

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 6528 - L2 Version 4  
Chandra X-Ray Center

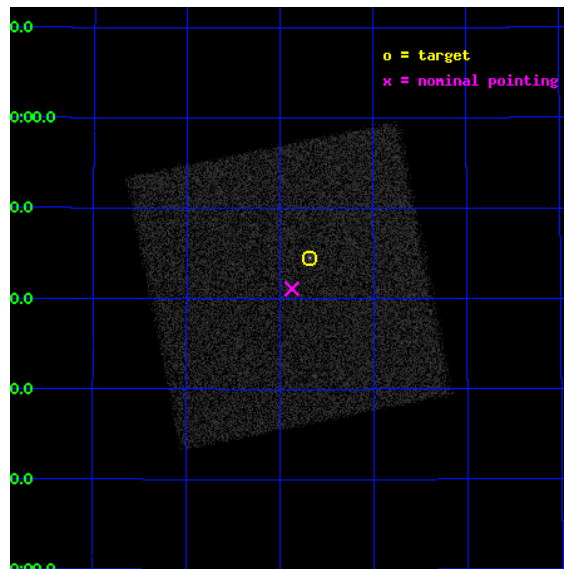
L2 Processing Date : Aug 11 2012

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# 1 Front

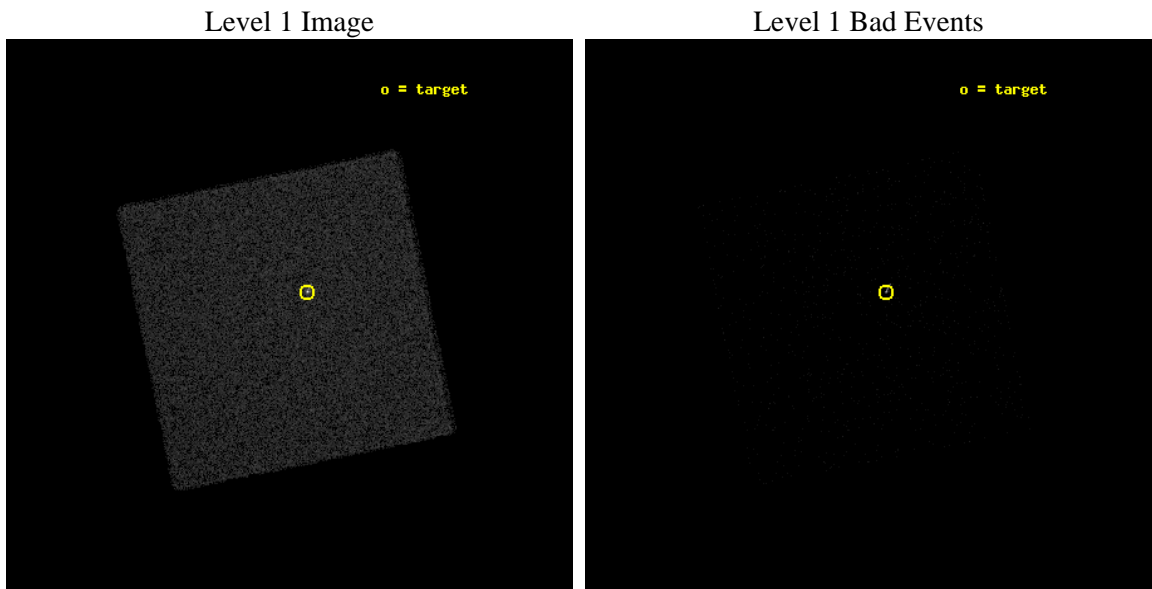
seq_num	290621	Sequence number
obs_id	6528	Observation id
title	AO7 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.21823947566	Nominal RA [deg]
dec_nom	45.685388851009	Nominal Dec [deg]
roll_nom	213.43915058596	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1184.1313055754	[s]
livetime	1173.1779026391	Ontime multiplied by DTCOR
l2events	63409	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	1184.1313055754	[s]
caldbver	4.5.1.1	&#160	l1events	117542	Number of level 1 events
date	2012-08-11T13:00:43	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

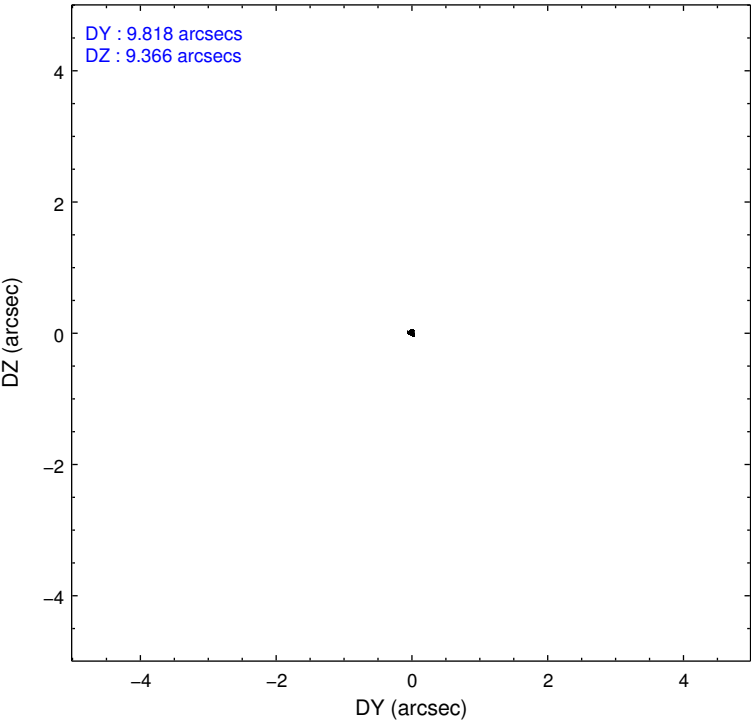
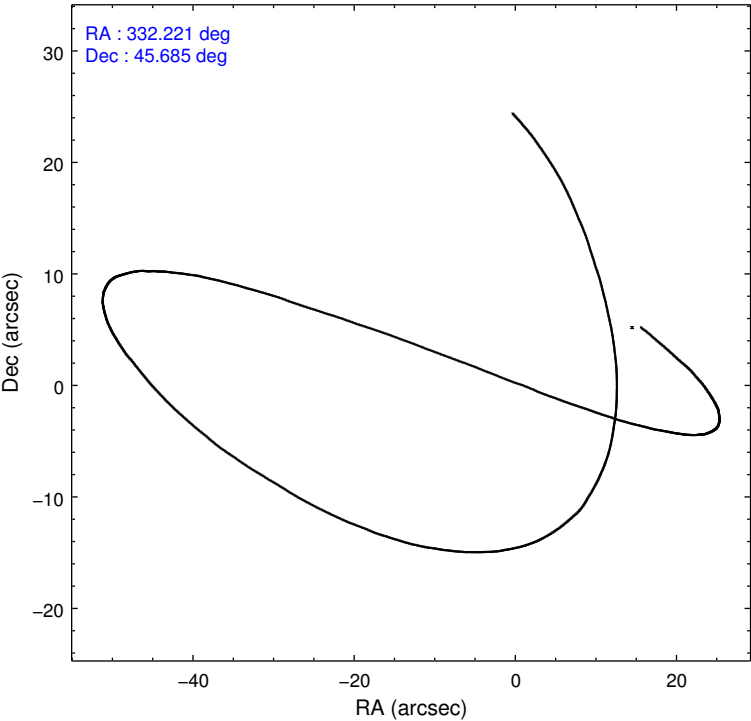
	<b>segment 0</b>
level 1 events	117542
rejected events	25276
rejected %	21%

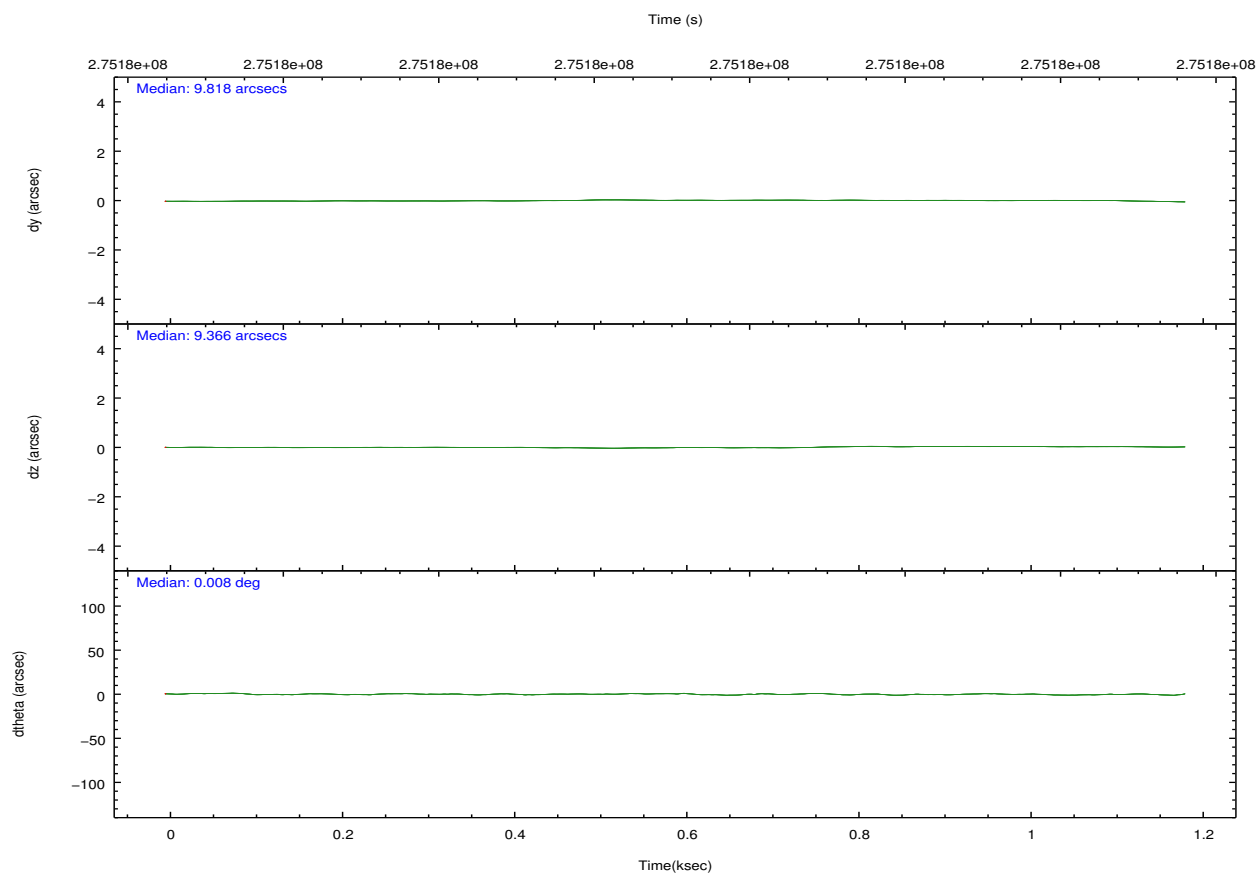
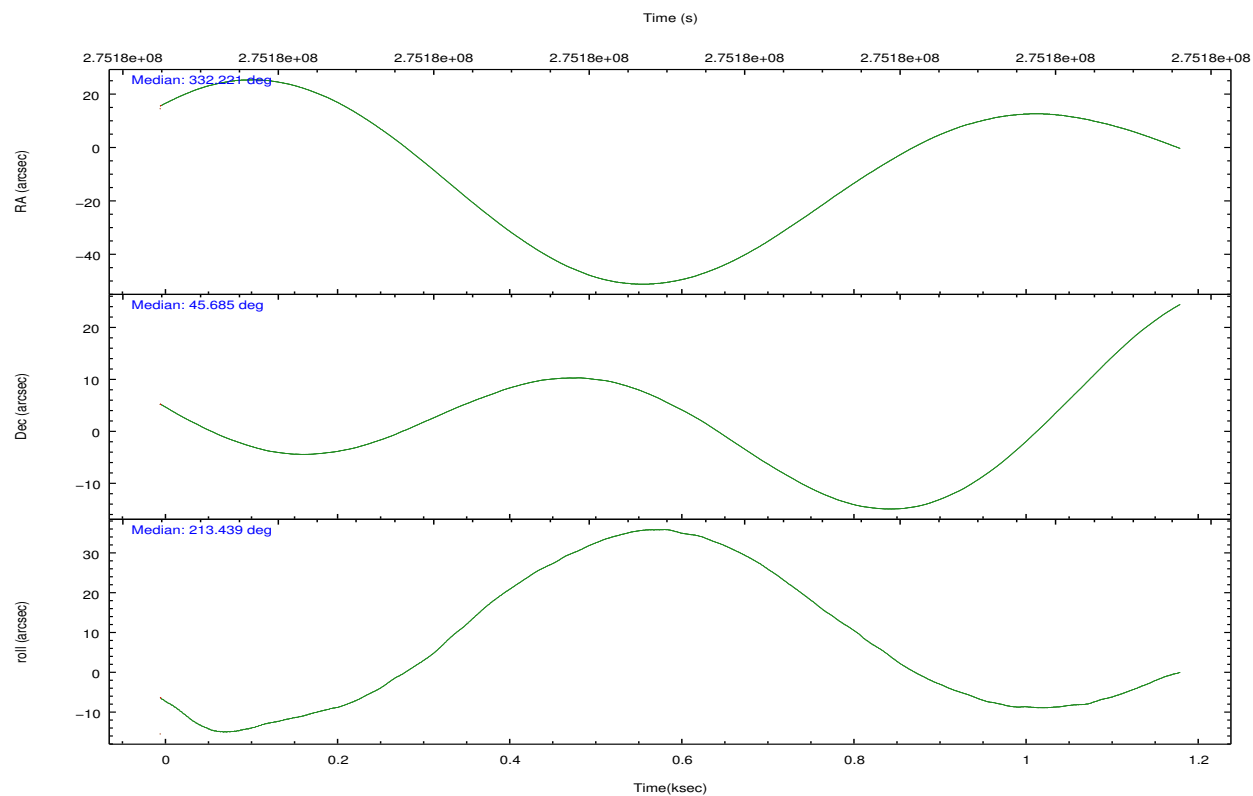
## 2.2 Compared Parameters

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	332.233455	332.2182394756566
[deg] Pointing Dec	45.710484	45.68538885100904
[deg] Pointing Roll	213.523690	213.4391505859646
[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)	275183892.184000	275183515.85149
Observation start date	2006-09-20T23:57:07	2006-09-20T23:51:55
[s] Observation end time (MET)	275184892.184000	275185025.67656
Observation end date	2006-09-21T00:13:47	2006-09-21T00:17:05

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

2.3 Aspect





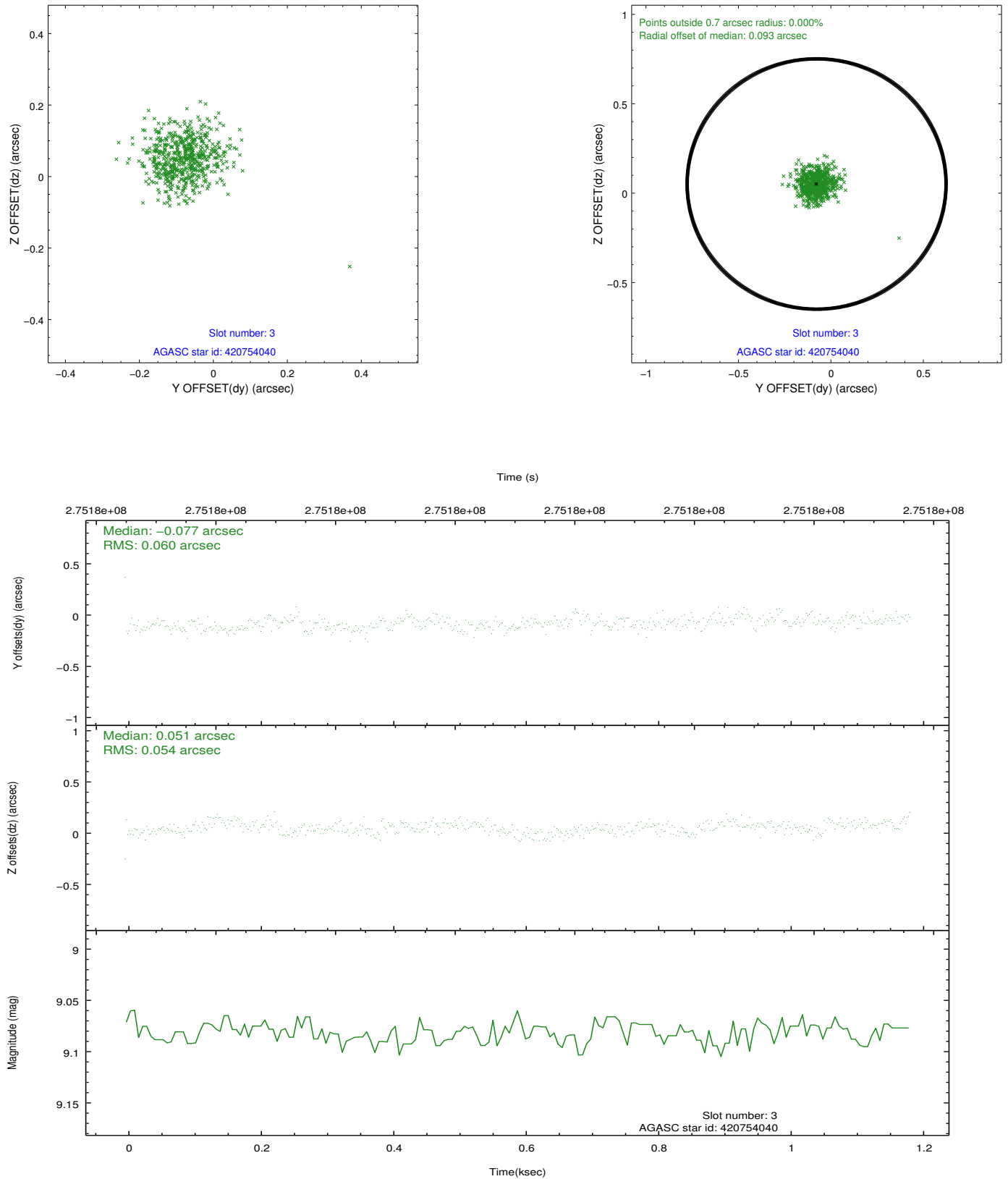
### Slot Statistics

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	290	-0.017	0.041	0.009	0.015	0.000000	0.000000	-765.48	-1297.25
1	FID	HRC-I-2	7.00	290	0.131	-0.086	0.007	0.012	0.000000	0.000000	844.66	-1303.41
2	FID	HRC-I-3	7.06	290	0.004	-0.045	0.007	0.011	0.000000	0.000000	-1191.05	1002.73
3	GUIDE	420754040	9.08	579	-0.077	0.051	0.083	0.137	331.917939	44.882543	2317.39	2035.83
4	GUIDE	472523760	8.25	579	-0.022	-0.133	0.059	0.099	331.645363	45.403260	1852.98	96.44
5	GUIDE	472655152	9.45	578	0.035	0.056	0.105	0.168	332.504239	45.862991	-864.61	-86.88
6	GUIDE	472665256	9.01	578	0.114	-0.058	0.077	0.128	332.808125	46.195041	-2159.56	-671.24
7	GUIDE	472659832	9.46	578	-0.048	0.086	0.099	0.159	332.780399	46.098139	-1913.48	-417.76

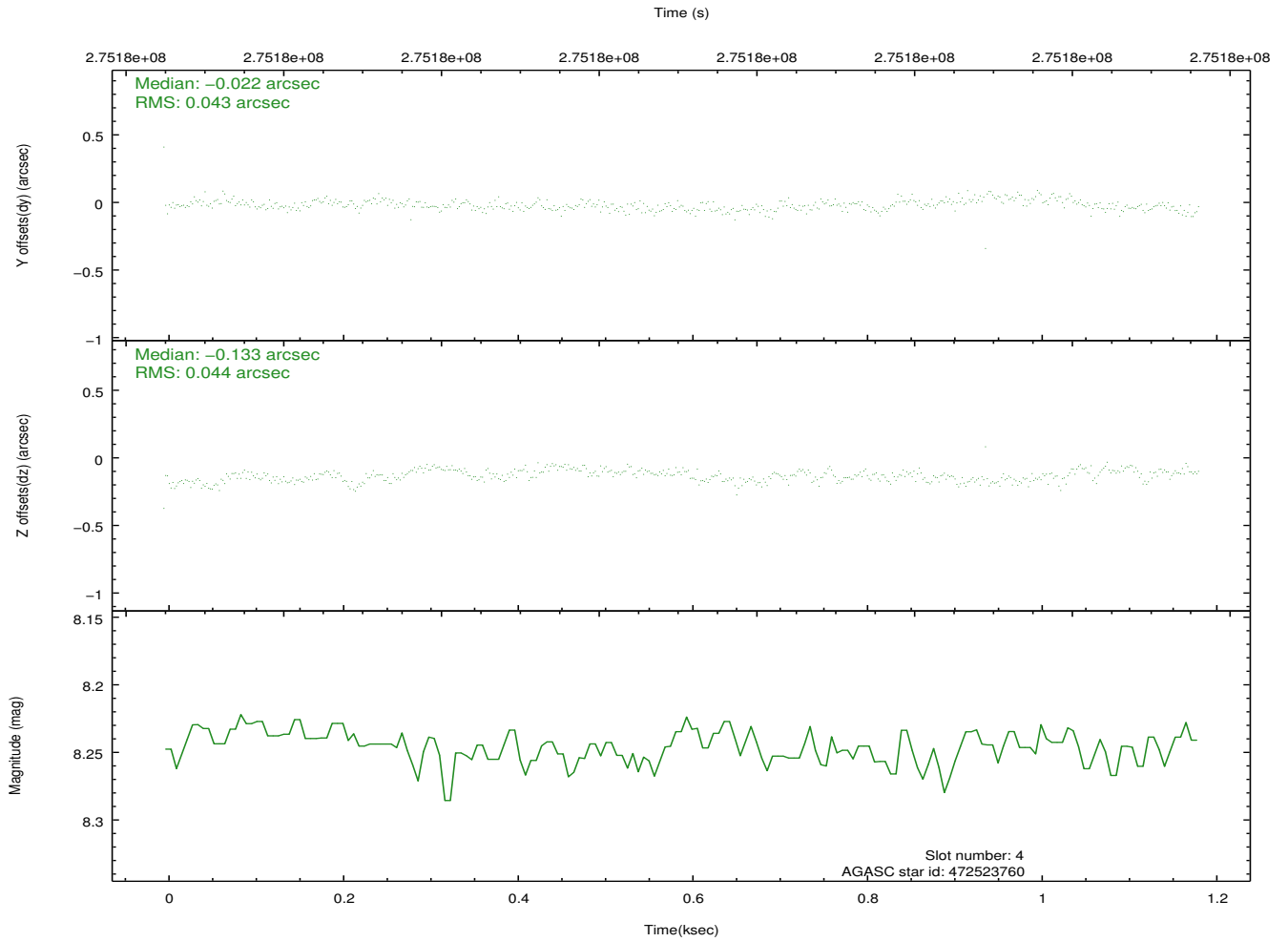
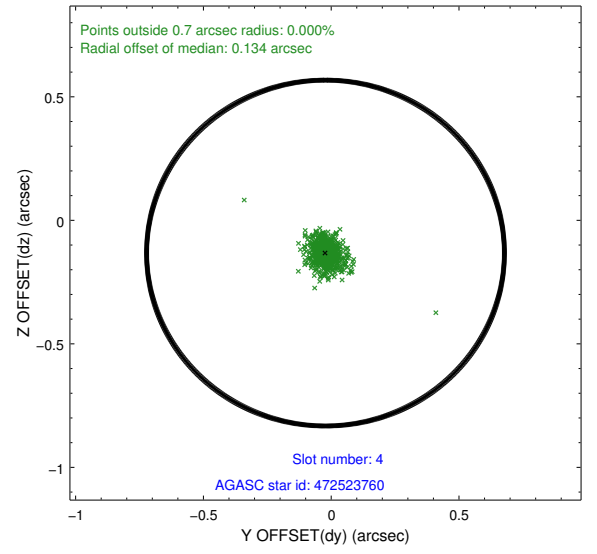
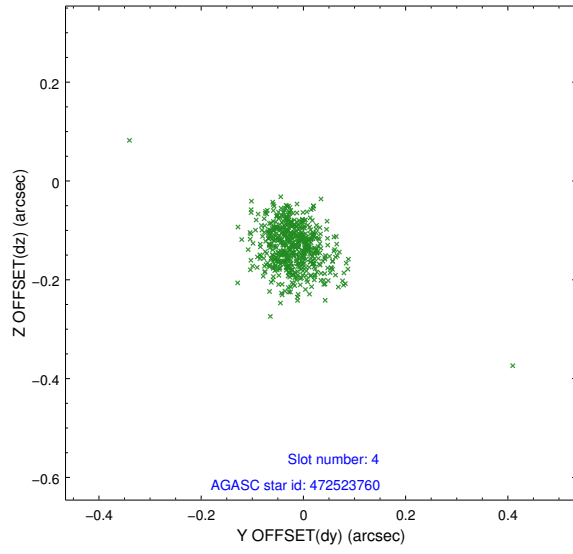


## 2.4 Star Slots

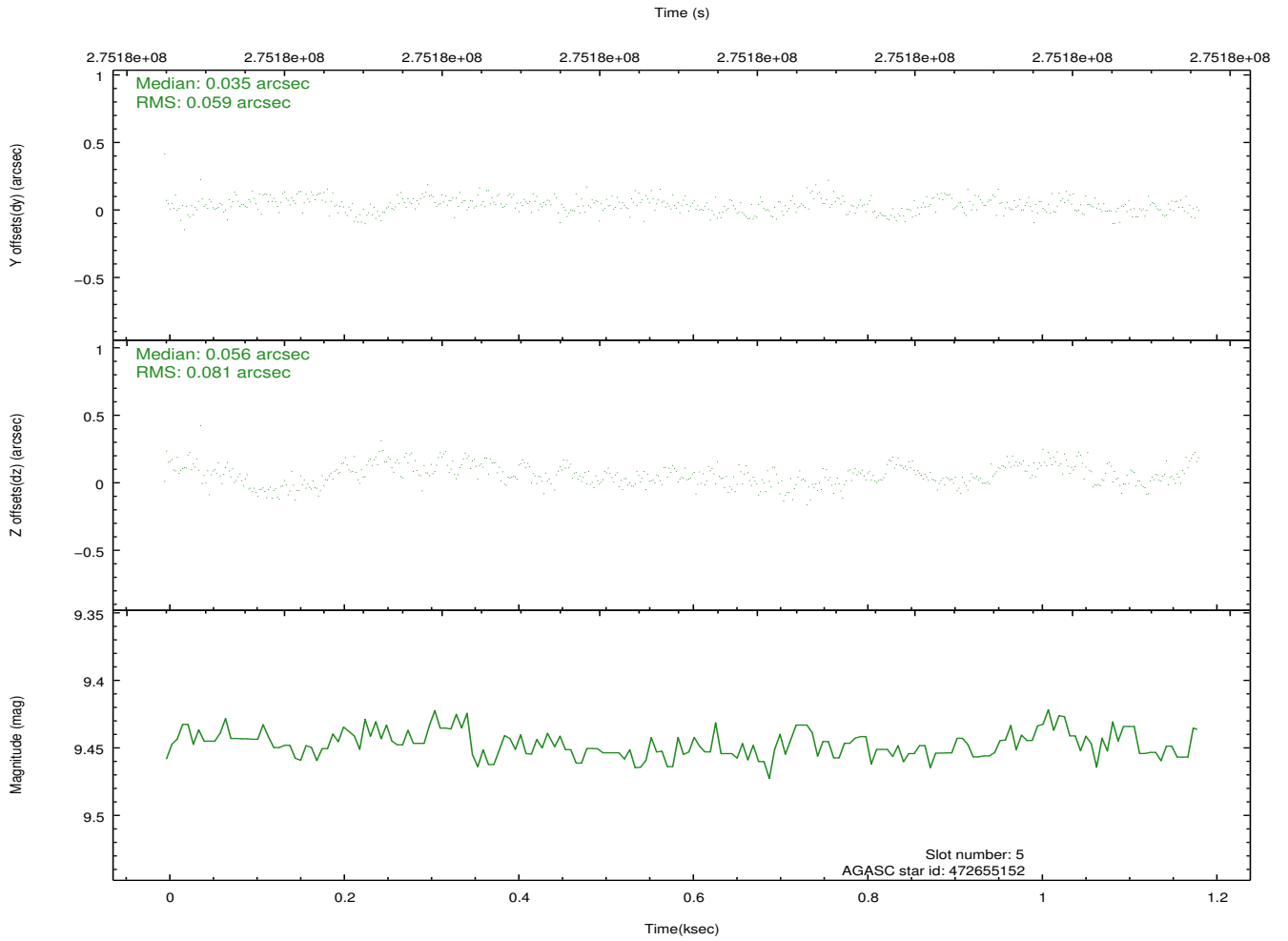
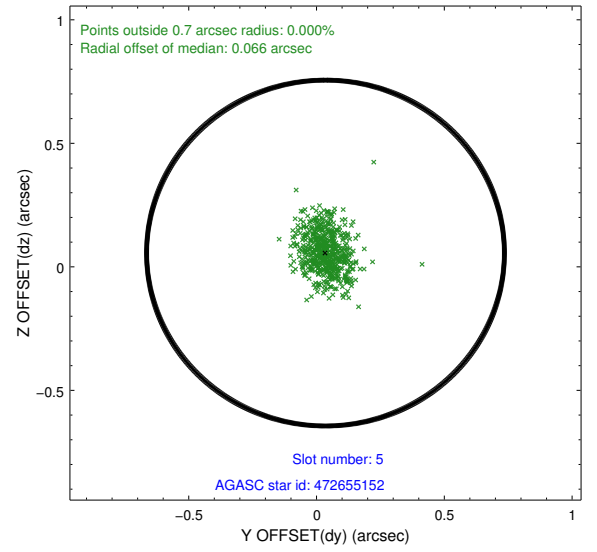
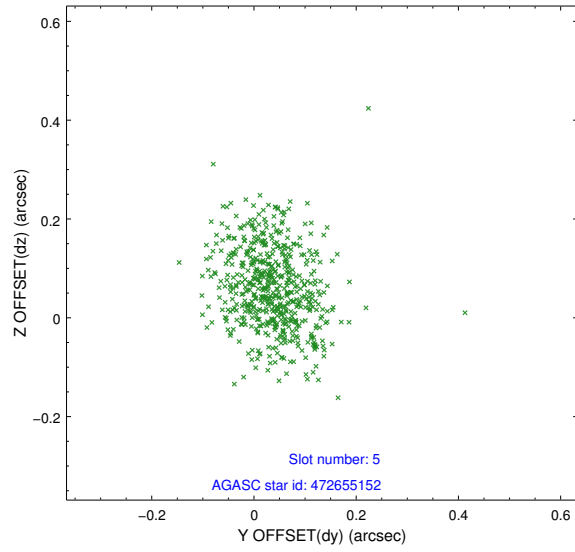
### 2.4.1 Slot 3



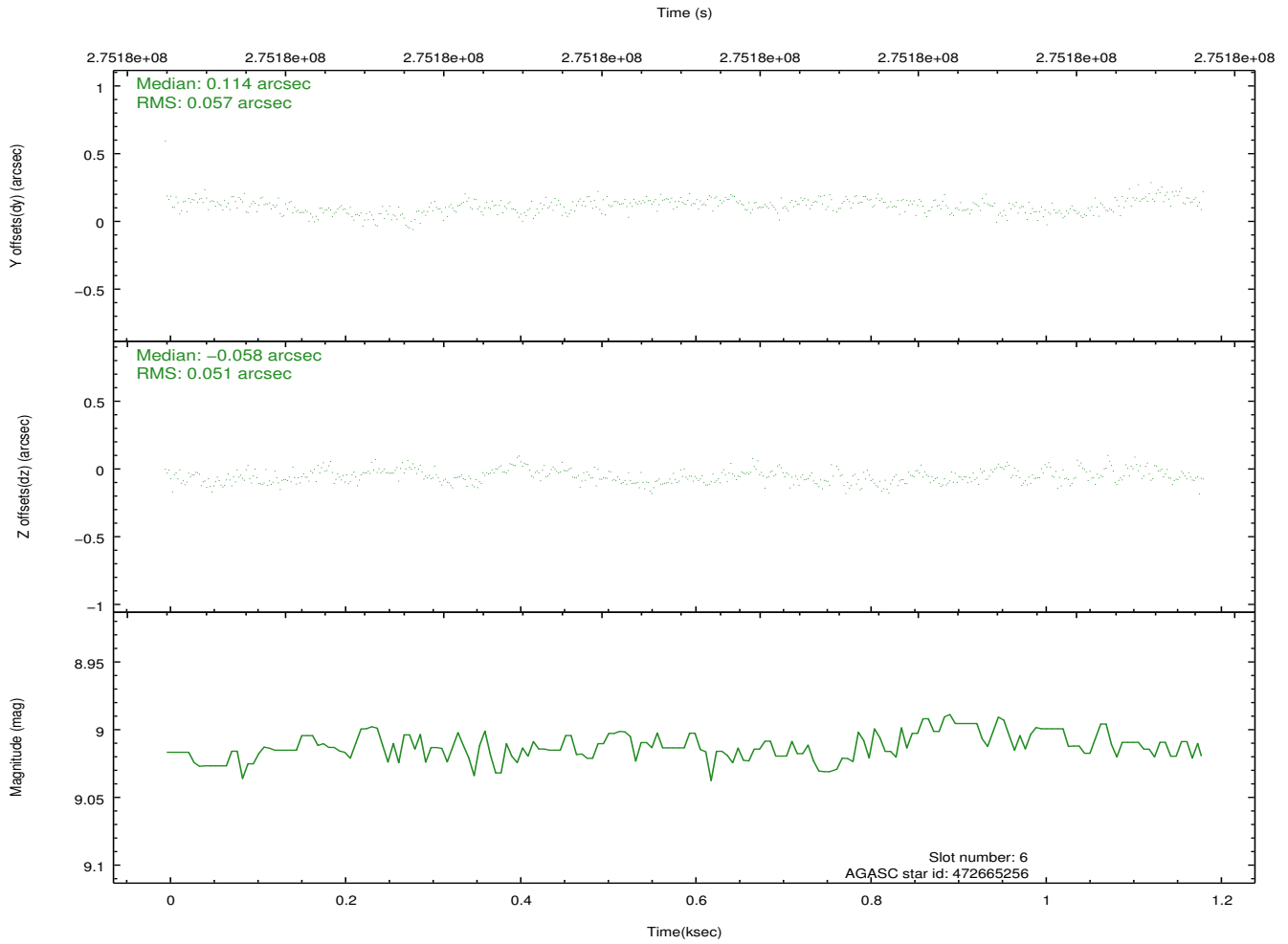
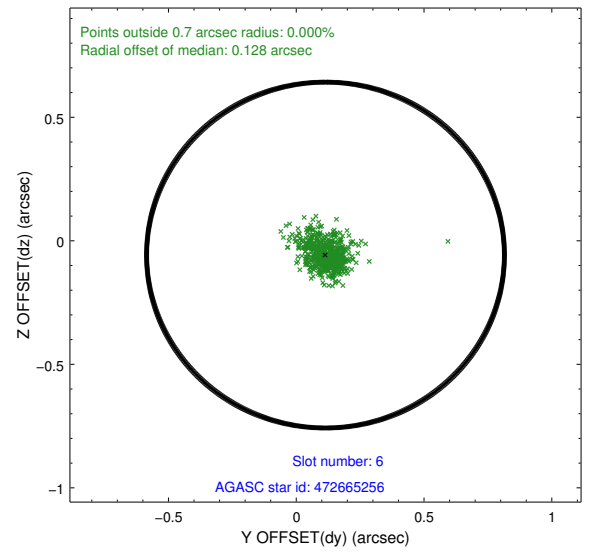
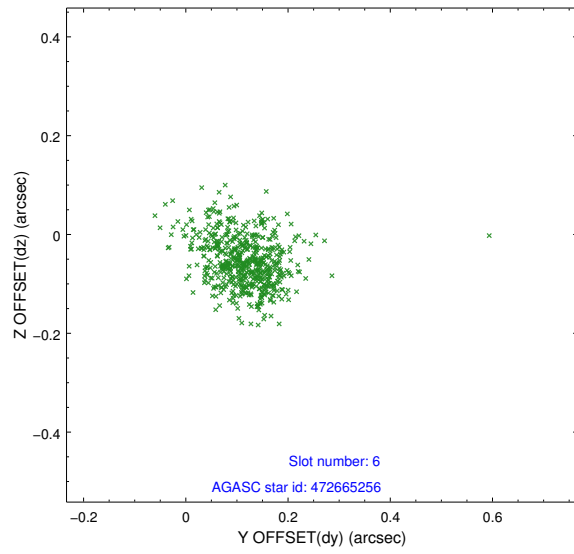
## 2.4.2 Slot 4



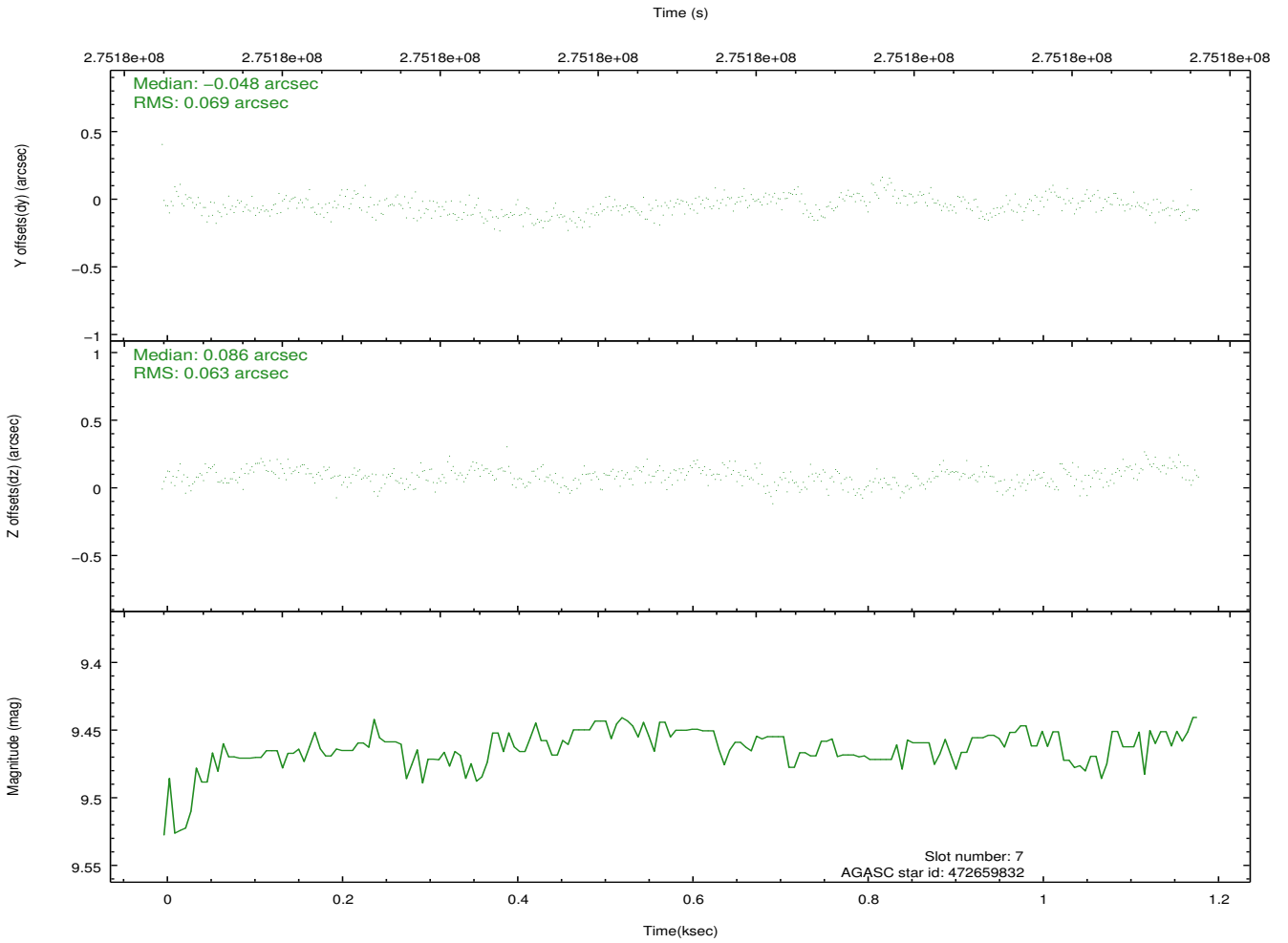
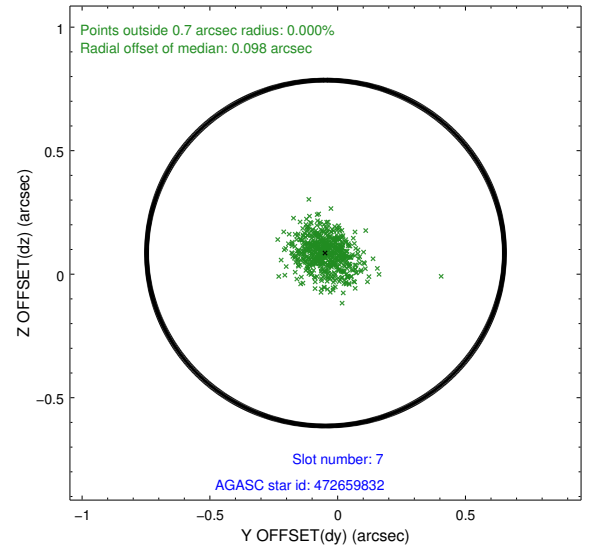
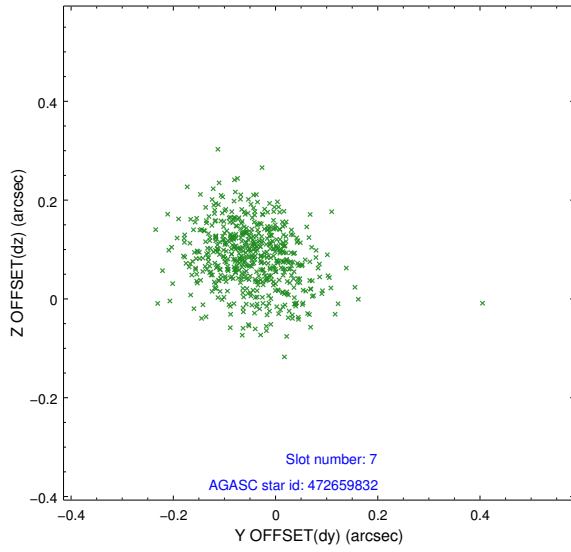
### 2.4.3 Slot 5



## 2.4.4 Slot 6

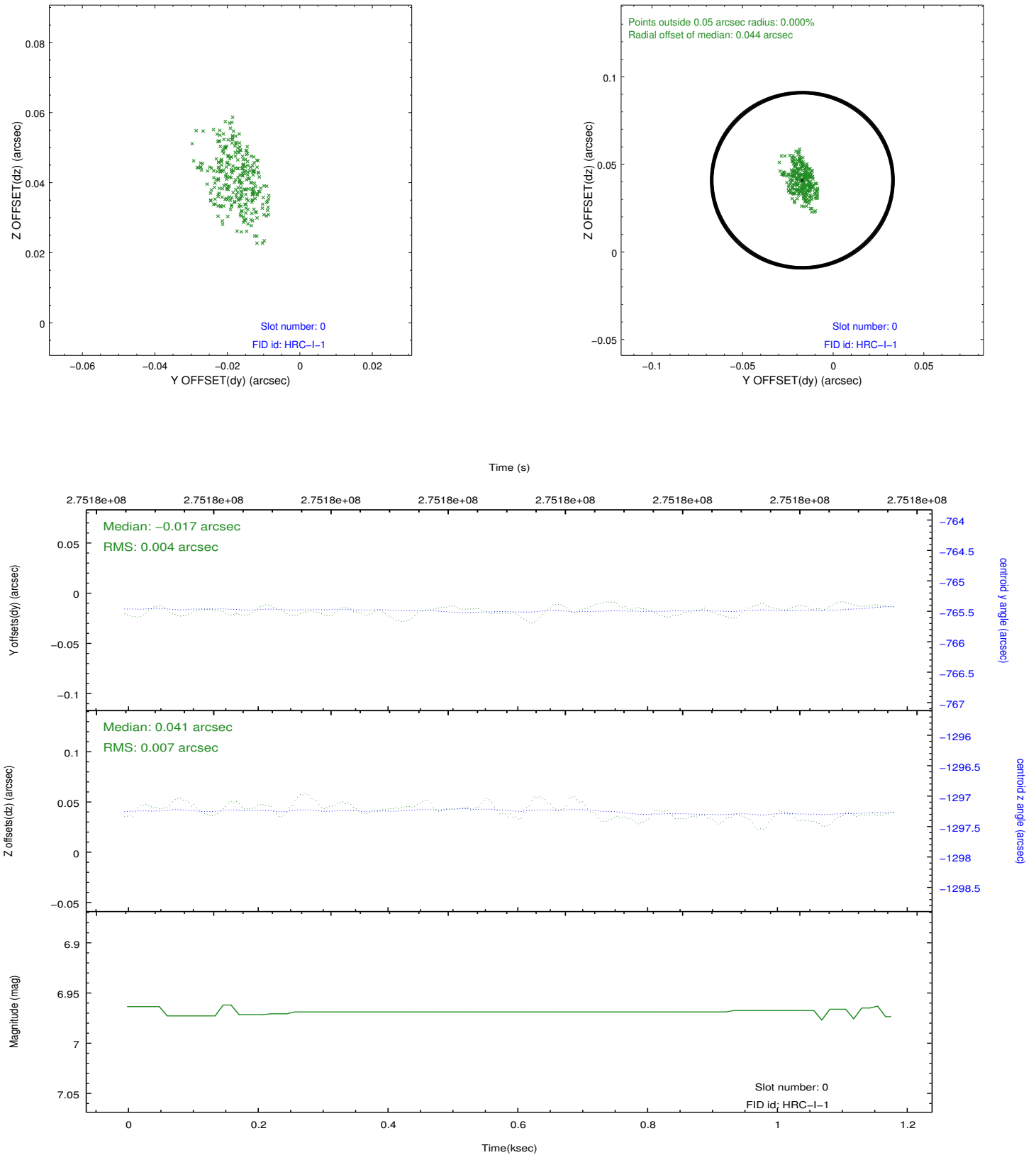


## 2.4.5 Slot 7

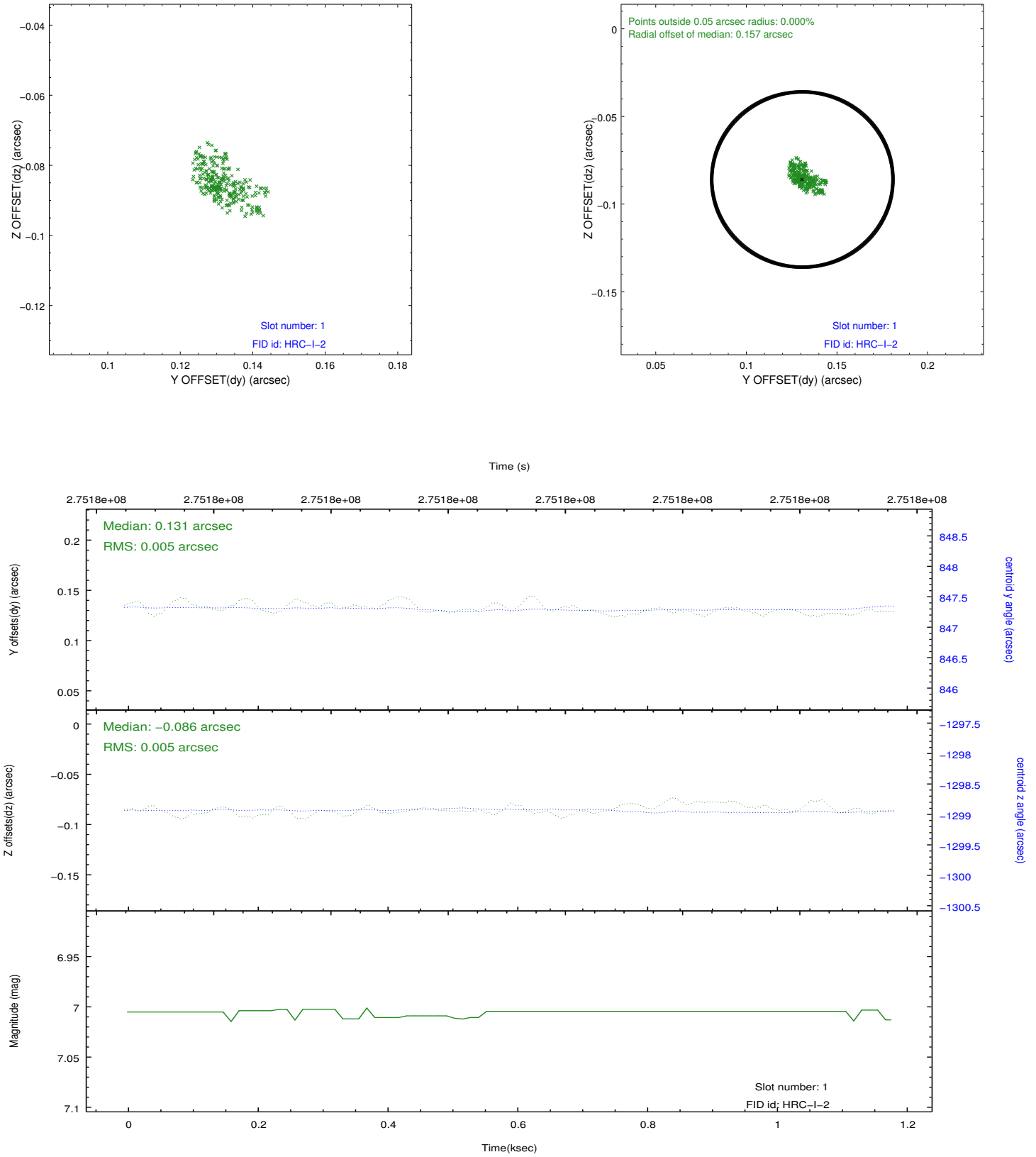


## 2.5 FID Slots

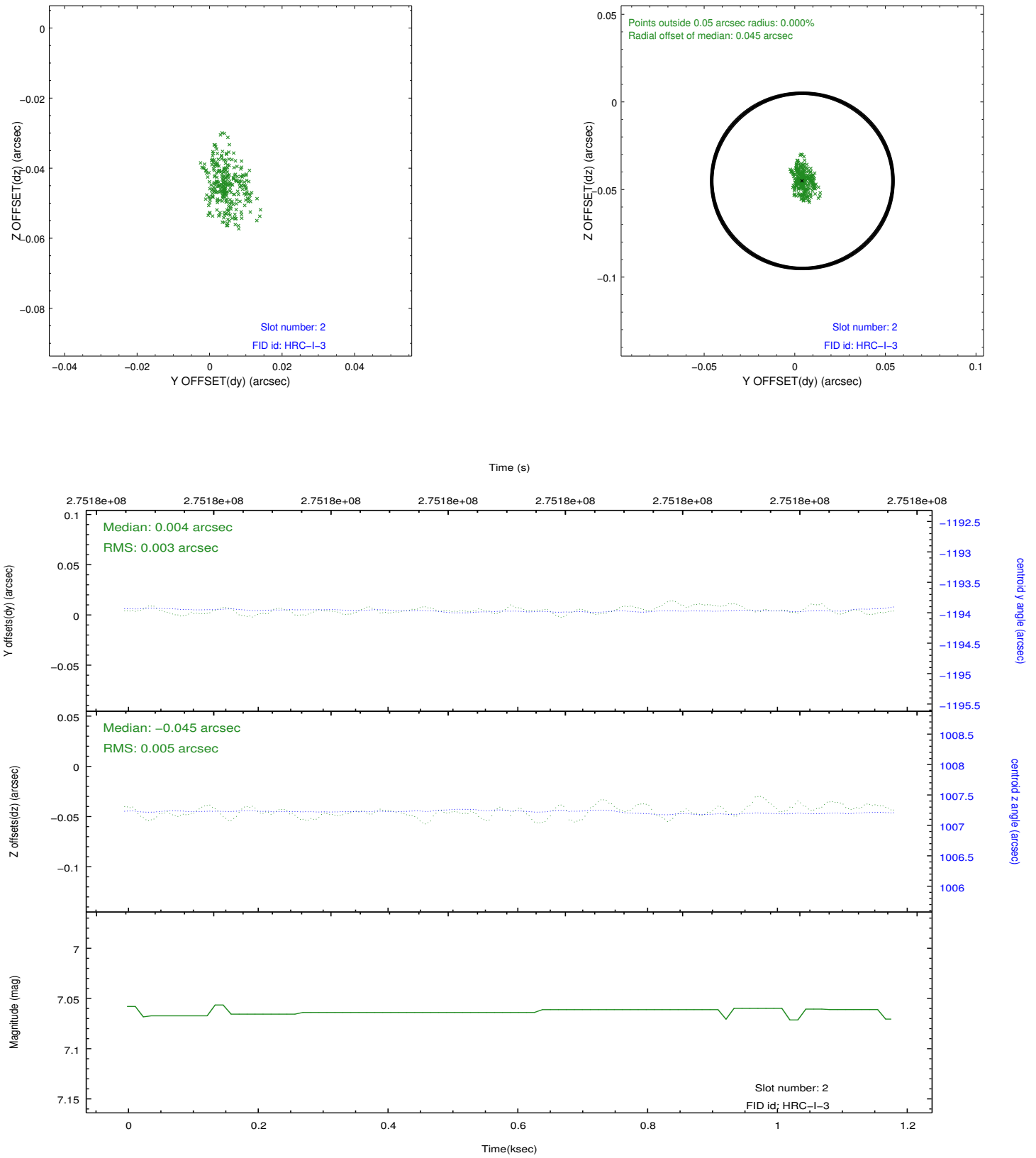
### 2.5.1 Slot 0



## 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	1.1841313

### A.2 Comments