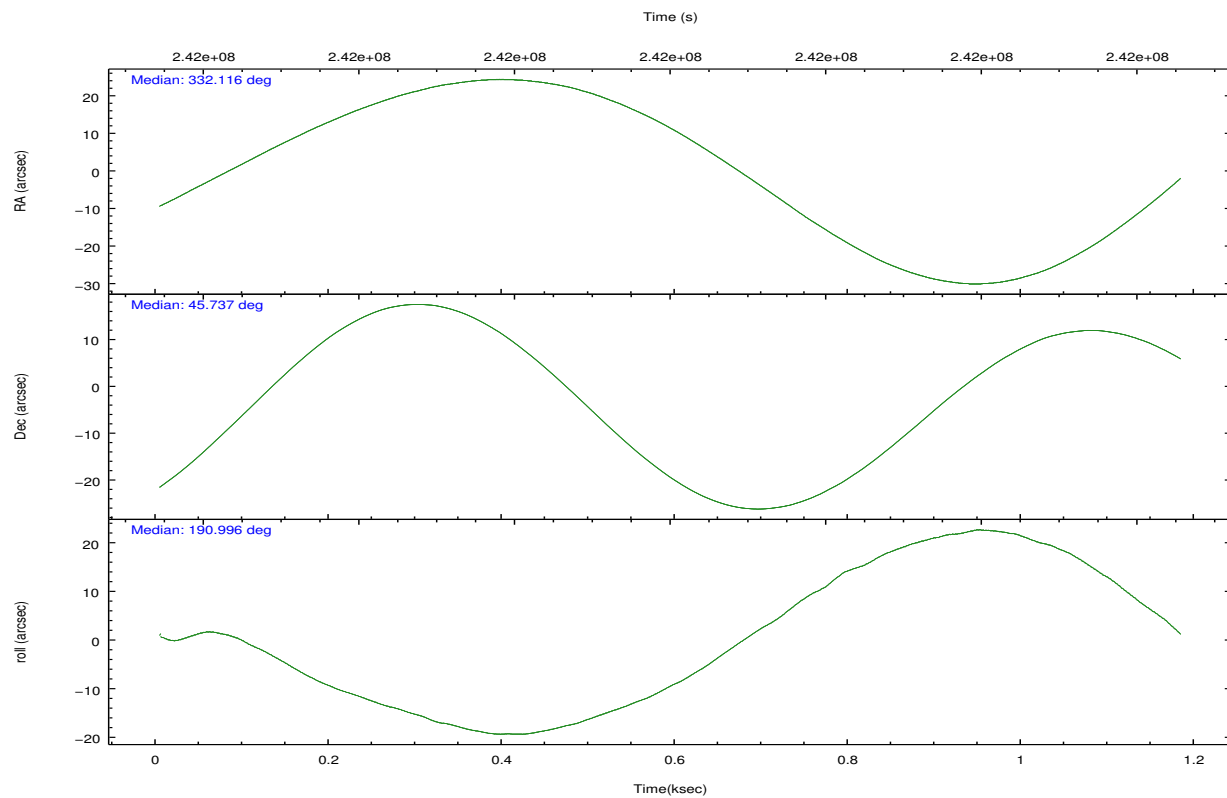
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	1662	142656	1459
rejected events	1662	34571	1457
rejected %	100%	24%	99%

## 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	332.146051	332.1161107693364			
[deg] Pointing Dec	45.755037	45.73598772262148			
[deg] Pointing Roll	190.912545	191.001314510731			
[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)	242002794.184000	242002418.28364			
Observation start date	2005-09-01T22:58:50	2005-09-01T22:53:38			
[s] Observation end time (MET)	242003794.184000	242003928.10871			
Observation end date	2005-09-01T23:15:30	2005-09-01T23:18:48			

## 2.3 Aspect





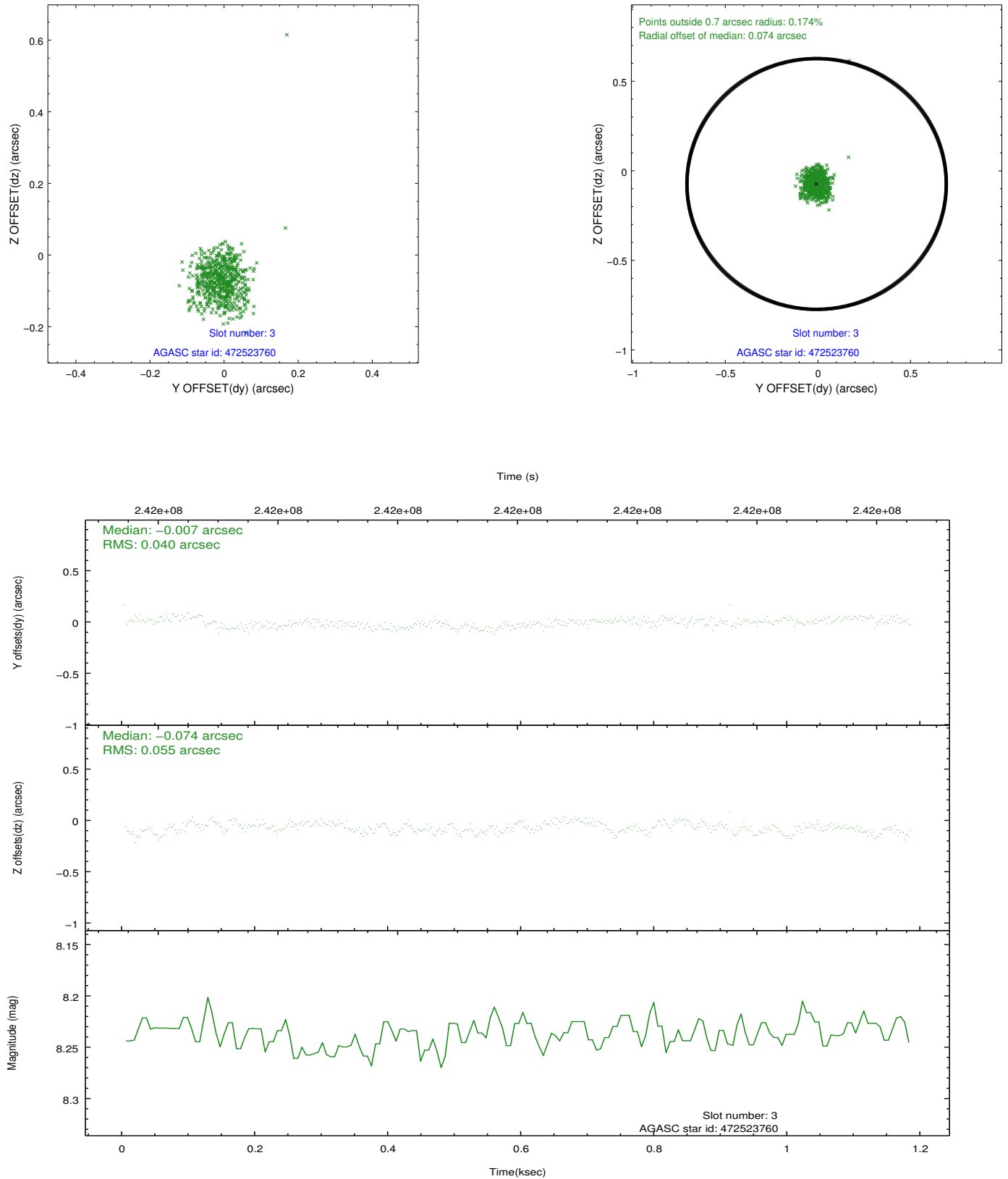
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.04	288	0.141	-0.145	0.008	0.014	0.000000	0.000000	-1162.09	-456.99
1	FID	HRC-S-2	7.04	288	0.159	-0.118	0.005	0.008	0.000000	0.000000	1233.58	-451.18
2	FID	HRC-S-3	7.04	288	0.090	-0.040	0.008	0.013	0.000000	0.000000	-1160.58	571.08
3	GUIDE	472523760	8.24	576	-0.007	-0.074	0.066	0.104	331.645363	45.403260	1481.52	1003.15
4	GUIDE	472527720	6.99	577	-0.153	-0.085	0.070	0.129	331.460205	45.112509	2149.61	1939.04
5	GUIDE	472535576	7.86	577	-0.163	0.113	0.059	0.091	331.438373	46.291802	1364.96	-2231.76
6	GUIDE	472655152	9.45	577	0.121	0.056	0.102	0.157	332.504239	45.862991	-953.33	-214.43
7	GUIDE	472665256	9.00	575	0.201	0.002	0.077	0.121	332.808125	46.195041	-1922.64	-1247.37

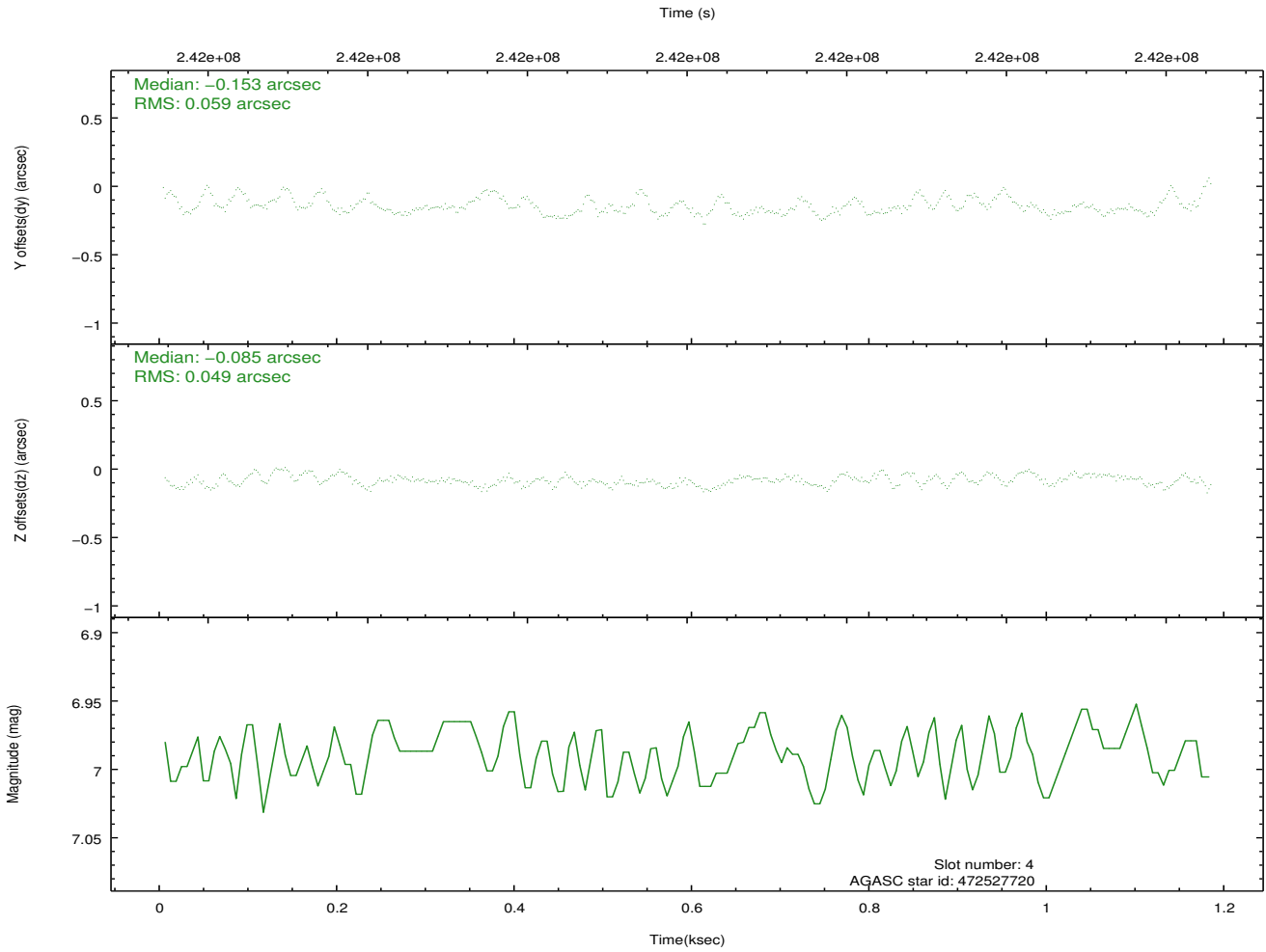
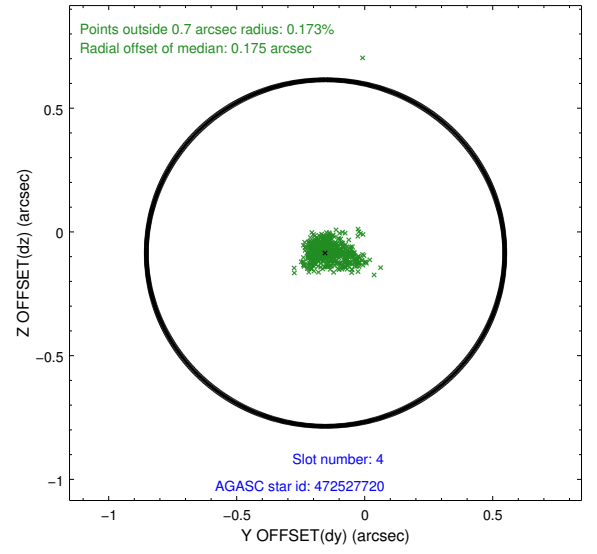
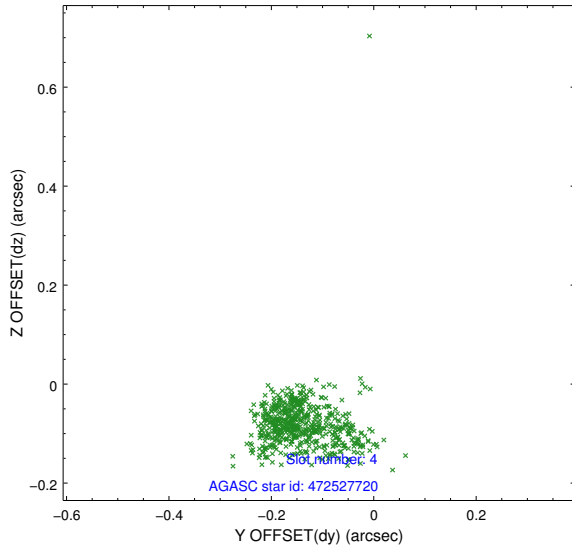


## 2.4 Star Slots

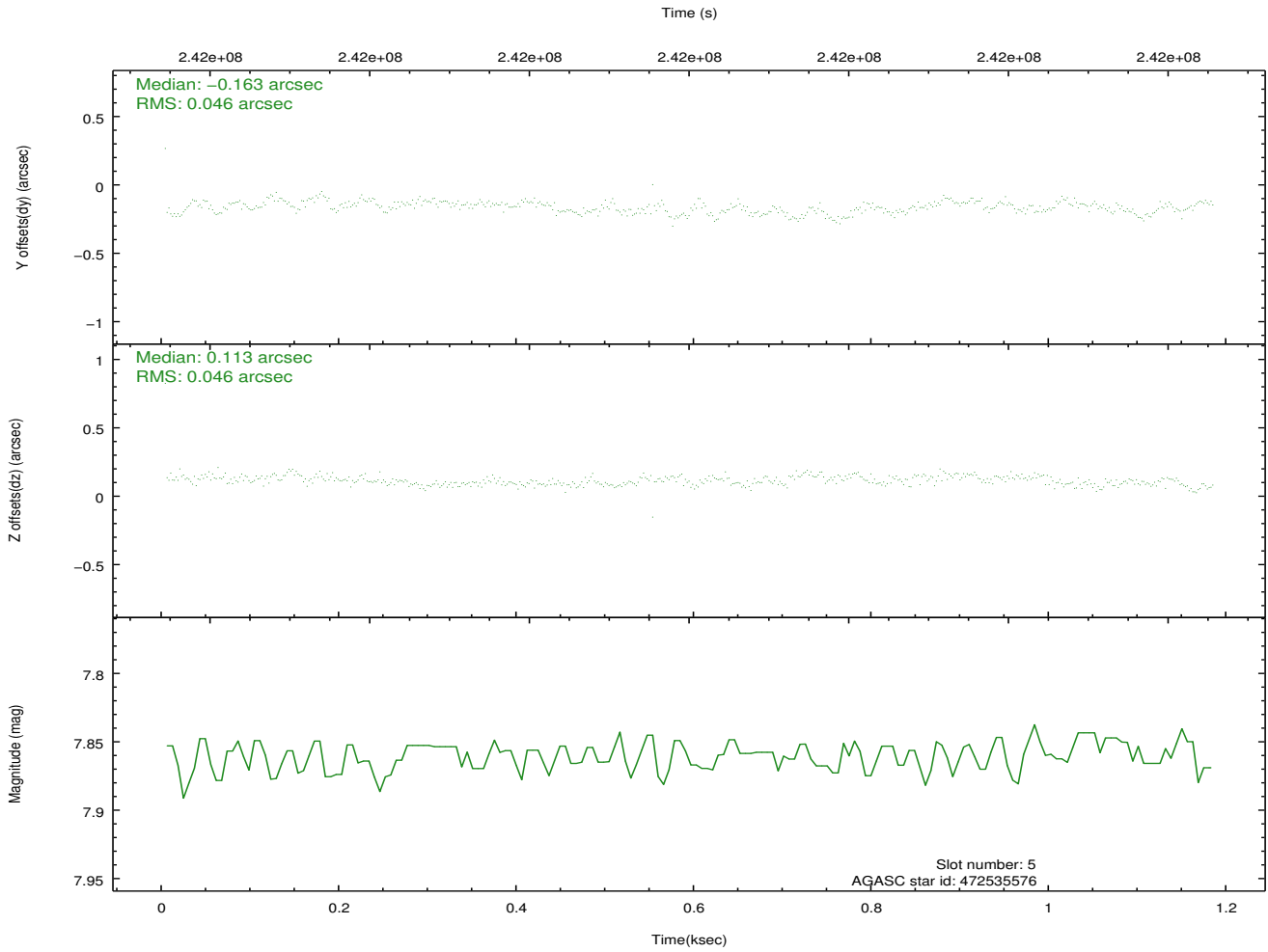
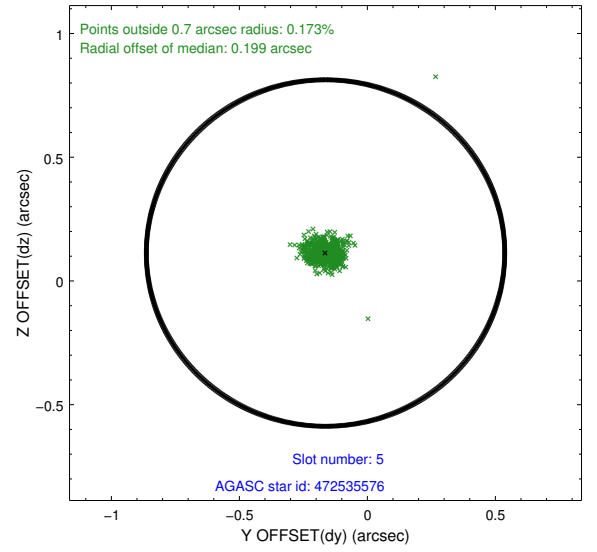
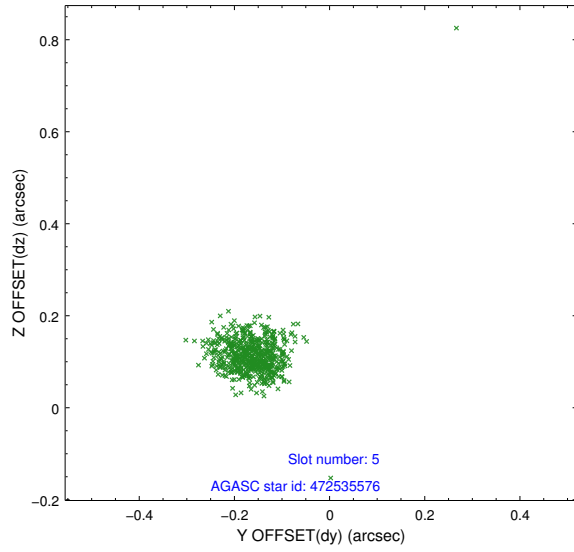
### 2.4.1 Slot 3



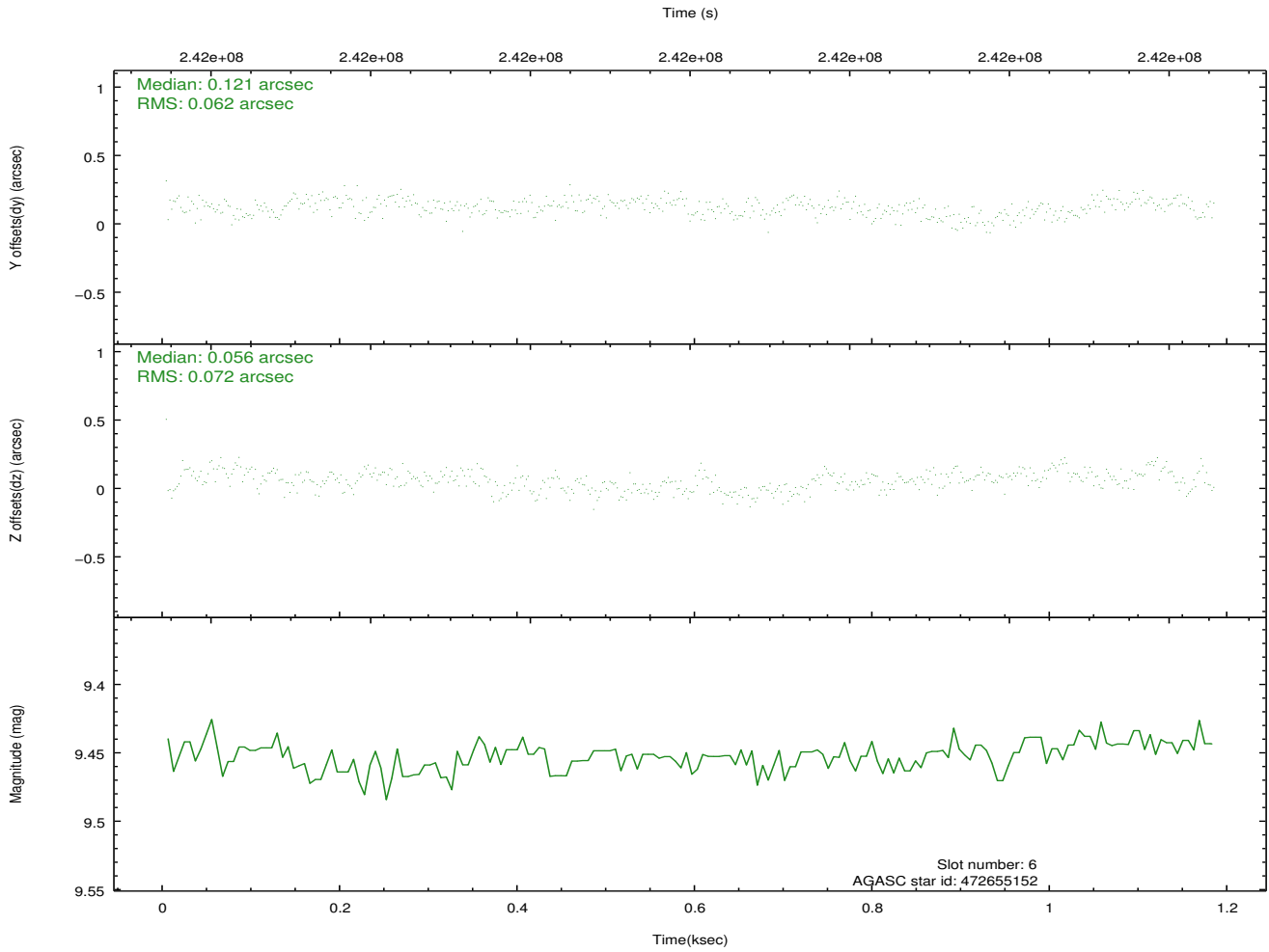
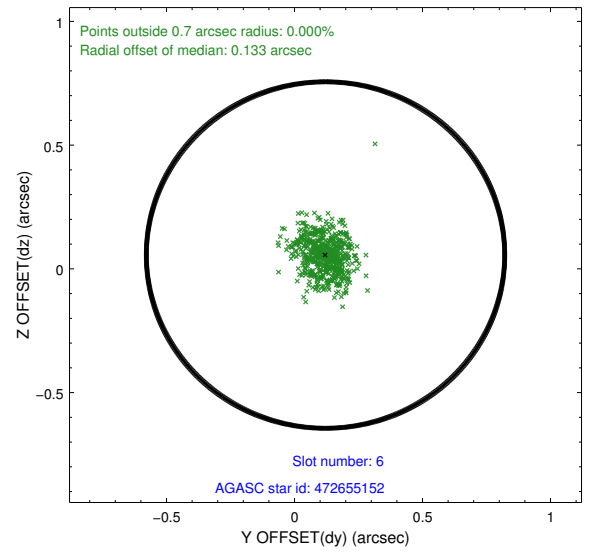
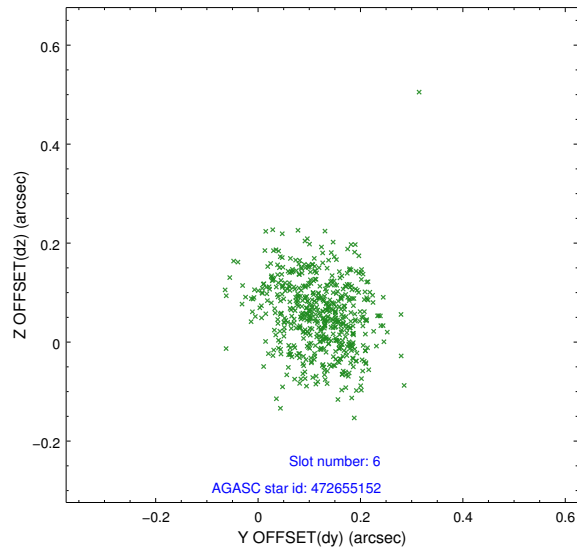
## 2.4.2 Slot 4



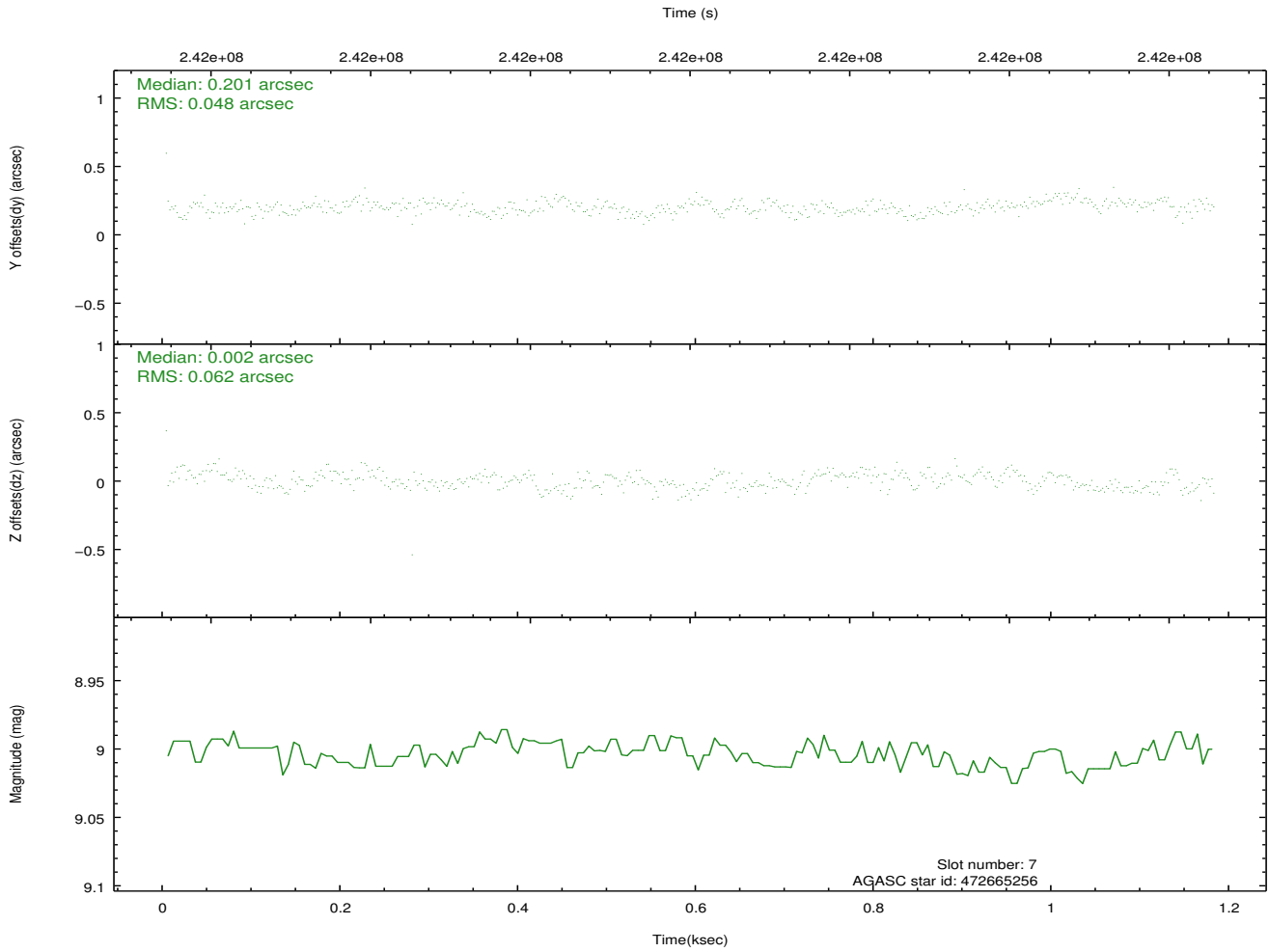
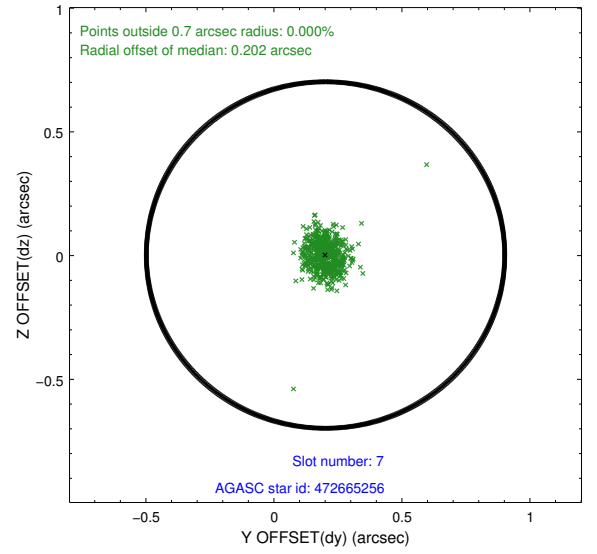
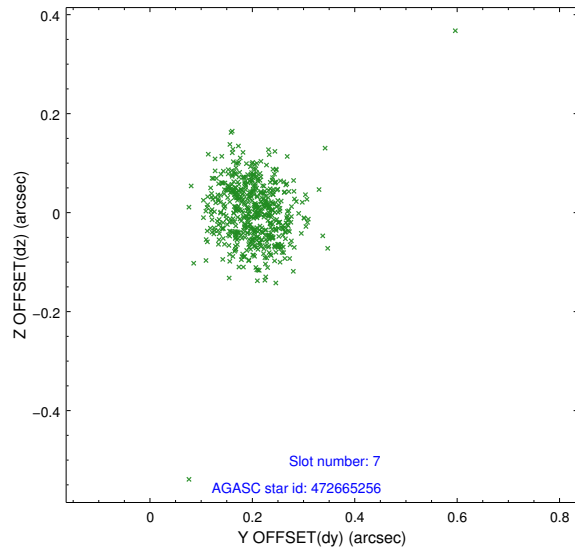
### 2.4.3 Slot 5



## 2.4.4 Slot 6

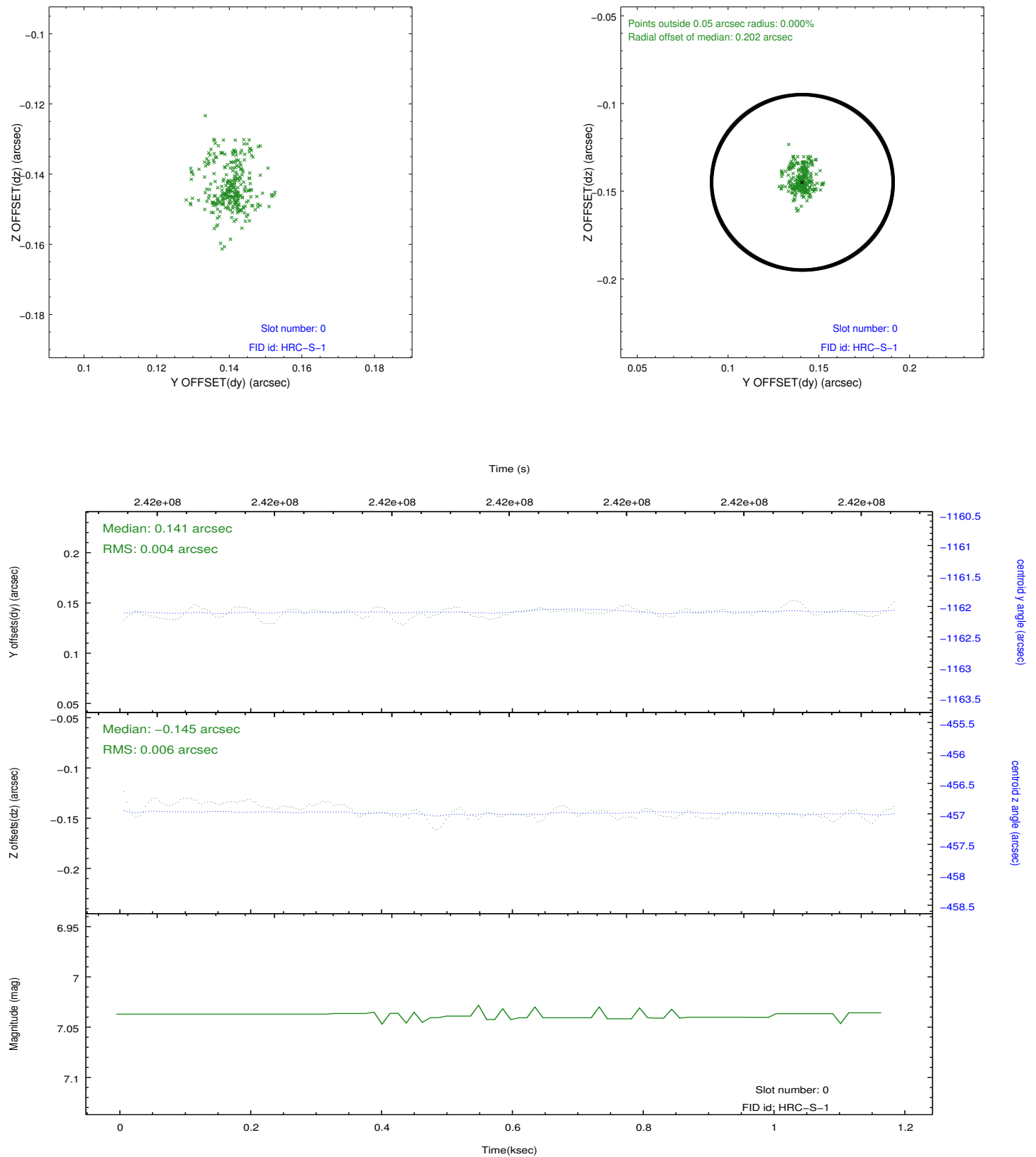


## 2.4.5 Slot 7

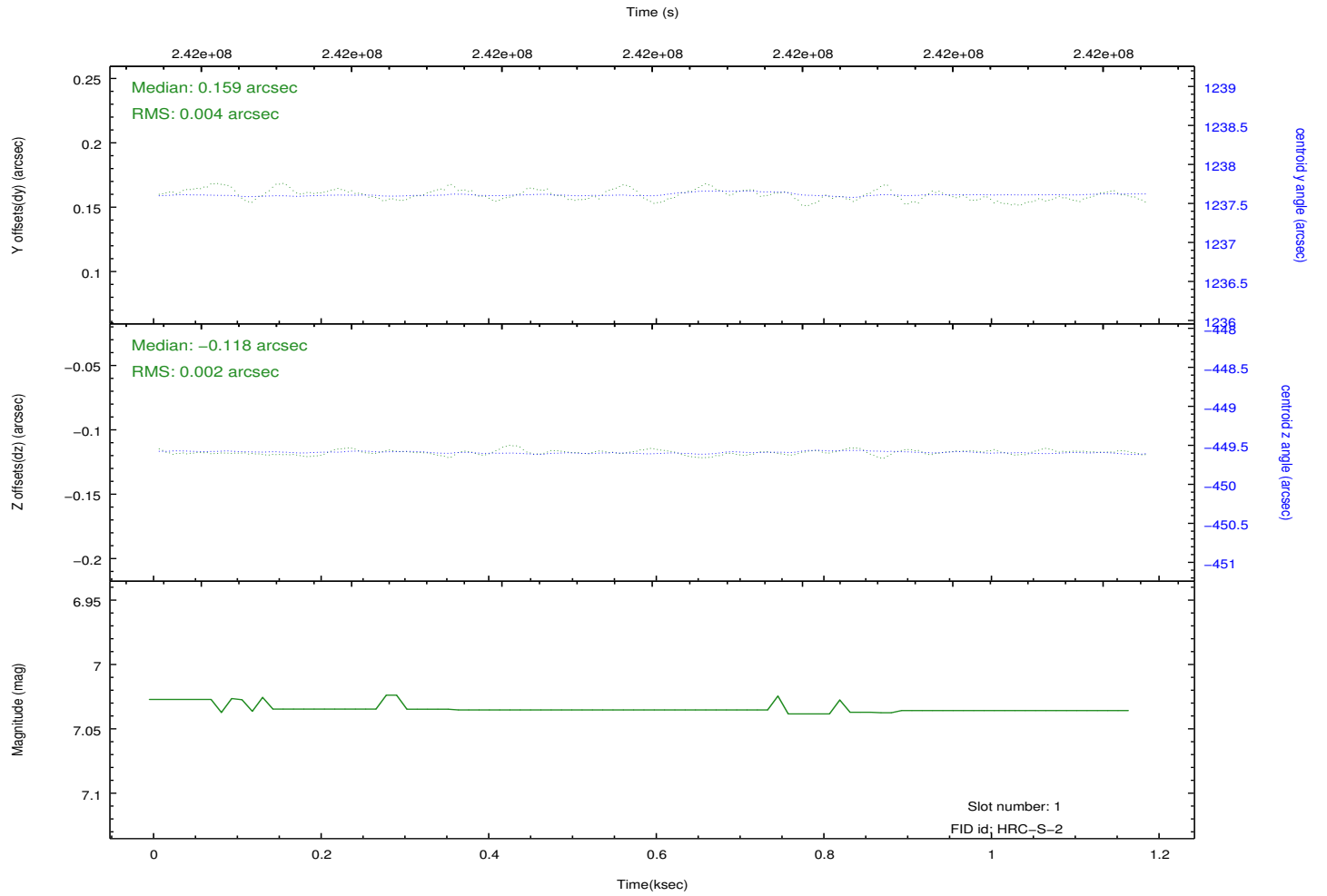
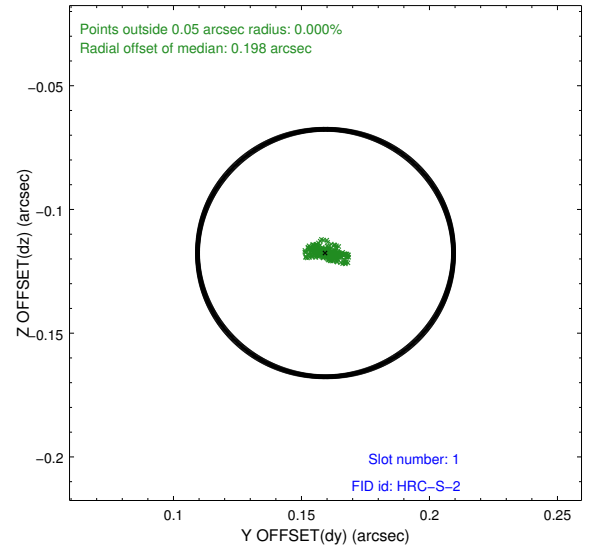
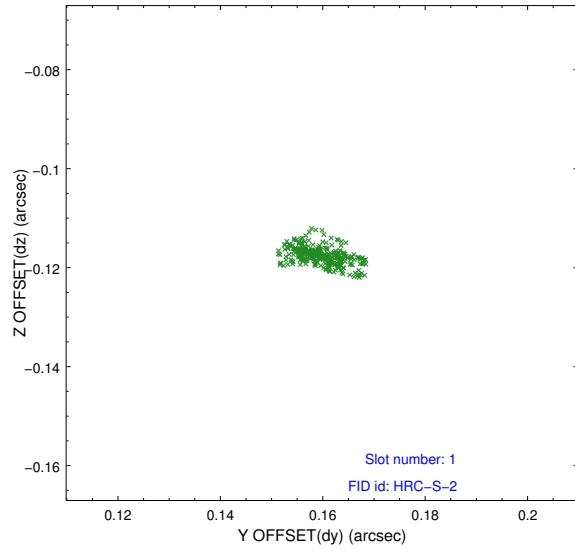


## 2.5 FID Slots

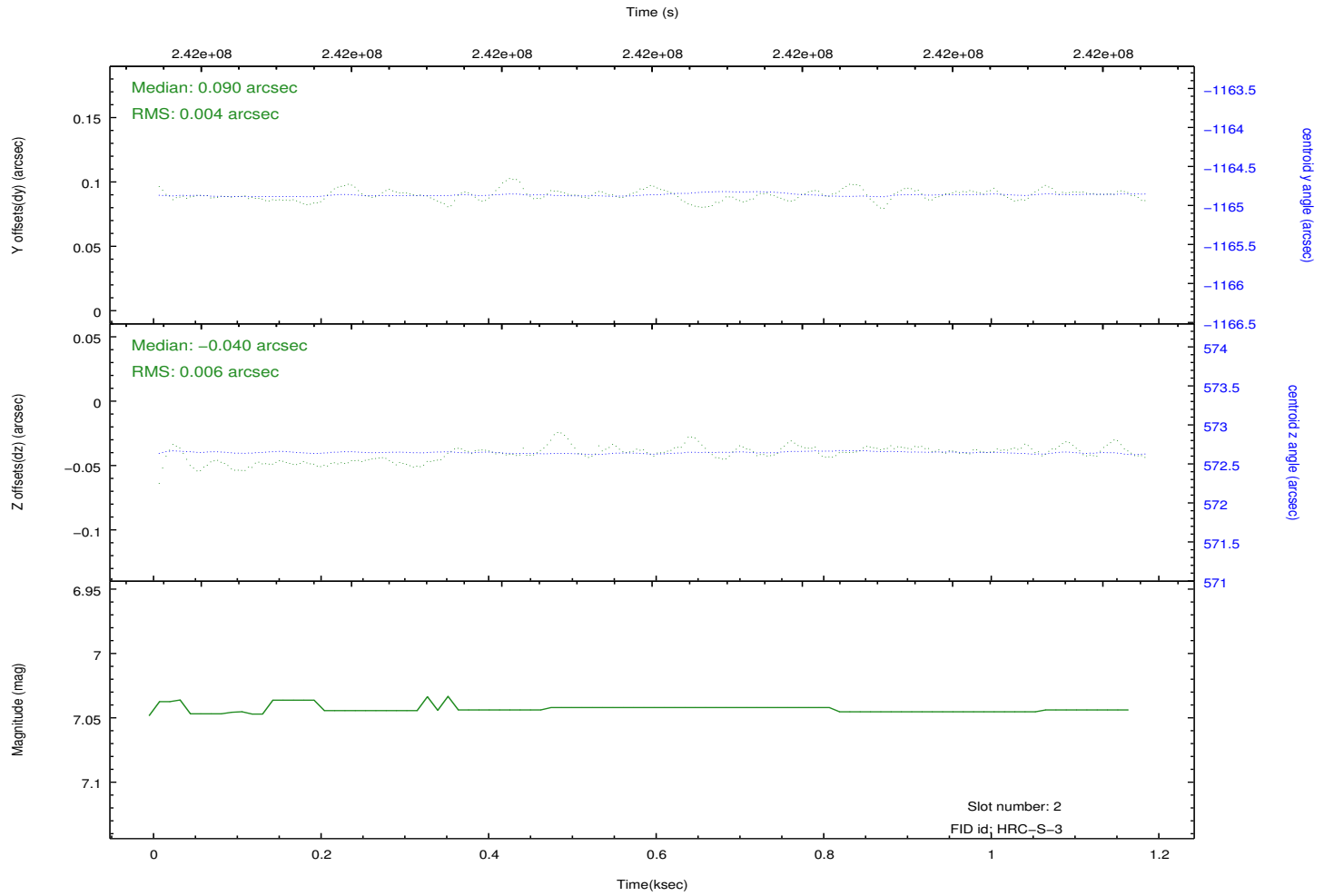
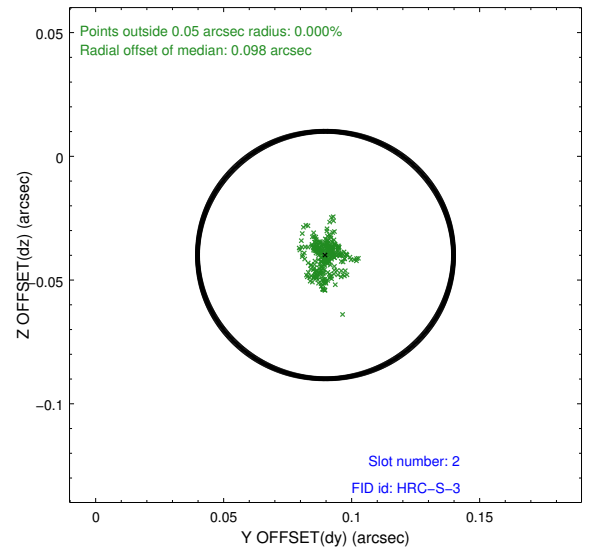
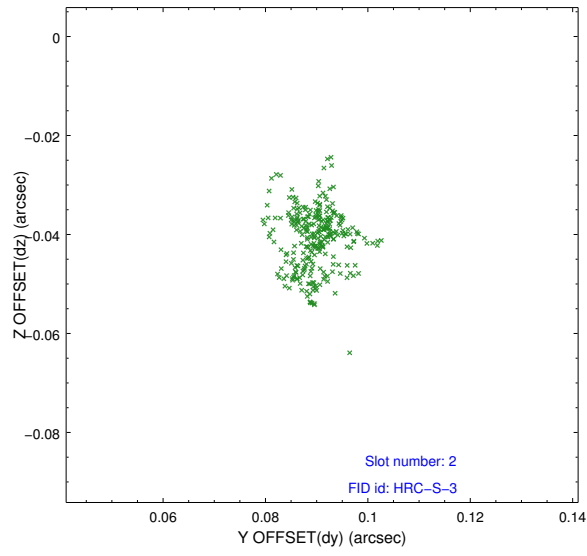
### 2.5.1 Slot 0



## 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)	2013.03.18
V&V Edition	2
V&V Disposition and Status	OK
V&V Charge Time	1.151075

### A.2 Comments