

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 10616 - L2 Version 3  
Chandra X-Ray Center

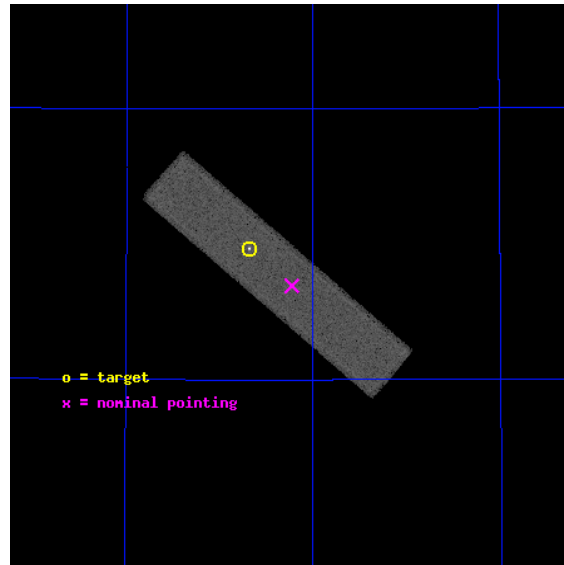
L2 Processing Date : Aug 13 2012

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# 1 Front

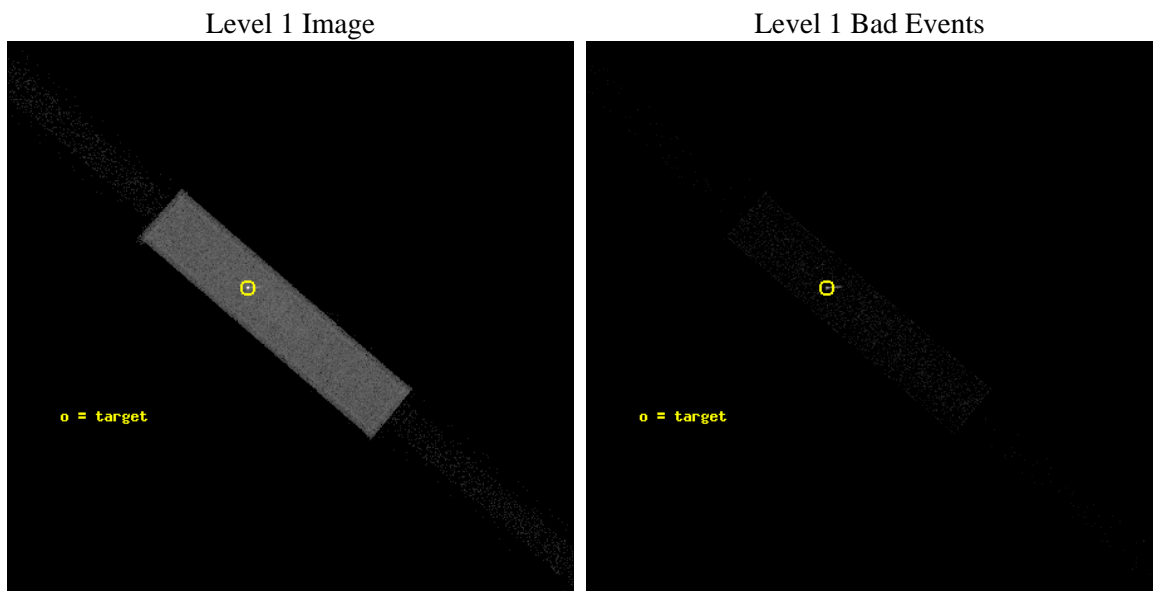
seq_num	290852	Sequence number
obs_id	10616	Observation id
title	AO-10 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.05583239473	Nominal RA [deg]
dec_nom	45.673660576082	Nominal Dec [deg]
roll_nom	220.55361137381	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1182.0813092589	[s]
livetime	1170.5396255946	Ontime multiplied by DTCOR
l2events	83776	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	1182.0813092589	[s]
caldsver	4.5.1.1	&#160	l1events	128366	Number of level 1 events
date	2012-08-13T16:25:03	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

Level 1 Events

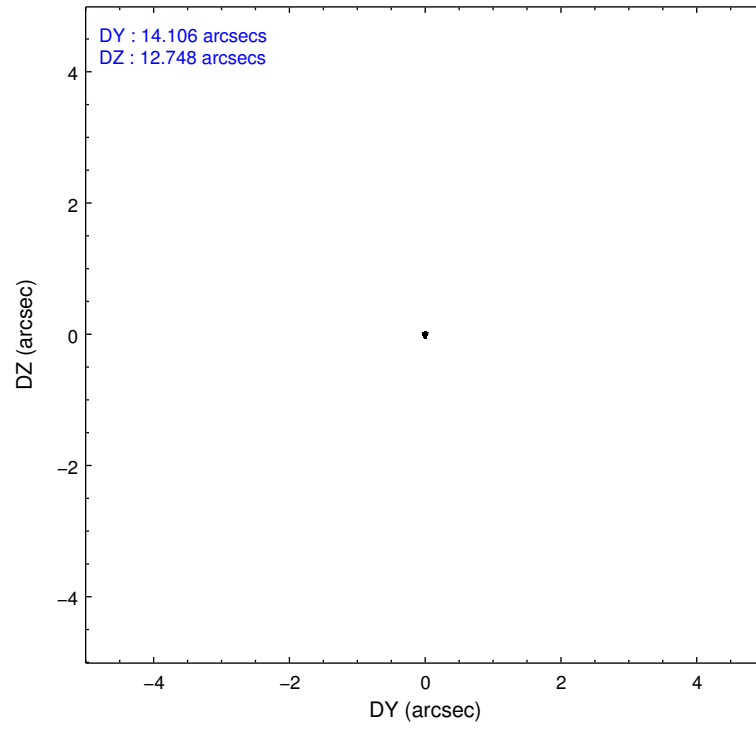
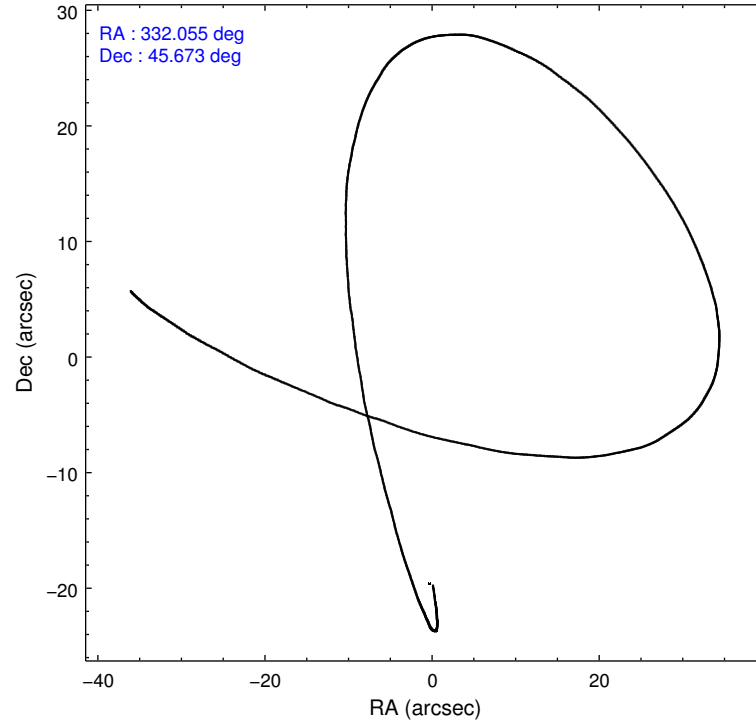
	segment 1	segment 2	segment 3
level 1 events	1188	126040	1138
rejected events	1188	26577	1138
rejected %	100%	21%	100%

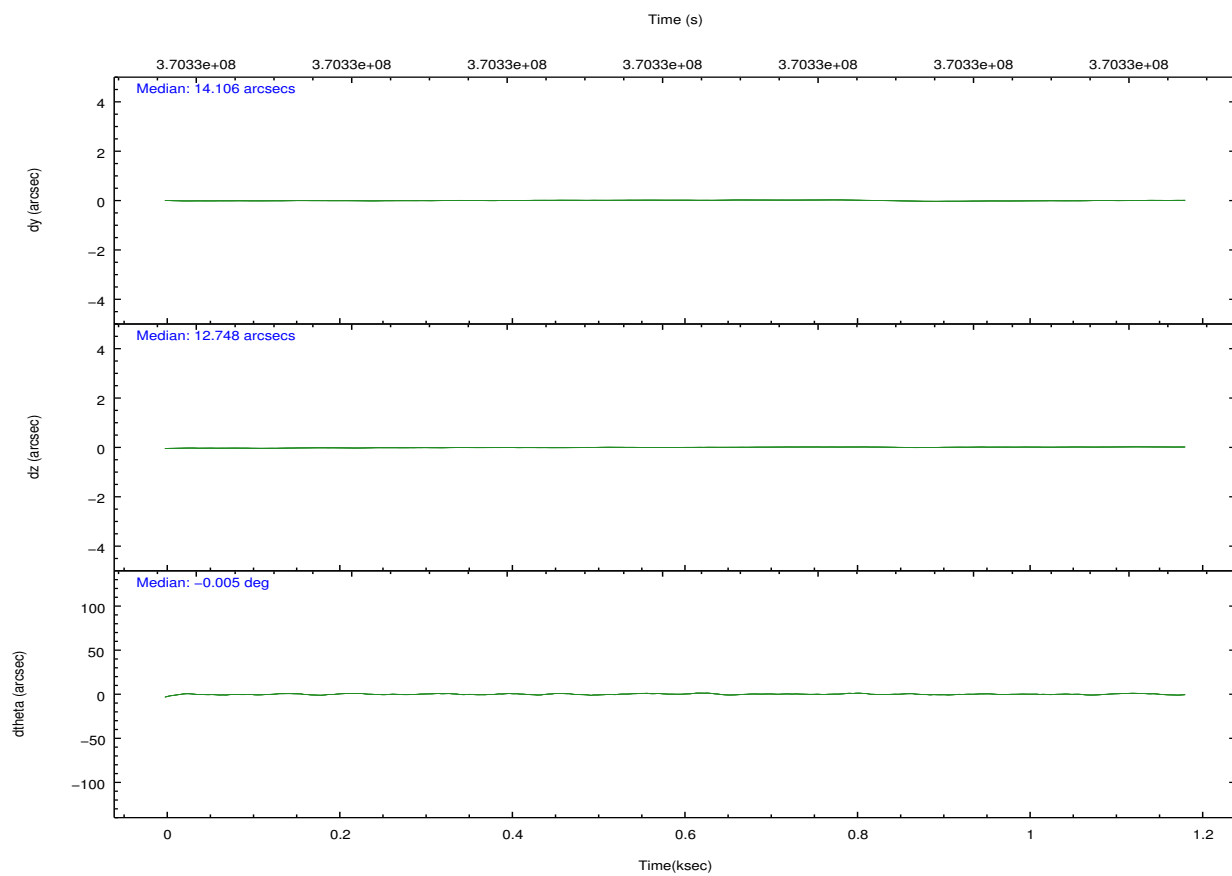
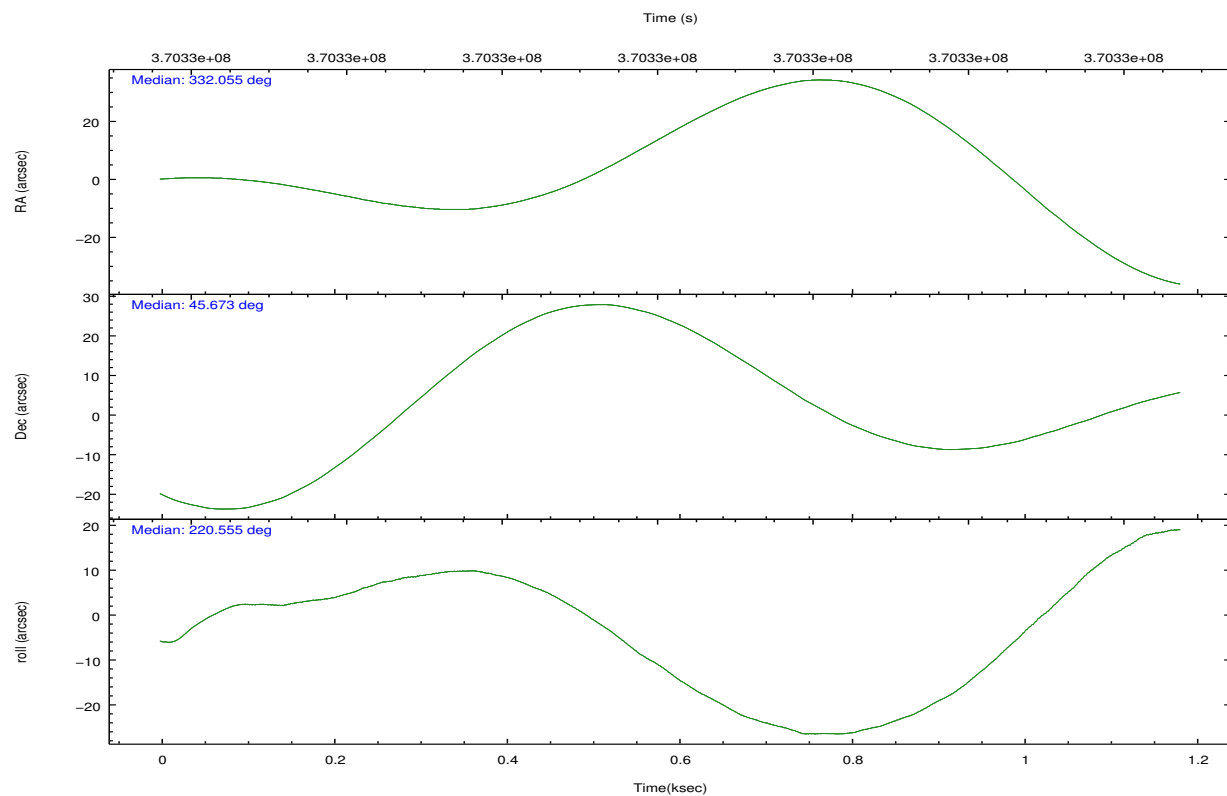
## 2.2 Compared Parameters

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	332.067506	332.0558323947335
[deg] Pointing Dec	45.701906	45.67366057608241
[deg] Pointing Roll	220.477885	220.5536113738059
[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)	370328403.184000	370328026.97762
Observation start date	2009-09-26T04:58:57	2009-09-26T04:53:46
[s] Observation end time (MET)	370329403.184000	370329537.31519
Observation end date	2009-09-26T05:15:37	2009-09-26T05:18:57

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

## 2.3 Aspect





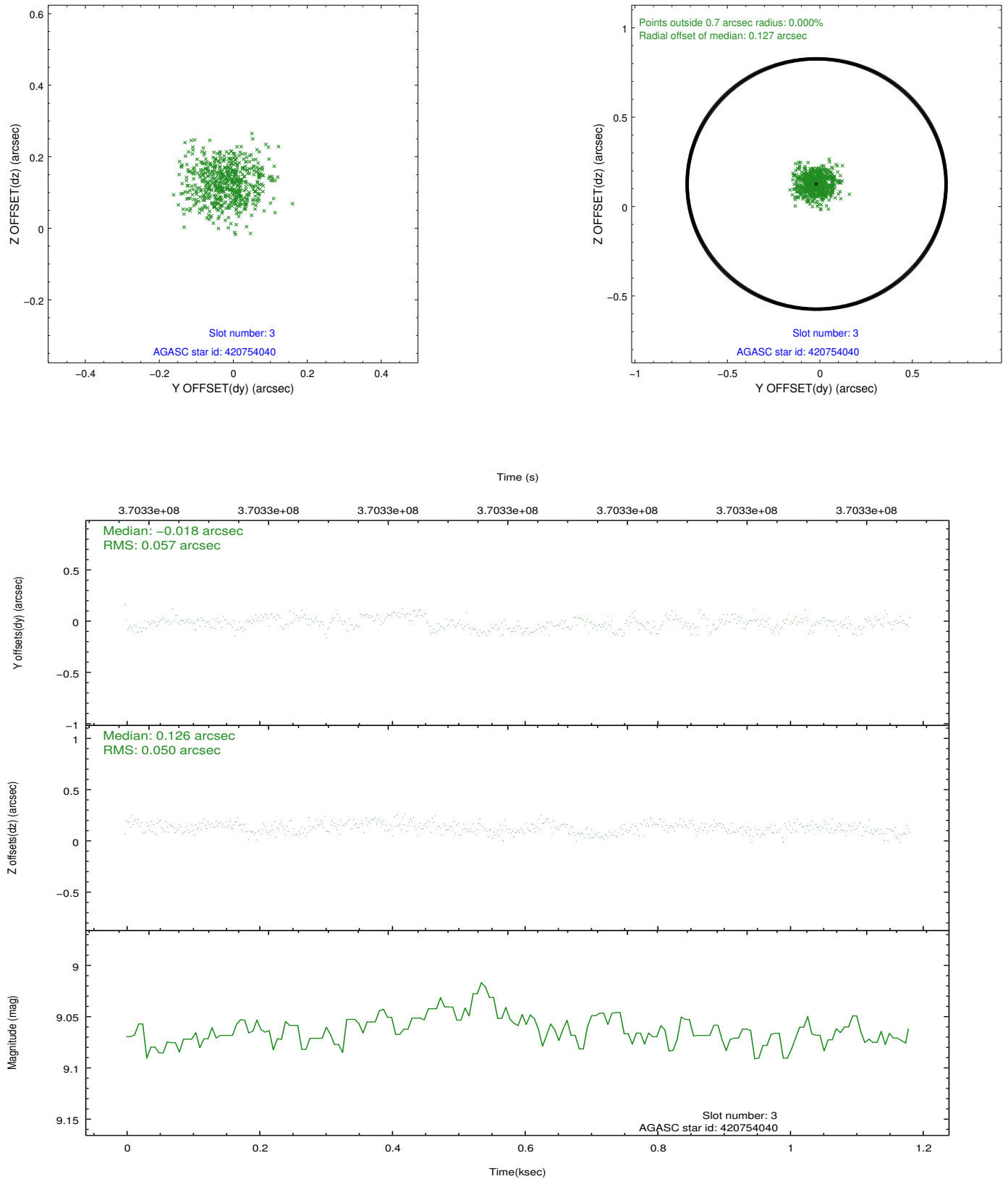
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.00	289	0.068	-0.135	0.007	0.011	0.000000	0.000000	-1168.48	-461.53
1	FID	HRC-S-2	6.97	289	0.211	-0.108	0.006	0.009	0.000000	0.000000	1227.27	-455.69
2	FID	HRC-S-3	6.99	289	0.111	-0.059	0.006	0.010	0.000000	0.000000	-1166.94	566.49
3	GUIDE	420754040	9.07	578	-0.018	0.126	0.084	0.131	331.917939	44.882543	2202.54	1994.49
4	GUIDE	472523760	8.23	578	0.093	-0.068	0.072	0.120	331.645363	45.403260	1510.51	124.45
5	GUIDE	472533912	9.15	578	-0.016	0.166	0.132	0.204	331.791136	46.368695	-1035.50	-2274.02
6	GUIDE	472651904	6.11	578	-0.109	-0.231	0.082	0.142	332.170077	45.742257	-293.47	49.89
7	GUIDE	472655152	9.42	576	0.048	0.023	0.119	0.209	332.504239	45.862991	-1212.89	265.65

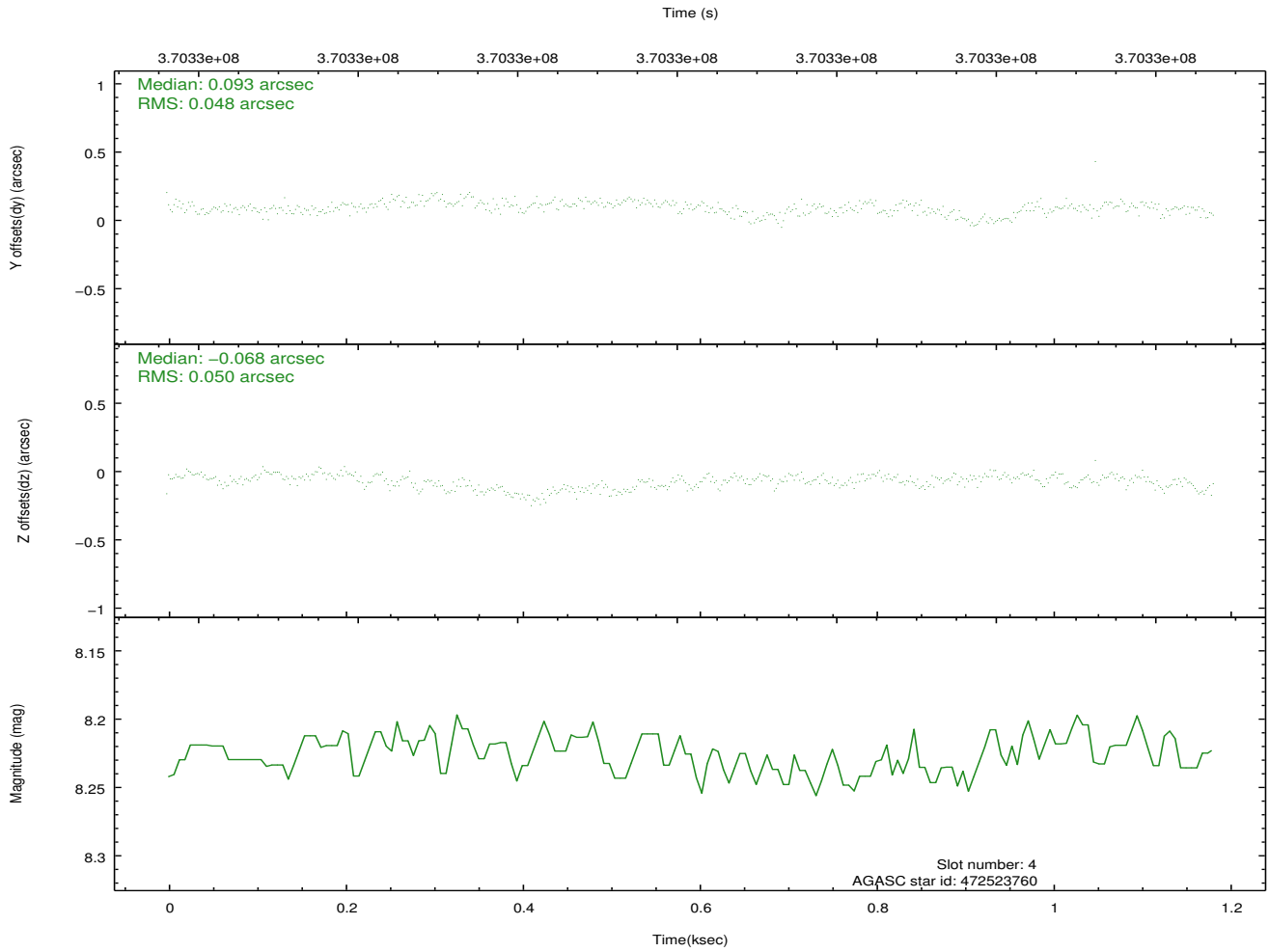
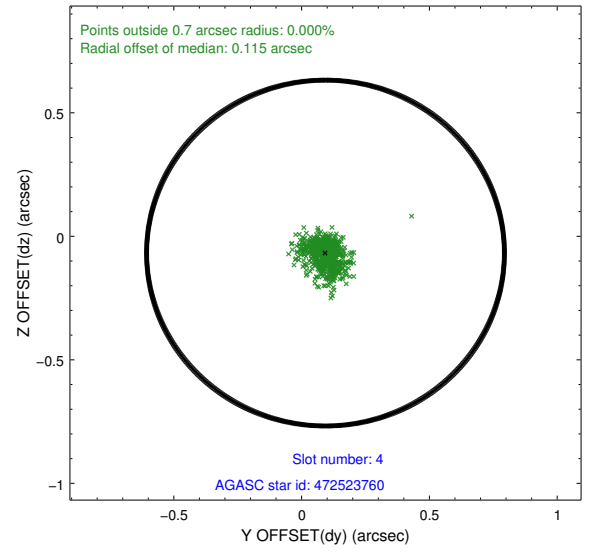
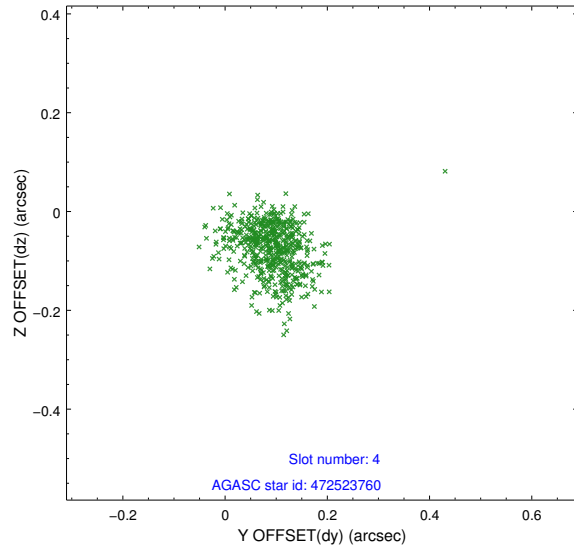


## 2.4 Star Slots

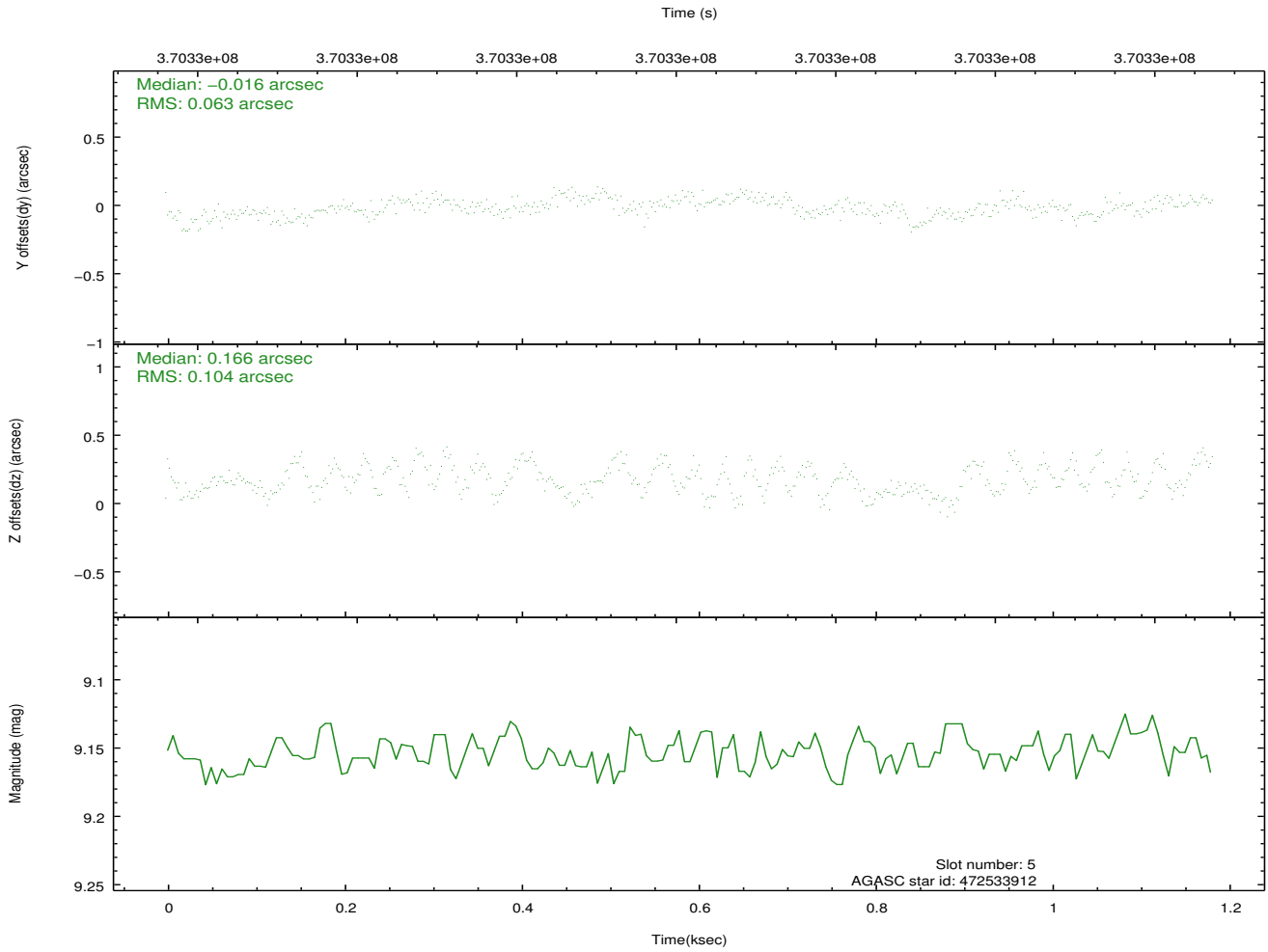
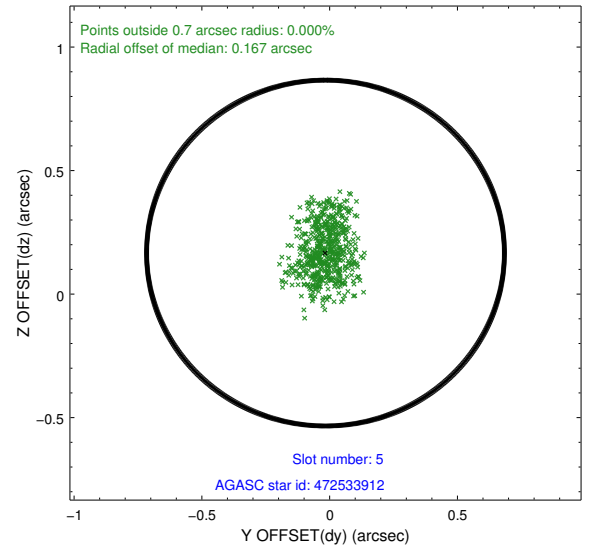
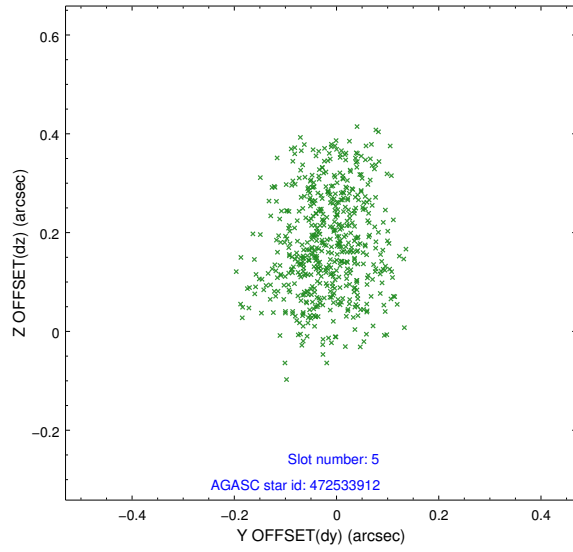
### 2.4.1 Slot 3



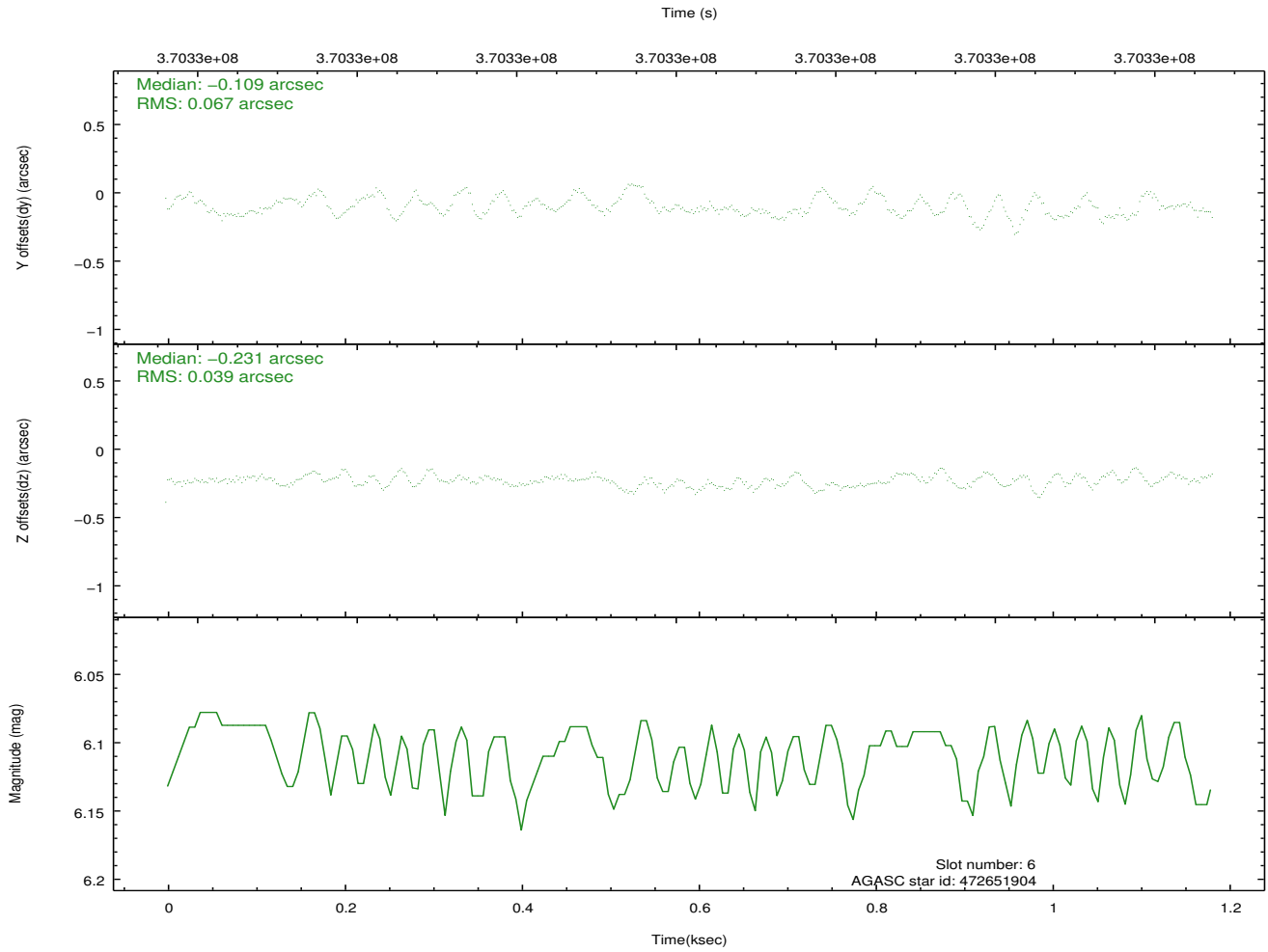
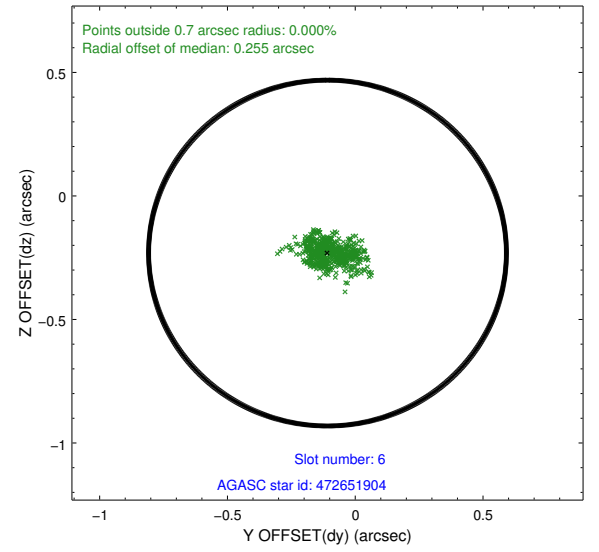
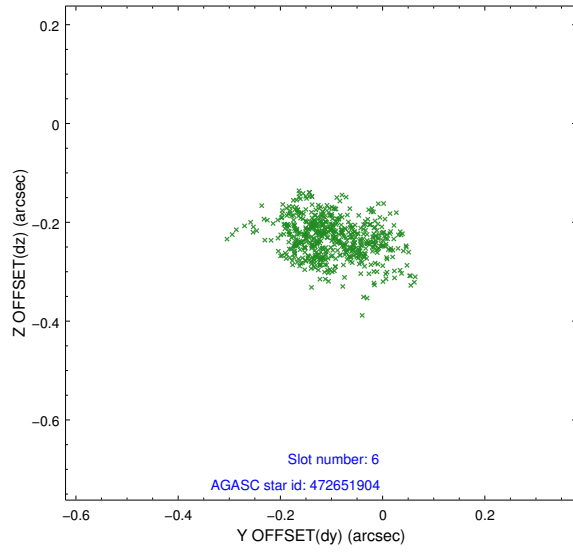
## 2.4.2 Slot 4



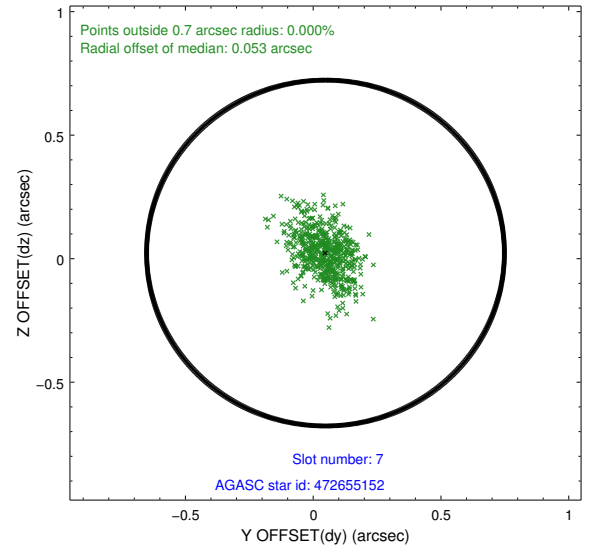
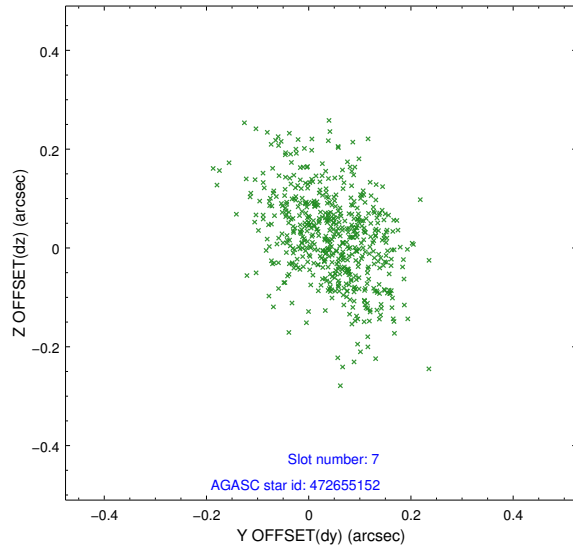
### 2.4.3 Slot 5



## 2.4.4 Slot 6

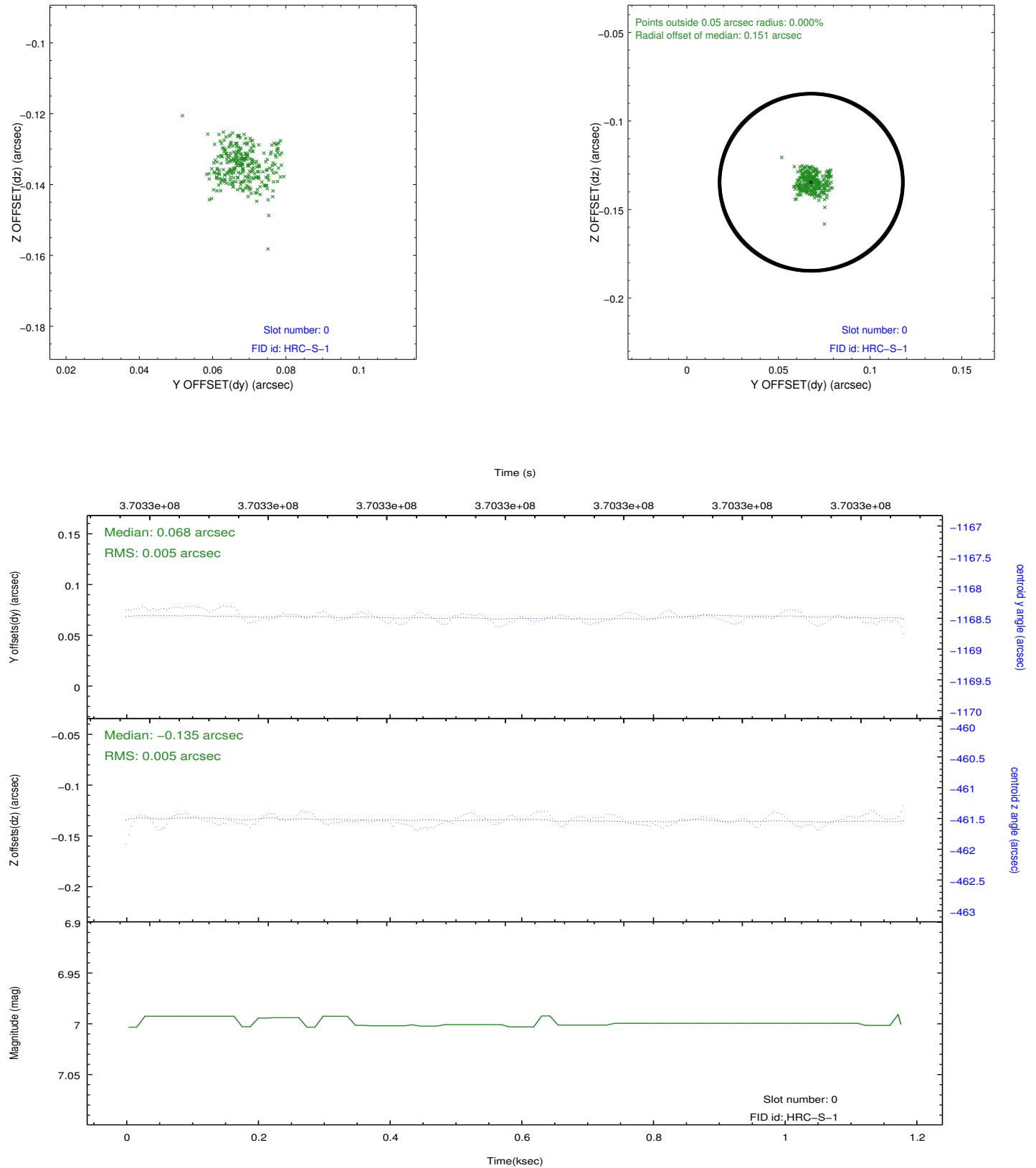


## 2.4.5 Slot 7

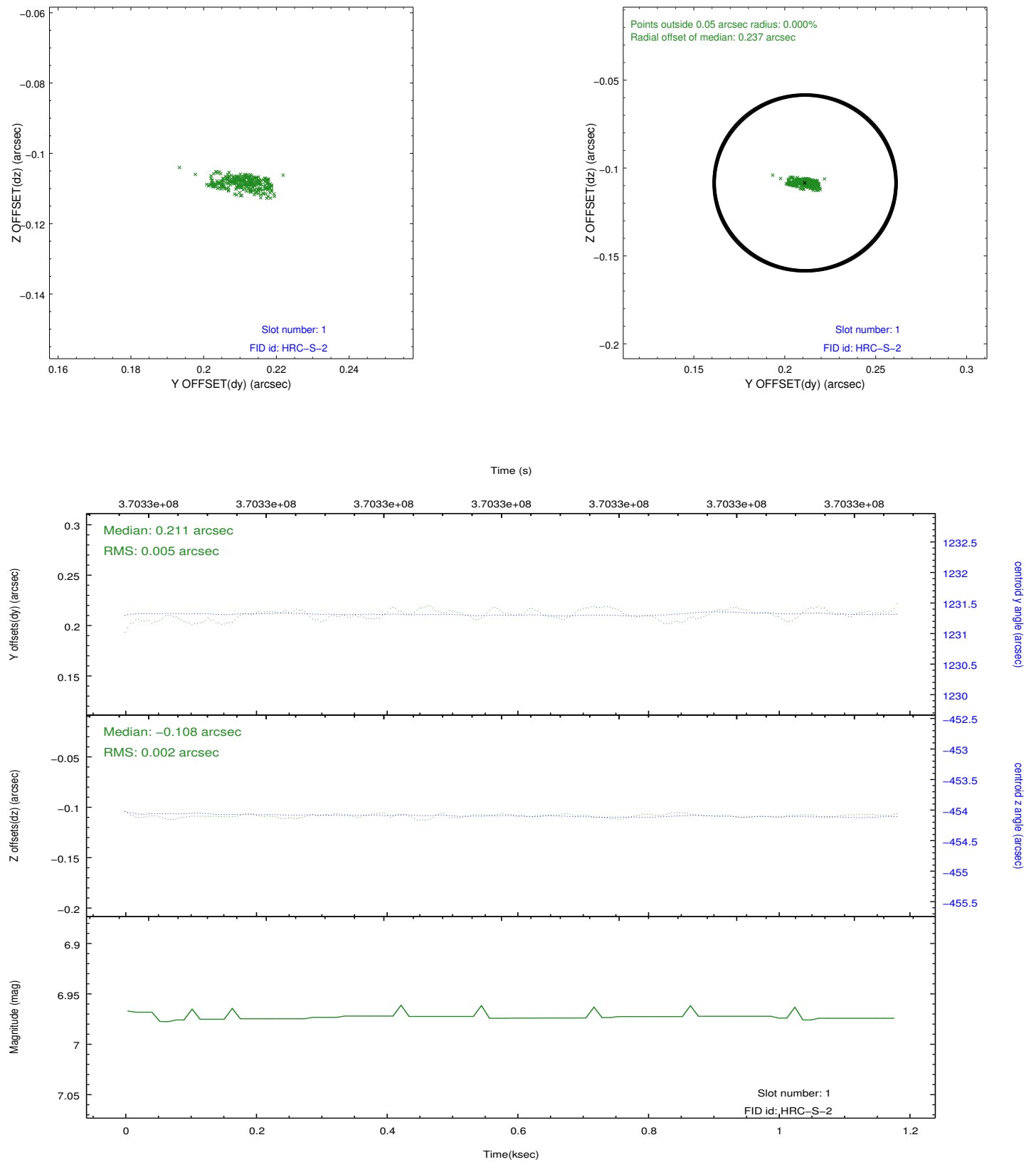


## 2.5 FID Slots

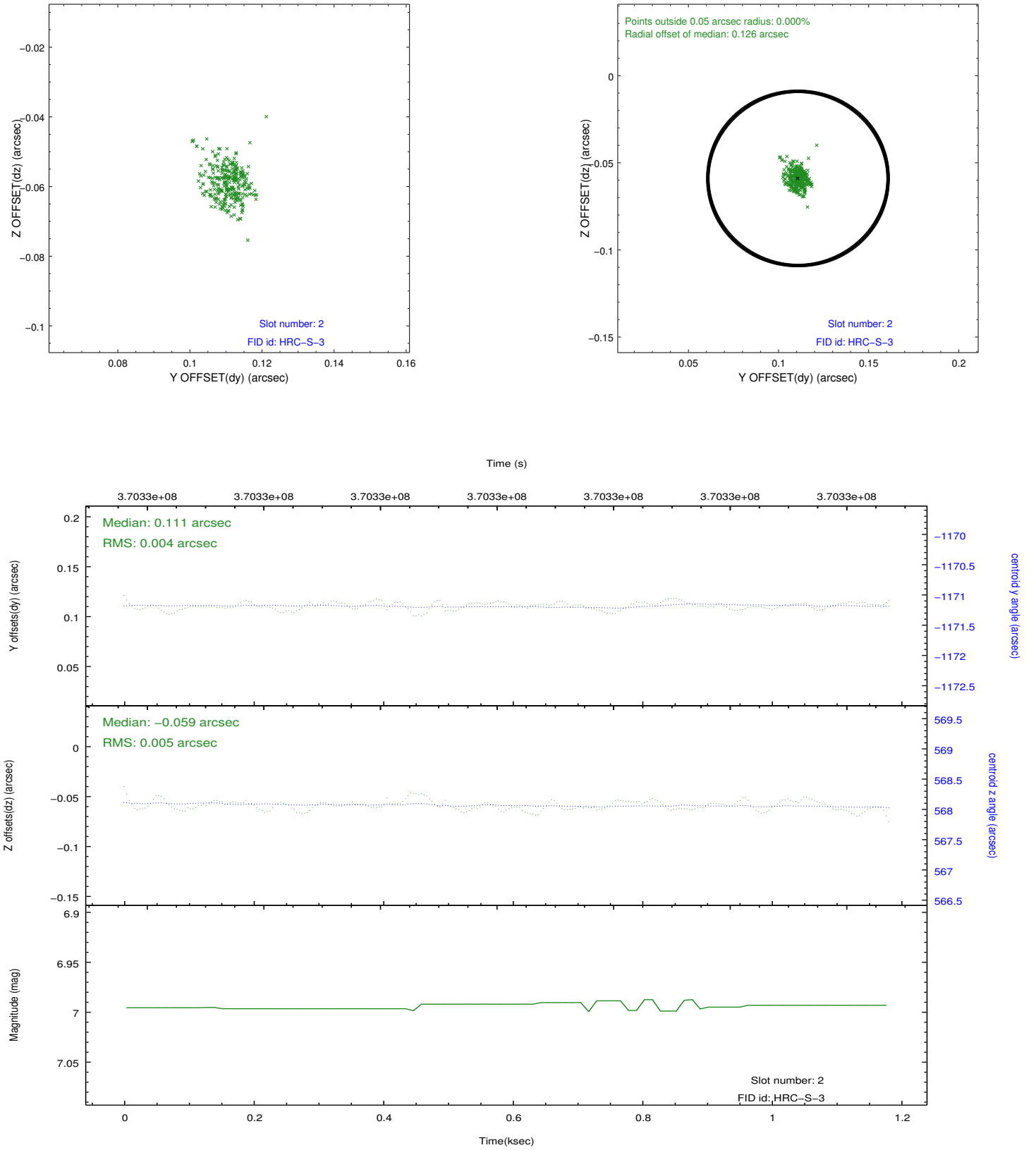
### 2.5.1 Slot 0



## 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)	2012.08.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1820813093781

### A.2 Comments