

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 6484 - L2 Version 3  
Chandra X-Ray Center

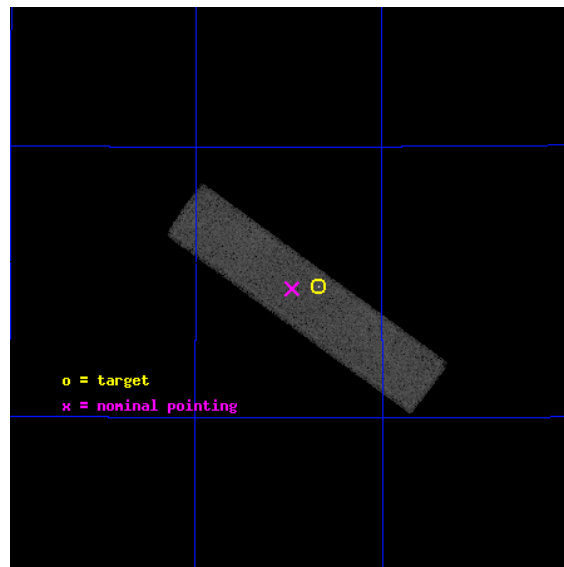
L2 Processing Date : Aug 11 2012

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# 1 Front

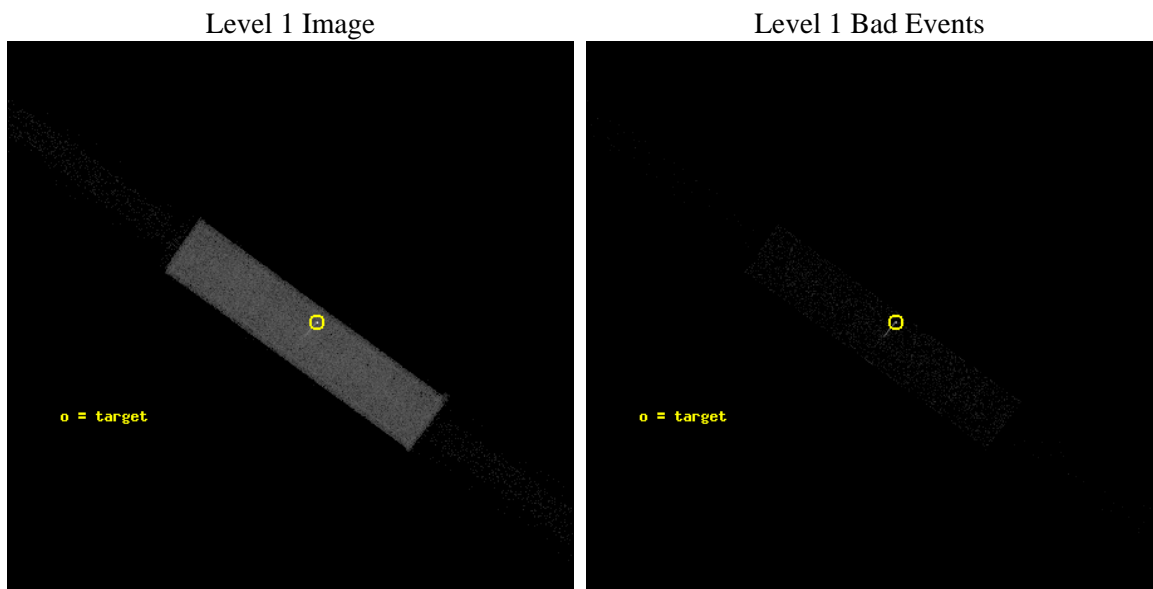
seq_num	290577	Sequence number
obs_id	6484	Observation id
title	AO7 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.24158064711	Nominal RA [deg]
dec_nom	45.738119657272	Nominal Dec [deg]
roll_nom	35.807846336917	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1151.0750535429	[s]
livetime	1140.8516503707	Ontime multiplied by DTCOR
l2events	74700	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	8.4.5	Processing system revision	ontime	1151.0750535429	[s]
caldsver	4.5.1.1	&#160	l1events	112592	Number of level 1 events
date	2012-08-11T04:46:40	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

Level 1 Events

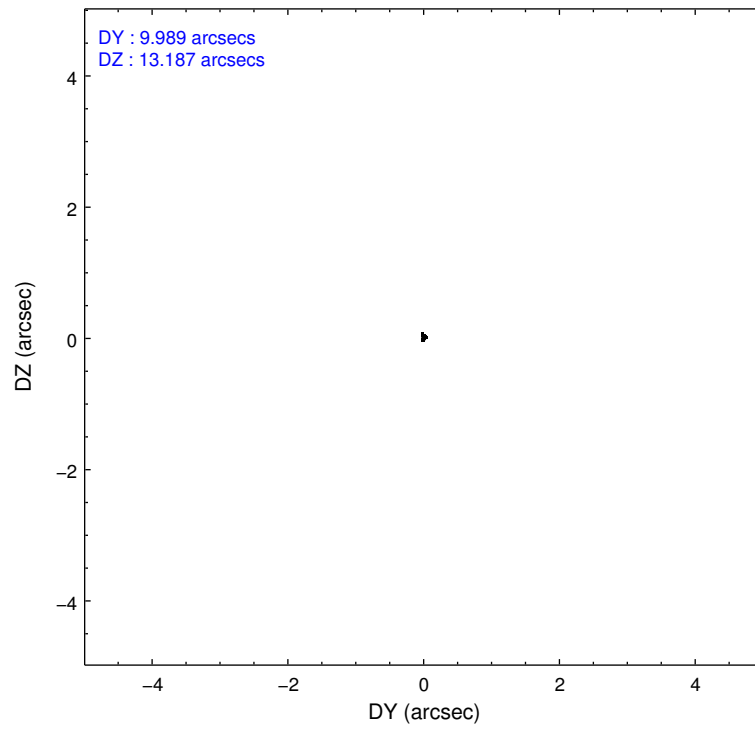
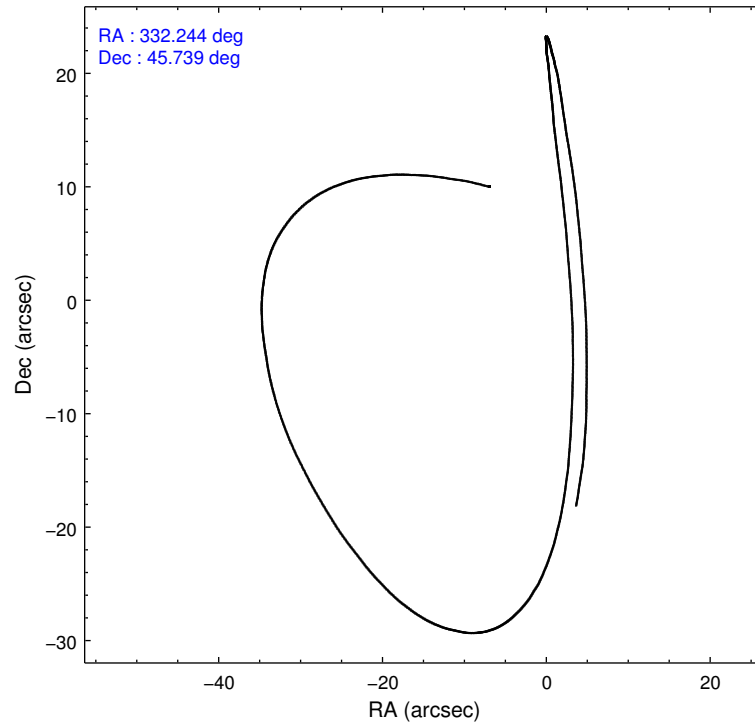
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	908	110760	924
rejected events	908	23025	924
rejected %	100%	20%	100%

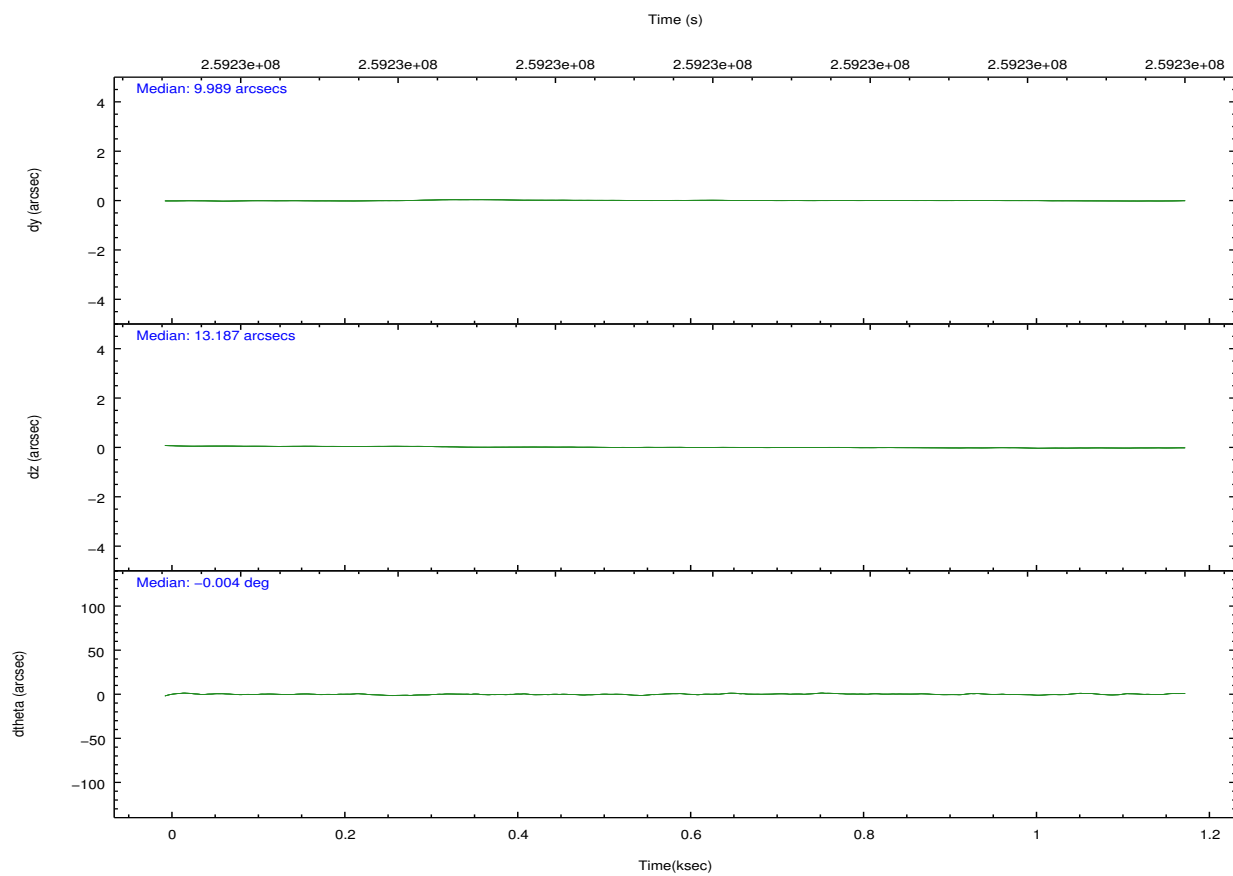
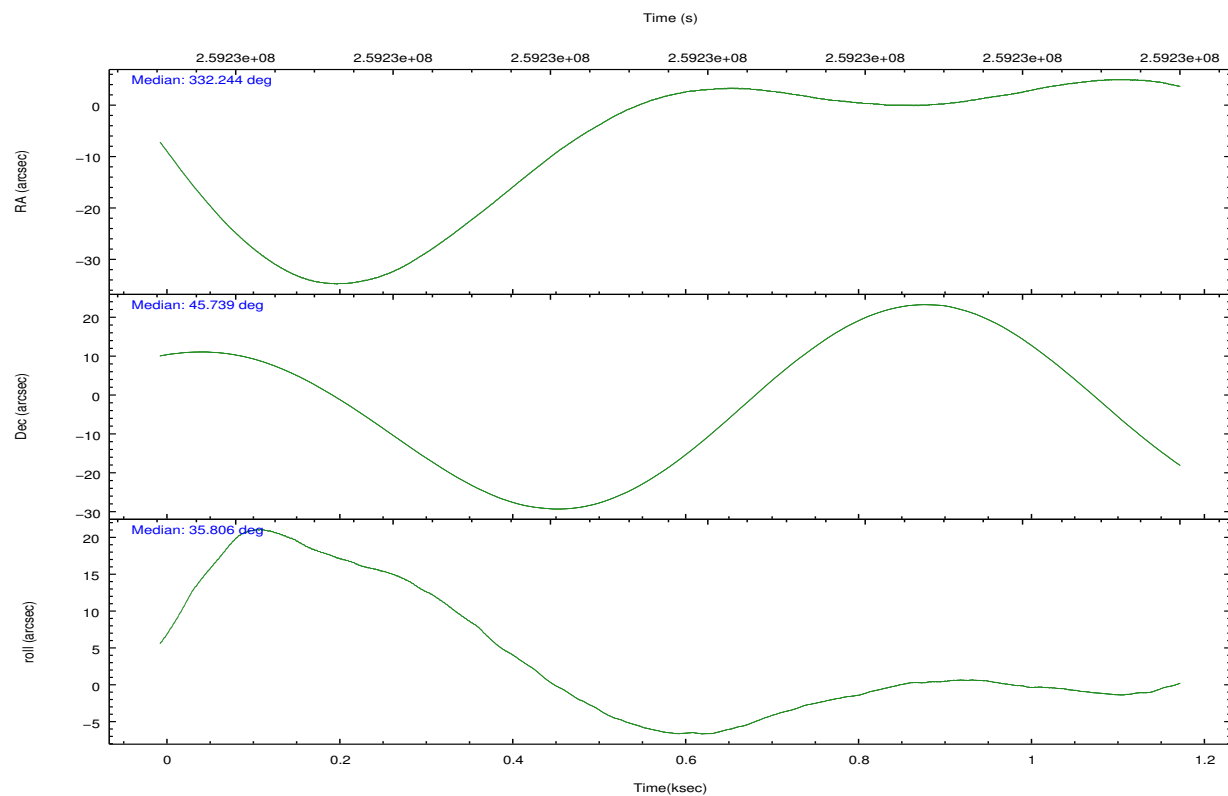
## 2.2 Compared Parameters

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	332.227297	332.2415806471113
[deg] Pointing Dec	45.710736	45.7381196572721
[deg] Pointing Roll	35.750813	35.80784633691704
[mm] SIM focus pos	-1.533336	-1.526339935833849
[mm] SIM defocus	7.710433287538843e-07	0.006996703570447904
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	259232539.184000	259232163.75528
Observation start date	2006-03-20T09:01:14	2006-03-20T08:56:03
[s] Observation end time (MET)	259233539.184000	259233673.58035
Observation end date	2006-03-20T09:17:54	2006-03-20T09:21:13

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

## 2.3 Aspect





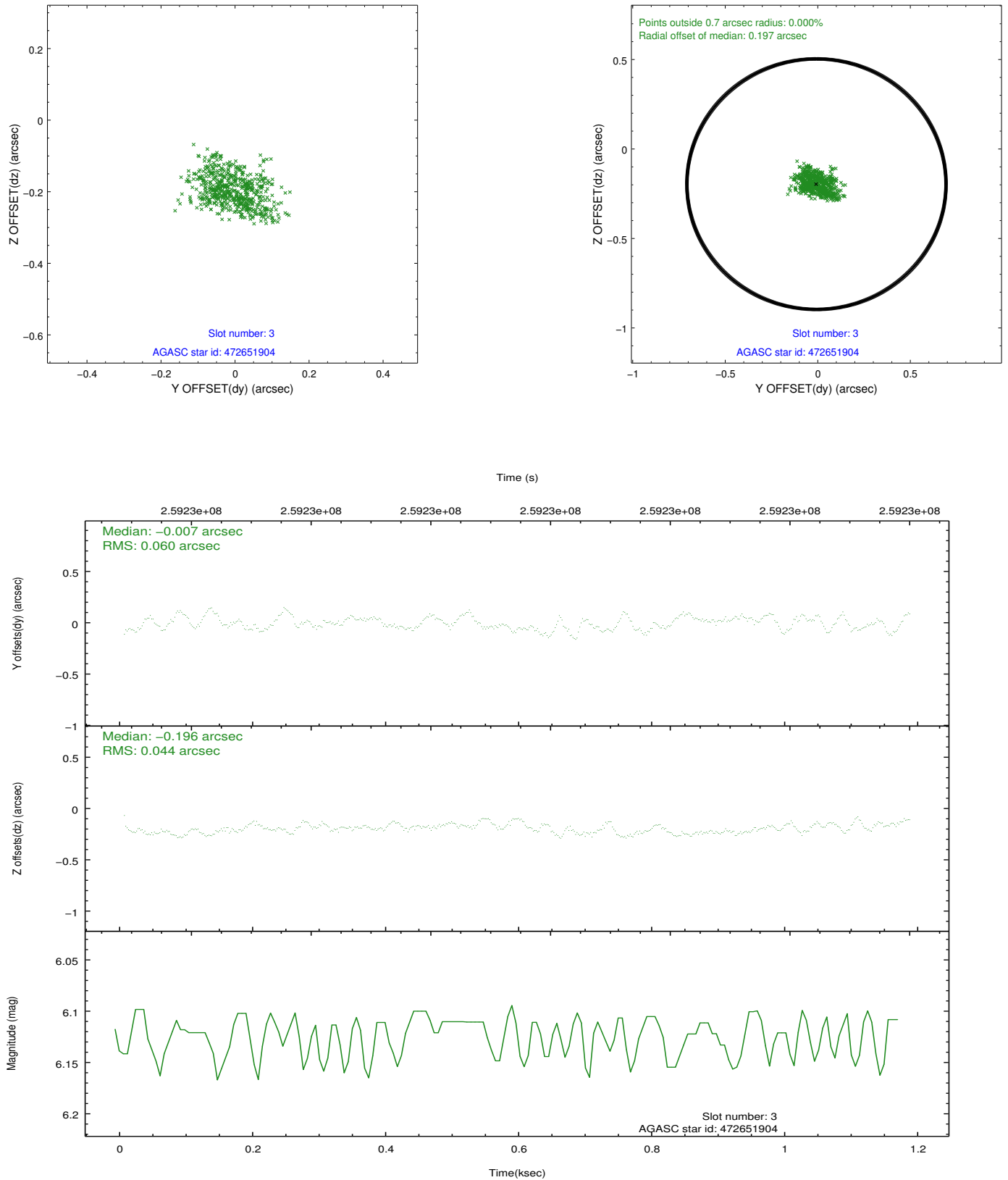
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.06	288	0.131	-0.161	0.008	0.012	0.000000	0.000000	-1164.19	-461.99
1	FID	HRC-S-2	7.05	288	0.137	-0.103	0.005	0.008	0.000000	0.000000	1231.43	-456.15
2	FID	HRC-S-3	7.06	288	0.123	-0.038	0.006	0.010	0.000000	0.000000	-1162.65	566.07
3	GUIDE	472651904	6.12	577	-0.007	-0.196	0.079	0.129	332.170077	45.742257	-50.42	173.44
4	GUIDE	472654568	9.43	576	0.011	0.044	0.115	0.195	332.194449	45.063576	-1429.07	-1844.59
5	GUIDE	472665256	9.03	577	-0.213	0.098	0.072	0.118	332.808125	46.195041	2193.70	567.63
6	GUIDE	472655152	9.43	576	0.141	-0.056	0.115	0.189	332.504239	45.862991	888.36	38.10
7	GUIDE	472525528	6.62	575	0.069	0.120	0.074	0.118	331.551102	45.248694	-2356.85	-345.60

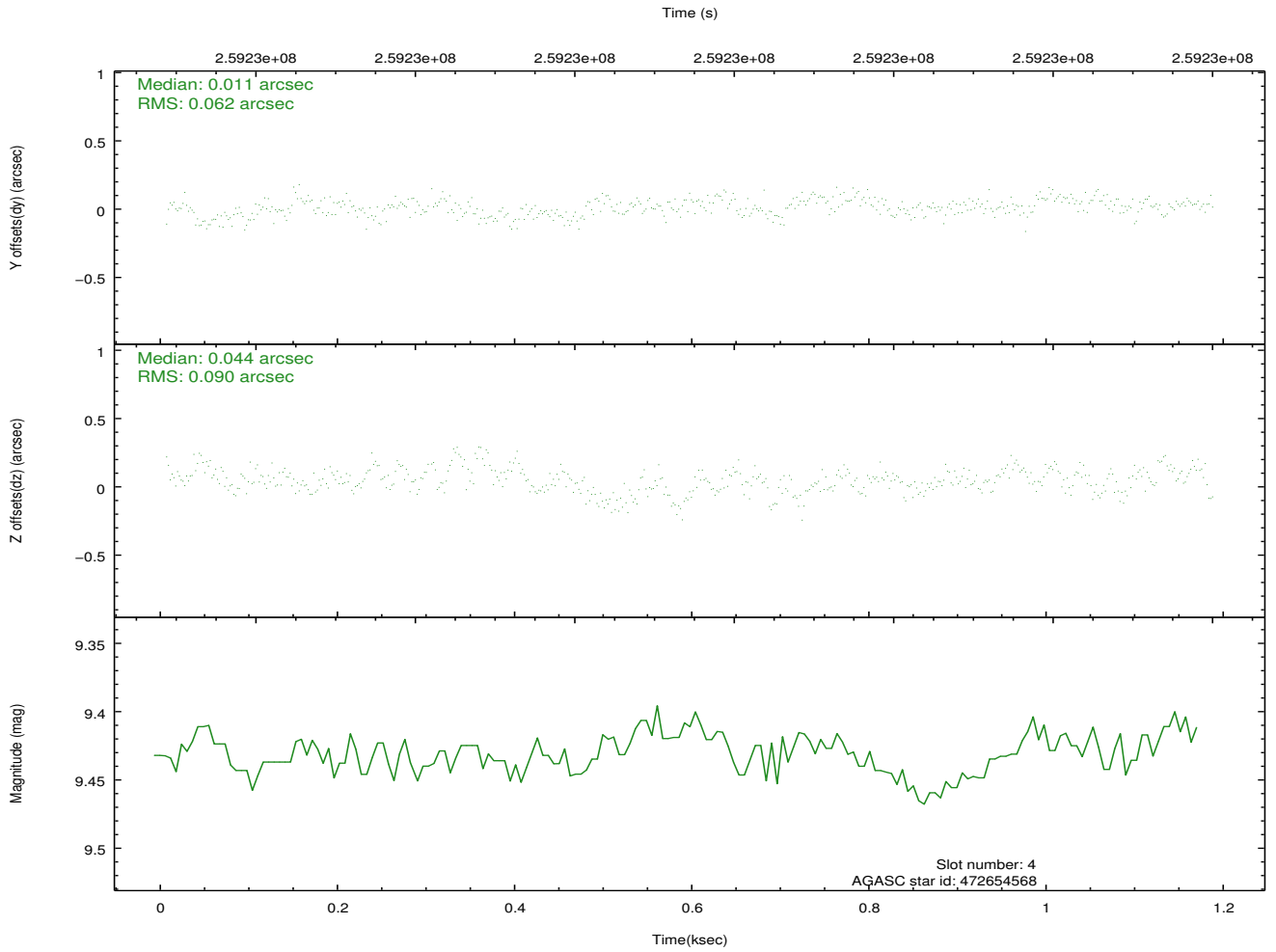
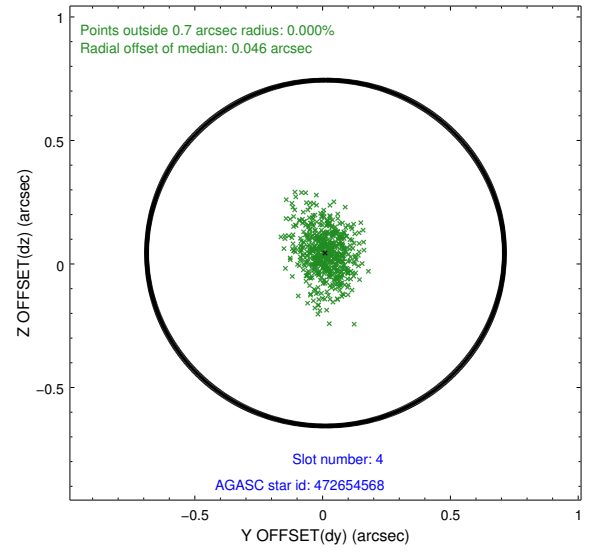
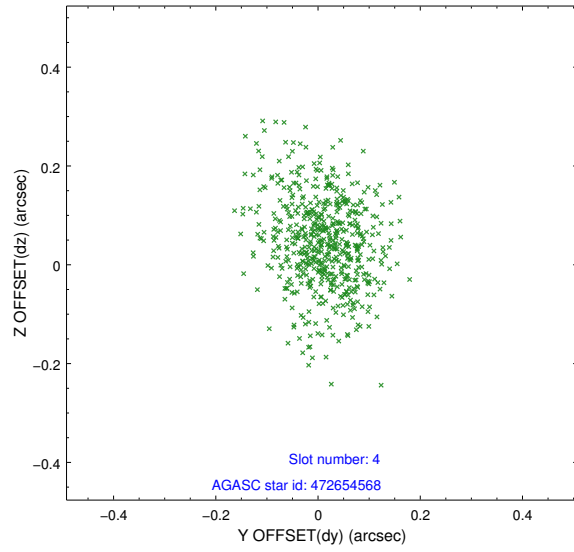


## 2.4 Star Slots

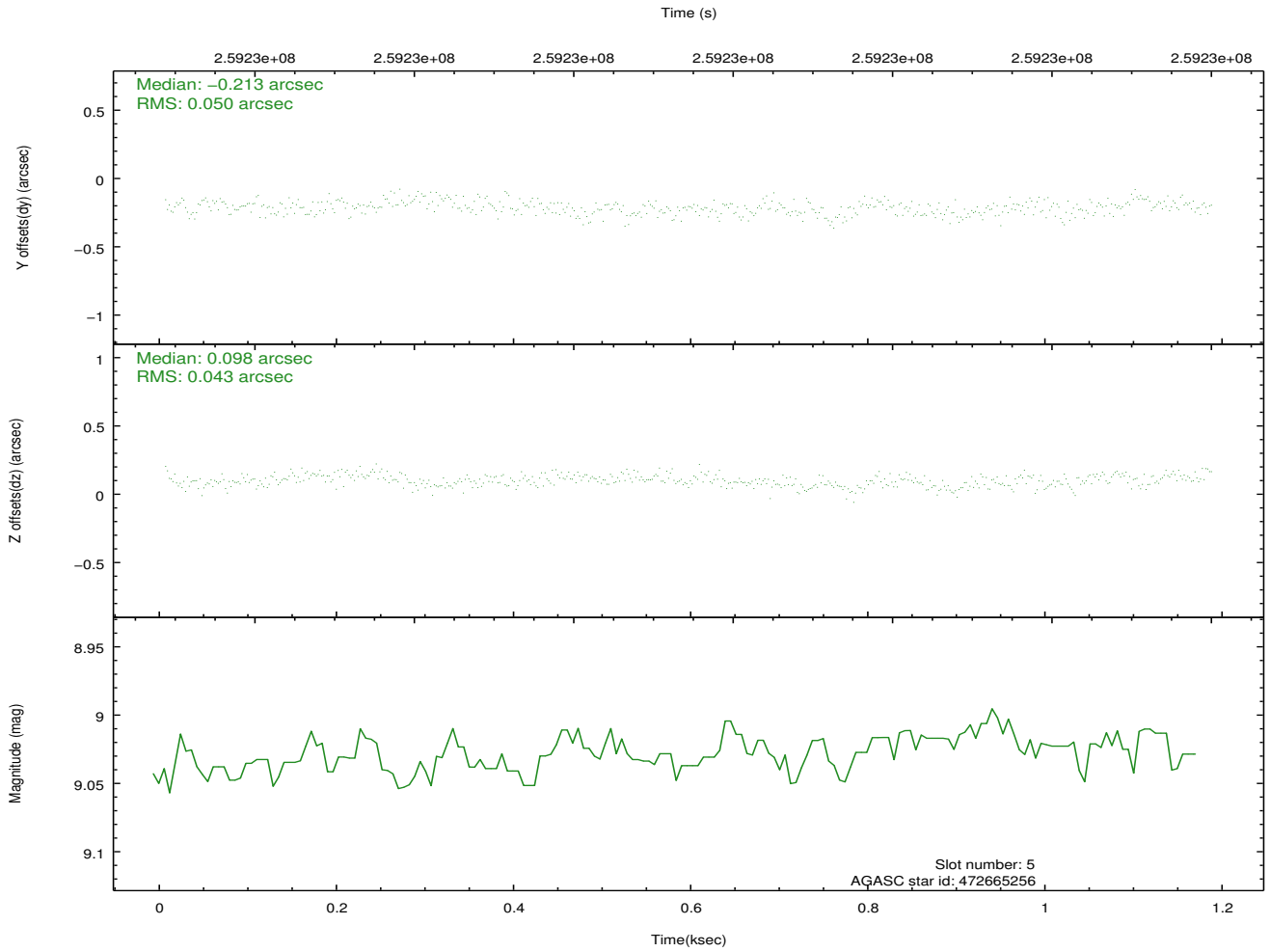
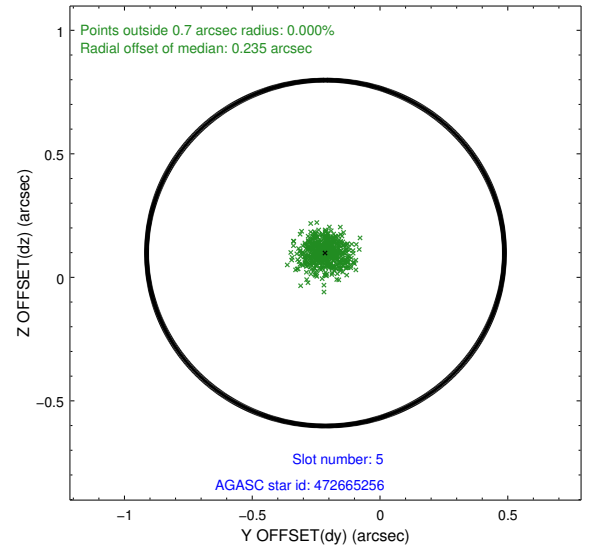
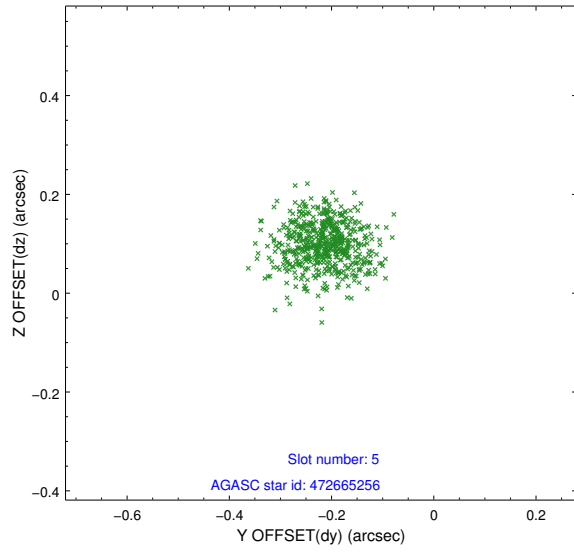
### 2.4.1 Slot 3



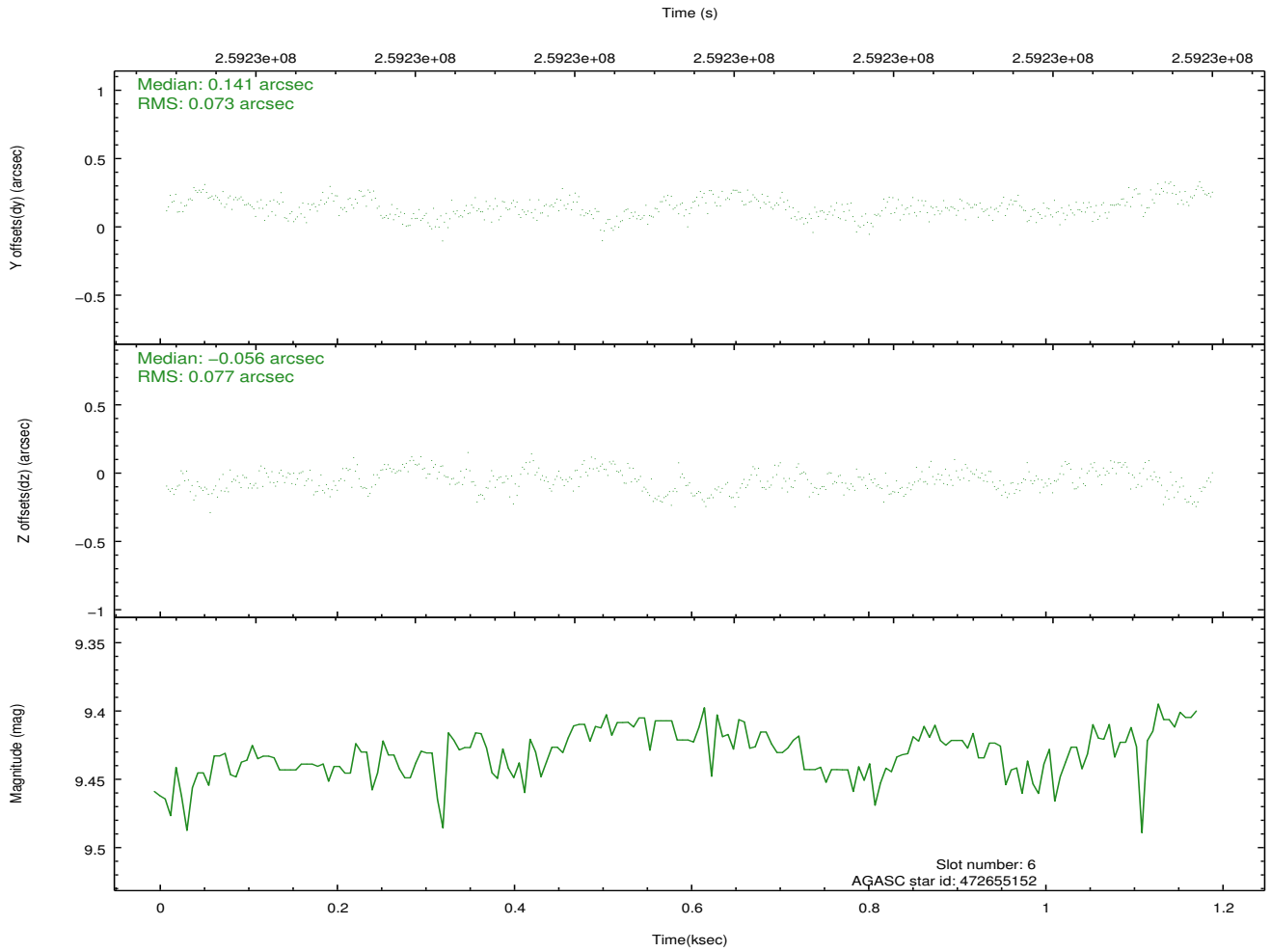
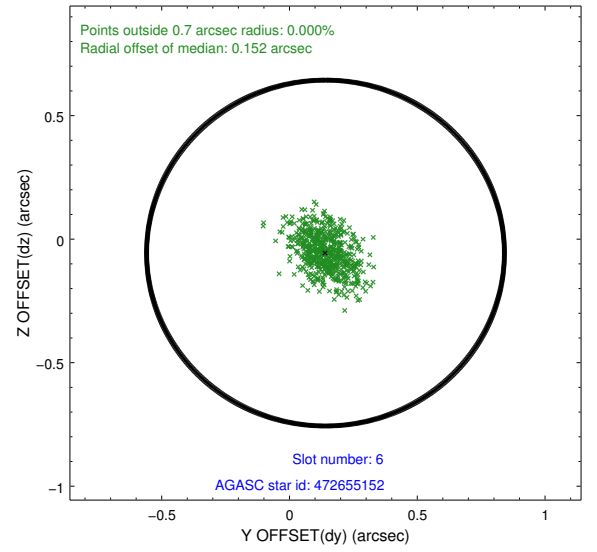
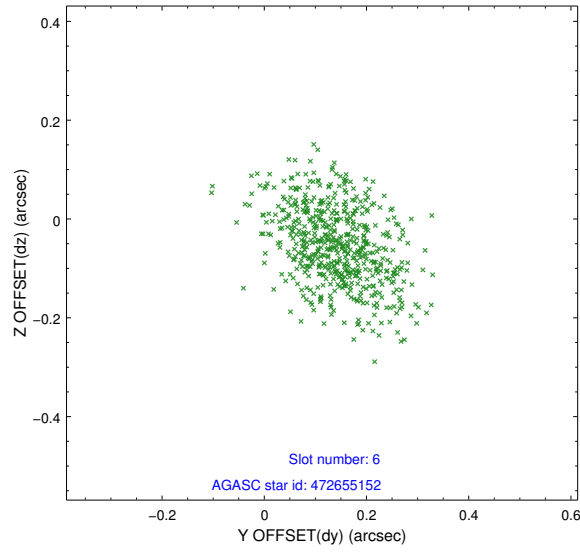
## 2.4.2 Slot 4



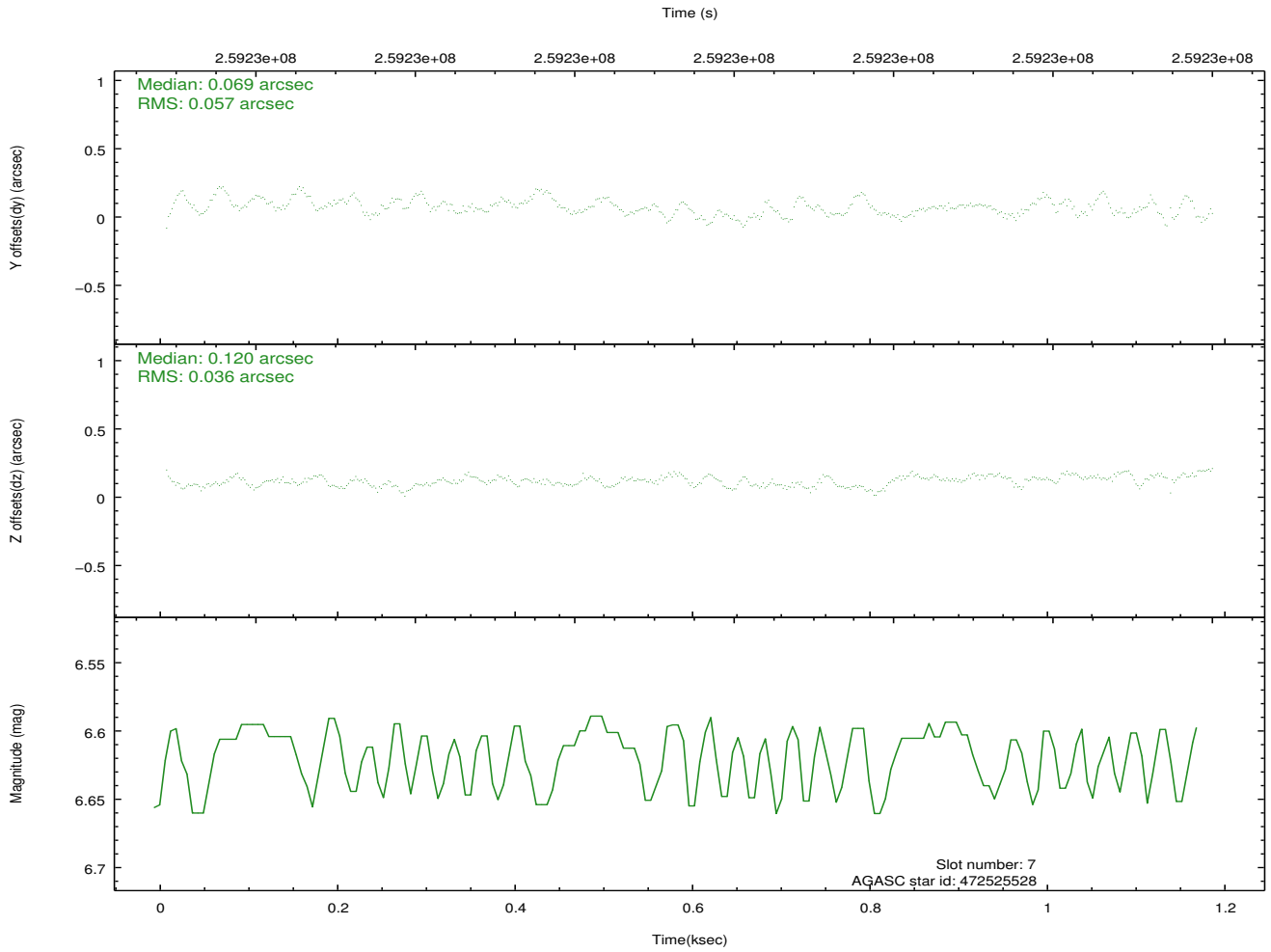
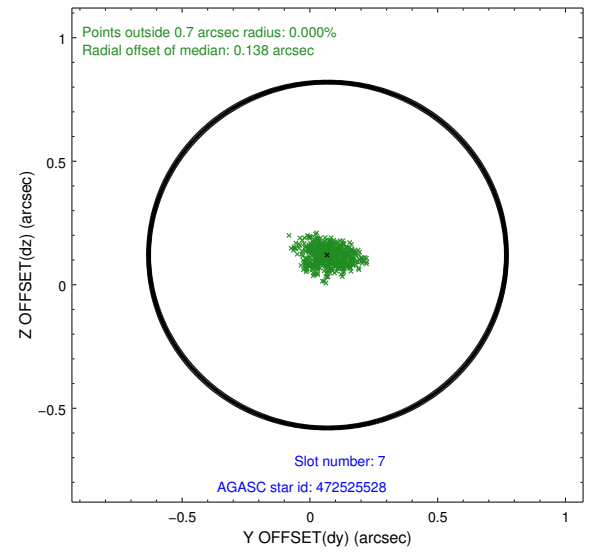
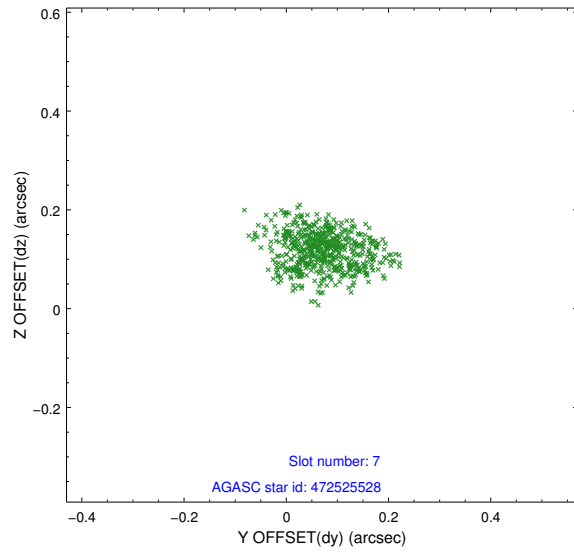
### 2.4.3 Slot 5



## 2.4.4 Slot 6

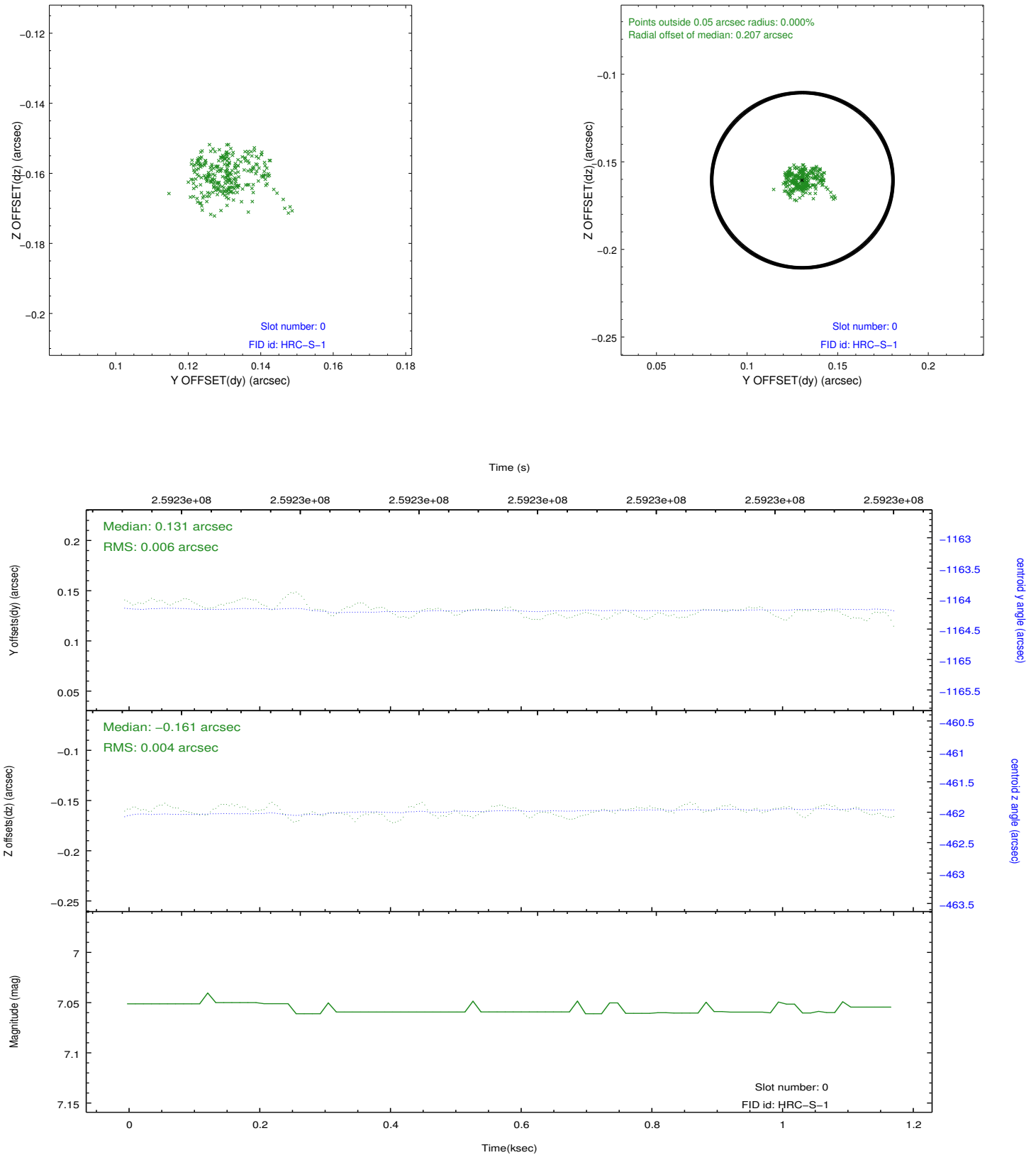


## 2.4.5 Slot 7

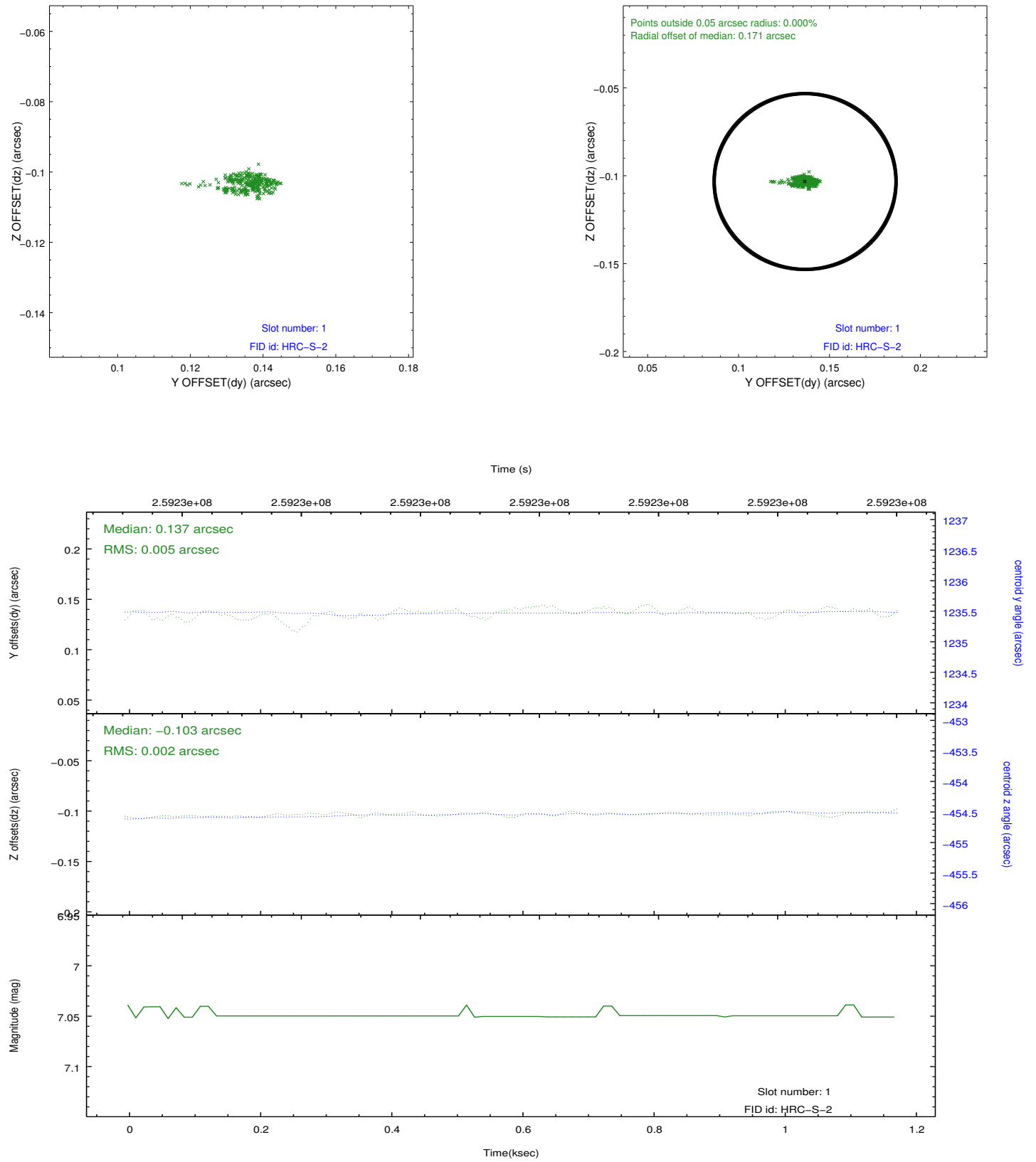


## 2.5 FID Slots

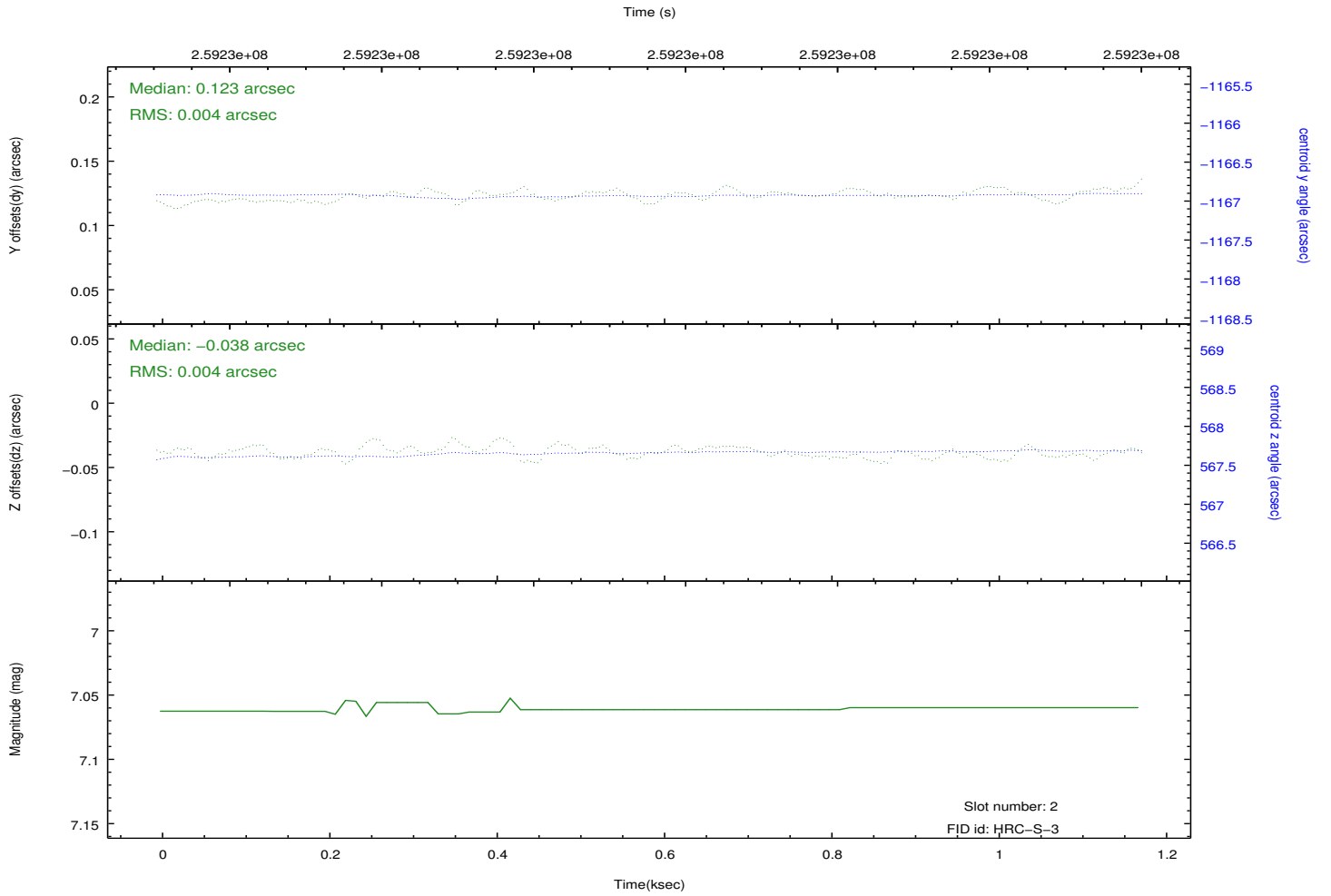
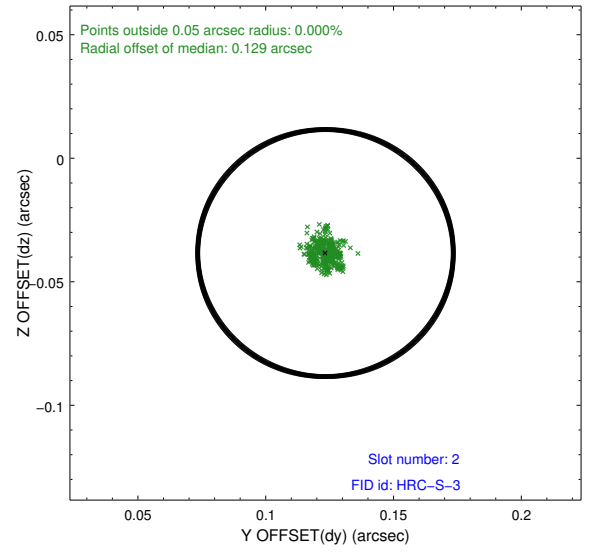
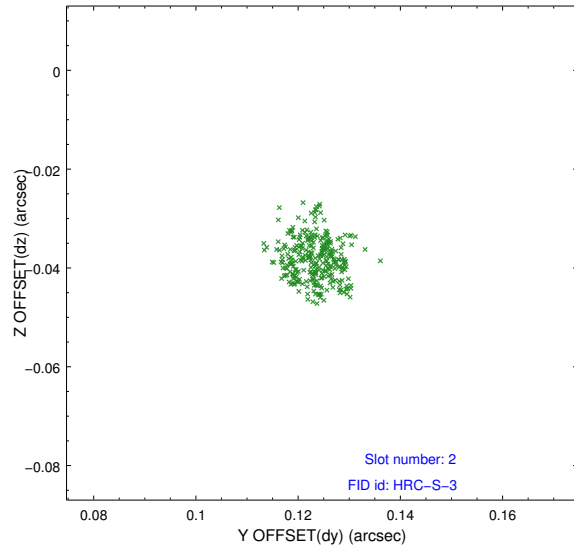
### 2.5.1 Slot 0



## 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)	2012.08.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1513313

### A.2 Comments