

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 8313 - L2 Version 4  
Chandra X-Ray Center

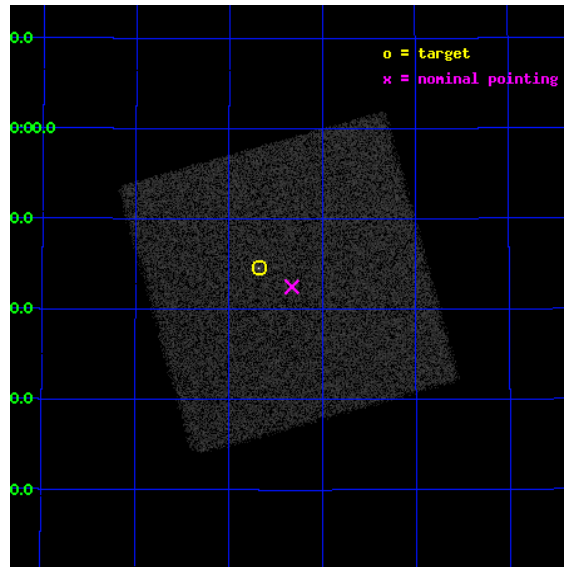
L2 Processing Date : Aug 11 2012

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# 1 Front

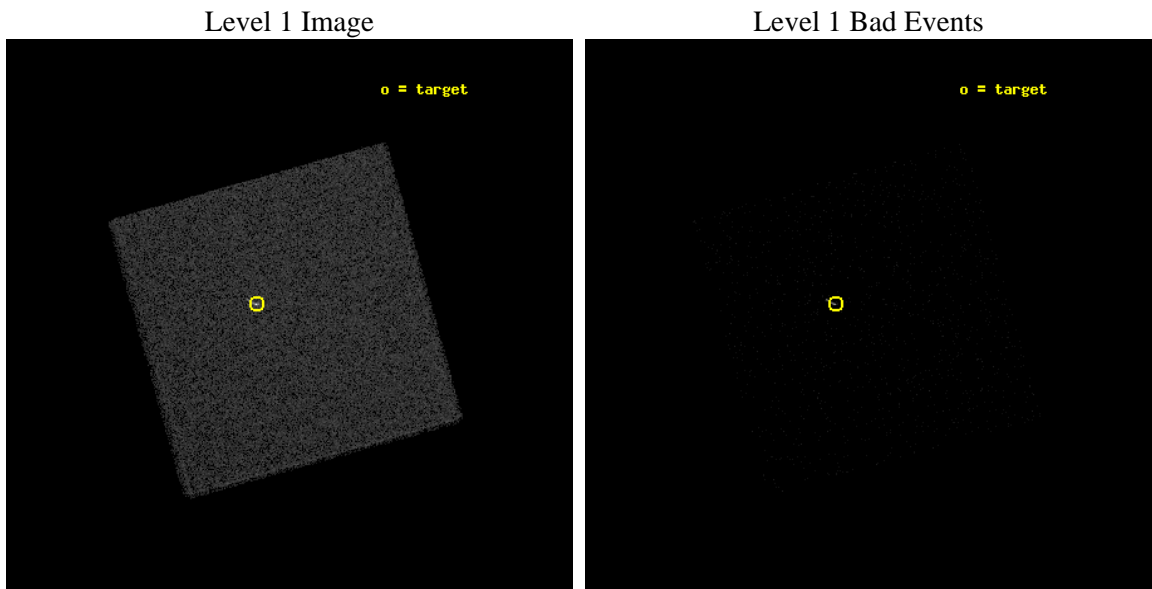
seq_num	290692	Sequence number
obs_id	8313	Observation id
title	AO8 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.08135831598	Nominal RA [deg]
dec_nom	45.708225123897	Nominal Dec [deg]
roll_nom	209.37781171122	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1184.1313070059	[s]
livetime	1171.8317371899	Ontime multiplied by DTCOR
l2events	72540	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	1184.1313070059	[s]
caldbver	4.5.1.1	&#160	l1events	134871	Number of level 1 events
date	2012-08-12T02:44:48	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

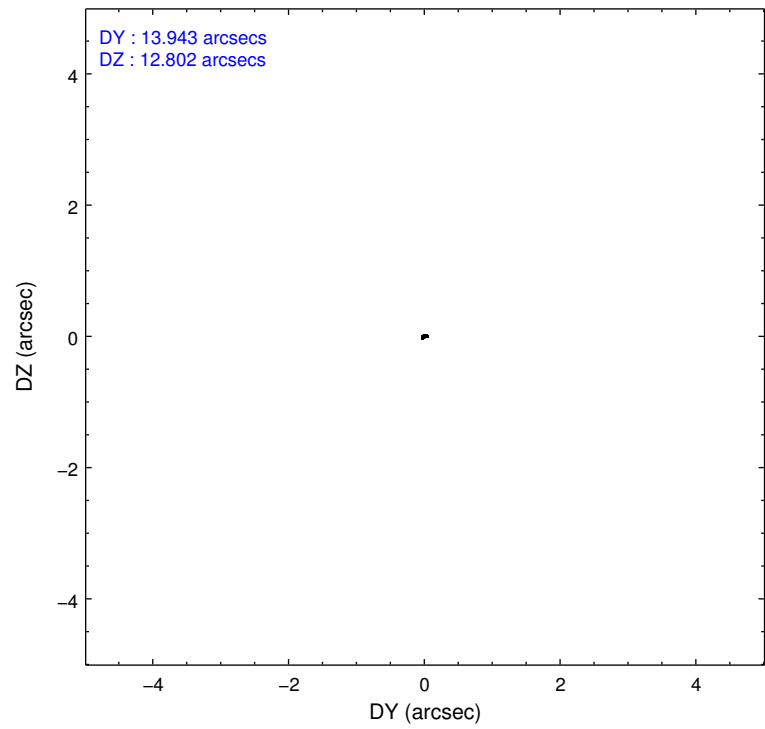
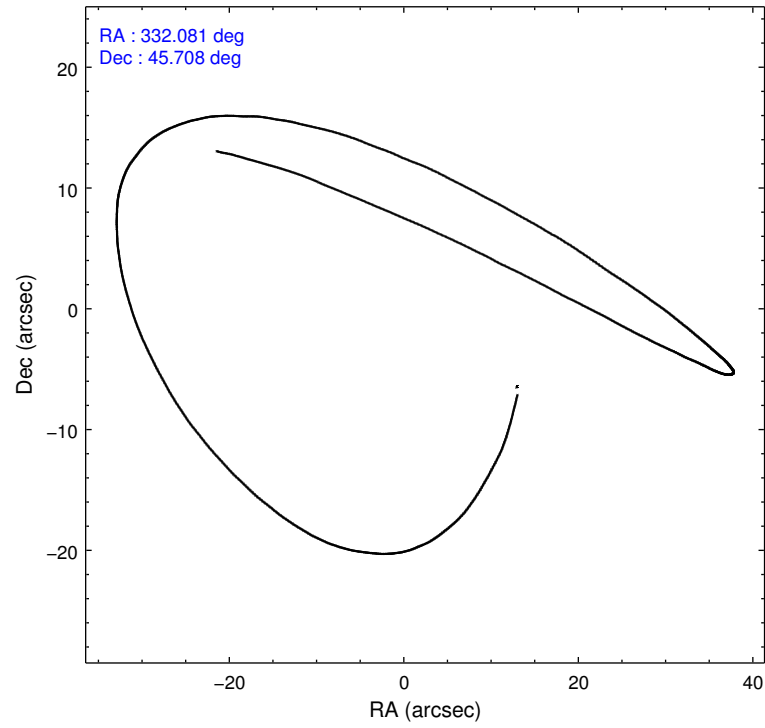
#### Level 1 Events

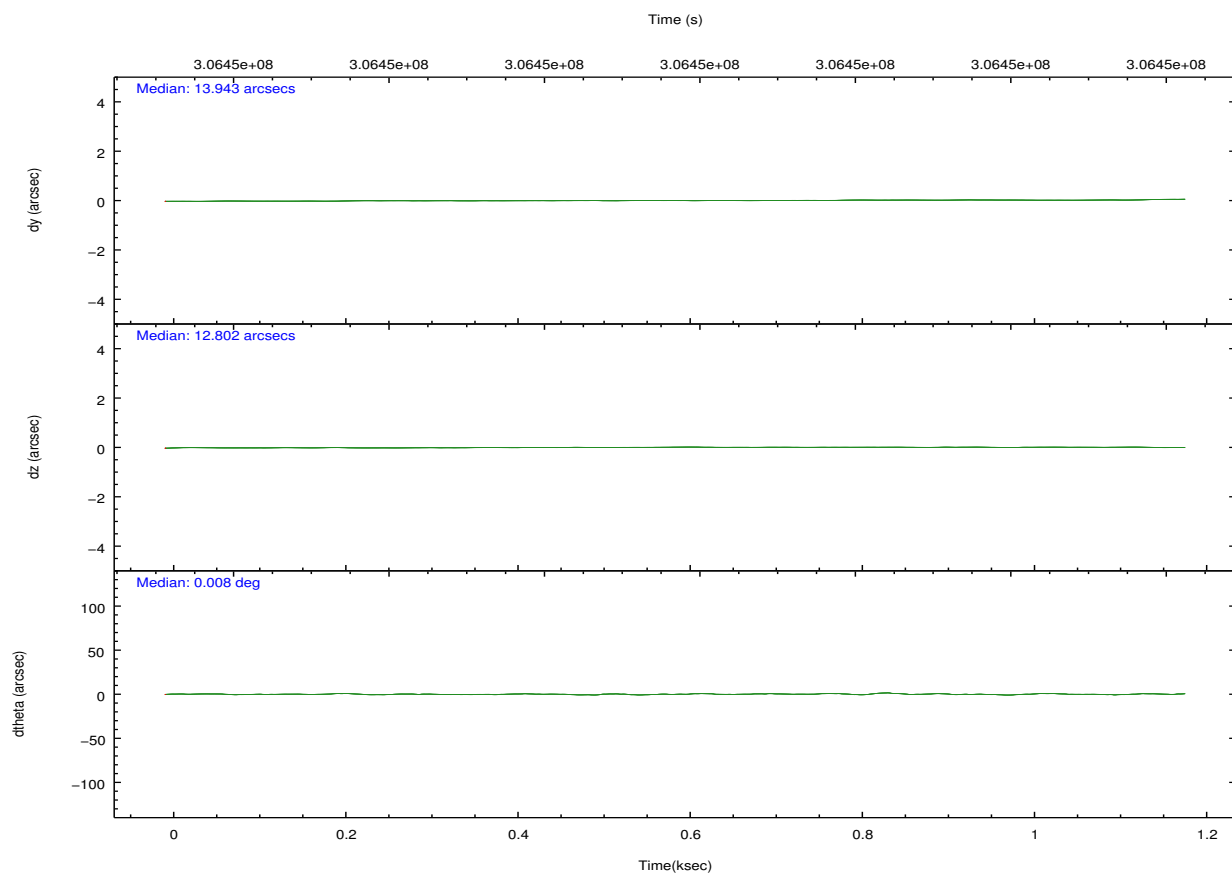
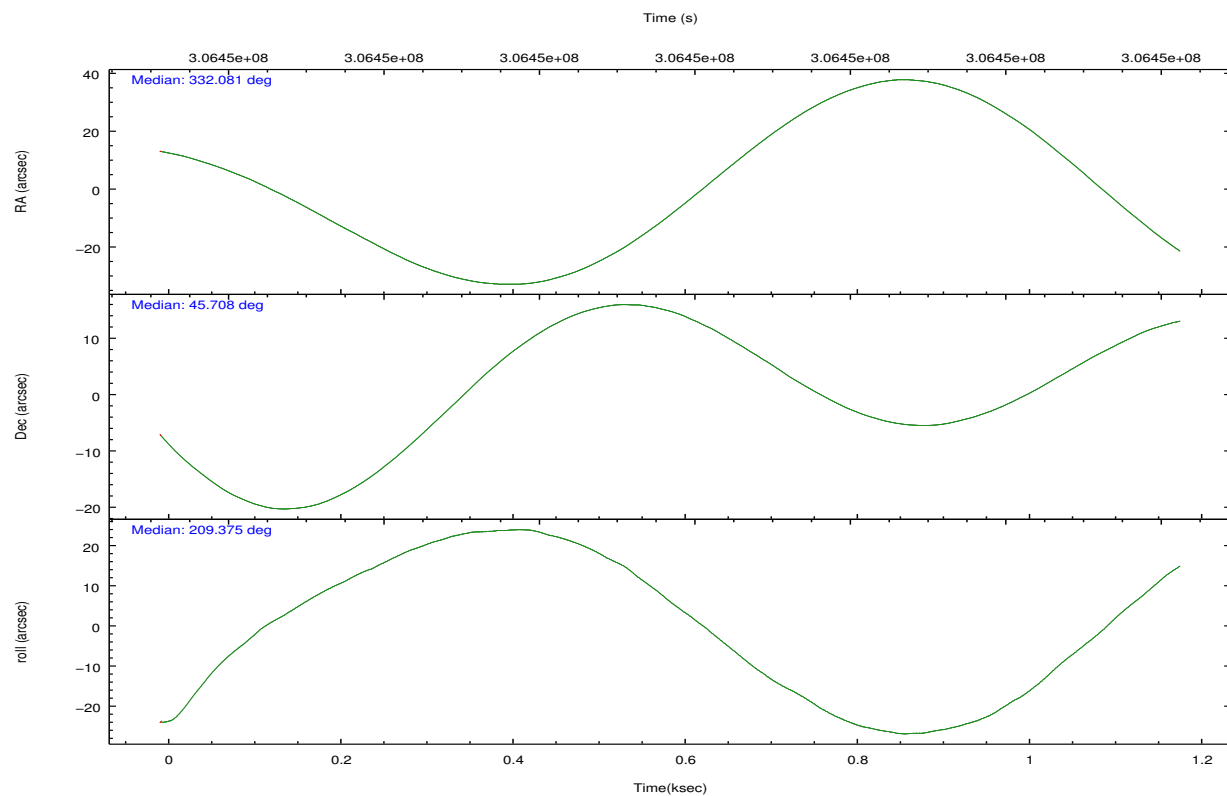
	<b>segment 0</b>
level 1 events	134871
rejected events	28865
rejected %	21%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	332.099900	332.0813583159841			
[deg] Pointing Dec	45.732689	45.70822512389699			
[deg] Pointing Roll	209.460163	209.377811711219			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	126.985494	126.9854943052878			
[mm] SIM translation stage offset	0	-5.413686238853188e-06			
[s] Observation start time (MET)	306447152.184000	306446775.83927			
Observation start date	2007-09-17T20:11:27	2007-09-17T20:06:15			
[s] Observation end time (MET)	306448152.184000	306448286.17685			
Observation end date	2007-09-17T20:28:07	2007-09-17T20:31:26			

## 2.3 Aspect





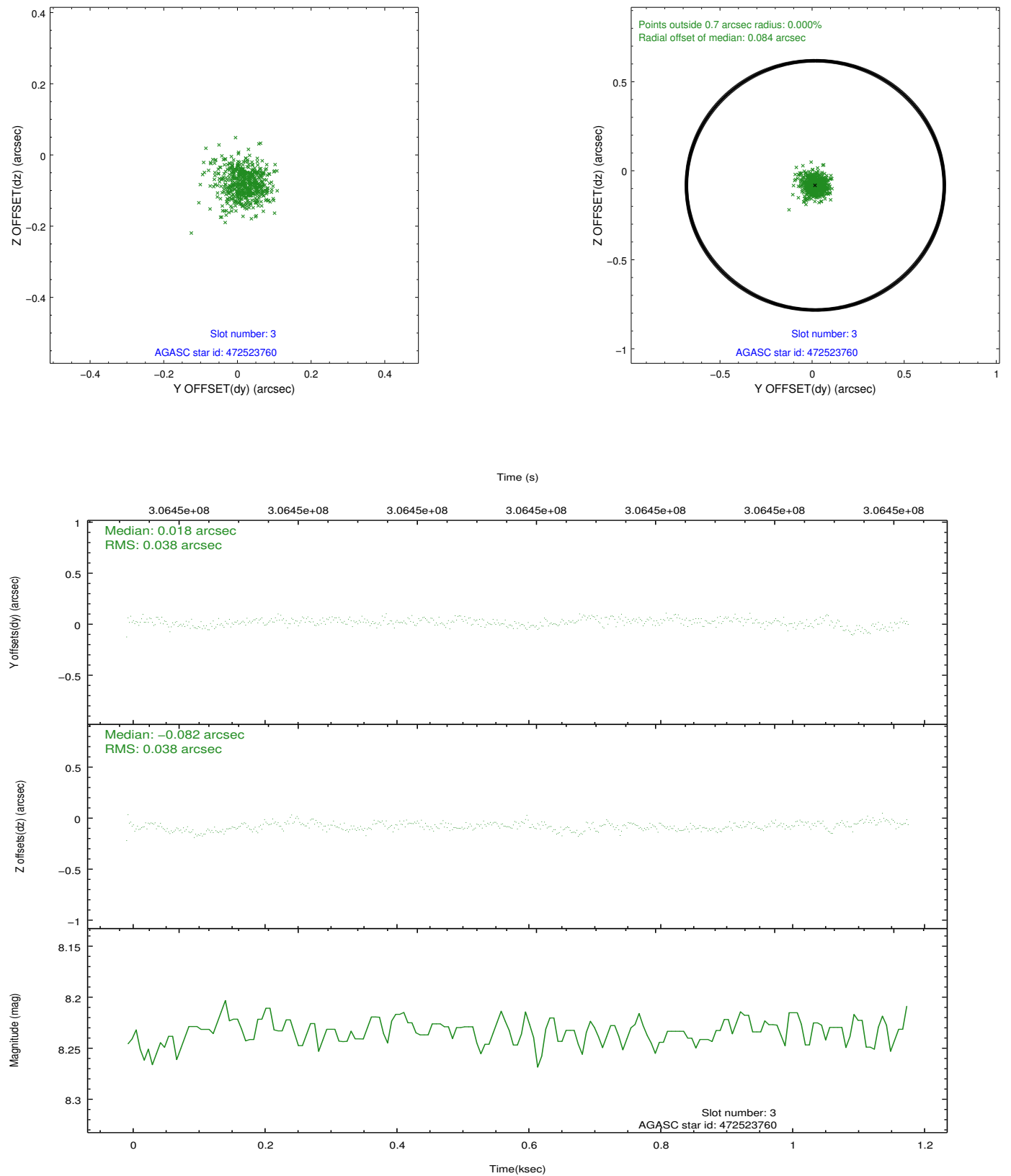
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.99	290	-0.060	0.030	0.006	0.010	0.000000	0.000000	-769.78	-1300.84
1	FID	HRC-I-2	7.02	290	0.243	-0.160	0.005	0.009	0.000000	0.000000	840.50	-1307.08
2	FID	HRC-I-3	7.08	290	-0.064	0.041	0.005	0.009	0.000000	0.000000	-1195.37	999.23
3	GUIDE	472523760	8.23	579	0.018	-0.082	0.056	0.097	331.645363	45.403260	1582.26	461.97
4	GUIDE	472525528	6.64	579	-0.290	-0.002	0.083	0.132	331.551102	45.248694	2068.27	827.03
5	GUIDE	472533912	9.16	579	0.039	0.048	0.117	0.192	331.791136	46.368695	-455.10	-2373.40
6	GUIDE	472655152	9.42	577	0.076	-0.121	0.115	0.193	332.504239	45.862991	-1115.13	80.88
7	GUIDE	472665256	9.01	577	0.149	0.164	0.073	0.120	332.808125	46.195041	-2360.69	-590.75

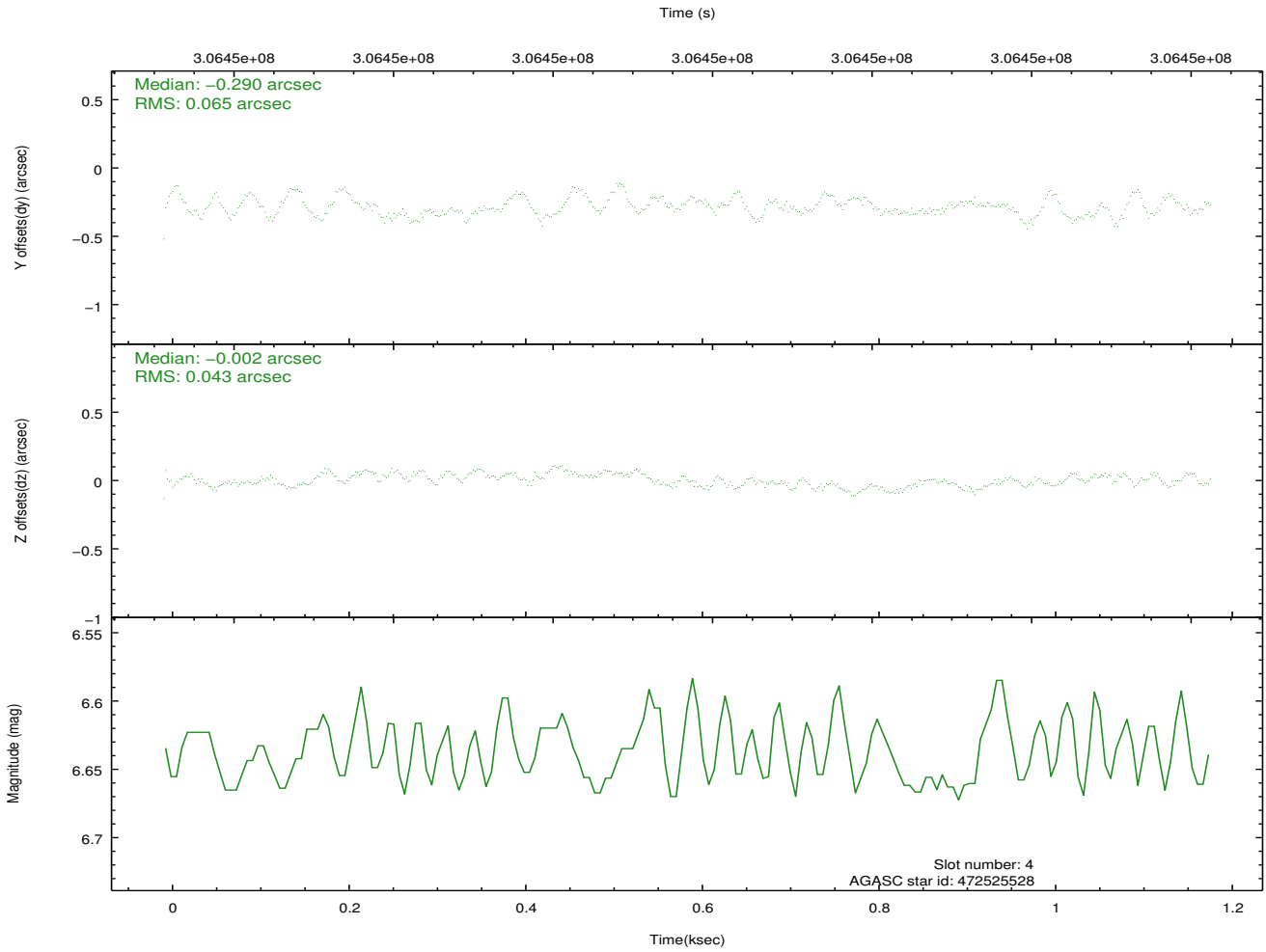
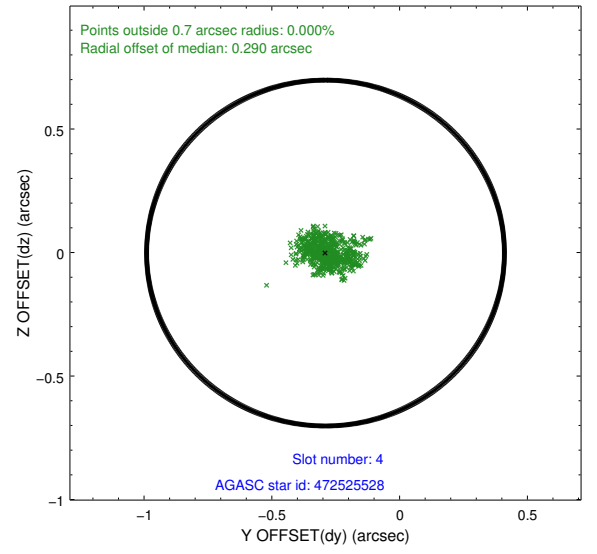
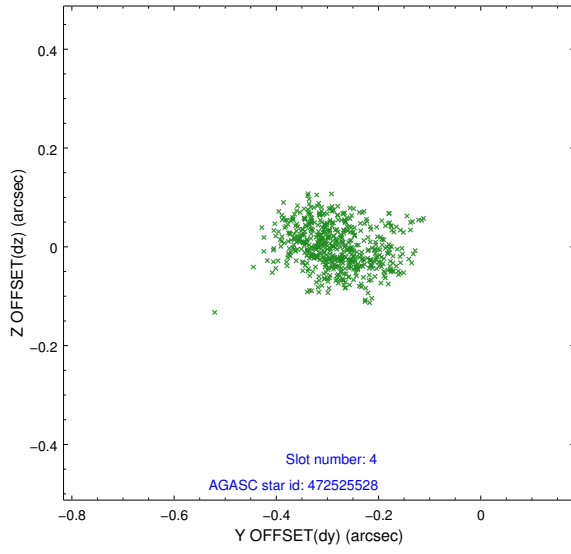


## 2.4 Star Slots

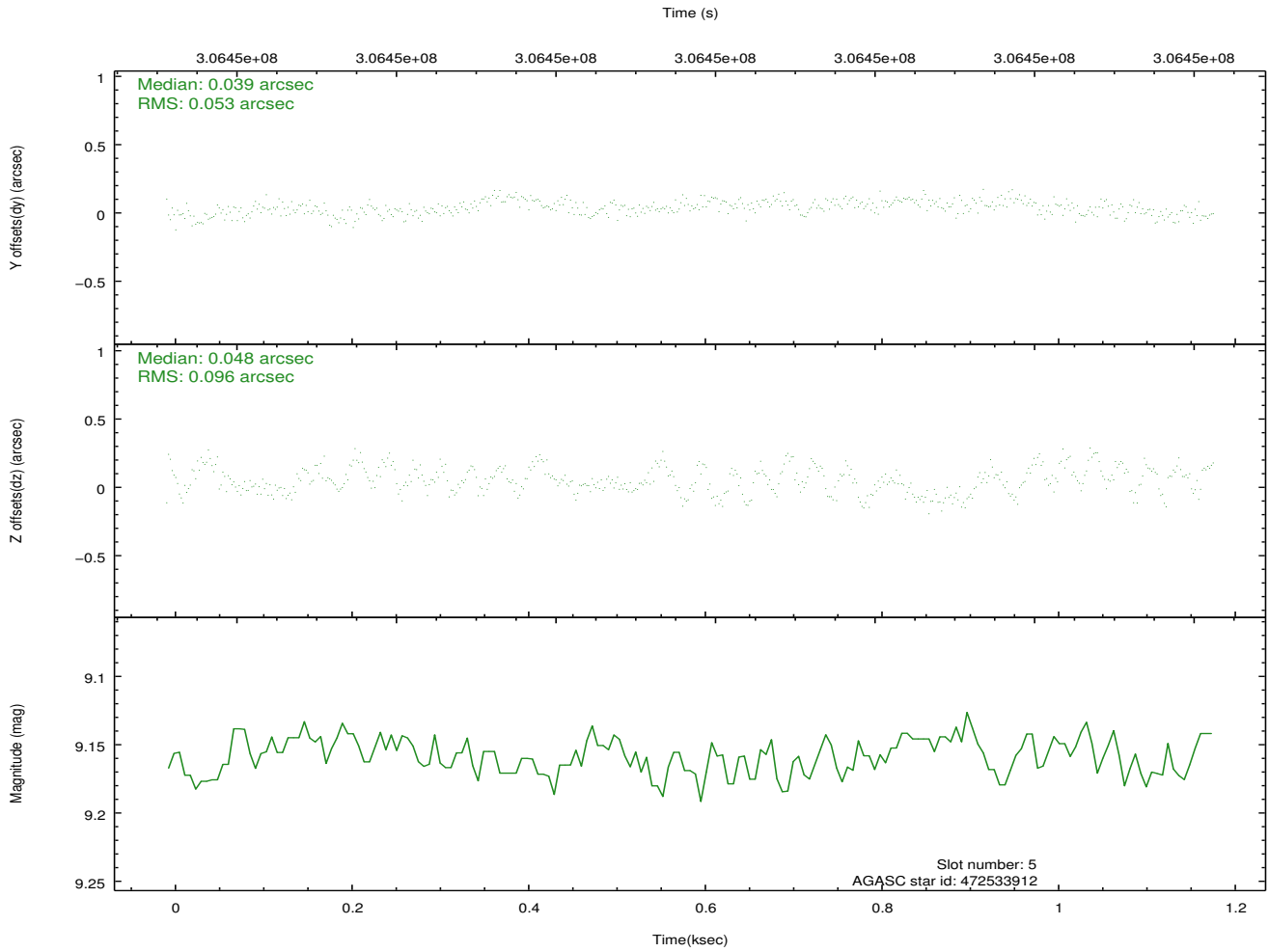
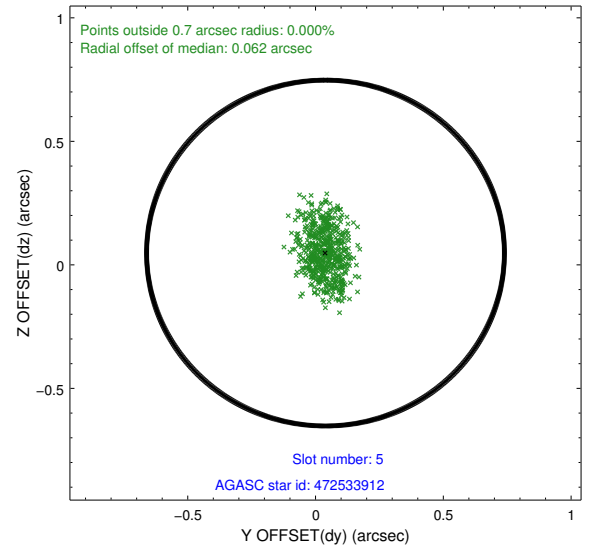
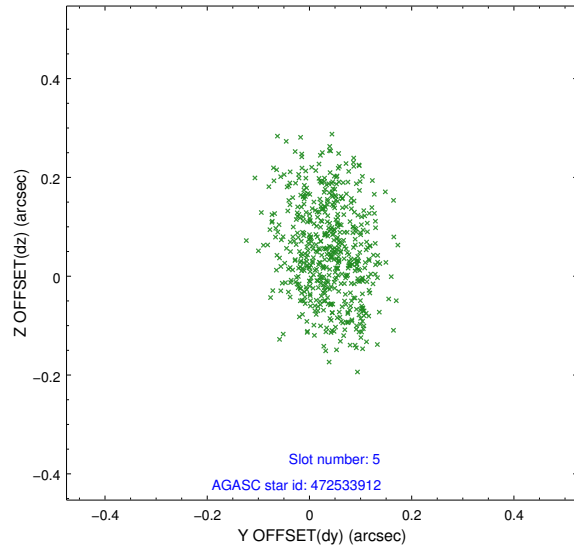
### 2.4.1 Slot 3



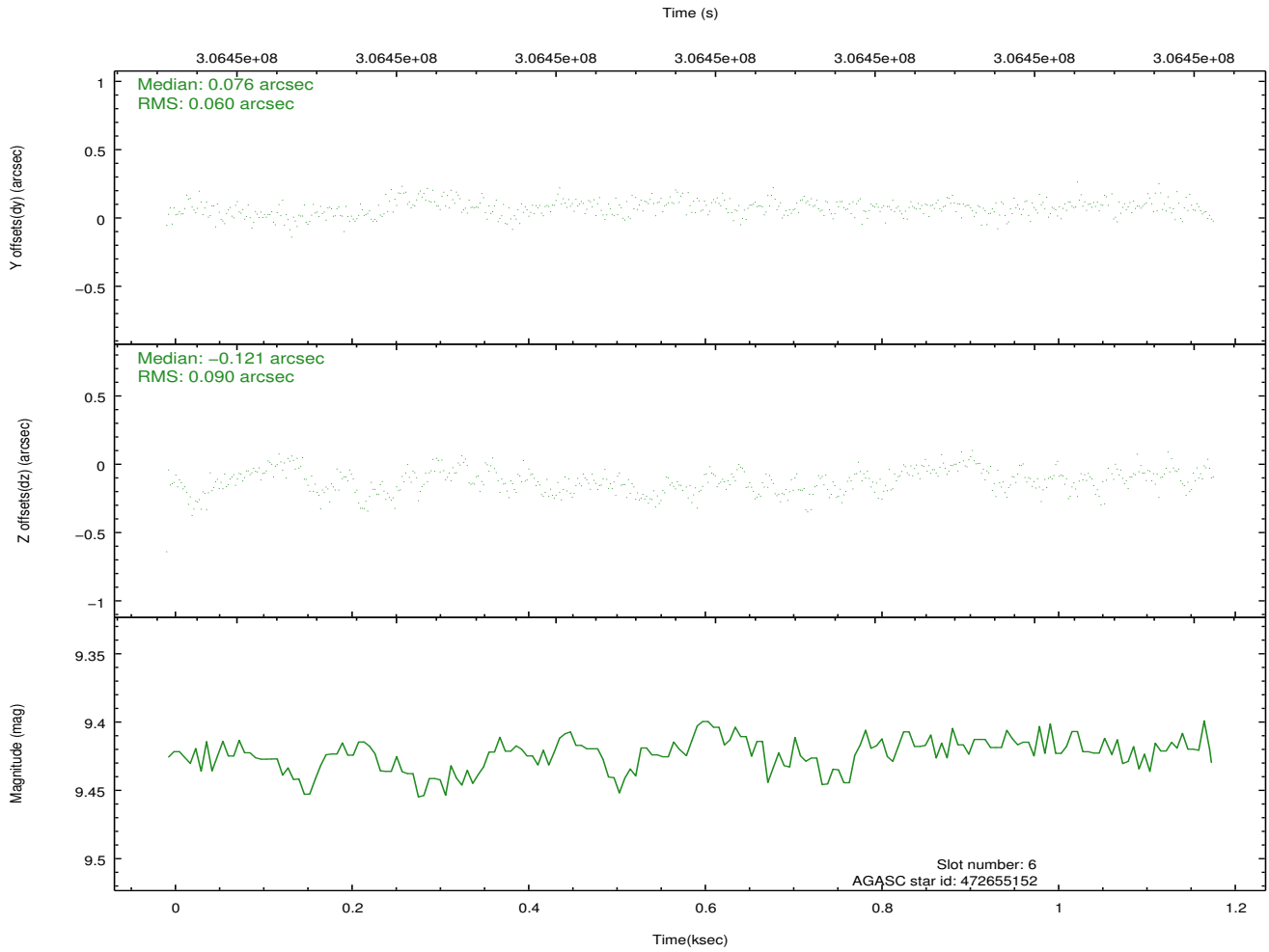
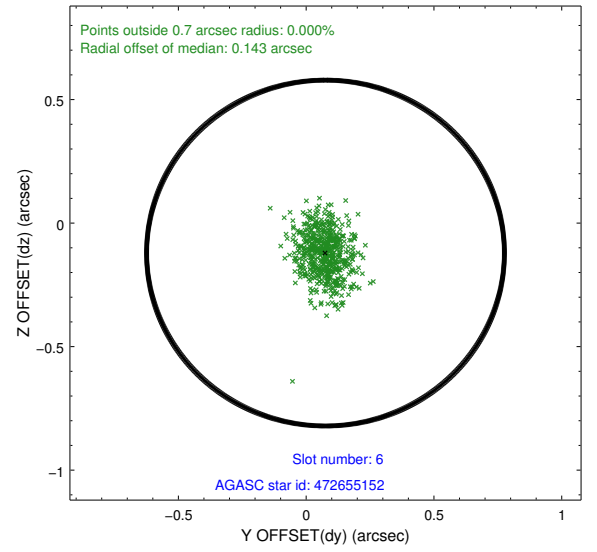
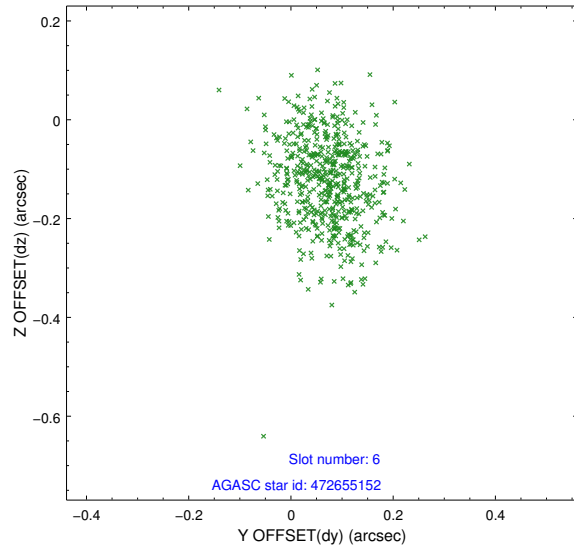
## 2.4.2 Slot 4



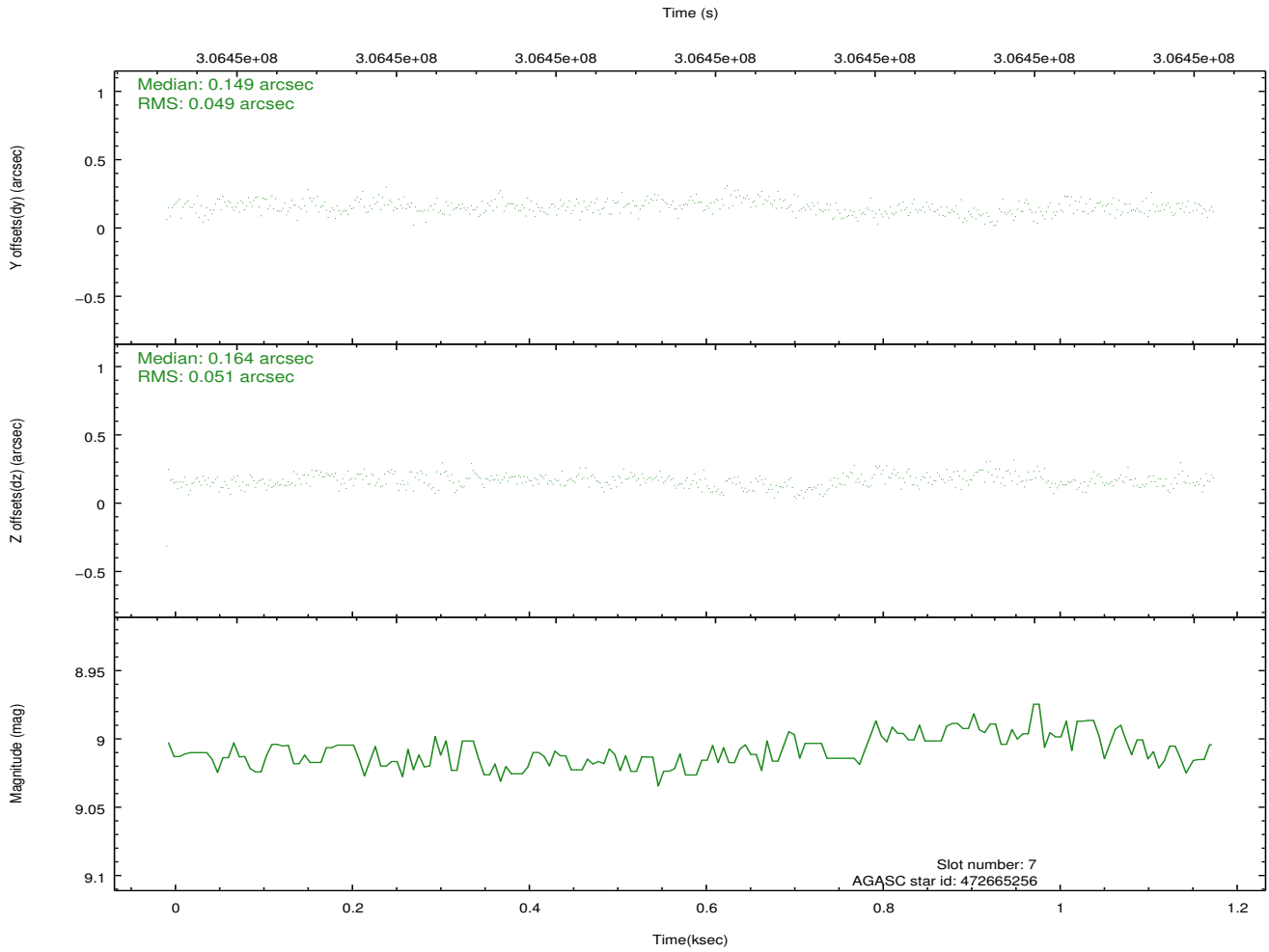
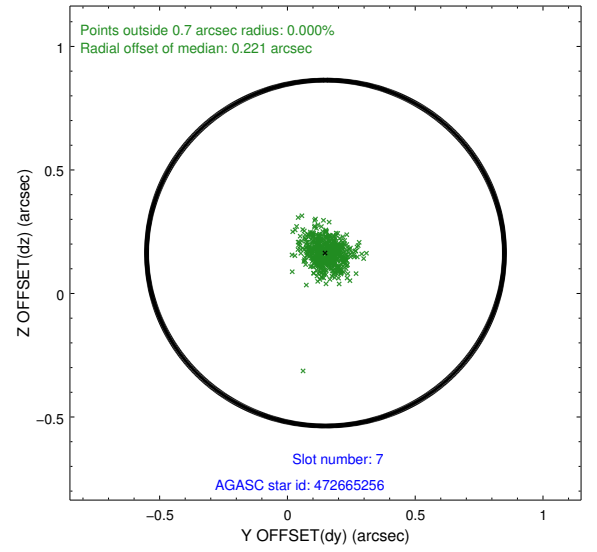
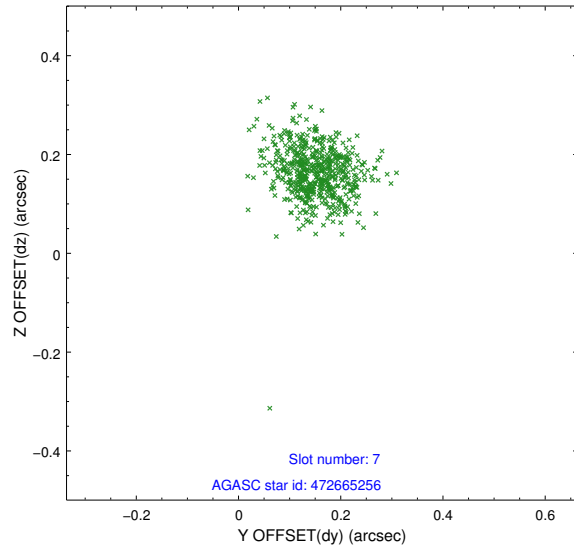
### 2.4.3 Slot 5



## 2.4.4 Slot 6

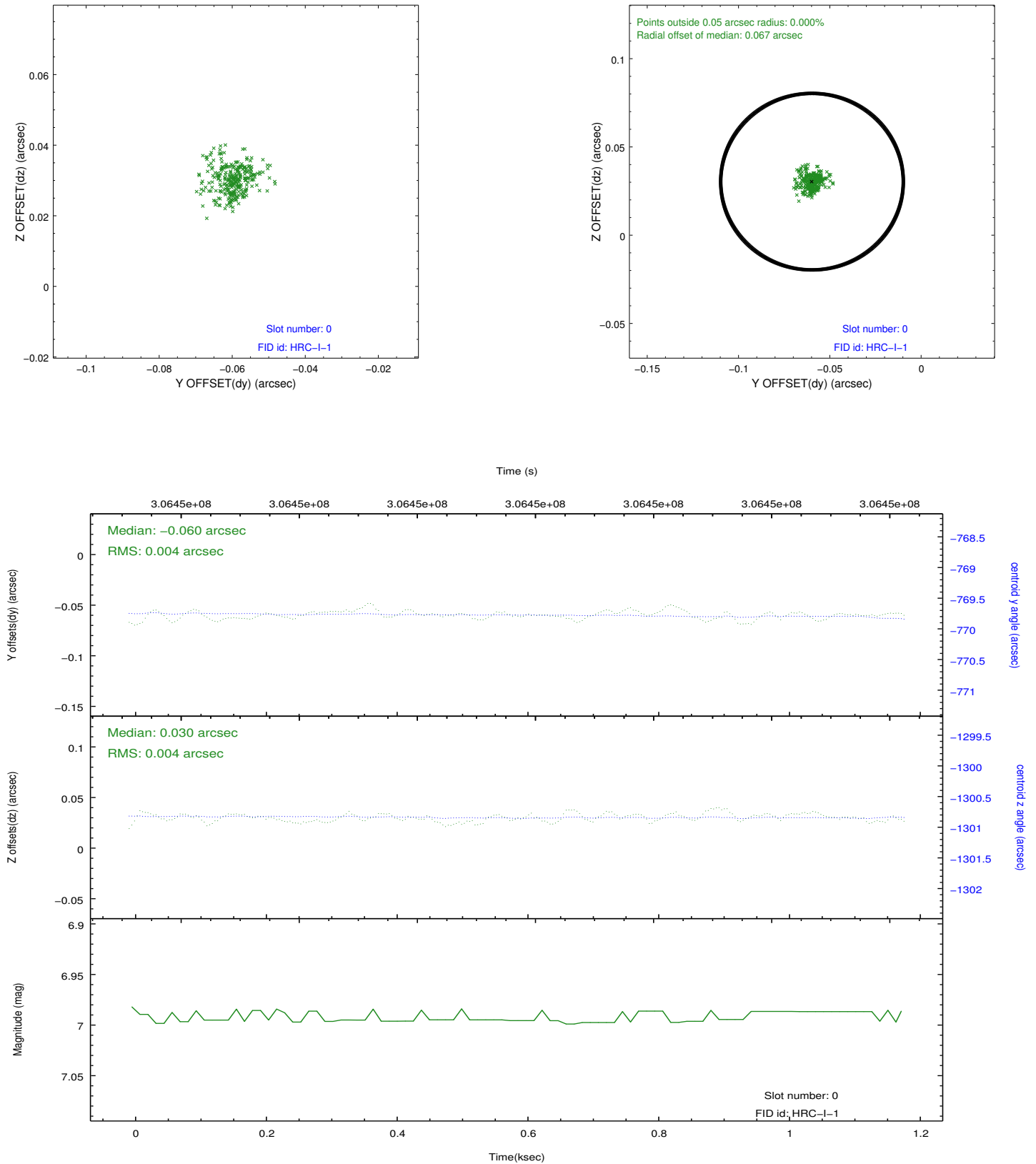


## 2.4.5 Slot 7

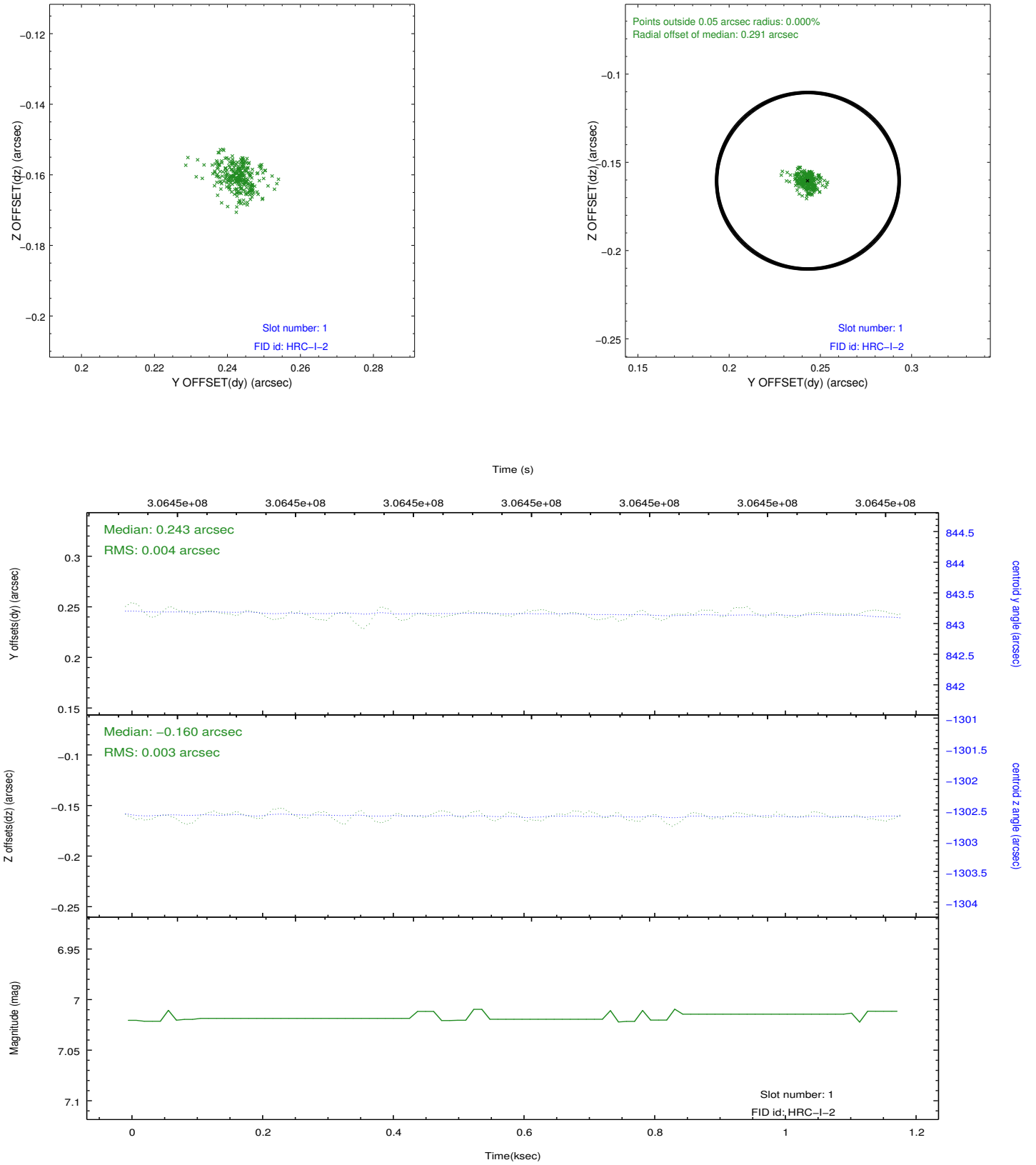


## 2.5 FID Slots

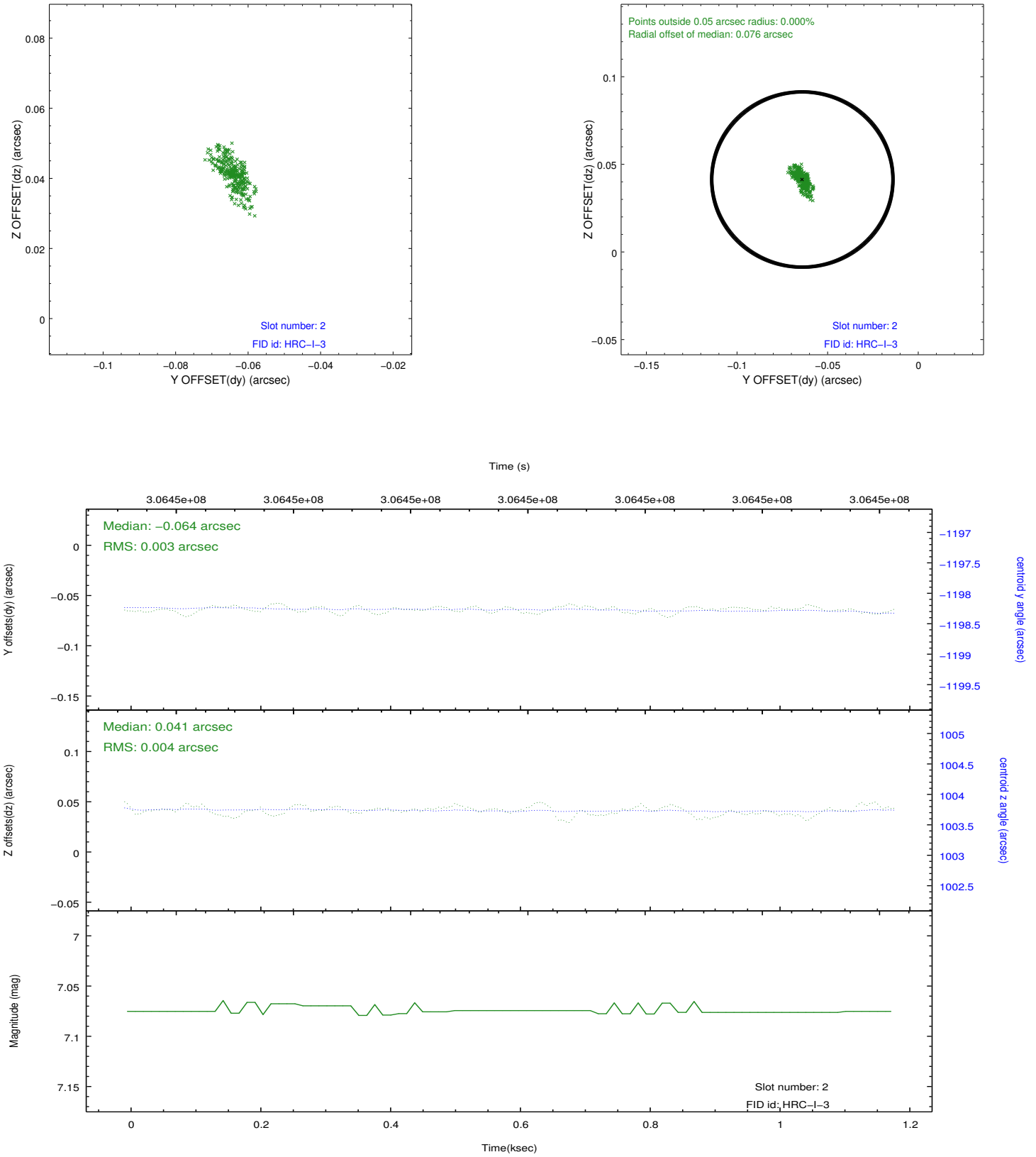
### 2.5.1 Slot 0



## 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)	2012.08.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1841313

### A.2 Comments