

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 6453 - L2 Version 3  
Chandra X-Ray Center

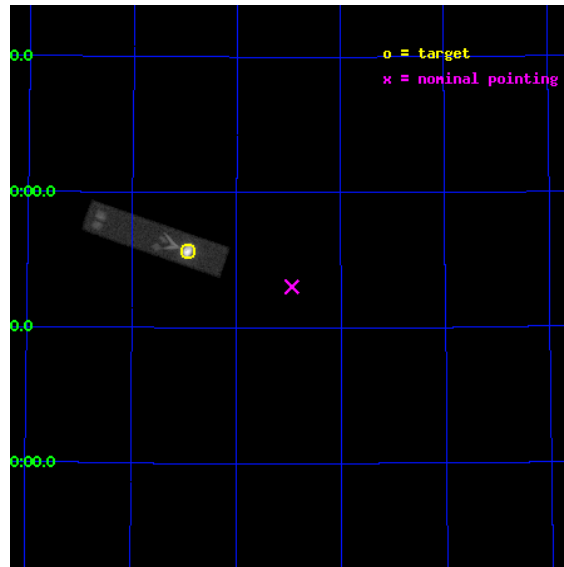
L2 Processing Date : Aug 10 2012

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# 1 Front

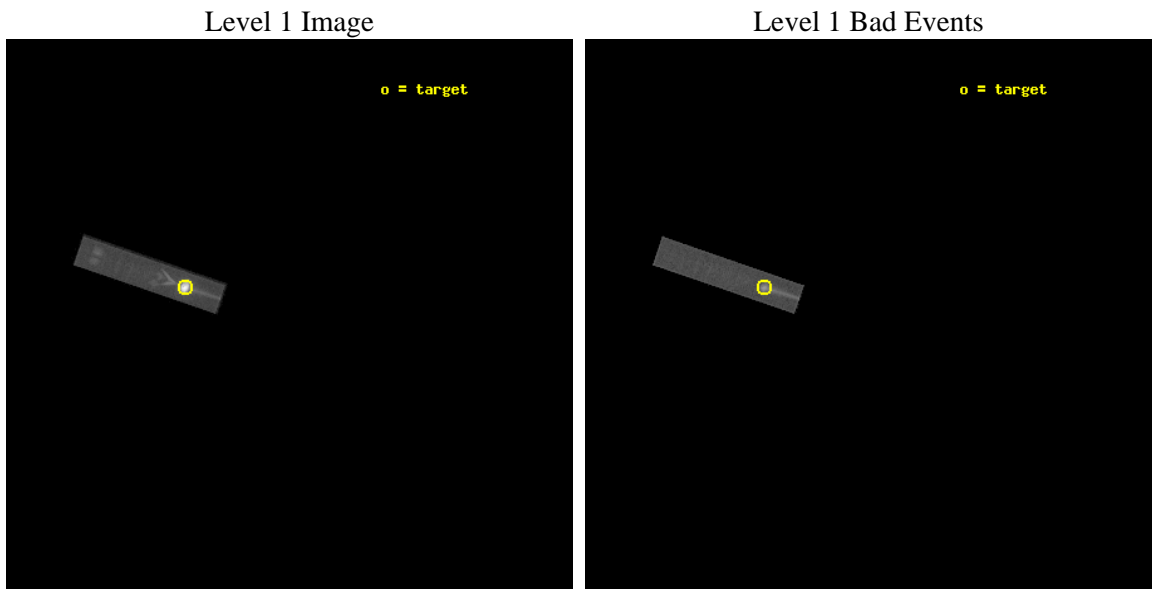
seq_num	290546	Sequence number
obs_id	6453	Observation id
title	AO7 Measurements of the optical/UV Transmission of the HRC and ACIS Filters.	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235	Observer's specified target RA [deg]
dec_targ	38.783778	Observer's specified target Dec [deg]
ra_nom	278.73455298149	Nominal RA [deg]
dec_nom	38.652449762537	Nominal Dec [deg]
roll_nom	18.838373642498	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2186.5813513696	[s]
livetime	856.04178015077	Ontime multiplied by DTCOR
l2events	389332	Number of level 2 events



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	2	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2186.5813513696	[s]
caldbver	4.5.1.1	&#160	l1events	518569	Number of level 1 events
date	2012-08-10T23:18:30	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

Level 1 Events

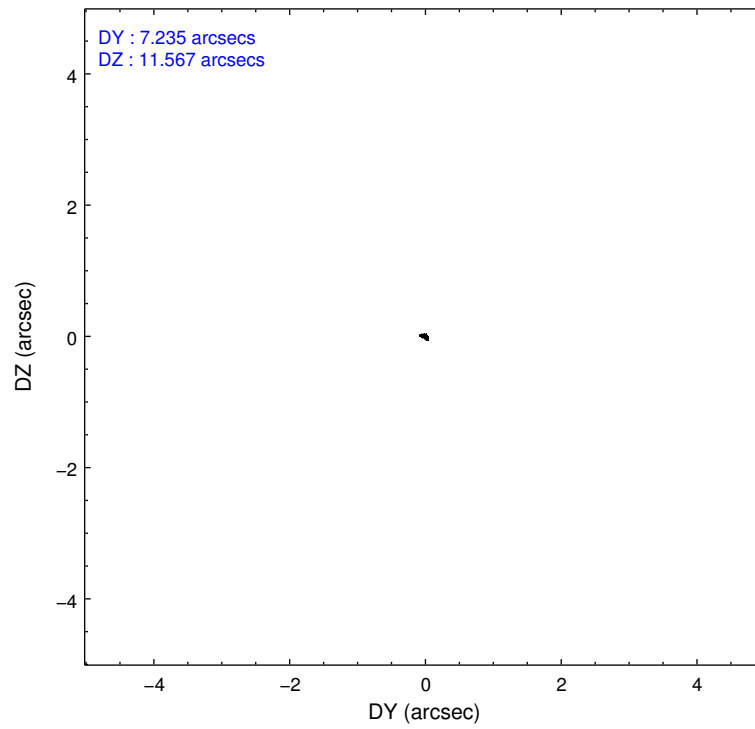
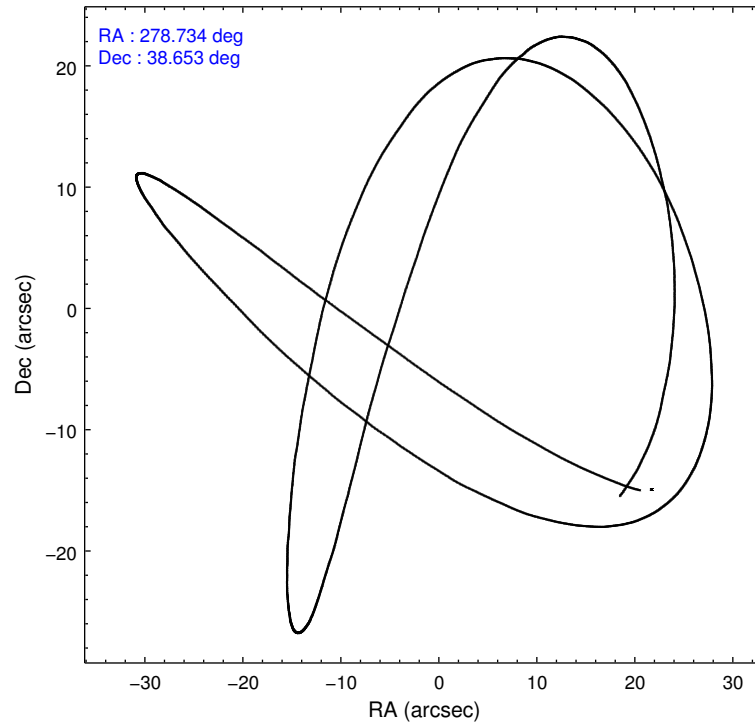
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	0	67	518502
rejected events	0	39	115347
rejected %	0%	58%	22%

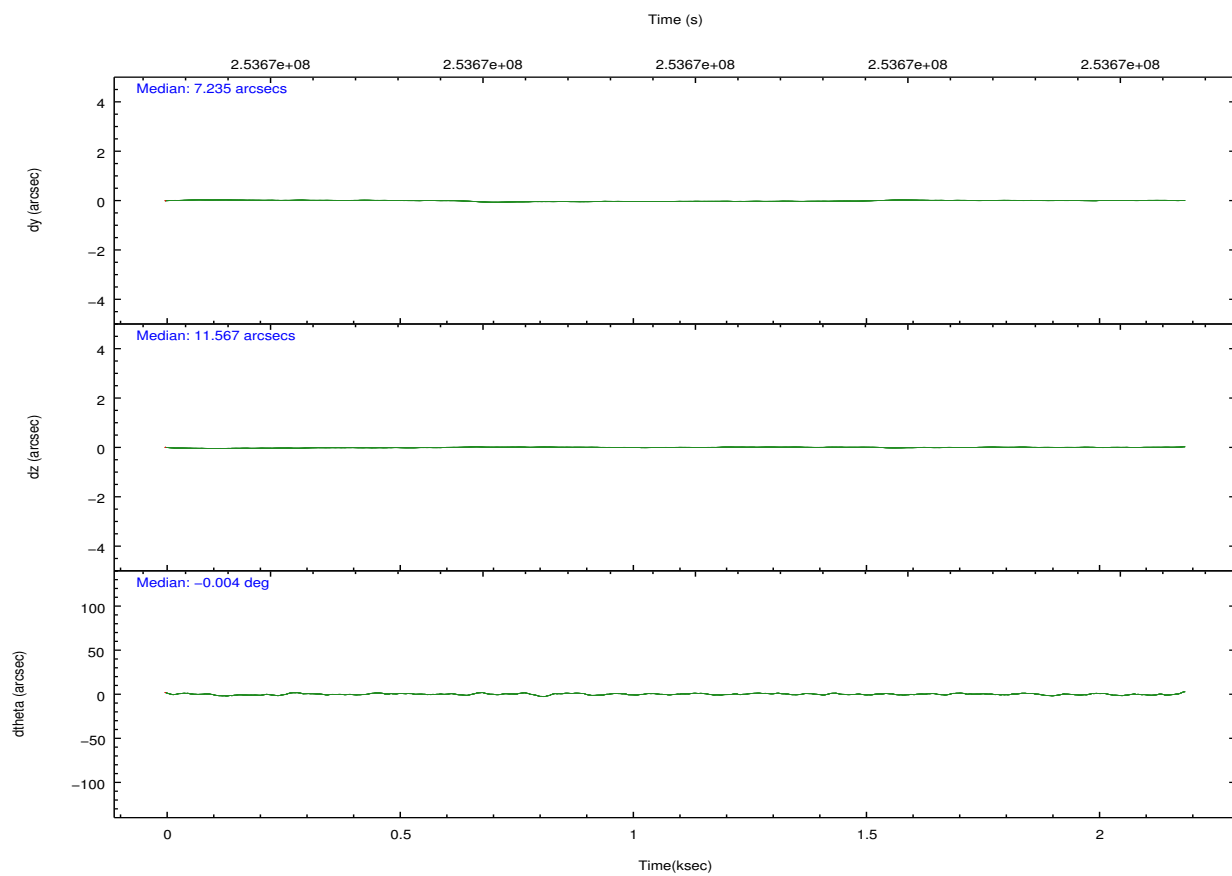
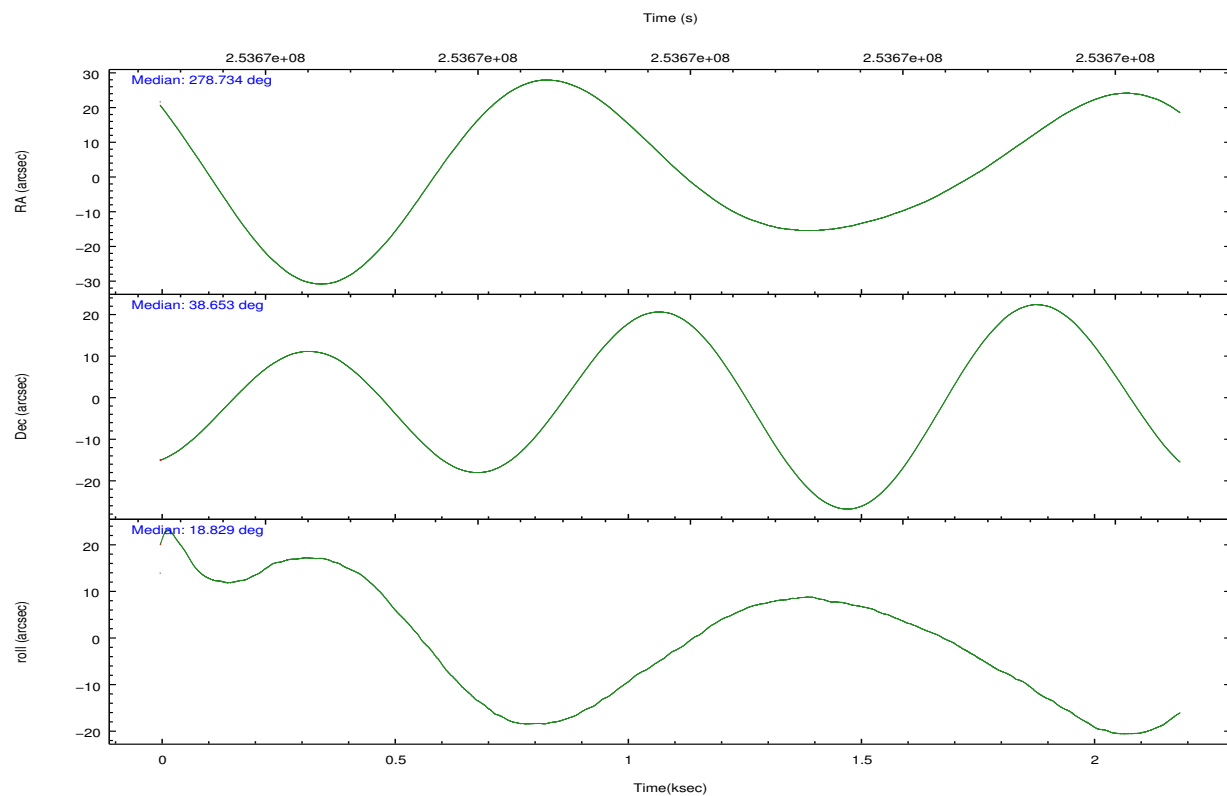
## 2.2 Compared Parameters

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	278.711944	278.7345529814882
[deg] Pointing Dec	38.629707	38.65244976253671
[deg] Pointing Roll	18.785004	18.83837364249793
[s] Window start time (MET)	247190464.184000	247190464.184000
[s] Window stop time (MET)	255052865.184000	255052865.184000
[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)	253667049.184000	253666669.23433
Observation start date	2006-01-14T23:03:04	2006-01-14T22:57:49
[s] Observation end time (MET)	253669049.184000	253670356.672
Observation end date	2006-01-14T23:36:24	2006-01-14T23:59:16

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

## 2.3 Aspect



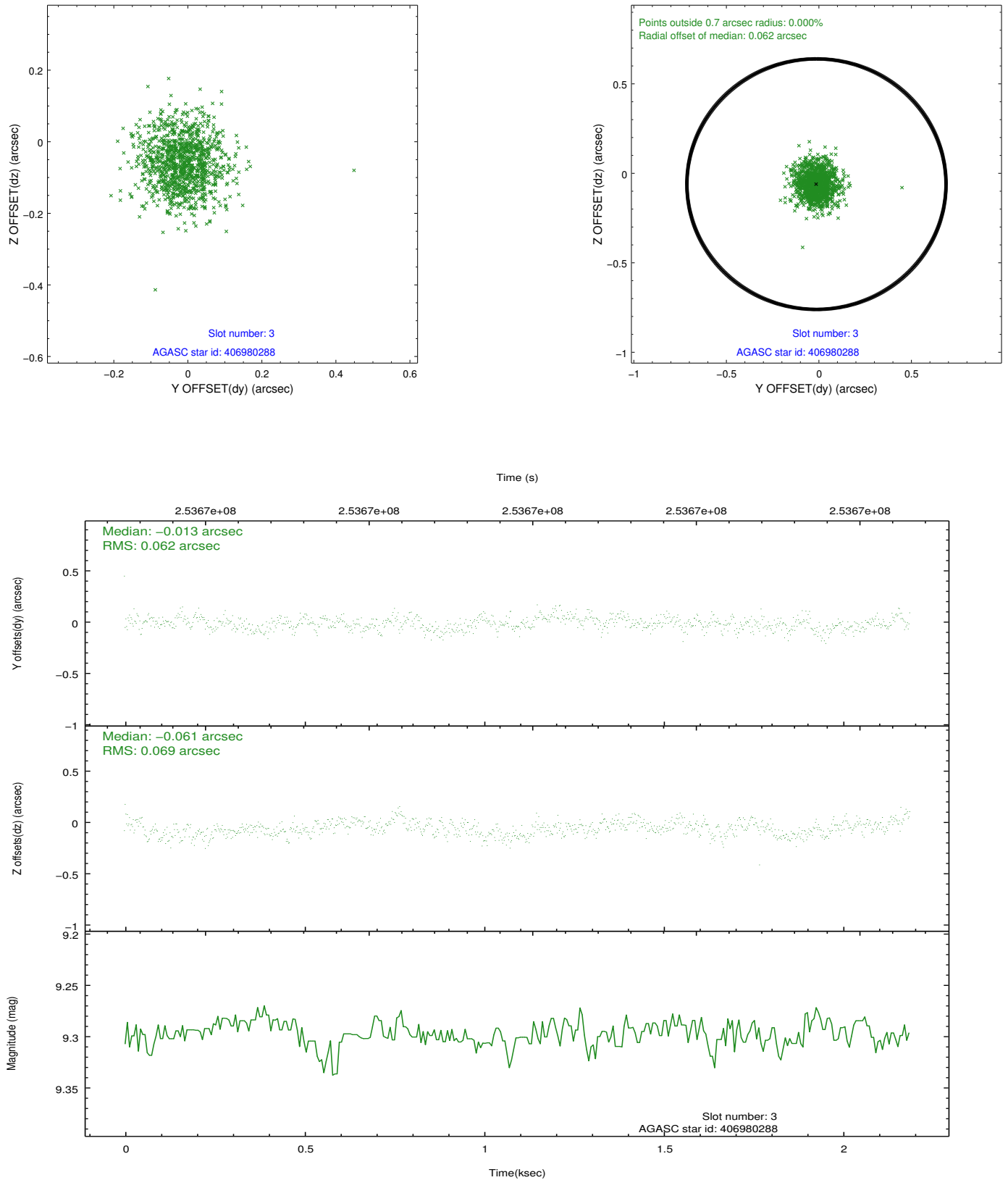


### Slot Statistics

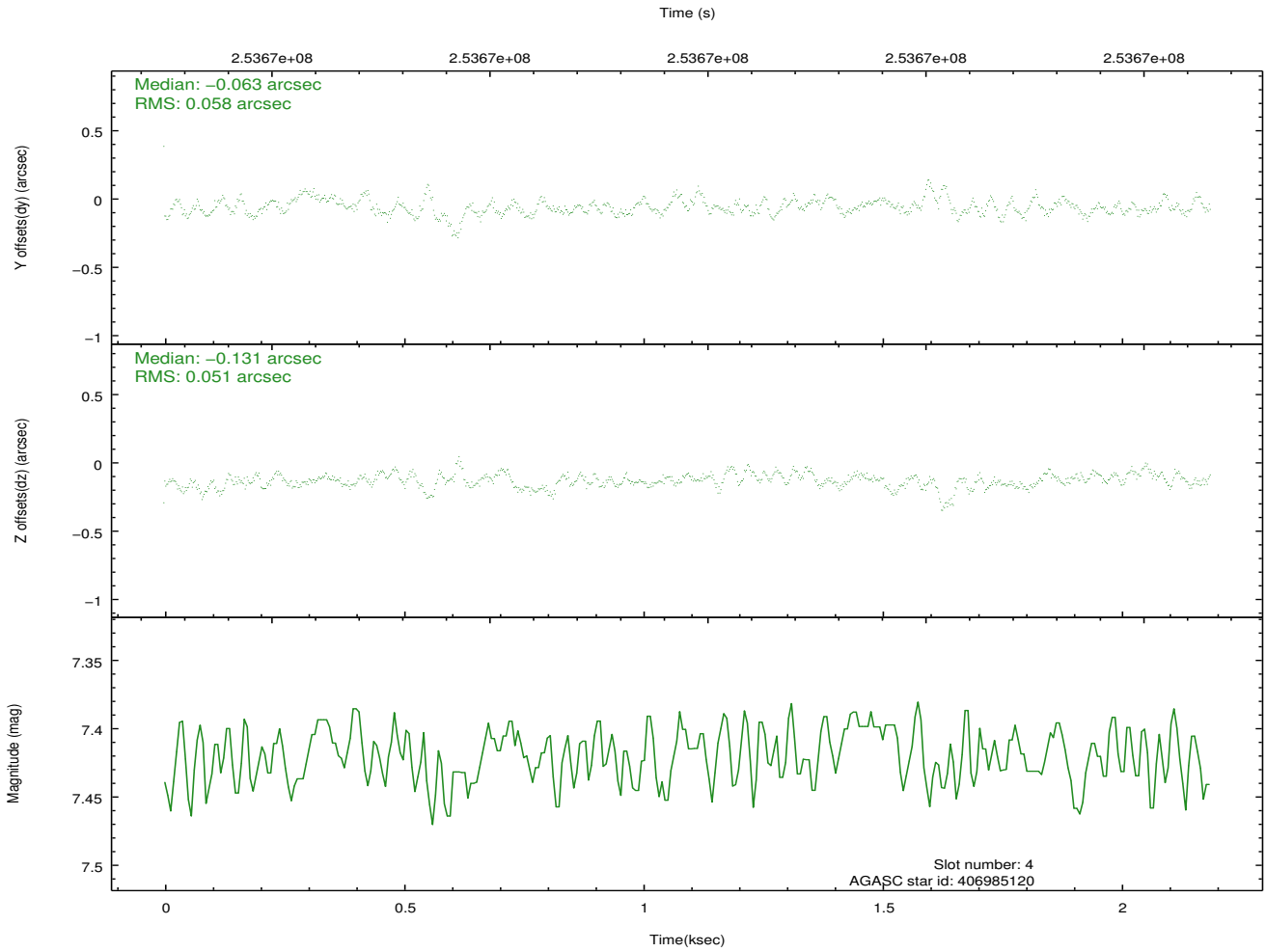
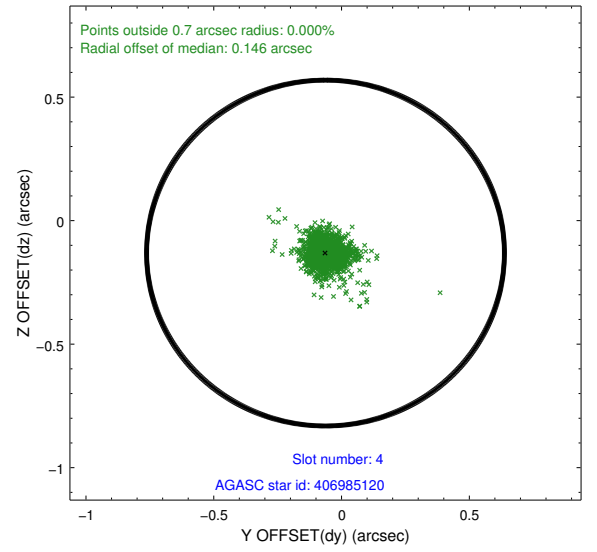
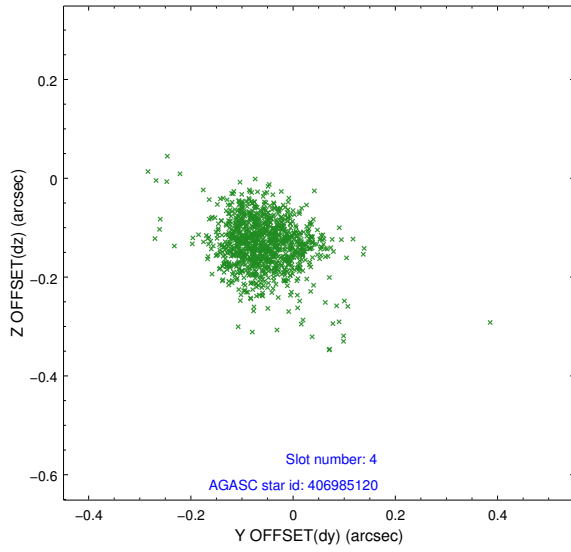
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.01	534	0.062	-0.131	0.004	0.009	0.000000	0.000000	-1161.42	-460.28
1	FID	HRC-S-2	7.01	534	0.139	-0.160	0.009	0.015	0.000000	0.000000	1236.14	-453.77
2	FID	HRC-S-4	6.97	534	0.203	-0.012	0.008	0.013	0.000000	0.000000	1239.25	571.11
3	GUIDE	406980288	9.30	1068	-0.013	-0.061	0.099	0.158	278.903147	39.061646	1008.28	1300.80
4	GUIDE	406985120	7.42	1068	-0.063	-0.131	0.076	0.129	278.839732	38.894839	647.37	788.79
5	GUIDE	406987272	6.94	1068	0.008	0.024	0.059	0.091	278.536588	38.437504	-689.98	-495.37
6	GUIDE	406987384	8.96	1068	0.073	0.102	0.086	0.138	278.815518	38.115336	-318.59	-1848.80
7	GUIDE	406993992	7.63	1067	-0.012	0.065	0.071	0.110	279.053714	38.034587	228.66	-2341.49

## 2.4 Star Slots

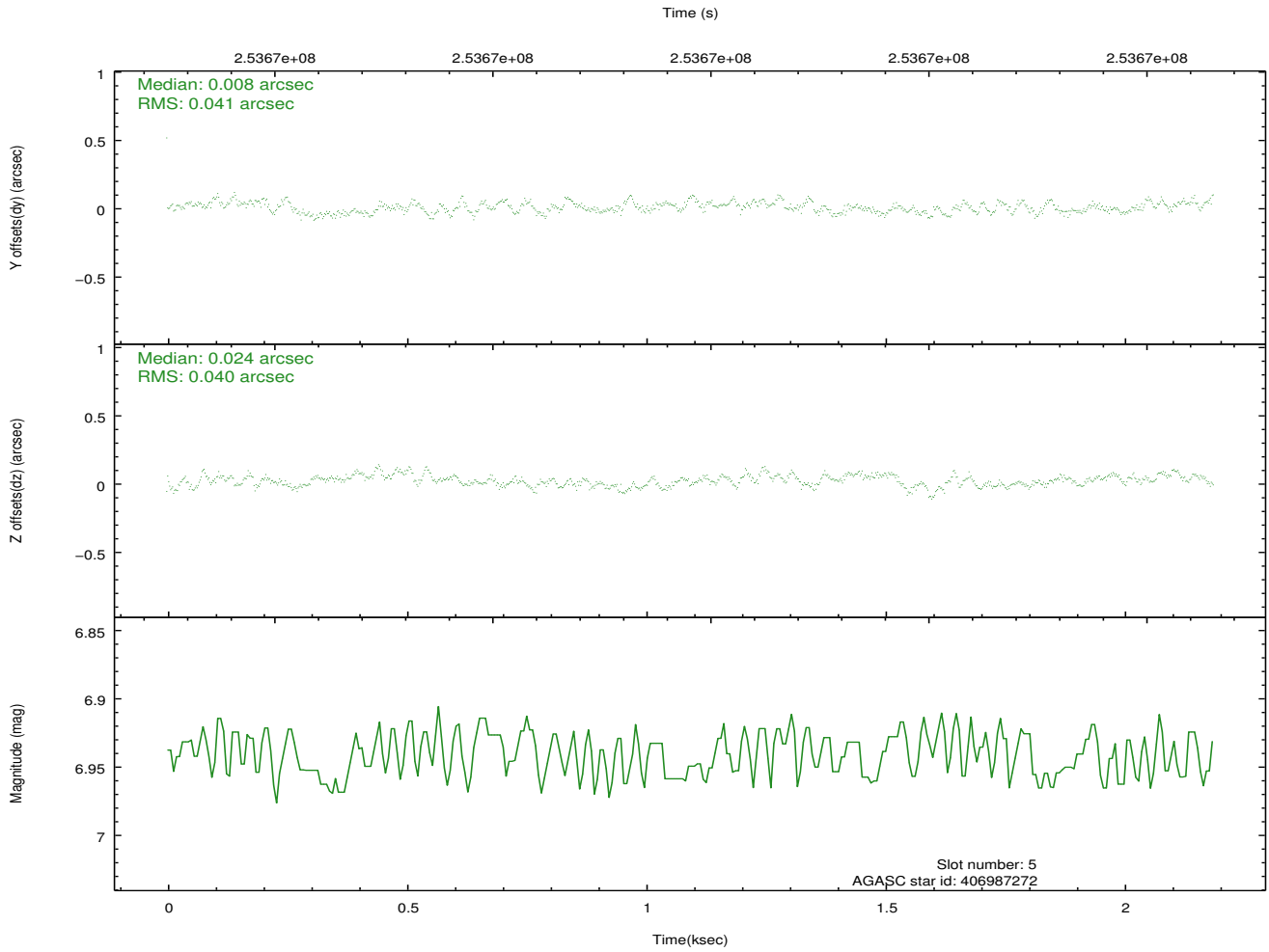
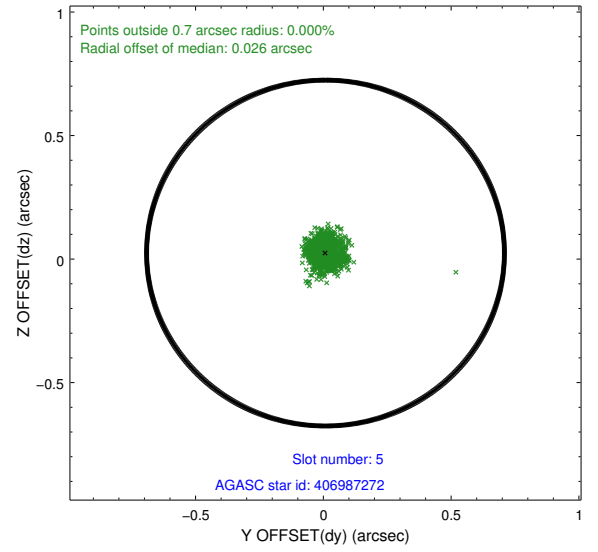
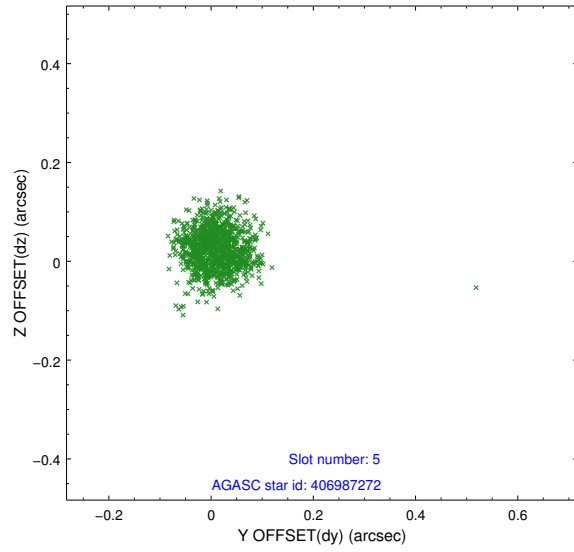
### 2.4.1 Slot 3



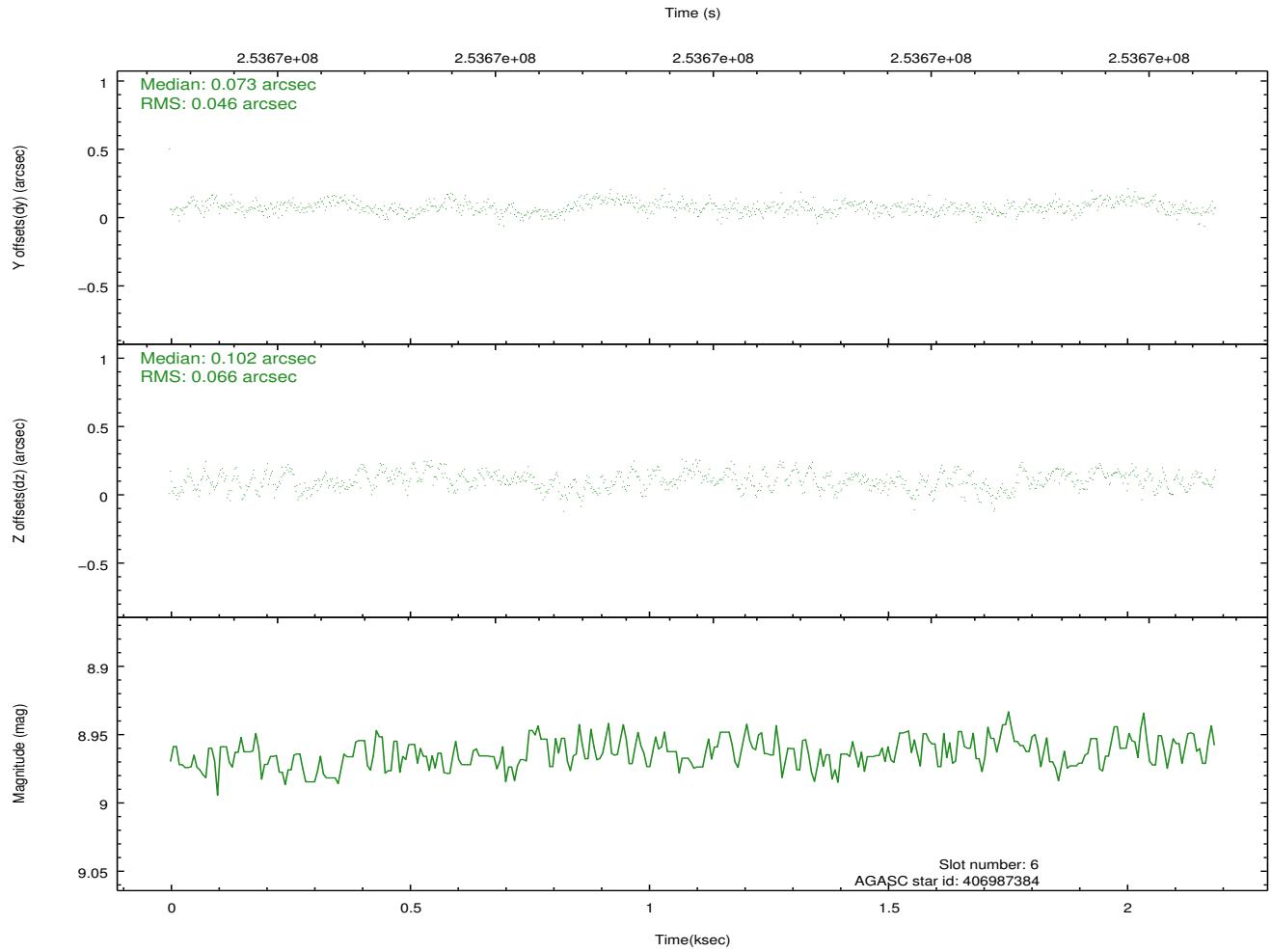
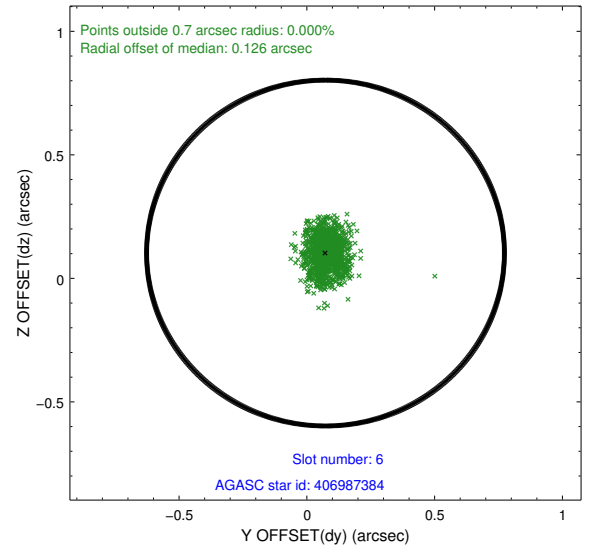
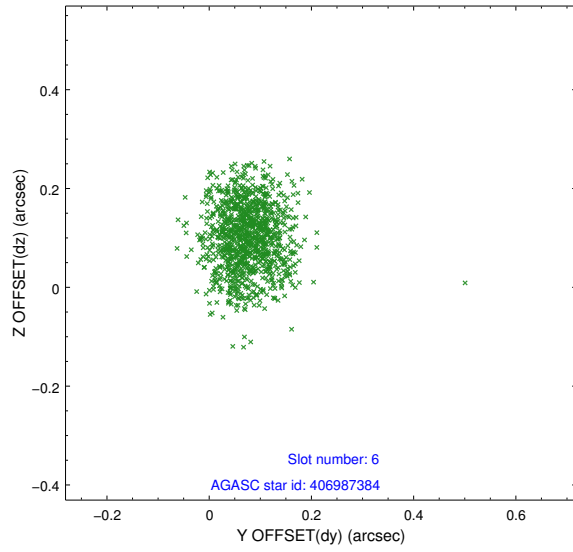
## 2.4.2 Slot 4



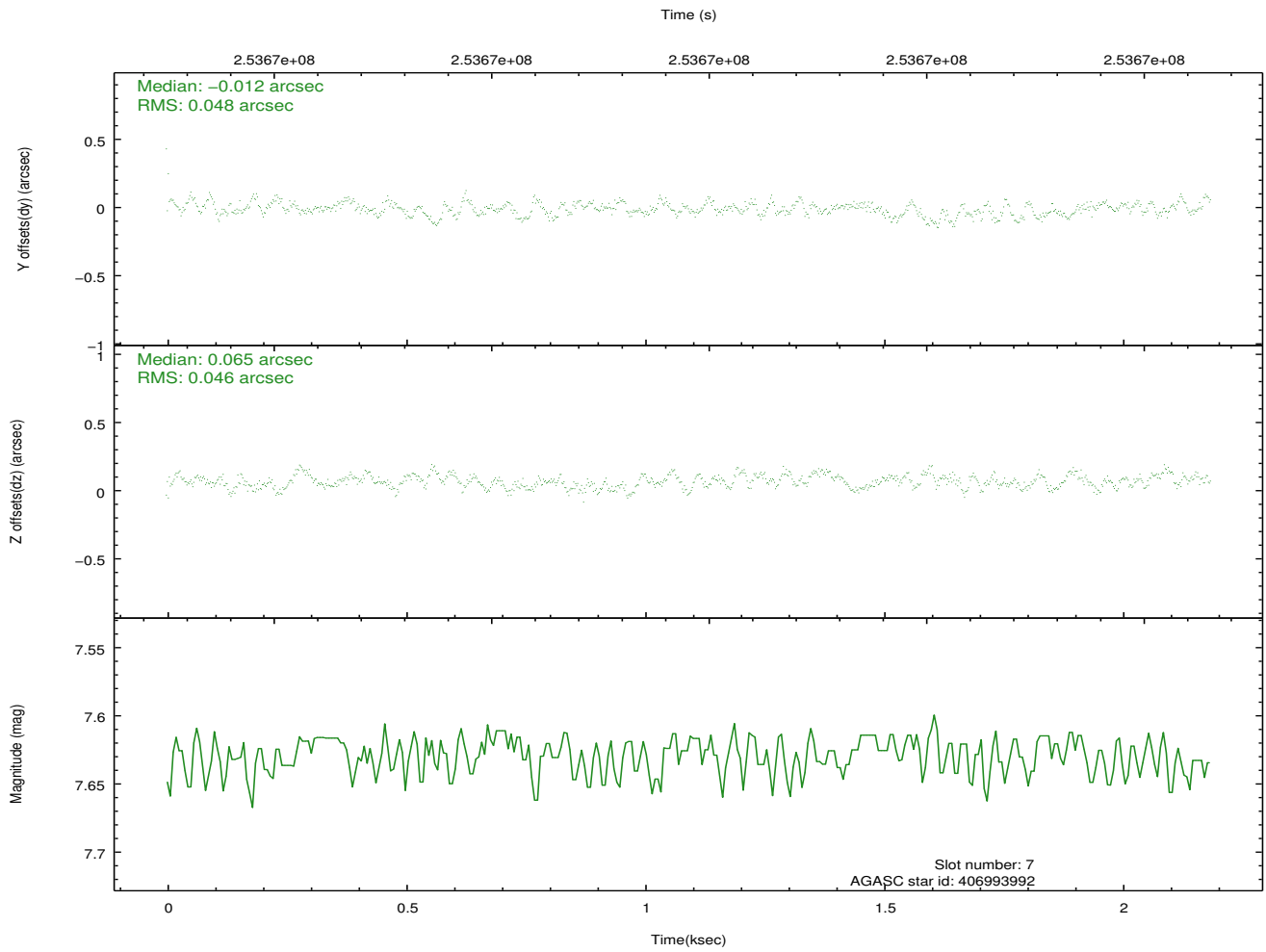
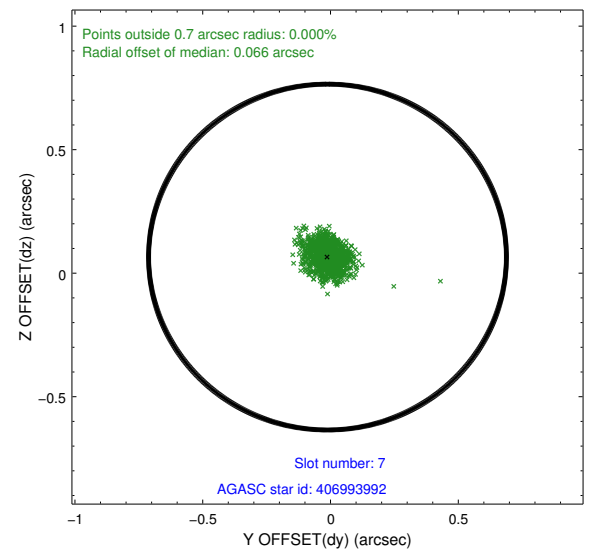
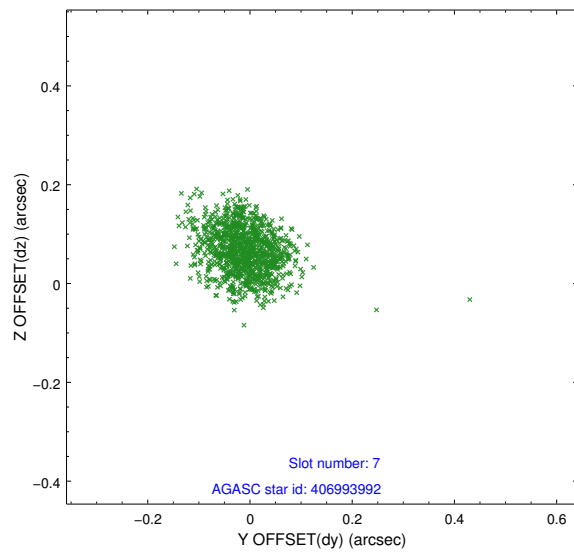
### 2.4.3 Slot 5



## 2.4.4 Slot 6

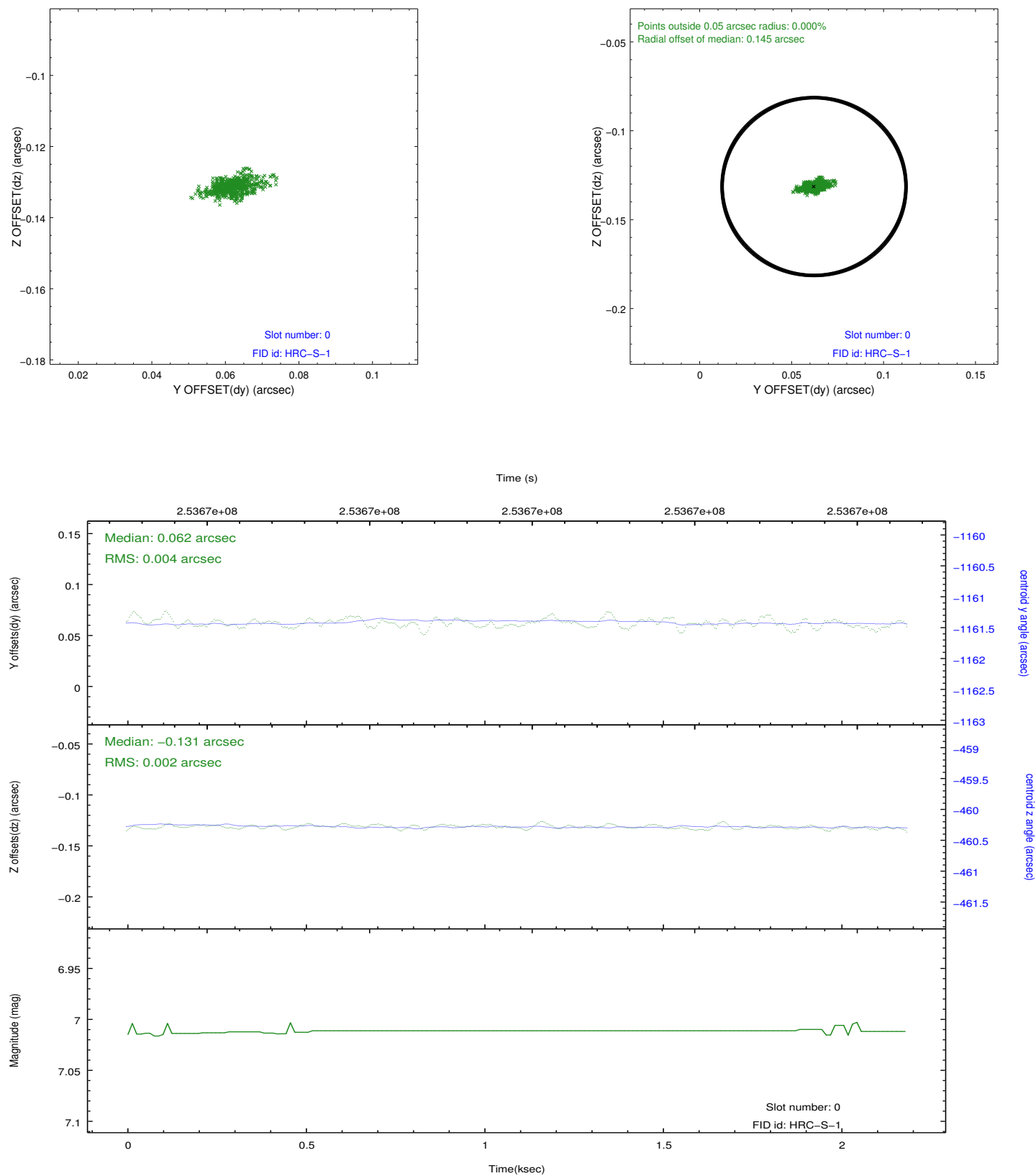


## 2.4.5 Slot 7

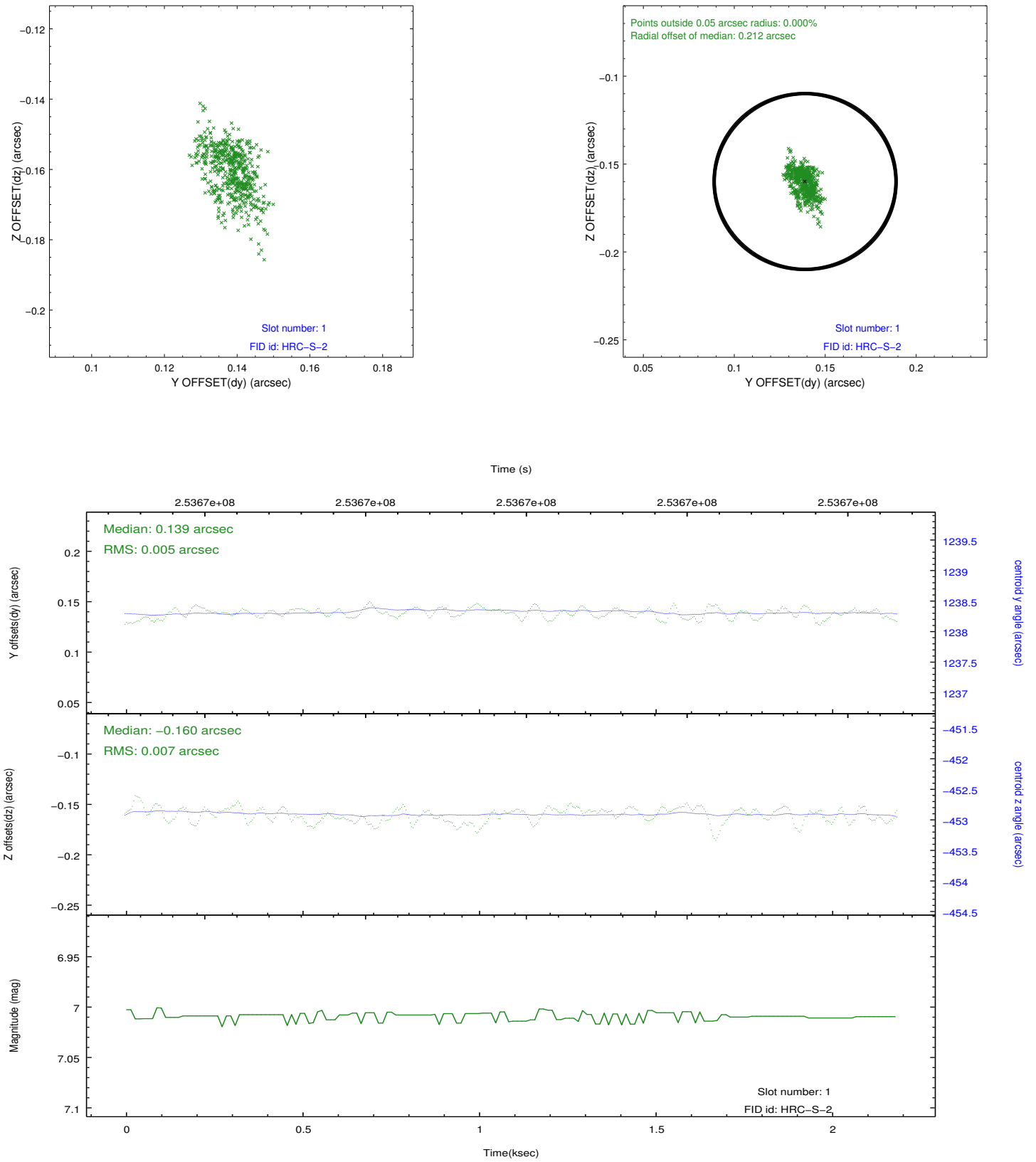


## 2.5 FID Slots

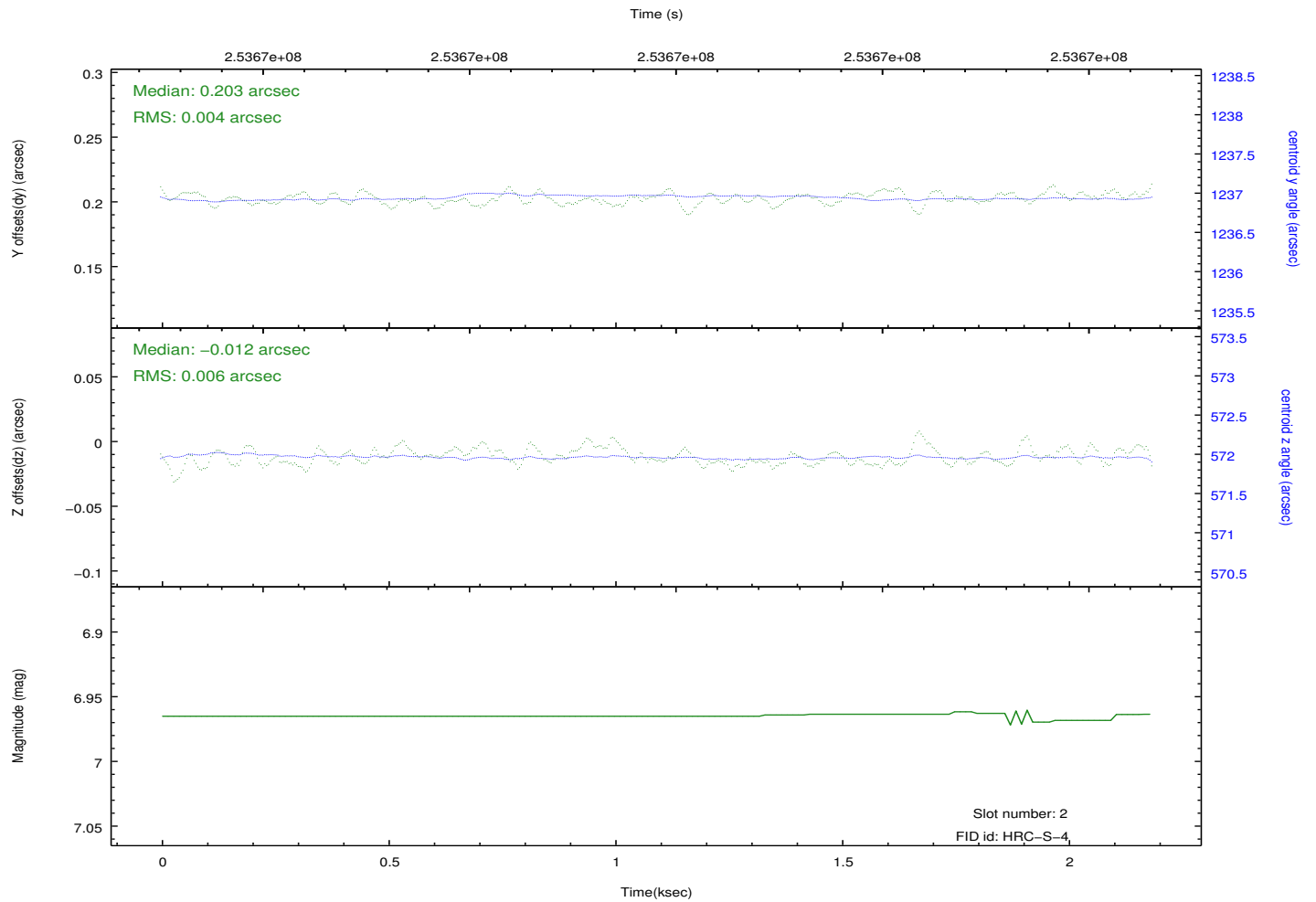
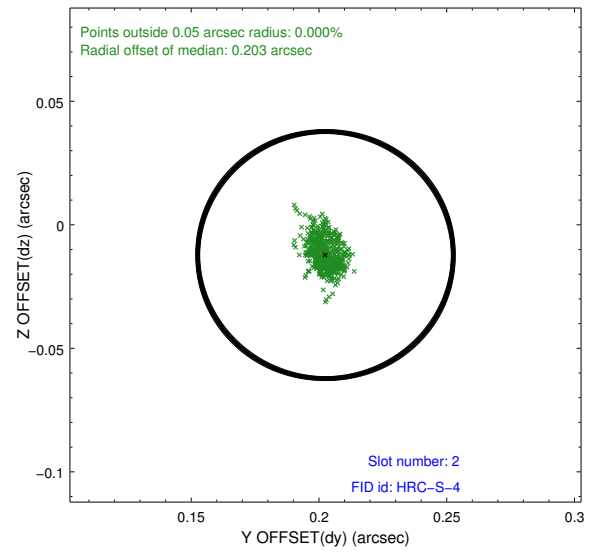
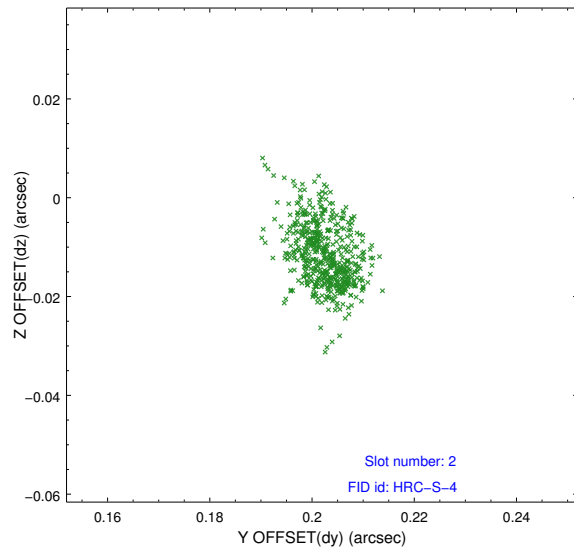
### 2.5.1 Slot 0



## 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)	2012.08.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.18658135

### A.2 Comments

Source is far off-axis, causing internal reflections to fall on the detector. Window constraint met.