

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 6538 - L2 Version 4  
Chandra X-Ray Center

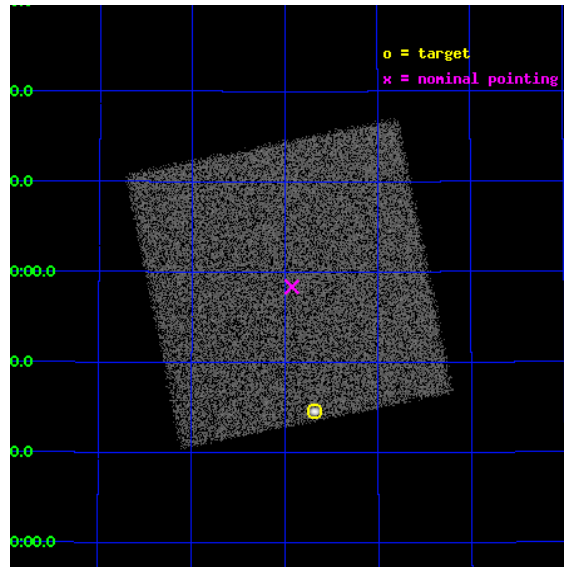
L2 Processing Date : Aug 11 2012

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# 1 Front

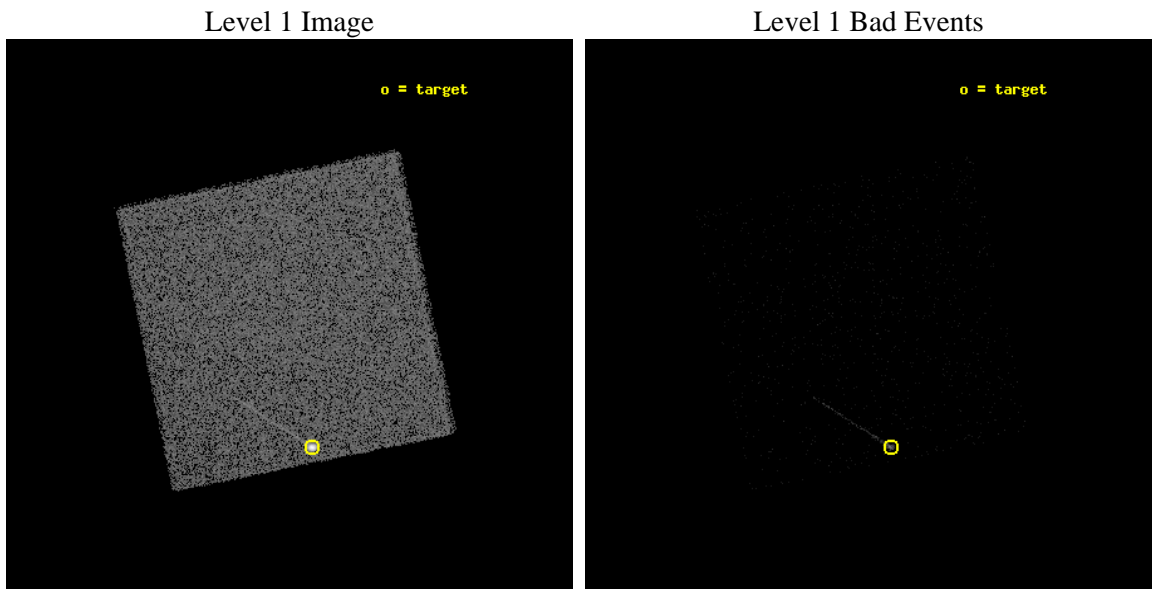
seq_num	290631	Sequence number
obs_id	6538	Observation id
title	AO7 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.23117331459	Nominal RA [deg]
dec_nom	45.972829839473	Nominal Dec [deg]
roll_nom	213.50883290929	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1192.3313060999	[s]
livetime	1181.4042625693	Ontime multiplied by DTCOR
l2events	62900	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	1192.3313060999	[s]
caldbver	4.5.1.1	&#160	l1events	116611	Number of level 1 events
date	2012-08-11T13:27:41	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

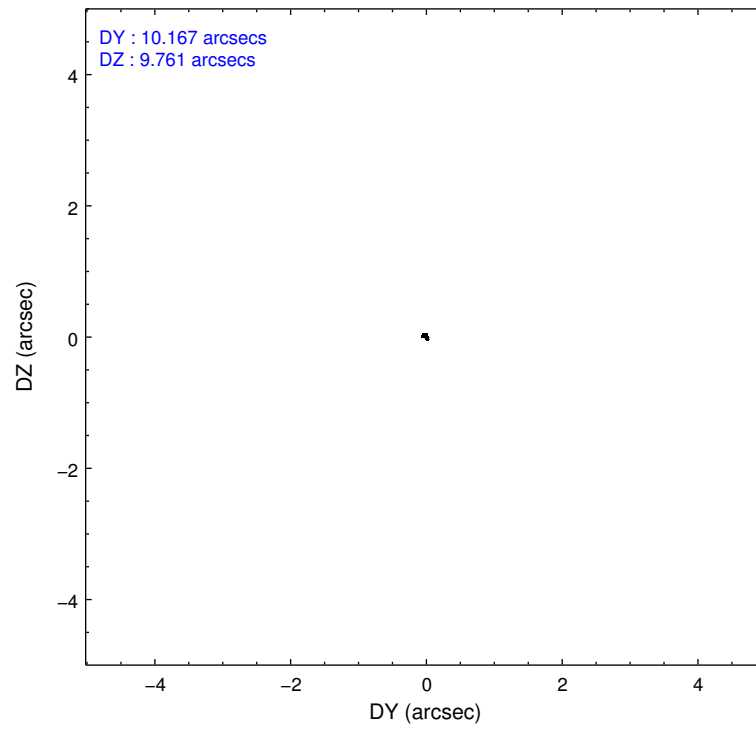
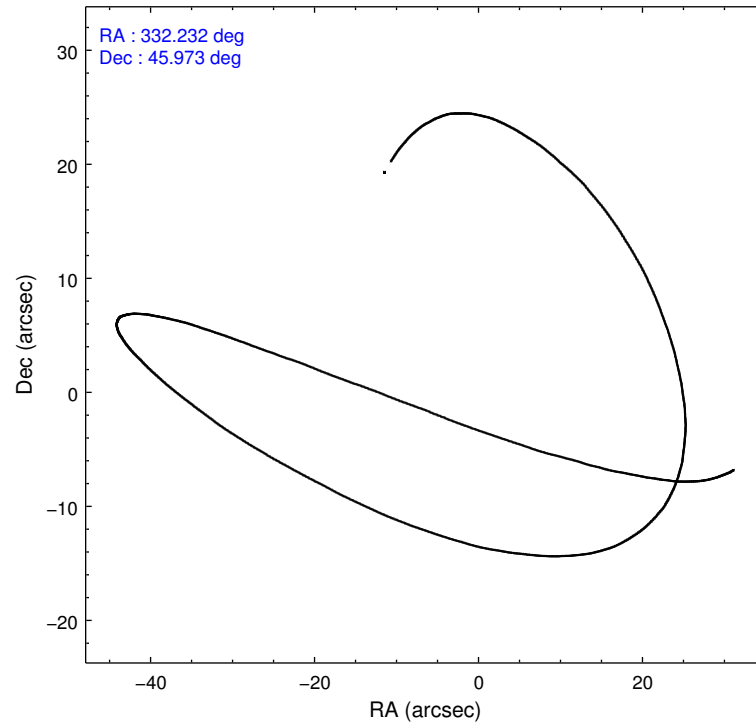
	<b>segment 0</b>
level 1 events	116611
rejected events	24471
rejected %	20%

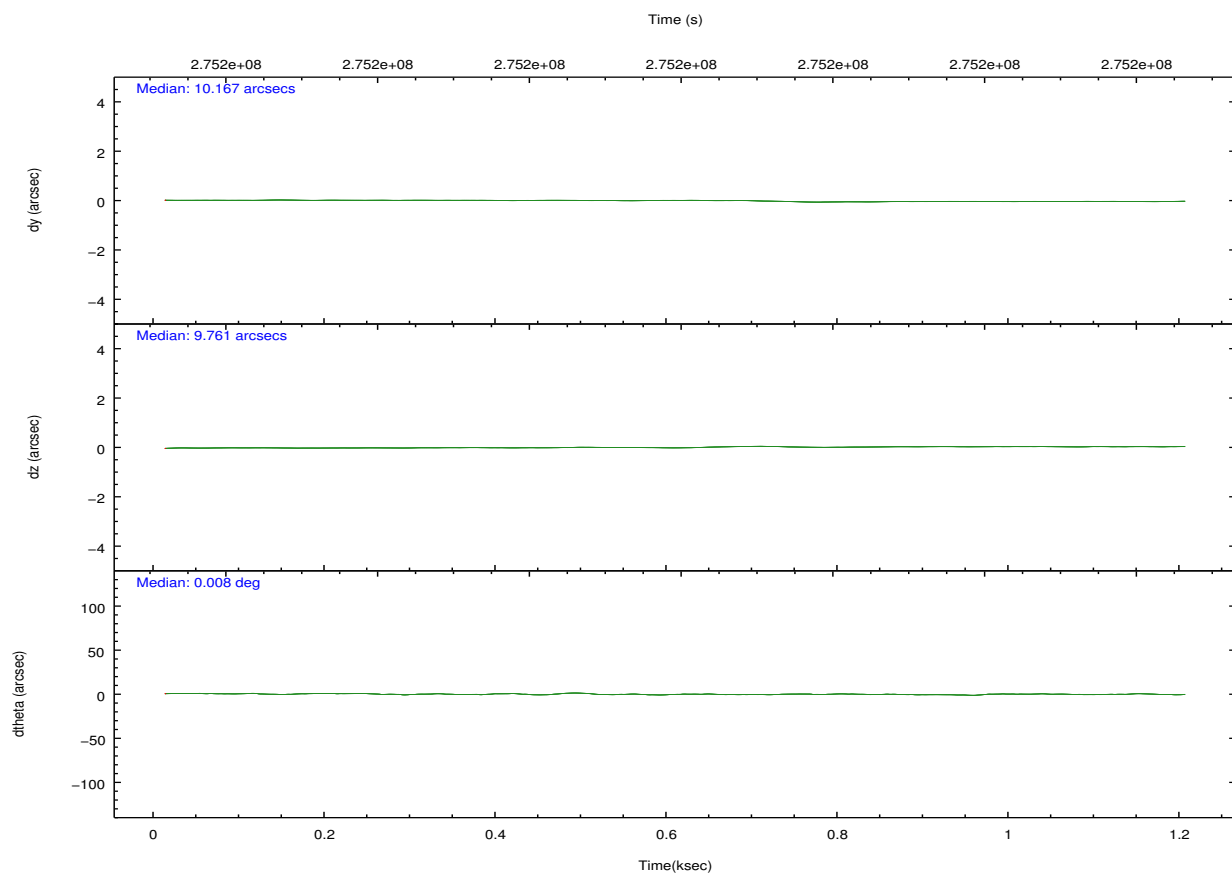
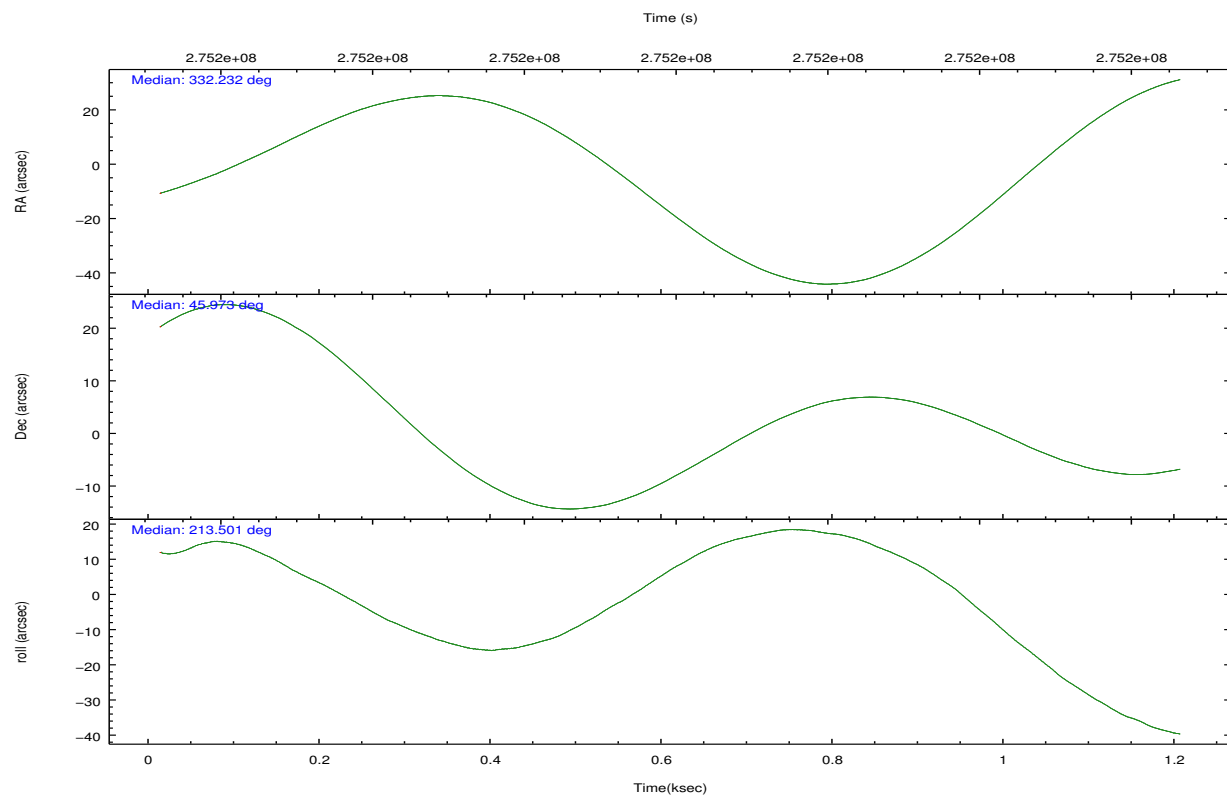
## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	332.247445	332.2311733145884
[deg] Pointing Dec	45.997118	45.97282983947347
[deg] Pointing Roll	213.592535	213.5088329092879
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	126.985494	126.9829799899862
[mm] SIM translation stage offset	0	0.002508901615314585
[s] Observation start time (MET)	275198992.184000	275198616.1522
Observation start date	2006-09-21T04:08:47	2006-09-21T04:03:36
[s] Observation end time (MET)	275199992.184000	275200125.97727
Observation end date	2006-09-21T04:25:27	2006-09-21T04:28:45

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

## 2.3 Aspect





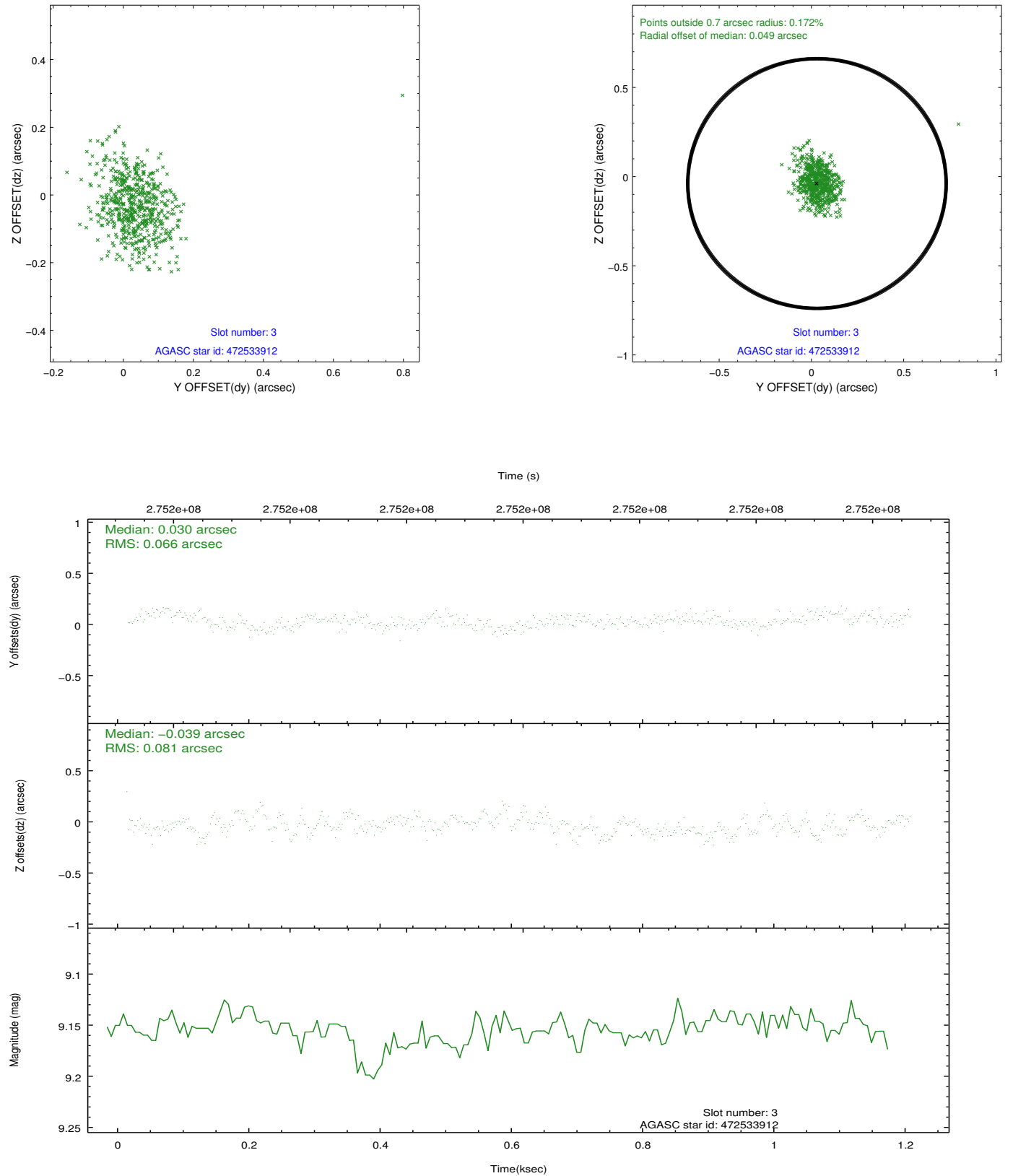
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.97	291	-0.022	0.033	0.007	0.012	0.000000	0.000000	-765.83	-1297.67
1	FID	HRC-I-2	7.01	292	0.110	-0.054	0.006	0.010	0.000000	0.000000	844.31	-1303.75
2	FID	HRC-I-3	7.07	292	0.031	-0.069	0.006	0.012	0.000000	0.000000	-1191.40	1002.32
3	GUIDE	472533912	9.16	582	0.030	-0.039	0.104	0.174	331.791136	46.368695	204.07	-1743.47
4	GUIDE	472535576	7.86	583	-0.144	0.129	0.065	0.102	331.438373	46.291802	1085.86	-2007.83
5	GUIDE	472536328	8.14	583	-0.114	0.176	0.060	0.103	331.496671	46.454831	638.10	-2412.67
6	GUIDE	472655152	9.43	583	0.130	-0.056	0.141	0.253	332.504239	45.862991	-267.07	754.03
7	GUIDE	472665256	9.01	582	0.112	-0.244	0.109	0.176	332.808125	46.195041	-1559.69	176.93

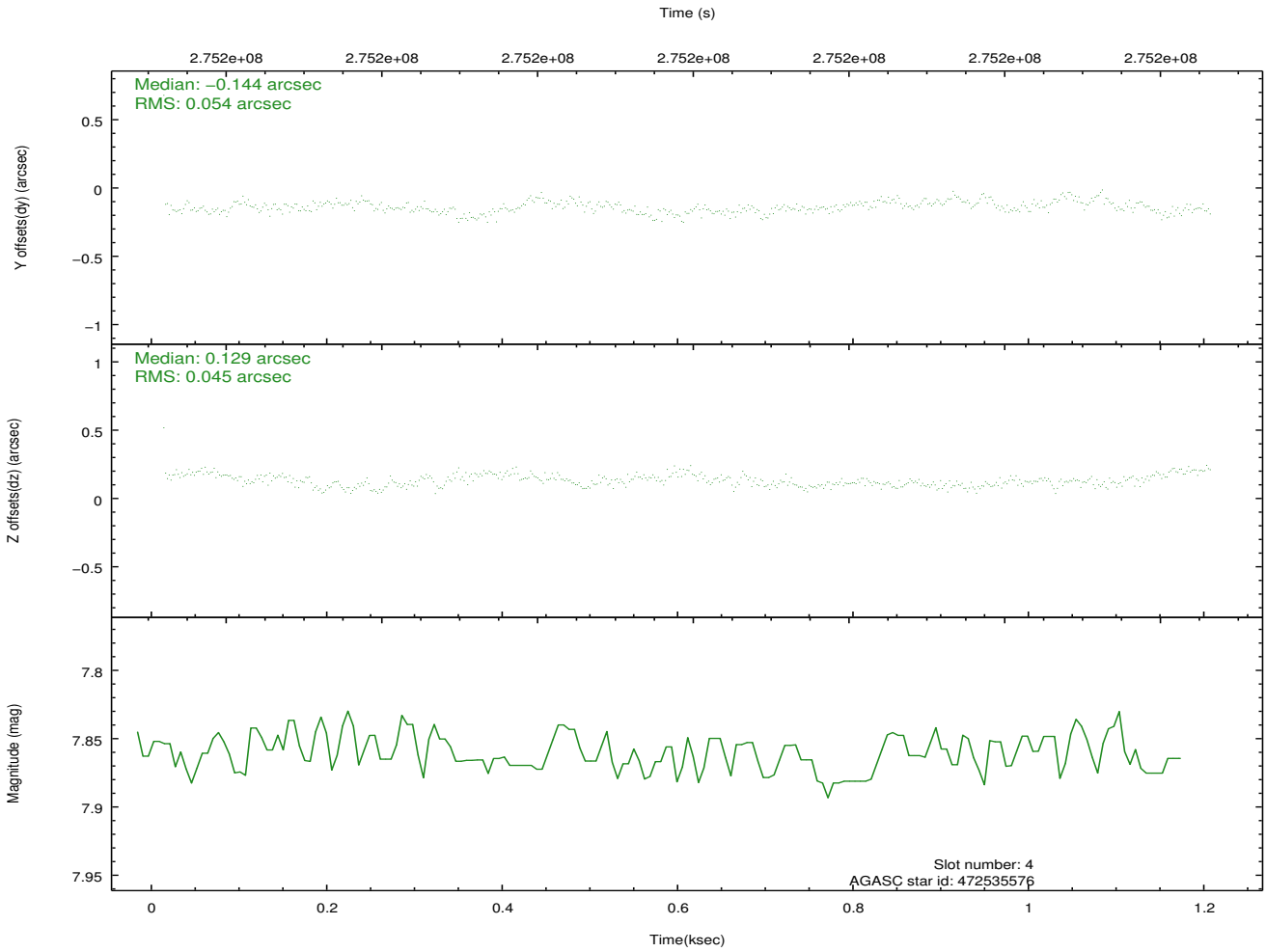
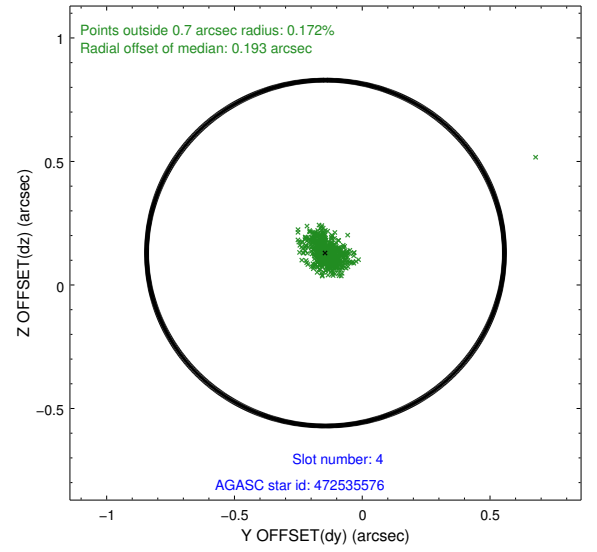
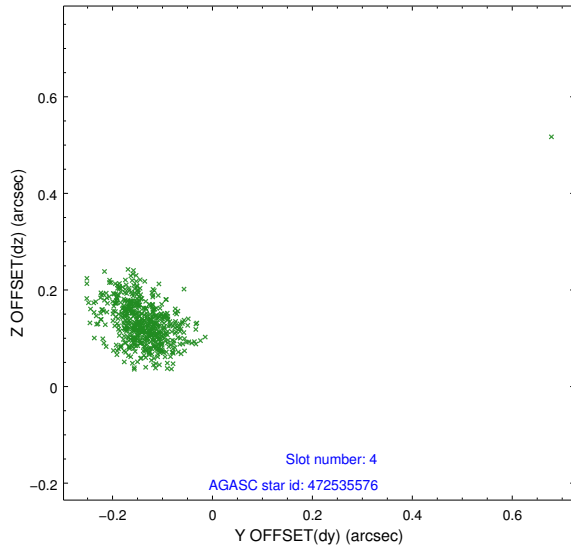


## 2.4 Star Slots

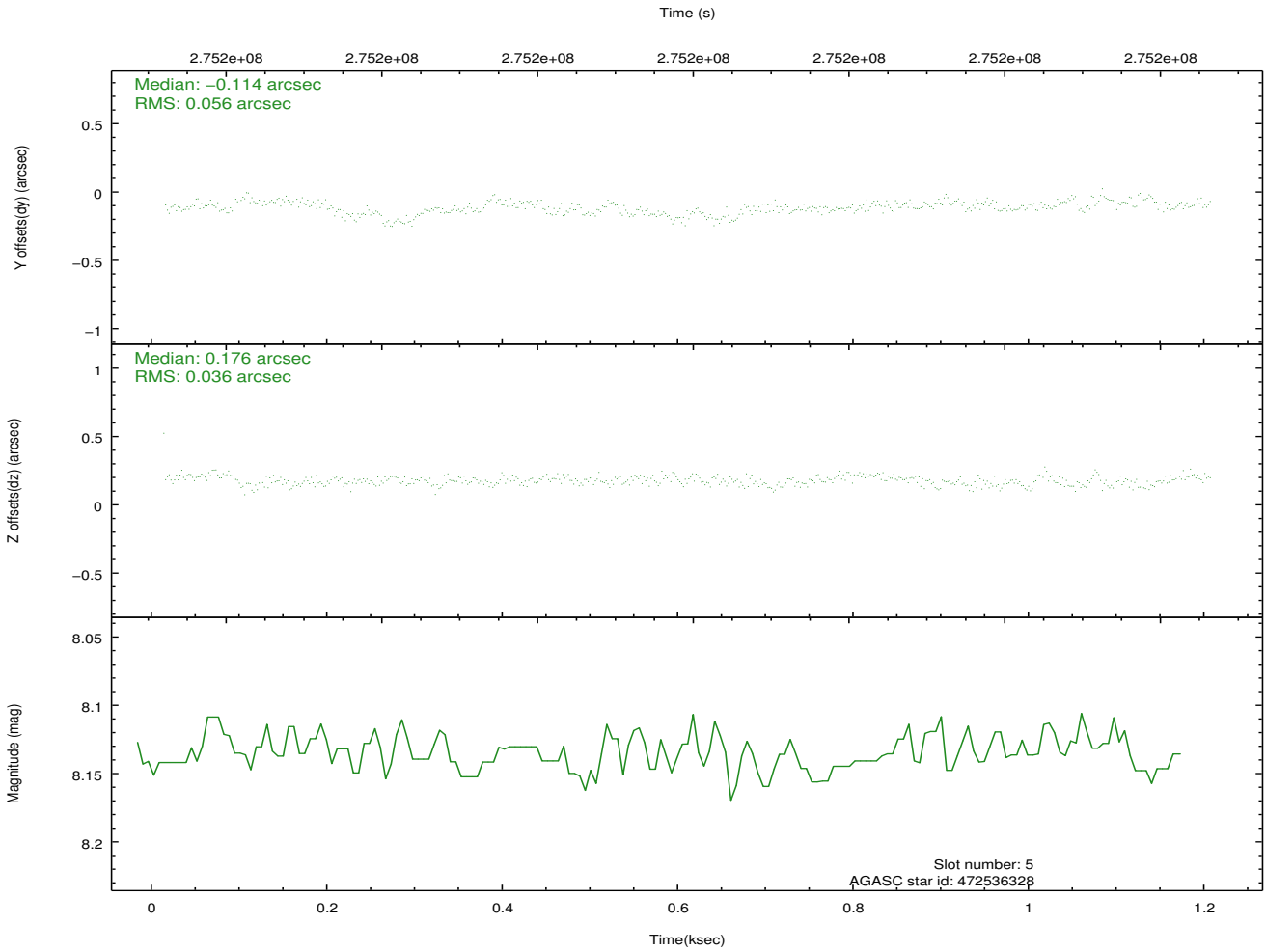
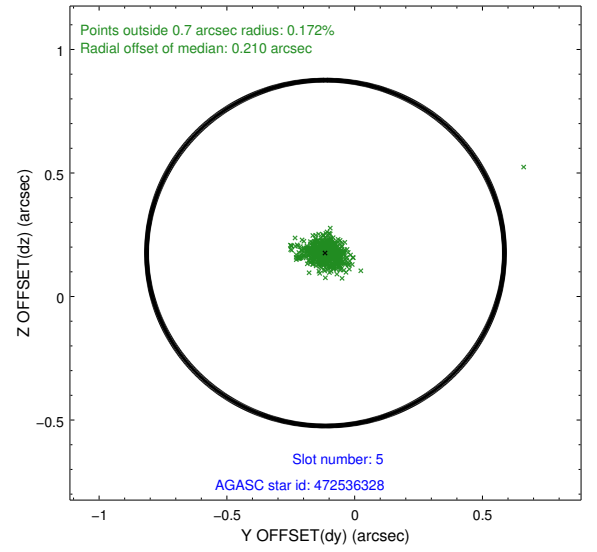
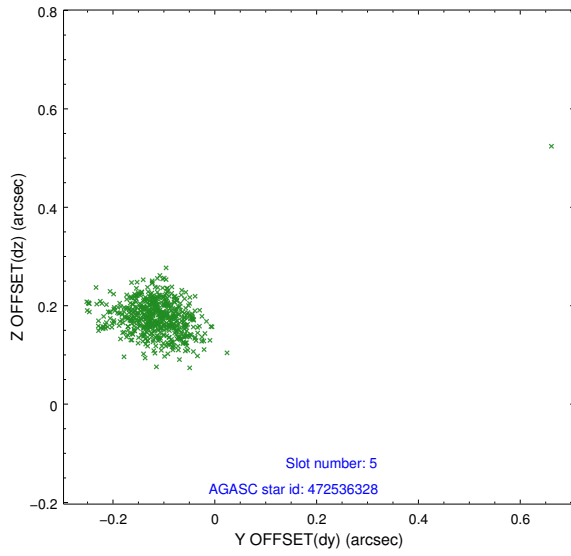
### 2.4.1 Slot 3



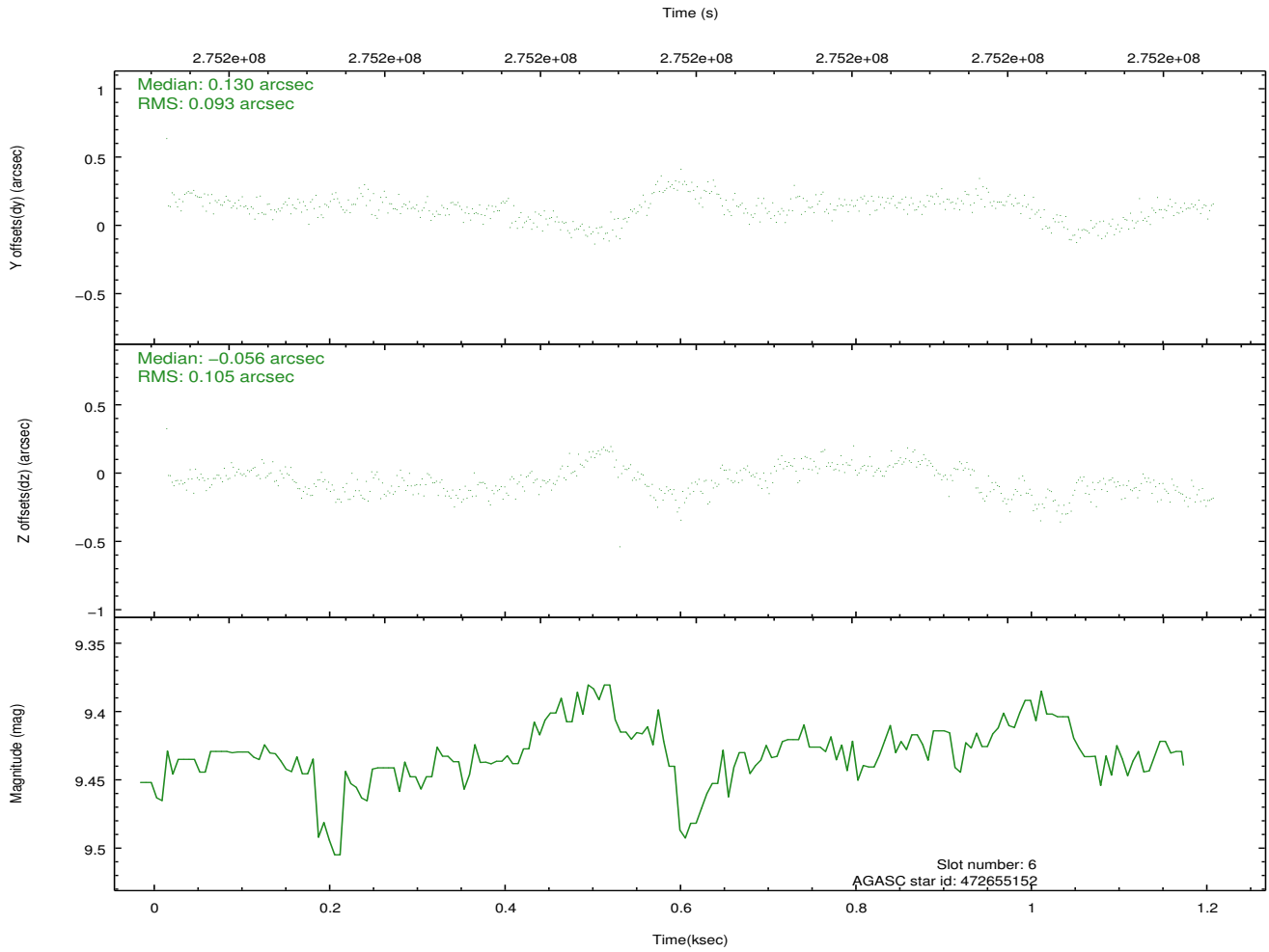
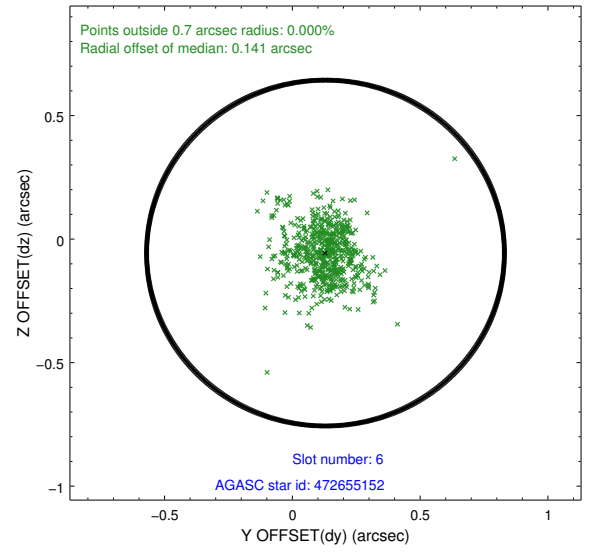
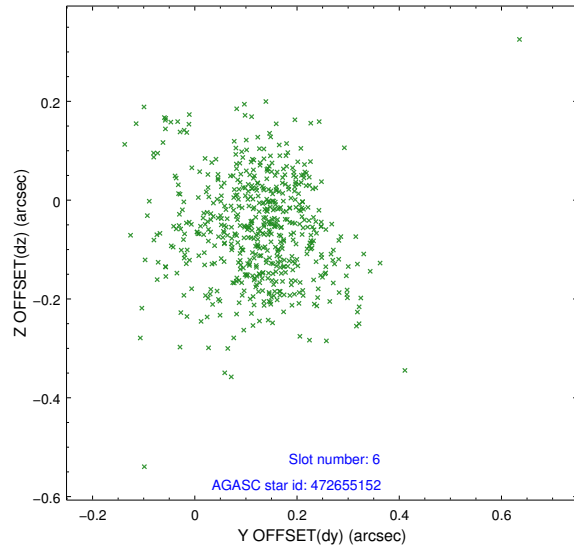
## 2.4.2 Slot 4



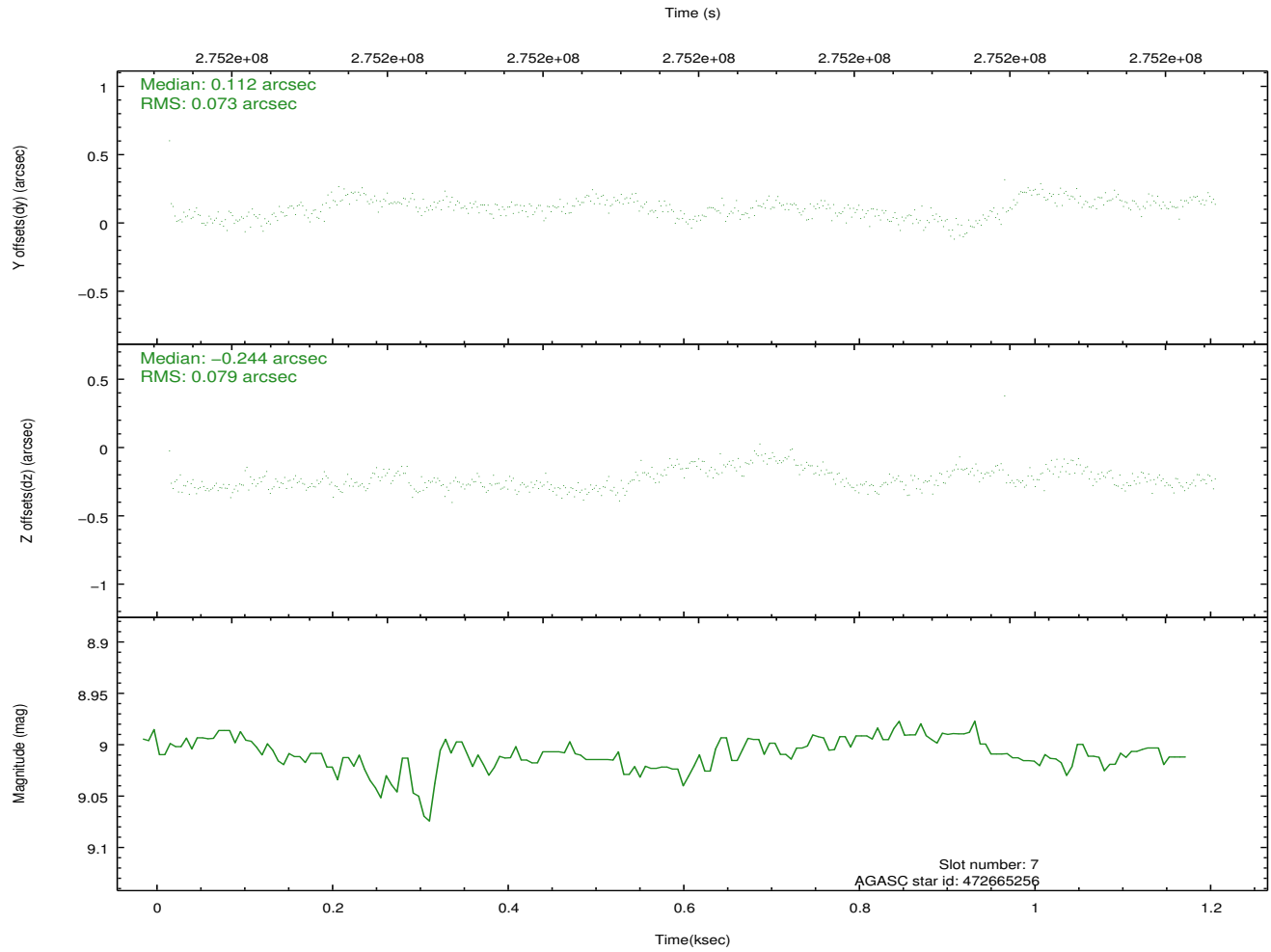
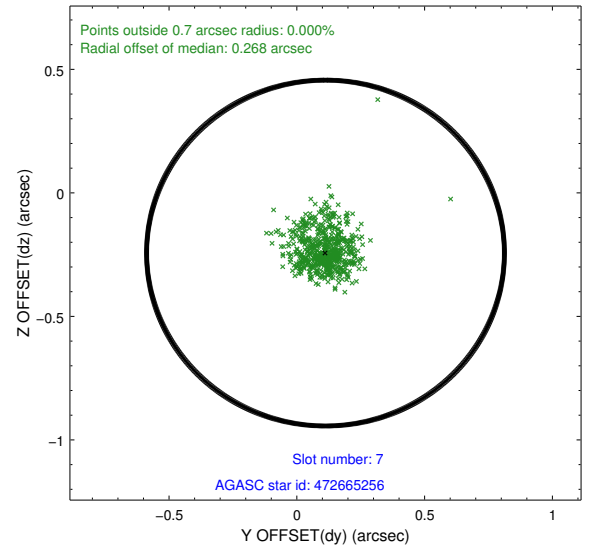
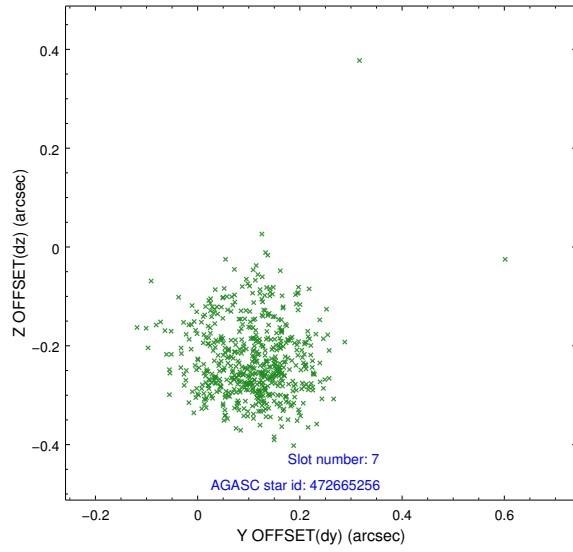
### 2.4.3 Slot 5



## 2.4.4 Slot 6

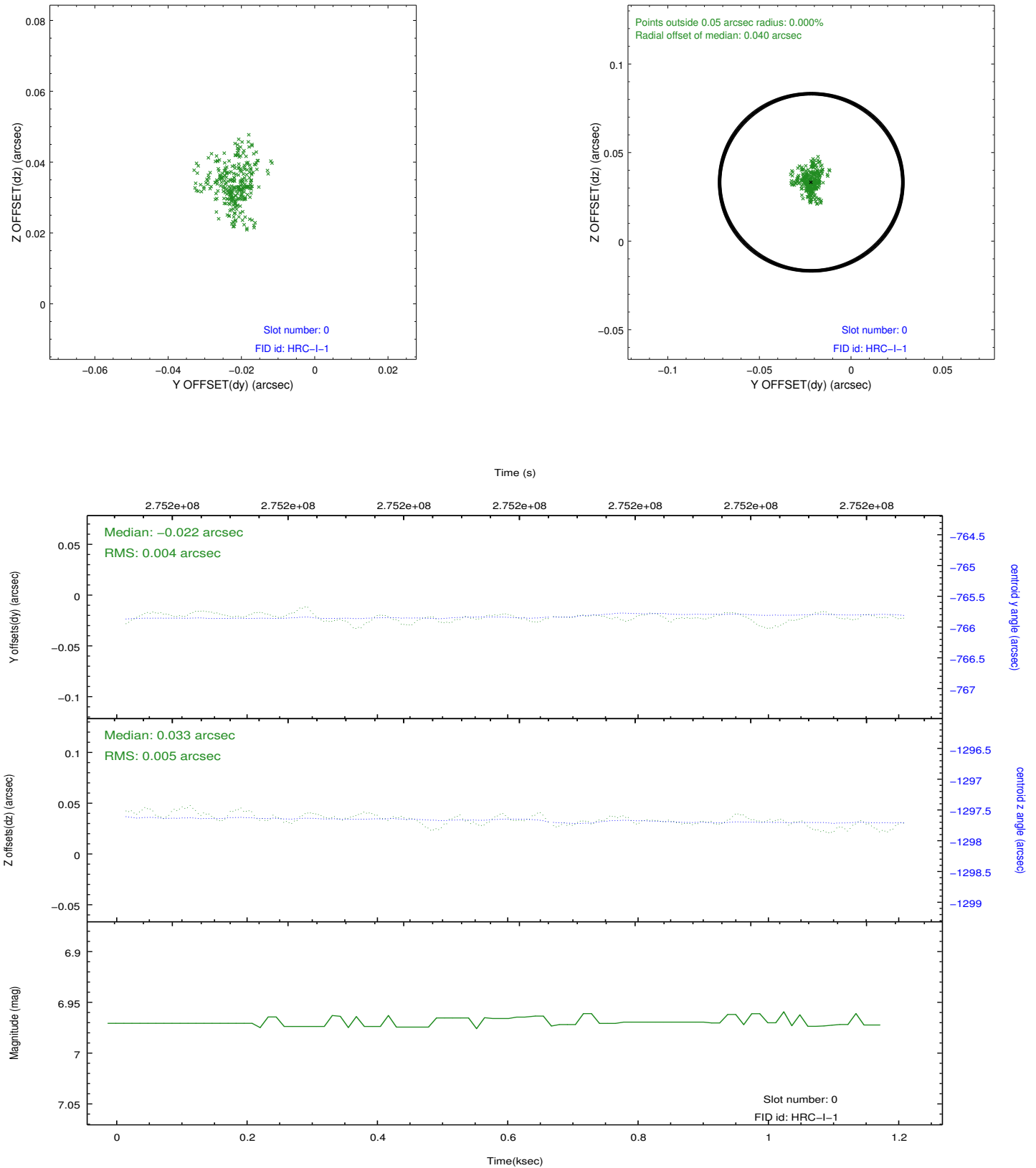


## 2.4.5 Slot 7

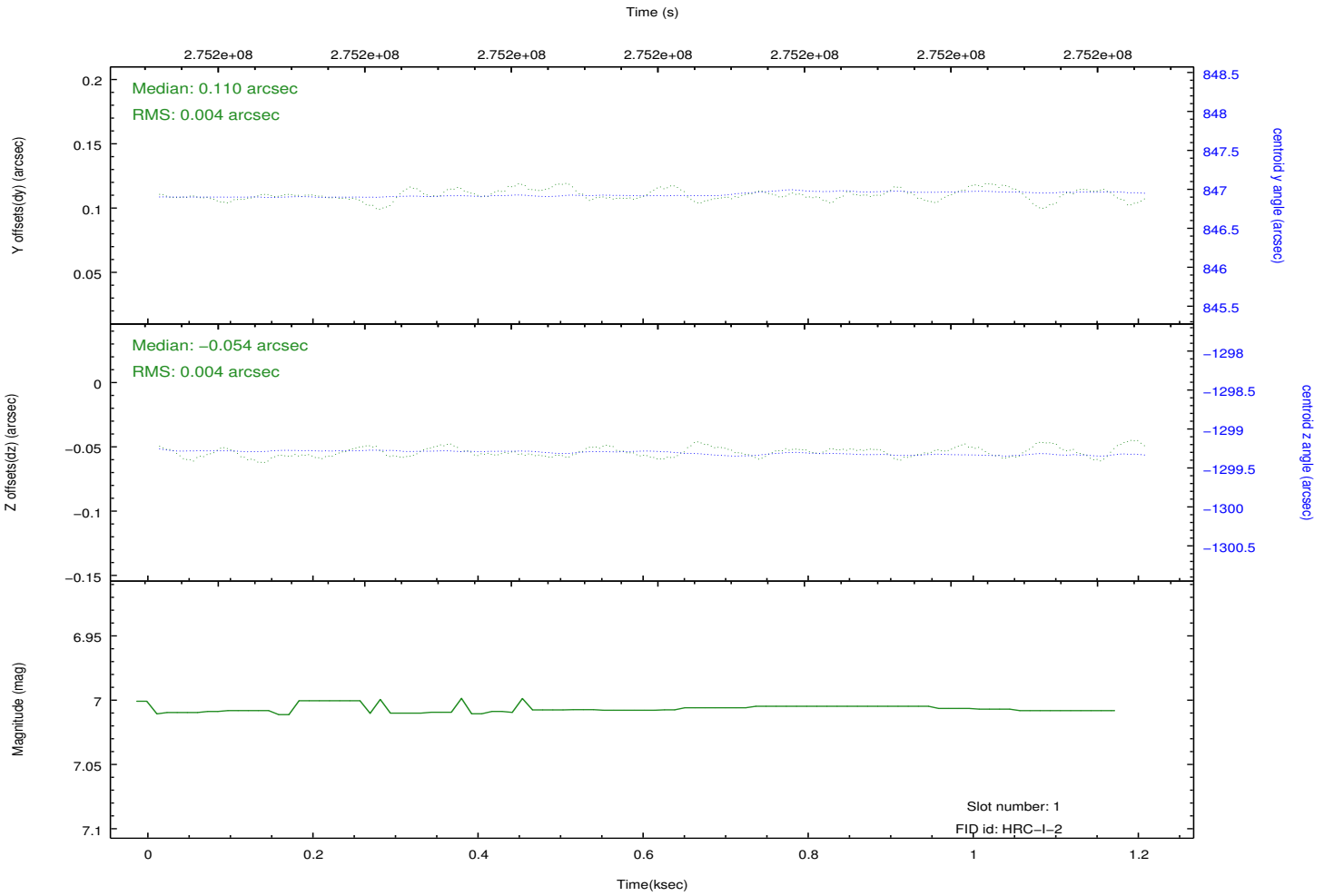
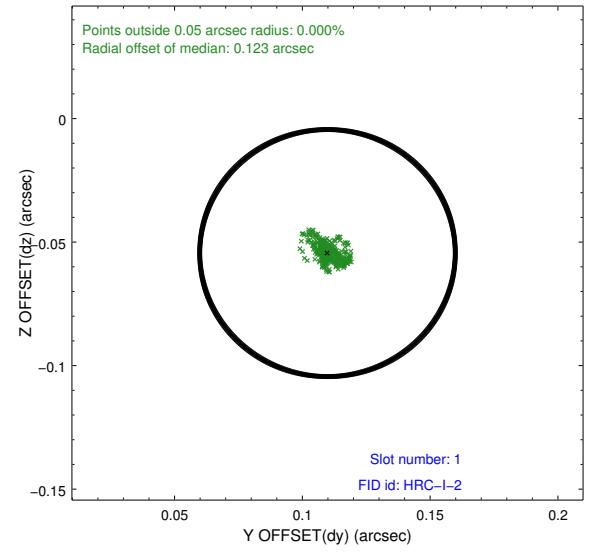
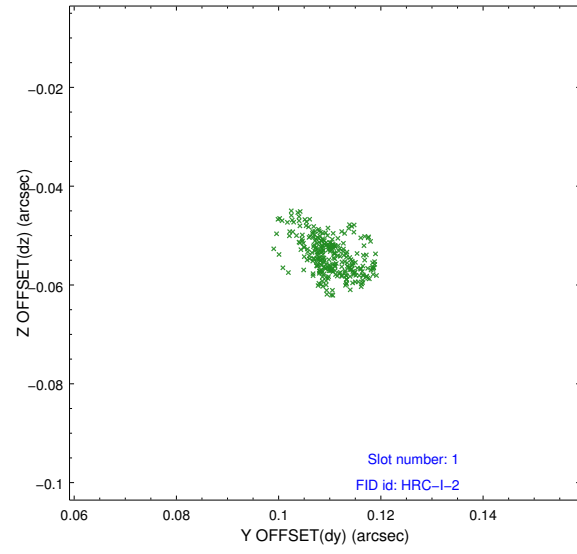


## 2.5 FID Slots

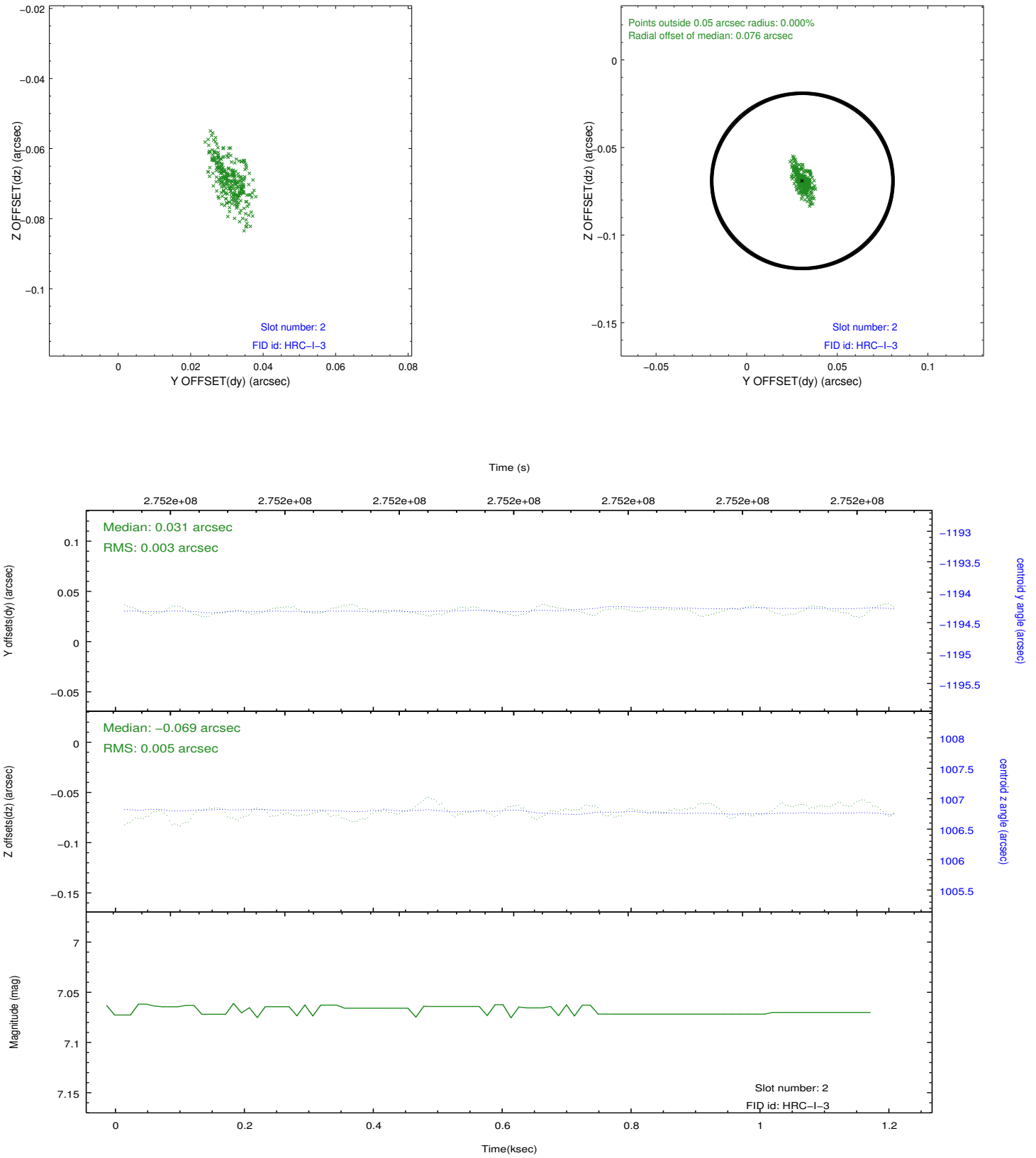
### 2.5.1 Slot 0



## 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	1.1923313

### A.2 Comments

The target is far from the aimpoint and therefore extended and asymmetric.