

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 6534 - L2 Version 4  
Chandra X-Ray Center

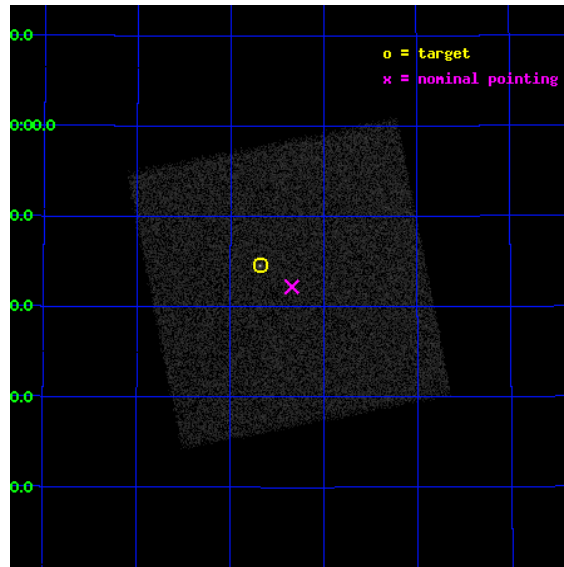
L2 Processing Date : Aug 11 2012

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# 1 Front

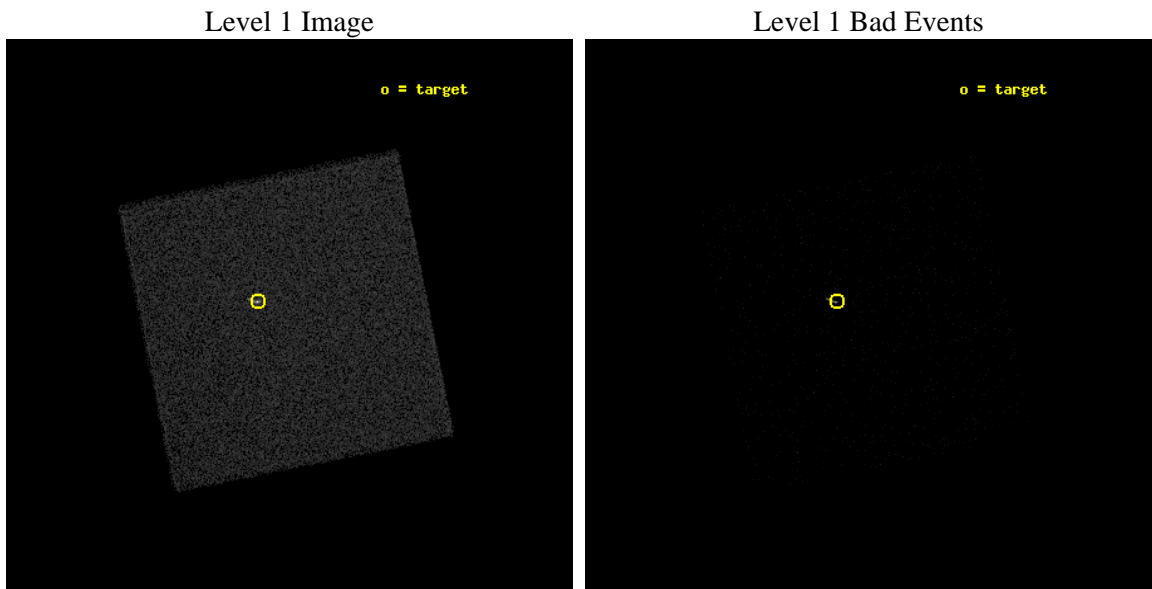
seq_num	290627	Sequence number
obs_id	6534	Observation id
title	AO7 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.08525573842	Nominal RA [deg]
dec_nom	45.703616291932	Nominal Dec [deg]
roll_nom	213.71250139776	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1184.1313055754	[s]
livetime	1173.190479107	Ontime multiplied by DTCOR
l2events	63644	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	118015	Number of level 1 events
date	2012-08-11T12:21:12	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

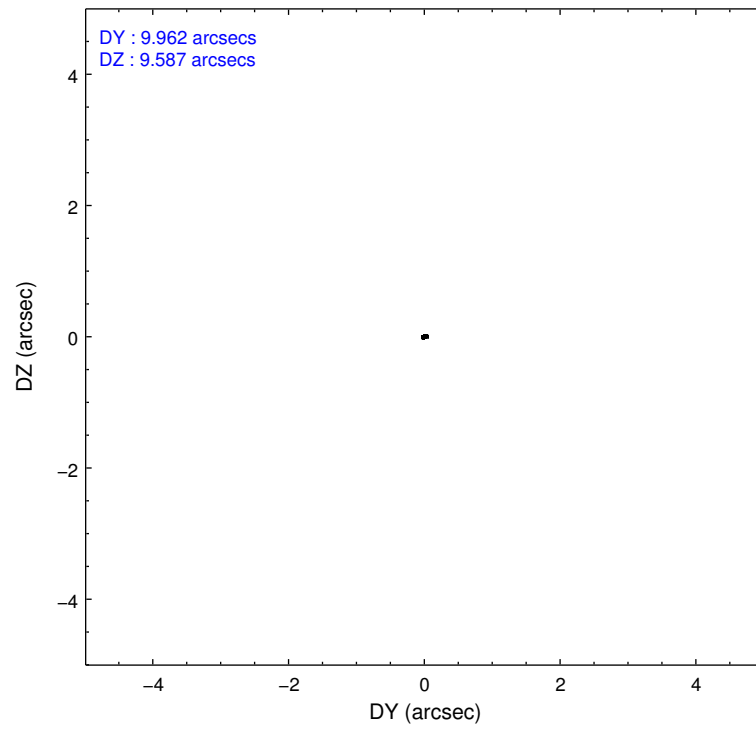
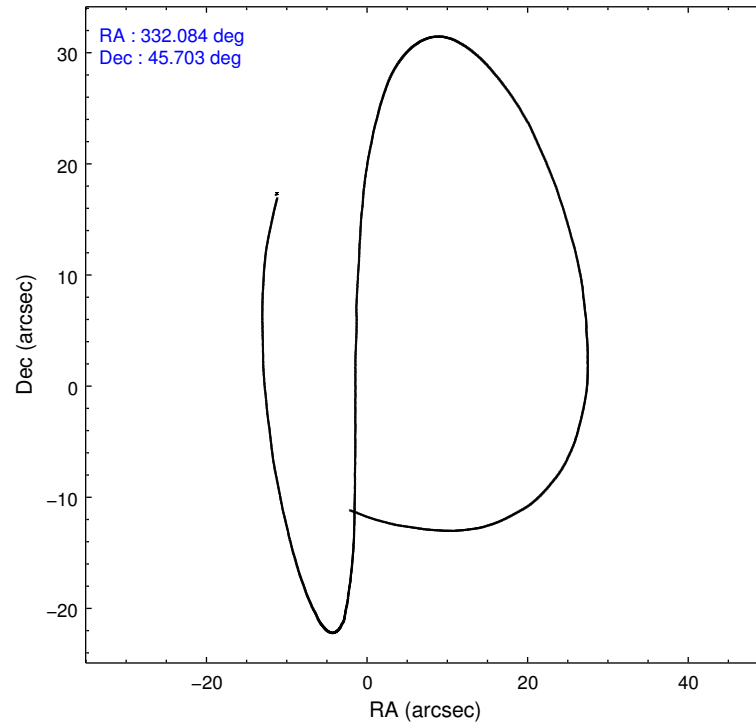
	<b>segment 0</b>
level 1 events	118015
rejected events	25521
rejected %	21%

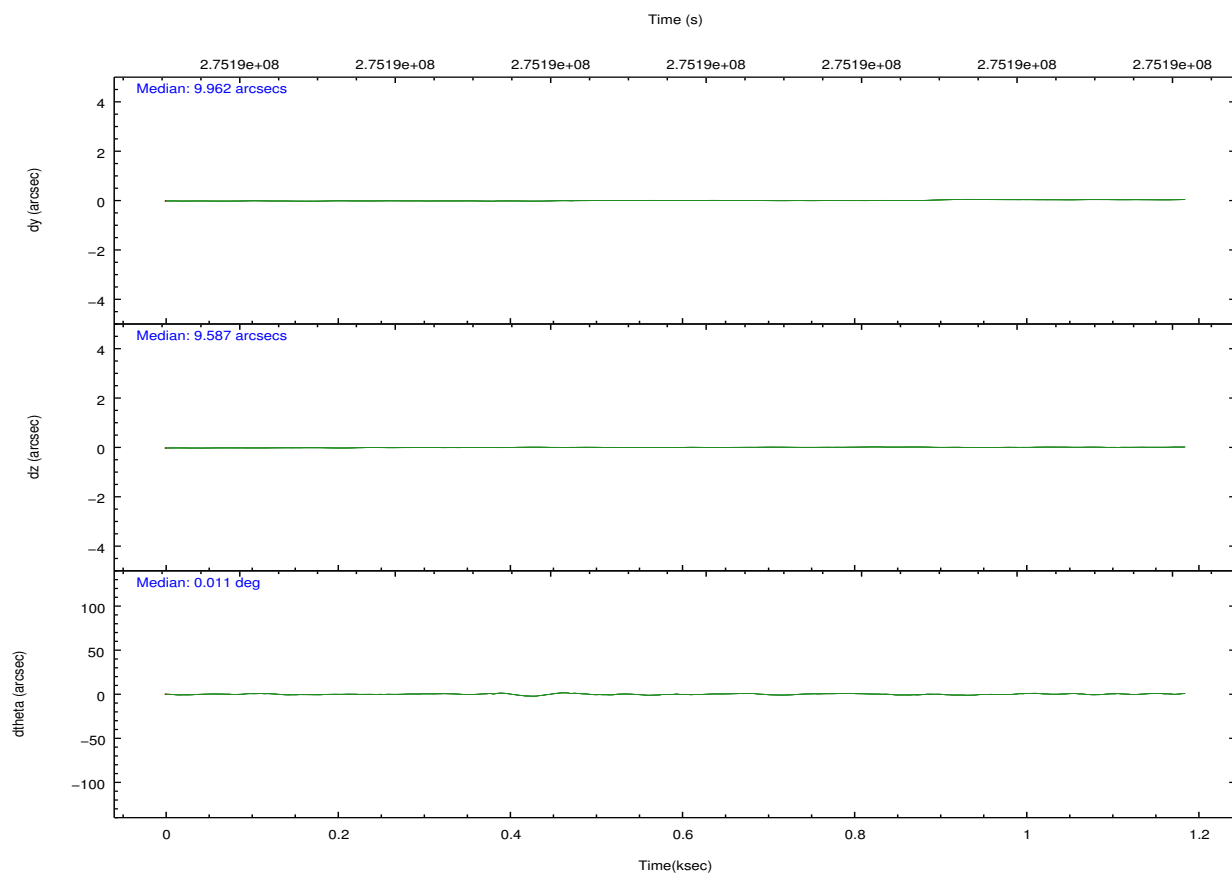
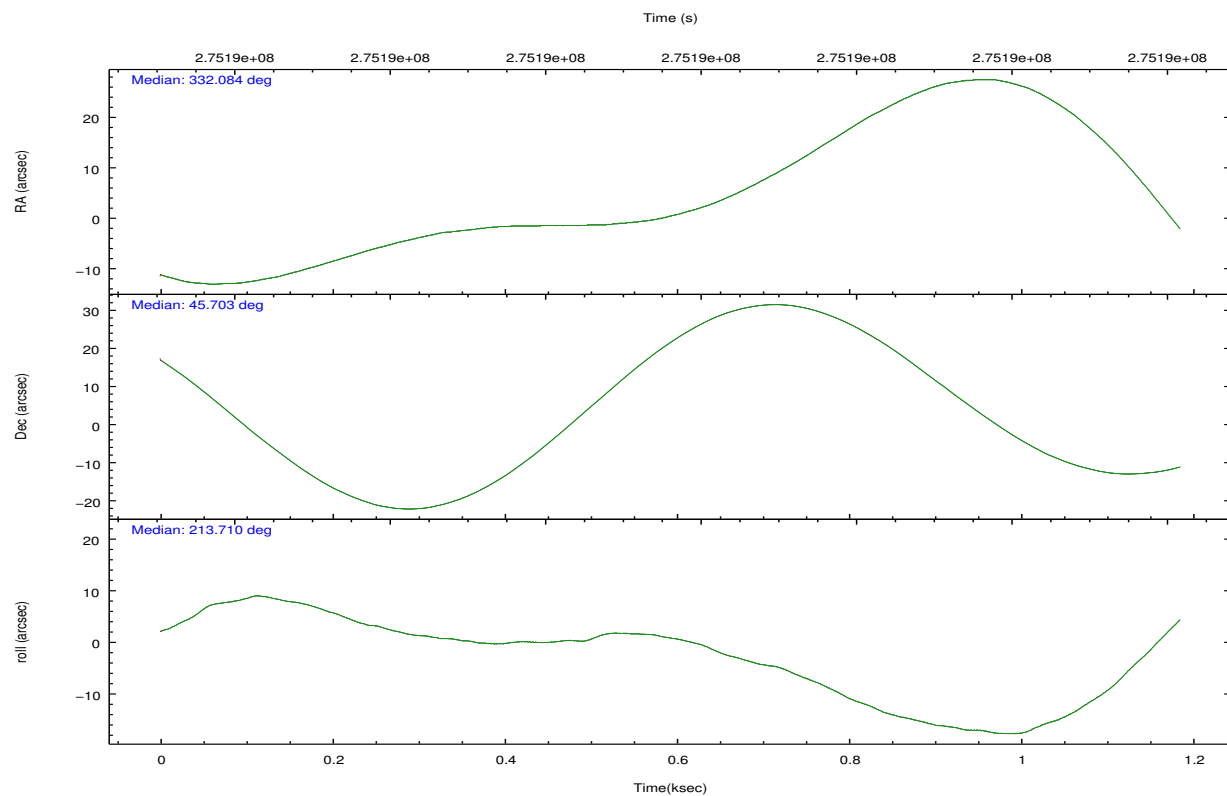
## 2.2 Compared Parameters

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	332.101146	332.0852557384206
[deg] Pointing Dec	45.729009	45.70361629193178
[deg] Pointing Roll	213.796647	213.7125013977618
[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)	275192952.184000	275192575.82691
Observation start date	2006-09-21T02:28:07	2006-09-21T02:22:55
[s] Observation end time (MET)	275193952.184000	275194085.65198
Observation end date	2006-09-21T02:44:47	2006-09-21T02:48:05

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

## 2.3 Aspect





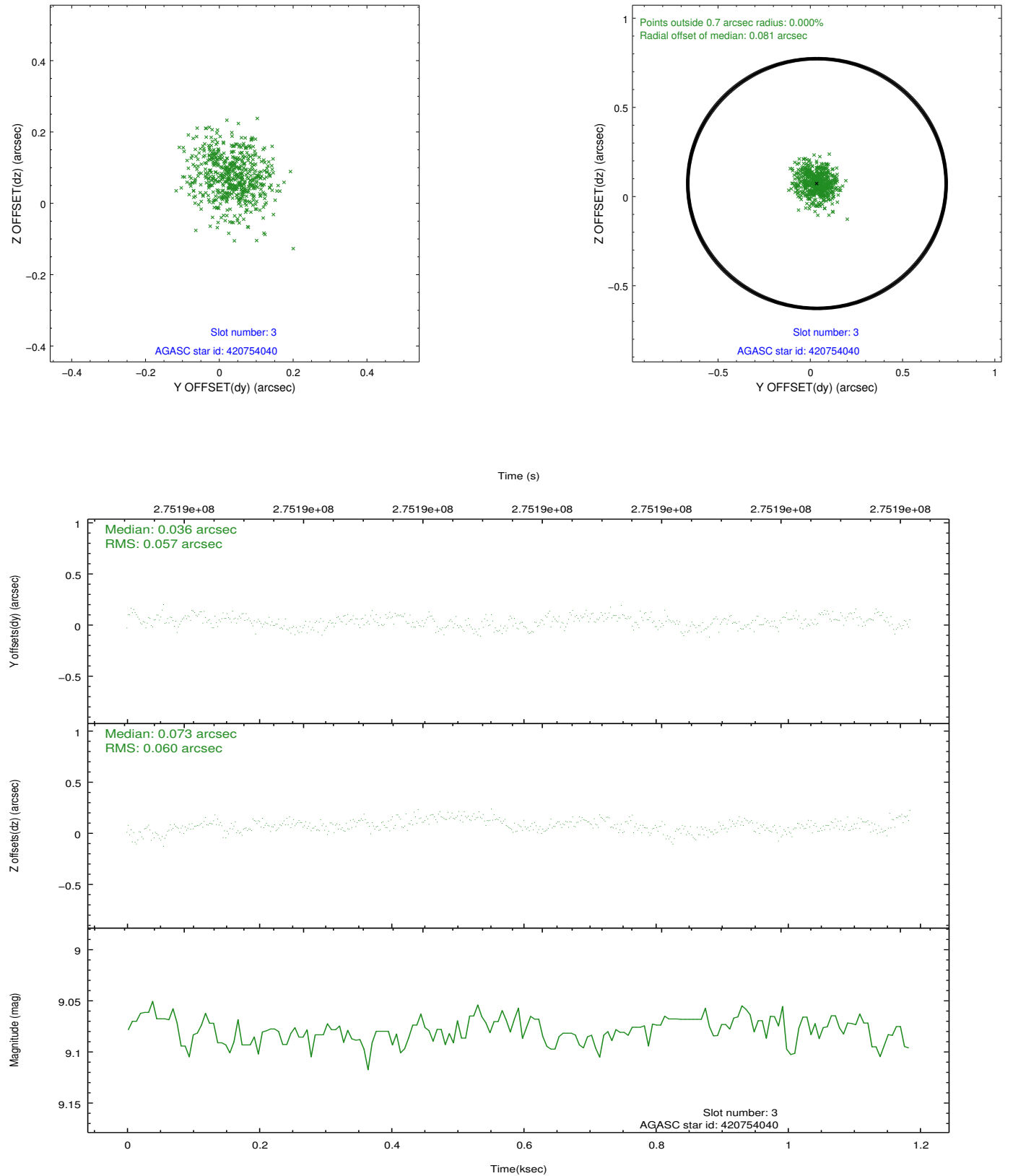
Slot Statistics

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	-0.023	-0.024	0.006	0.011	0.000000	0.000000	-765.71	-1297.50
1	FID	HRC-I-2	7.01	290	0.107	-0.047	0.007	0.012	0.000000	0.000000	844.41	-1303.63
2	FID	HRC-I-4	6.99	290	0.033	-0.022	0.006	0.009	0.000000	0.000000	1280.15	1000.09
3	GUIDE	420754040	9.08	579	0.036	0.073	0.090	0.142	331.917939	44.882543	2082.03	2269.45
4	GUIDE	472523760	8.25	579	0.002	-0.004	0.065	0.104	331.645363	45.403260	1611.24	332.02
5	GUIDE	472533912	9.16	578	-0.013	0.155	0.114	0.201	331.791136	46.368695	-639.24	-2345.68
6	GUIDE	472651904	6.17	579	-0.089	-0.223	0.077	0.118	332.170077	45.742257	-171.85	48.89
7	GUIDE	472655152	9.43	578	0.057	-0.023	0.103	0.168	332.504239	45.862991	-1109.99	156.26

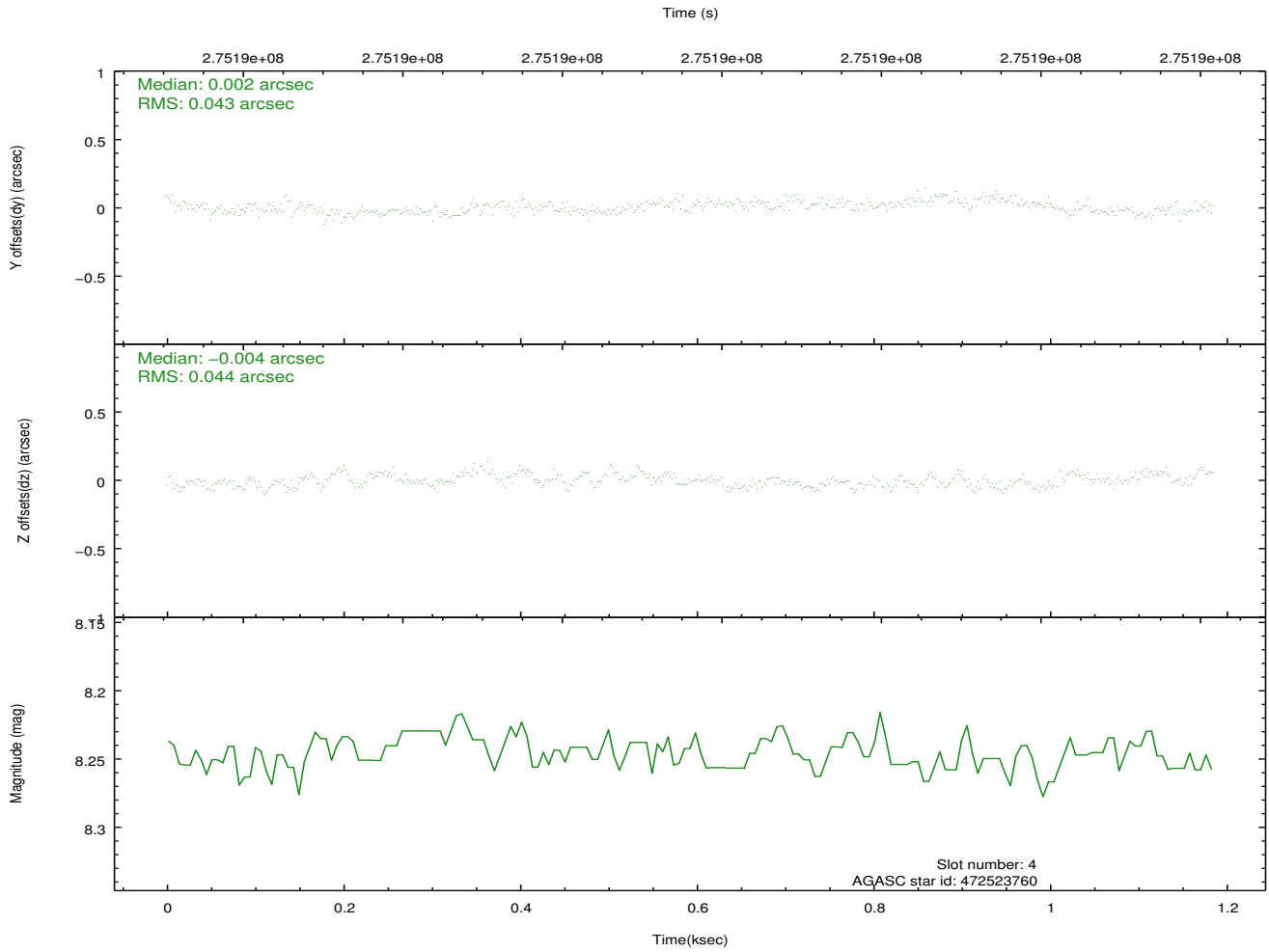
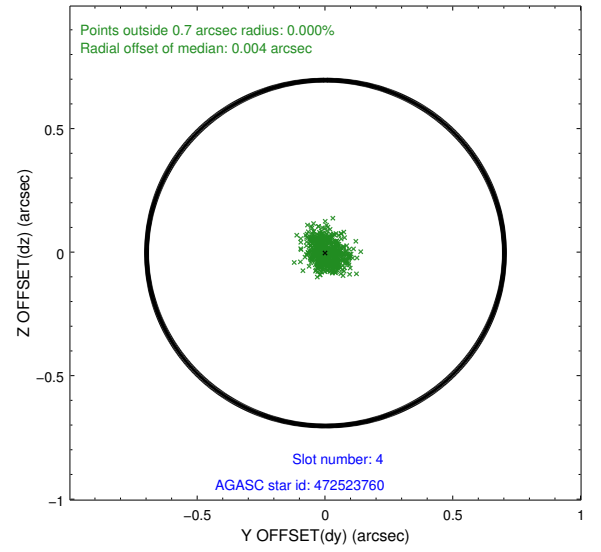
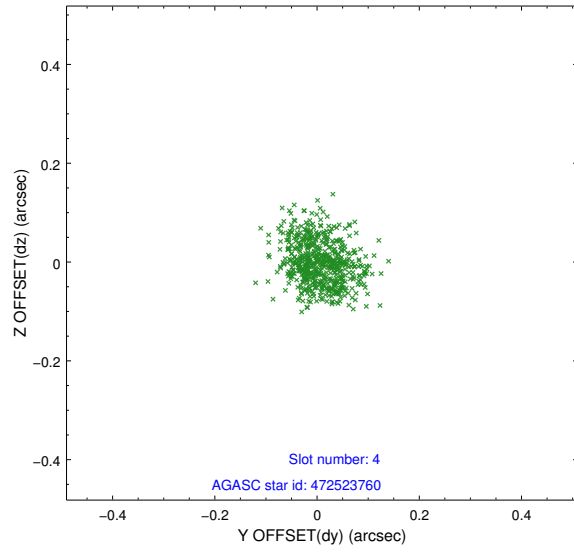


## 2.4 Star Slots

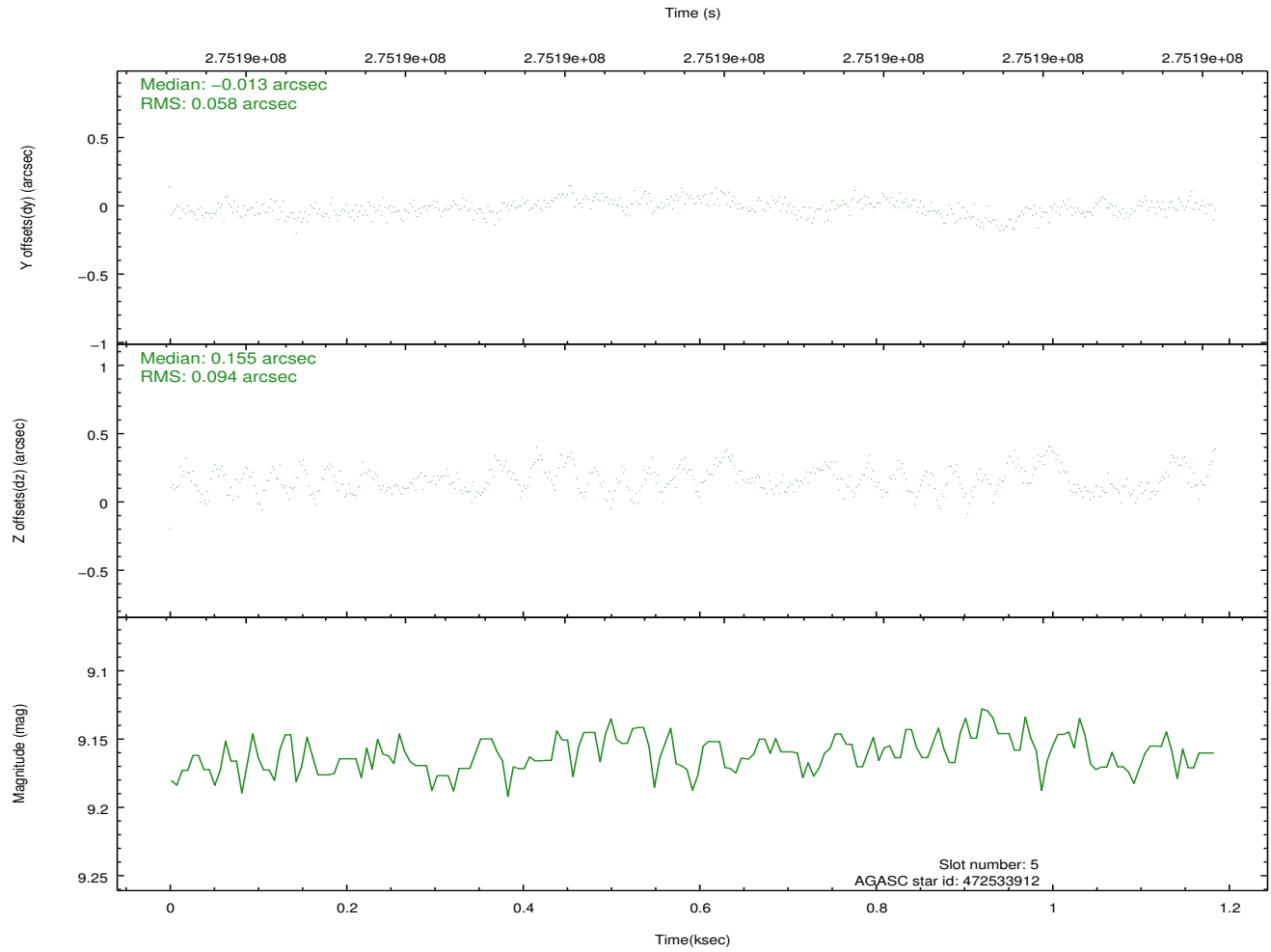
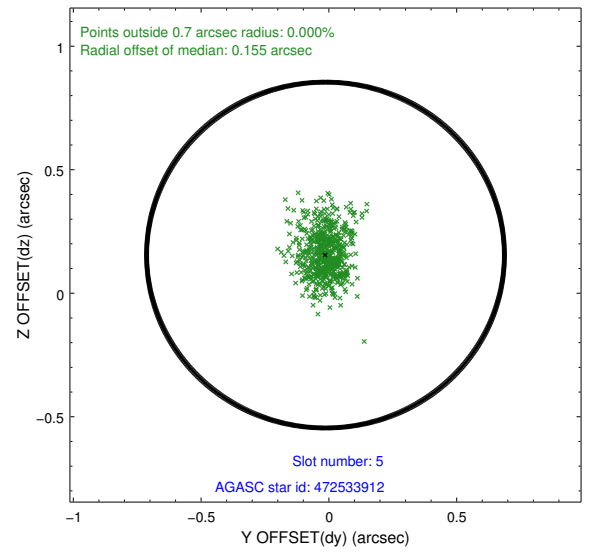
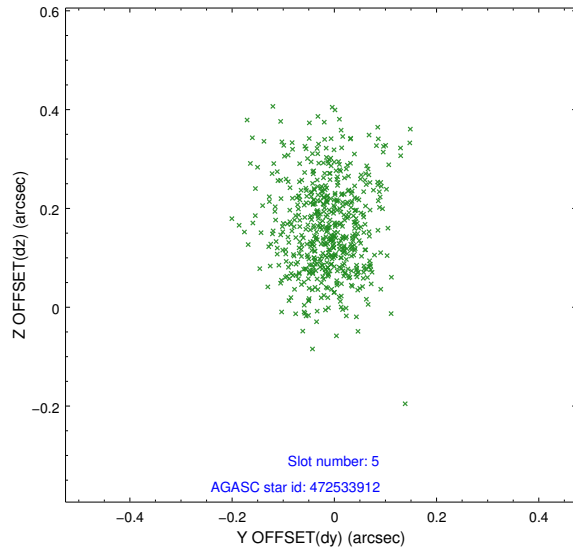
### 2.4.1 Slot 3



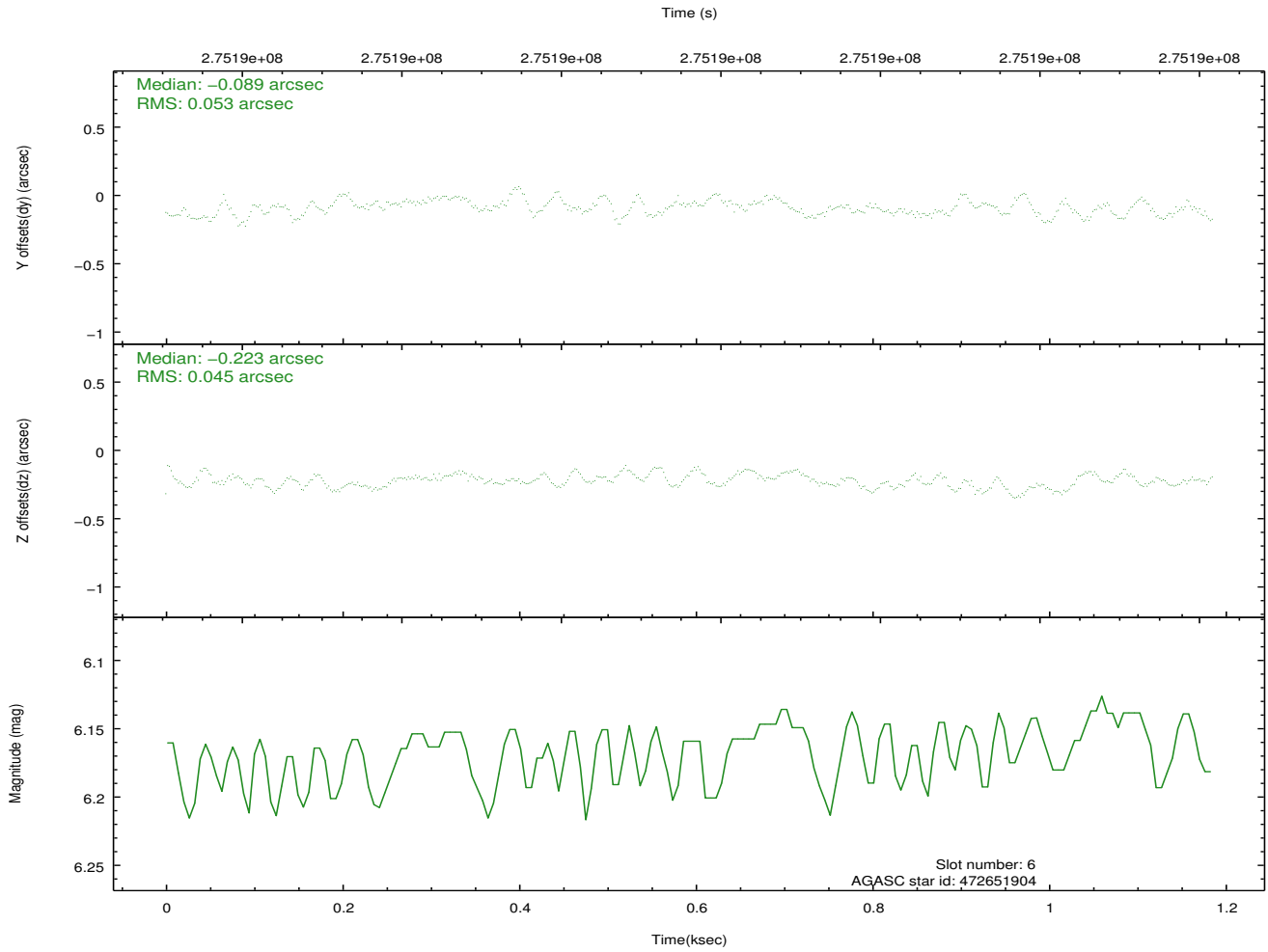
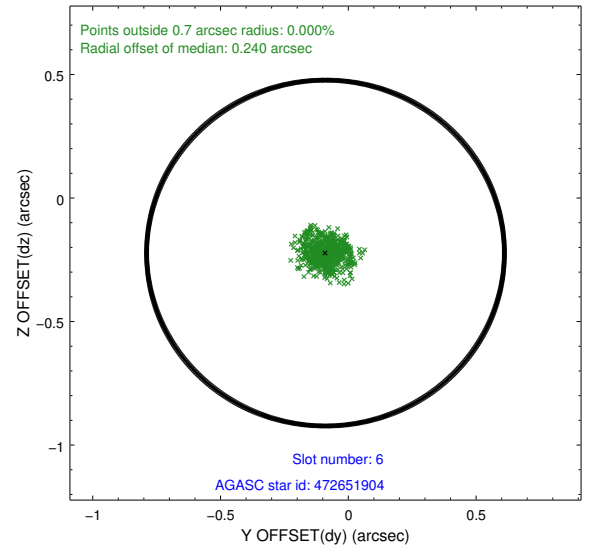
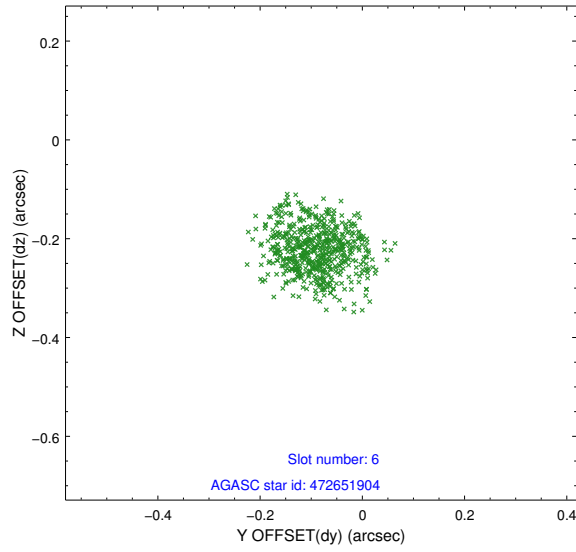
## 2.4.2 Slot 4



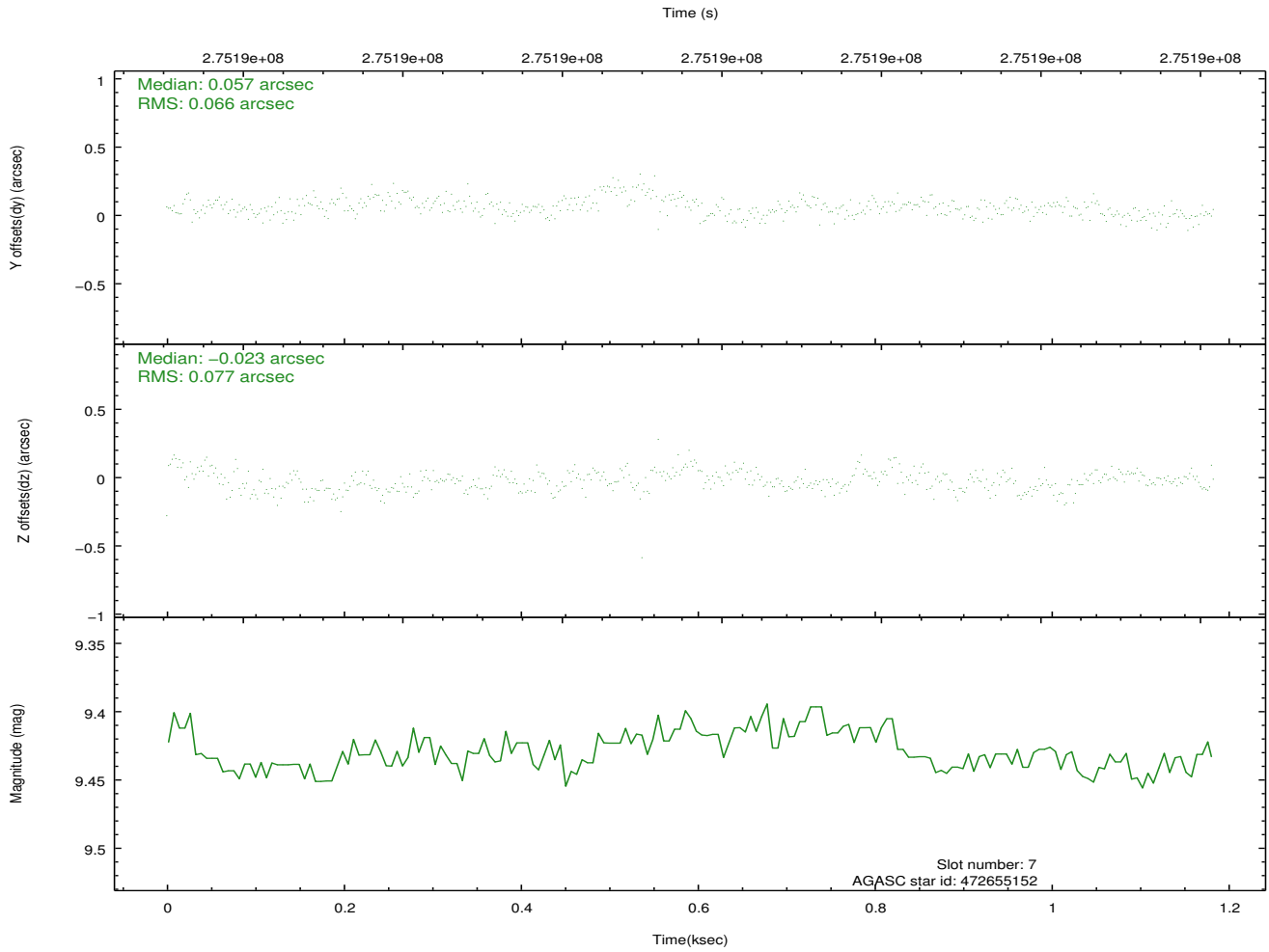
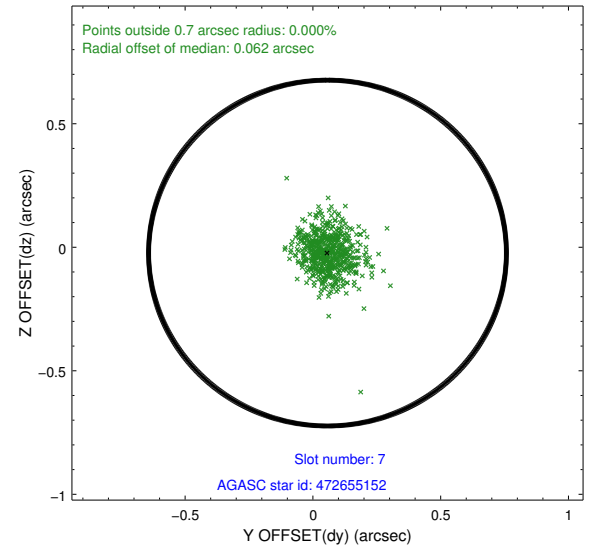
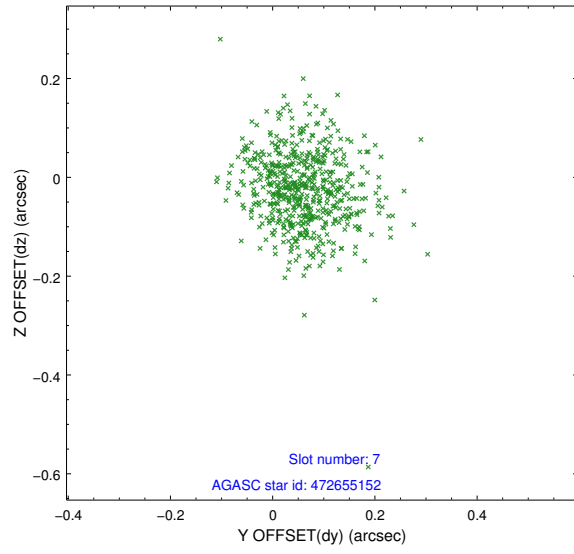
### 2.4.3 Slot 5



## 2.4.4 Slot 6

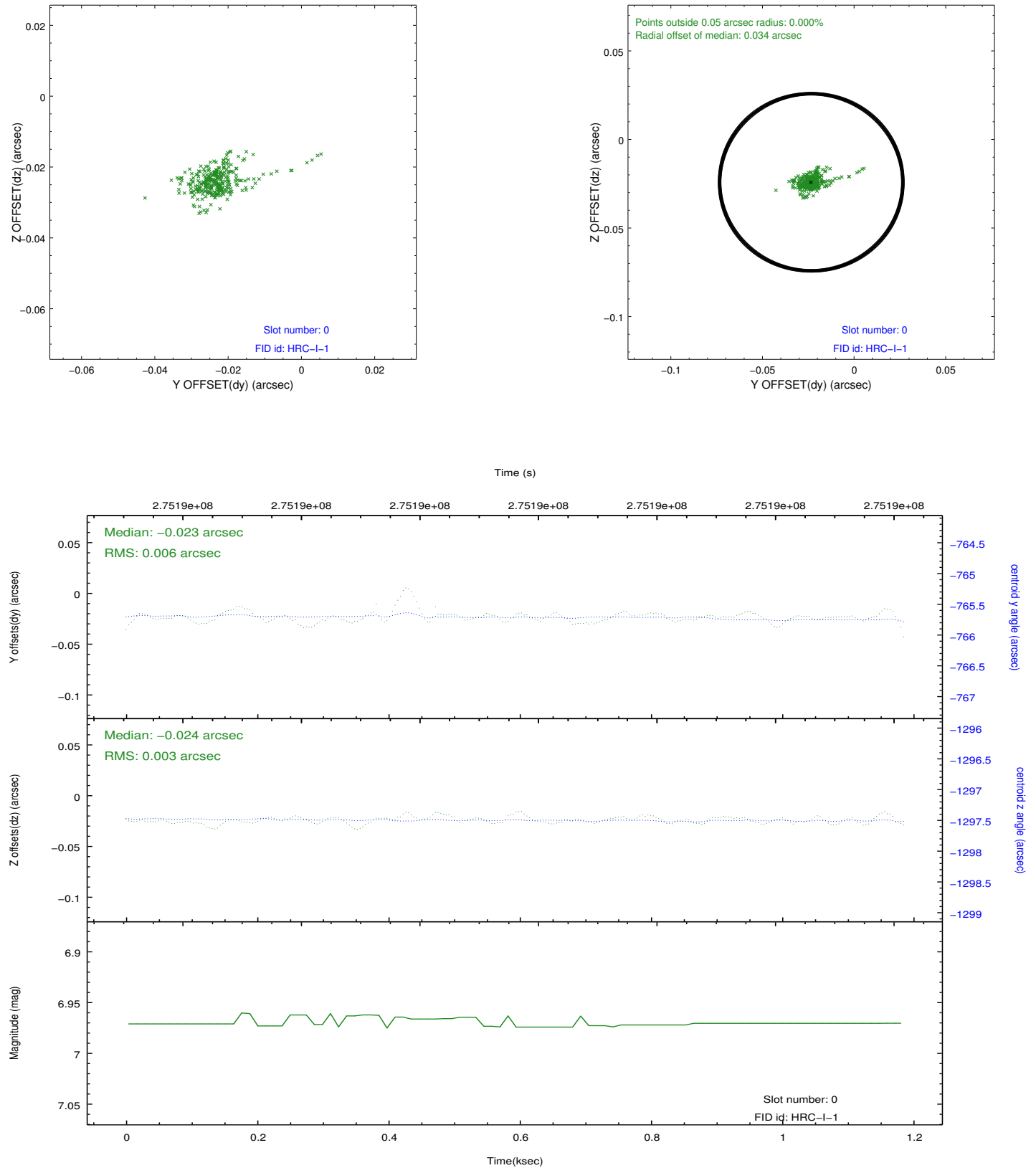


## 2.4.5 Slot 7

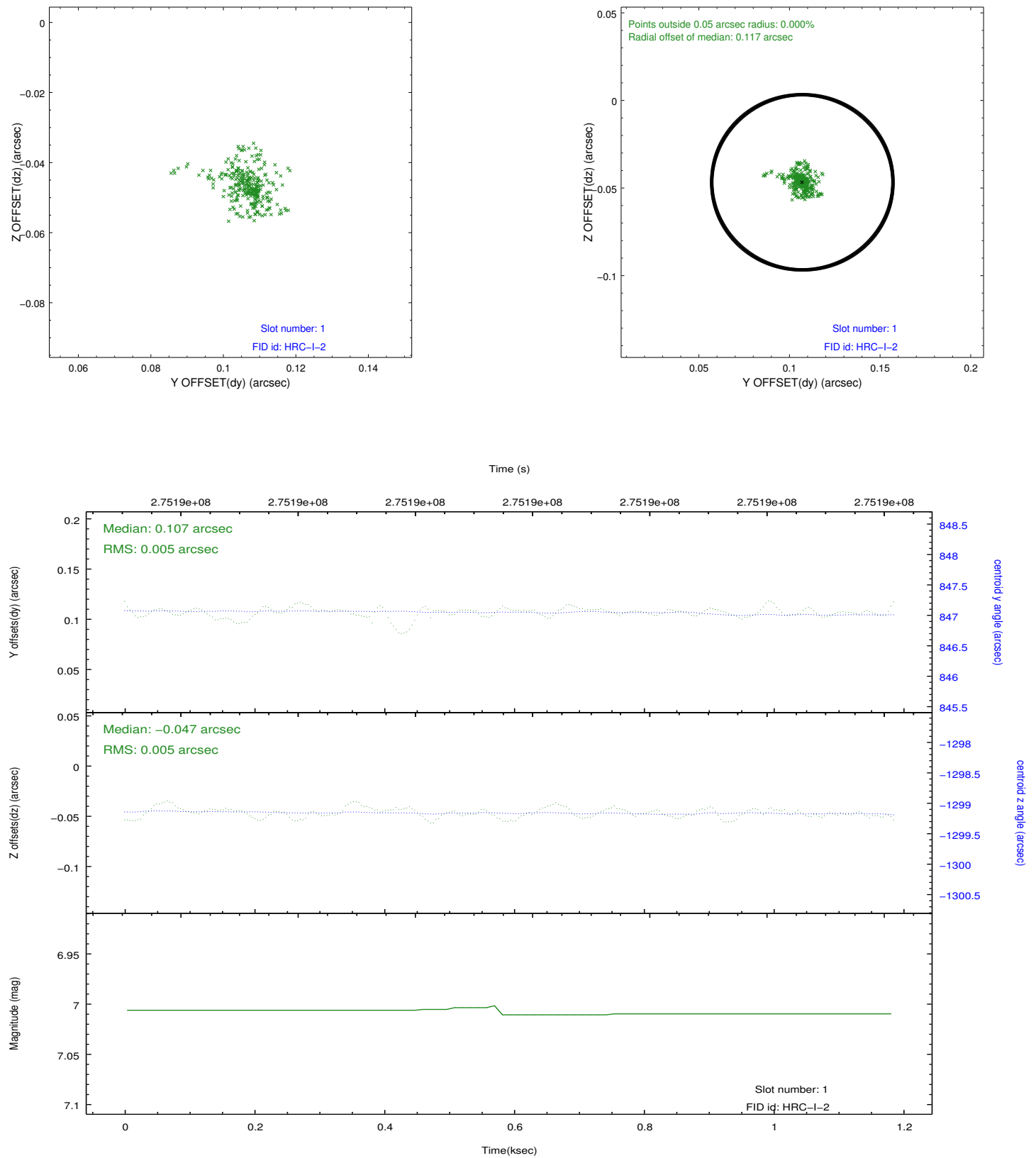


## 2.5 FID Slots

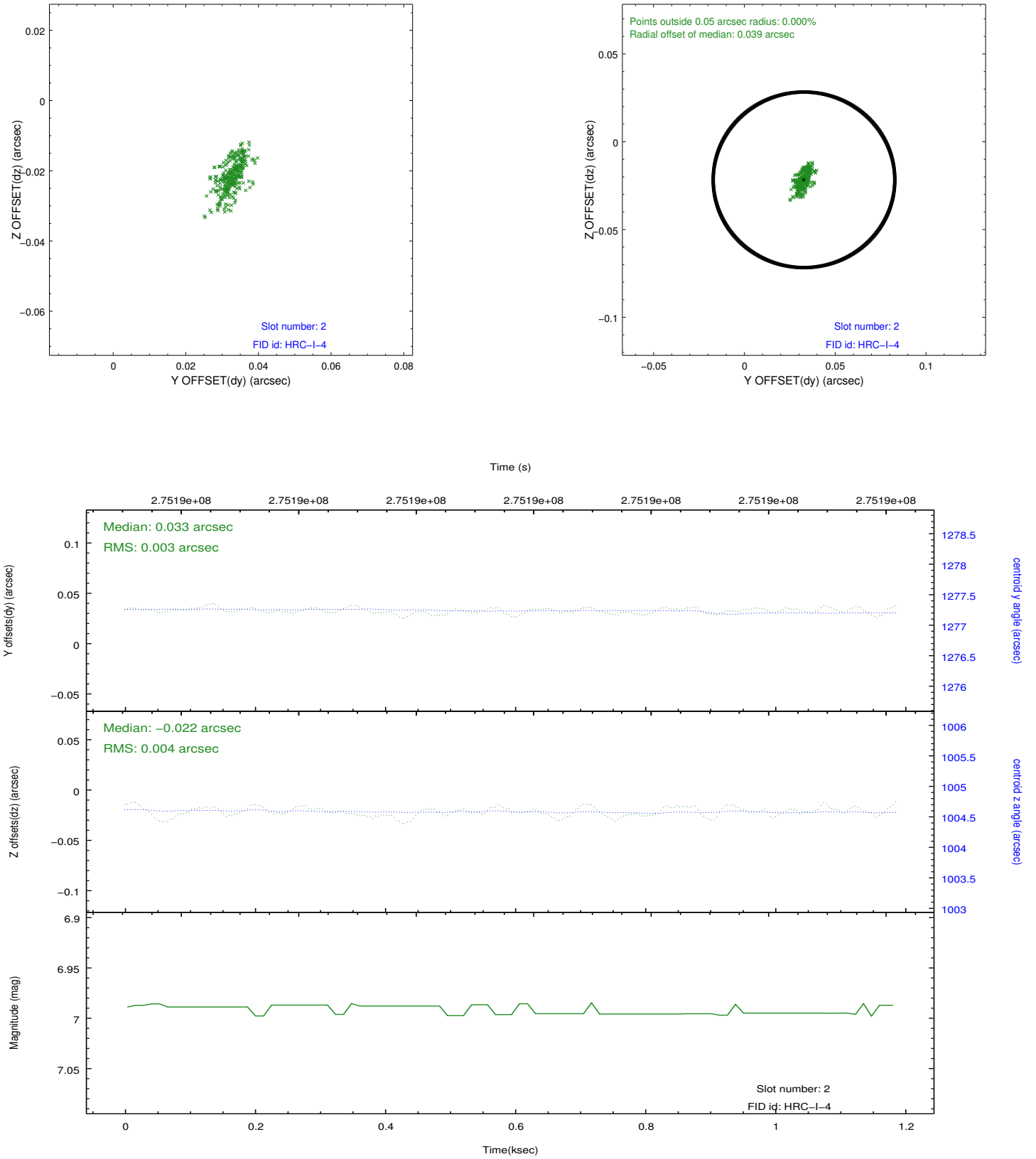
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2





## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.08.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1841313

### A.2 Comments