

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 6535 - L2 Version 4  
Chandra X-Ray Center

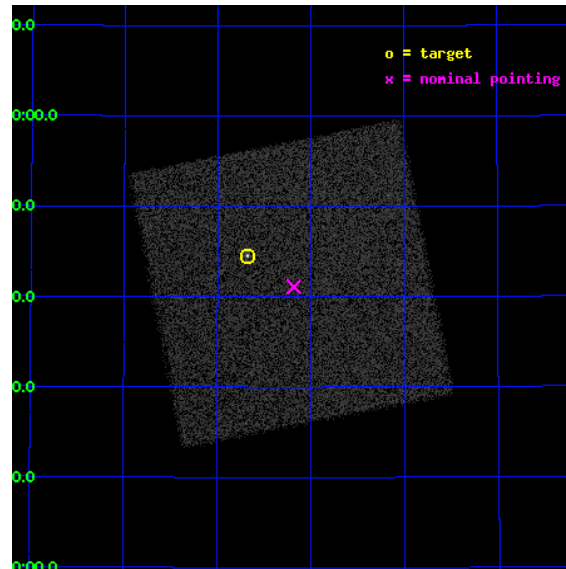
L2 Processing Date : Aug 11 2012

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# 1 Front

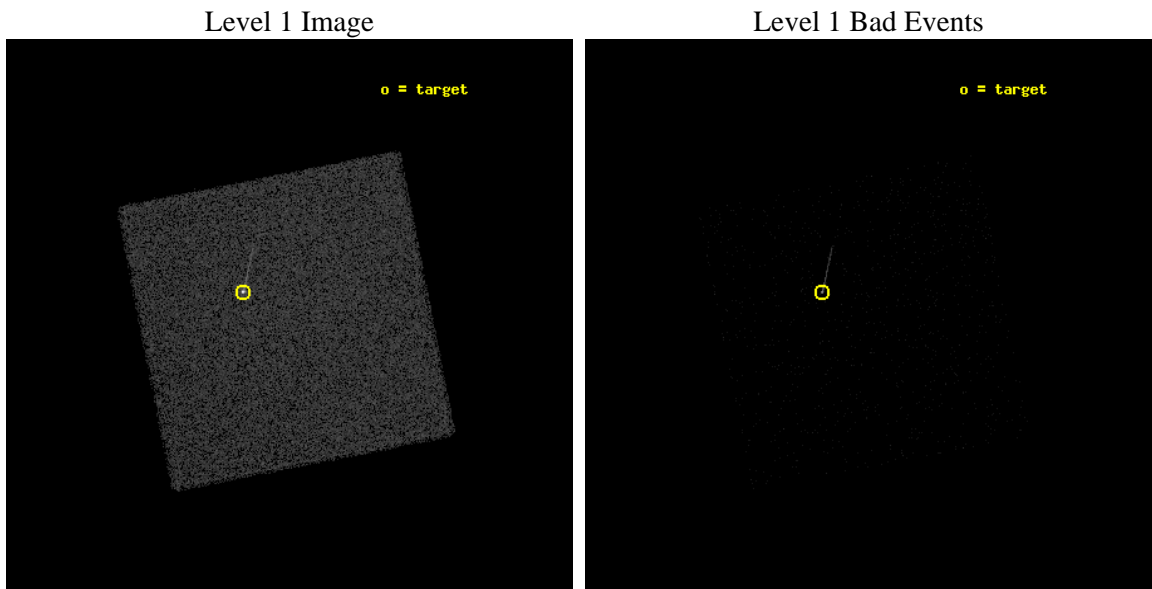
seq_num	290628	Sequence number
obs_id	6535	Observation id
title	AO7 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.04556557875	Nominal RA [deg]
dec_nom	45.685156872084	Nominal Dec [deg]
roll_nom	213.78808121723	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1182.0813056231	[s]
livetime	1171.1169688097	Ontime multiplied by DTCOR
l2events	63800	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	1182.0813056231	[s]
caldbver	4.5.1.1	&#160	l1events	118450	Number of level 1 events
date	2012-08-11T12:15:46	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

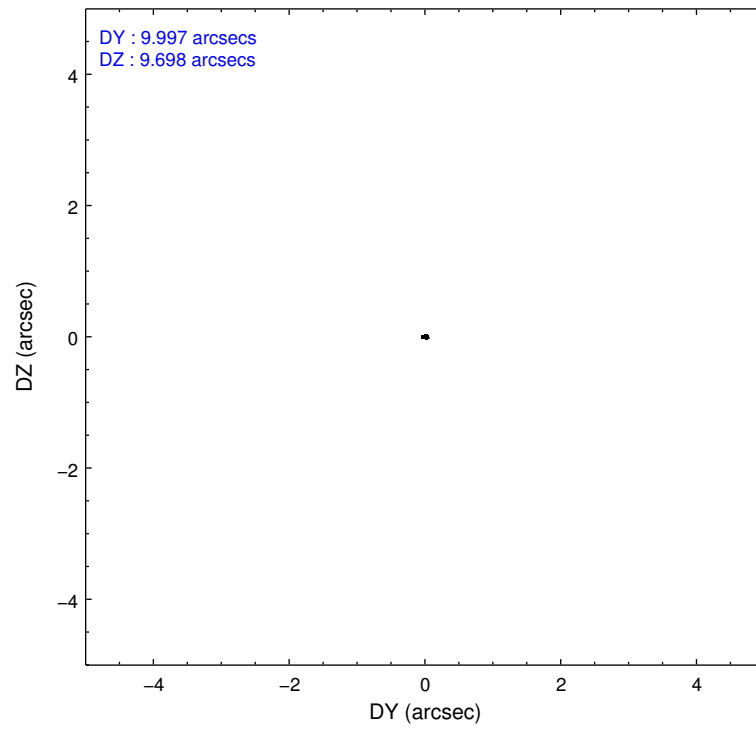
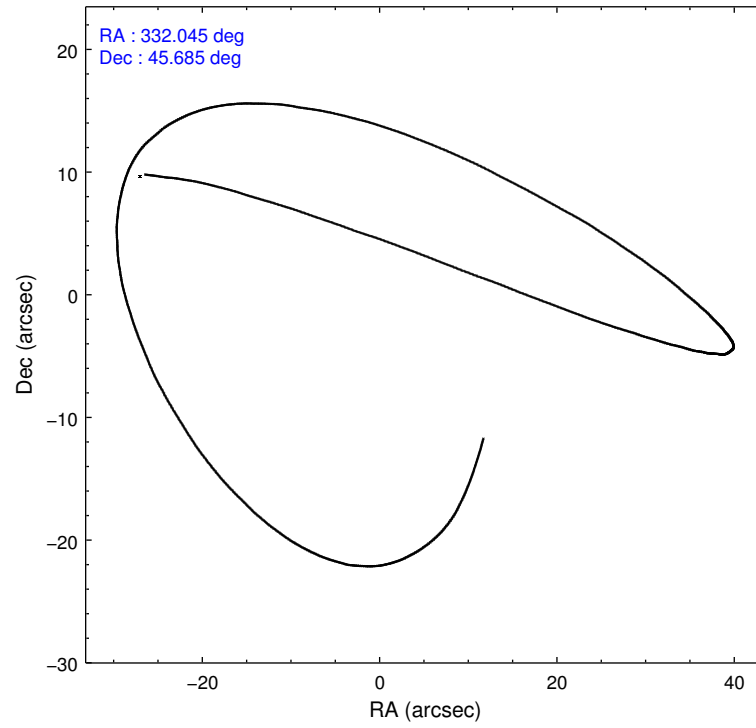
#### Level 1 Events

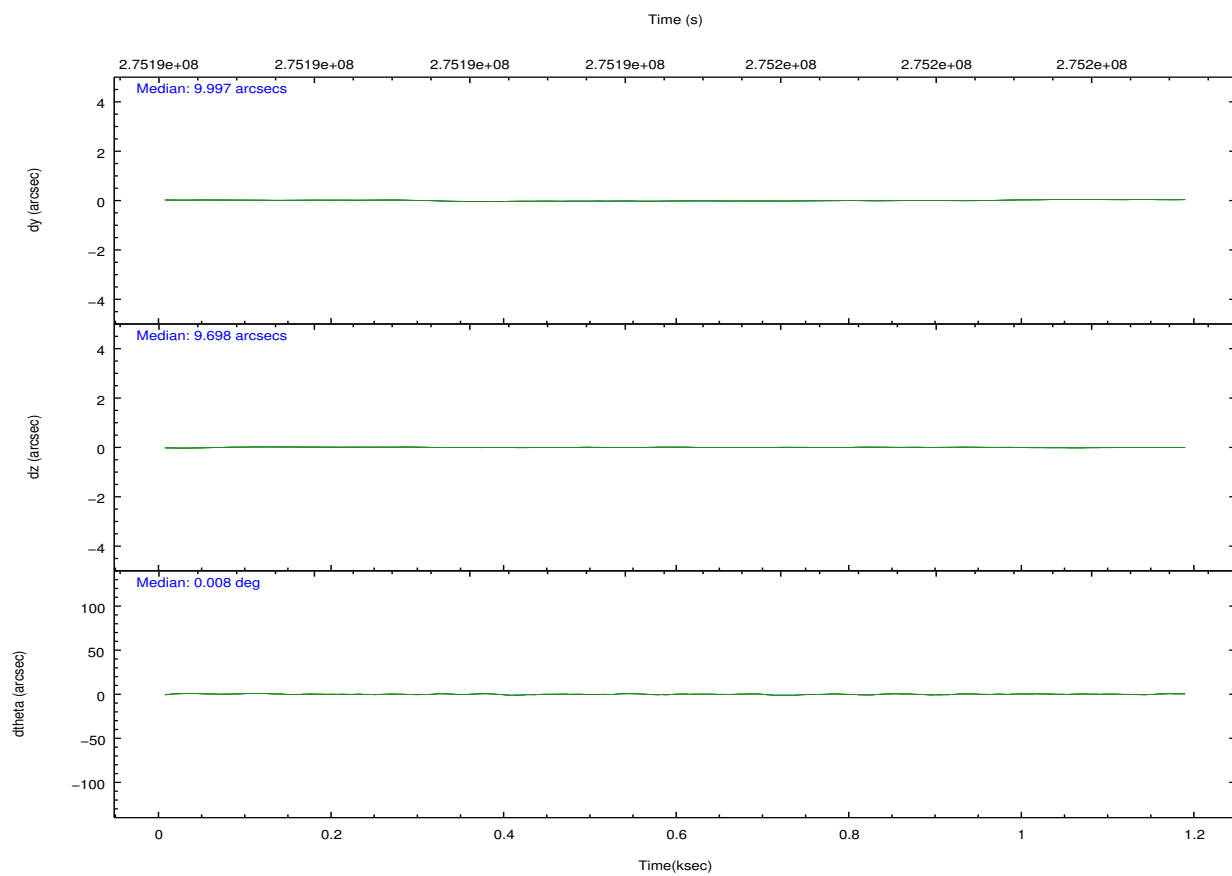
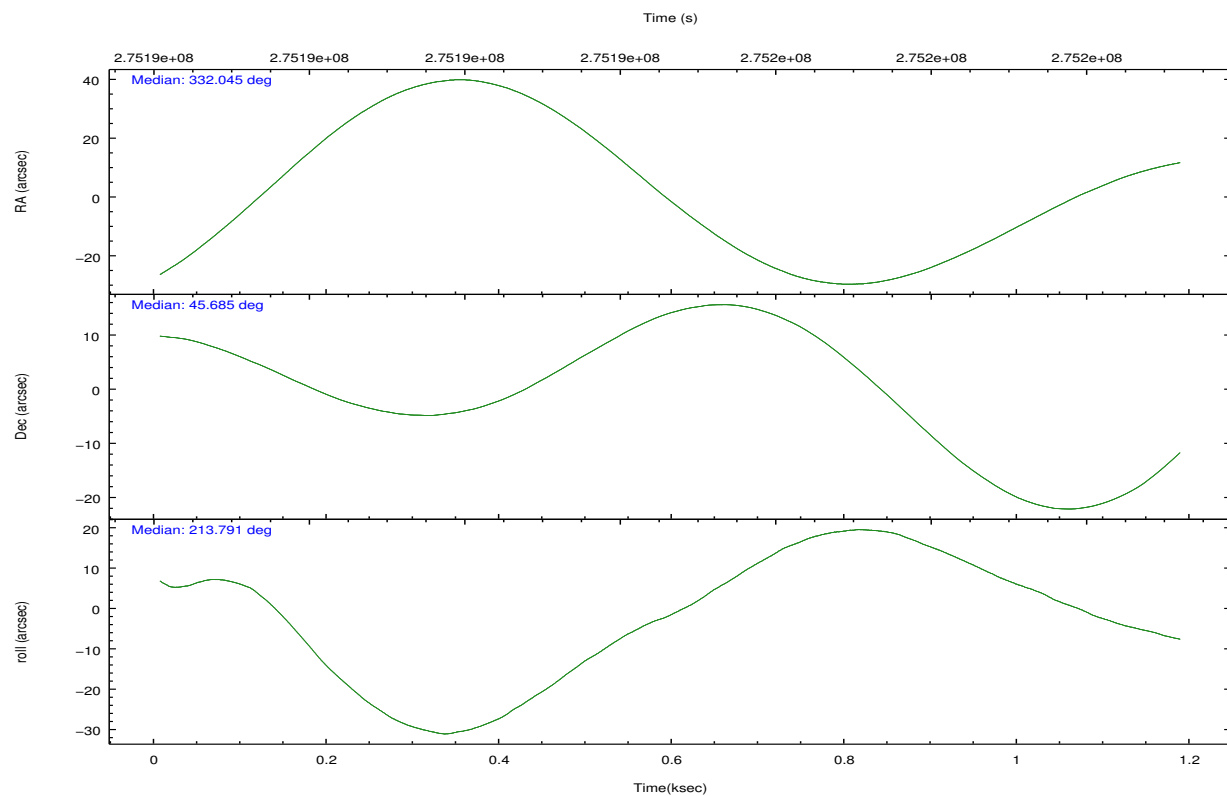
	<b>segment 0</b>
level 1 events	118450
rejected events	25614
rejected %	21%

## 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	332.061515	332.0455655787533			
[deg] Pointing Dec	45.710413	45.68515687208361			
[deg] Pointing Roll	213.872162	213.7880812172349			
[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)	275194462.184000	275194085.65198			
Observation start date	2006-09-21T02:53:17	2006-09-21T02:48:05			
[s] Observation end time (MET)	275195462.184000	275195595.98955			
Observation end date	2006-09-21T03:09:57	2006-09-21T03:13:15			

## 2.3 Aspect





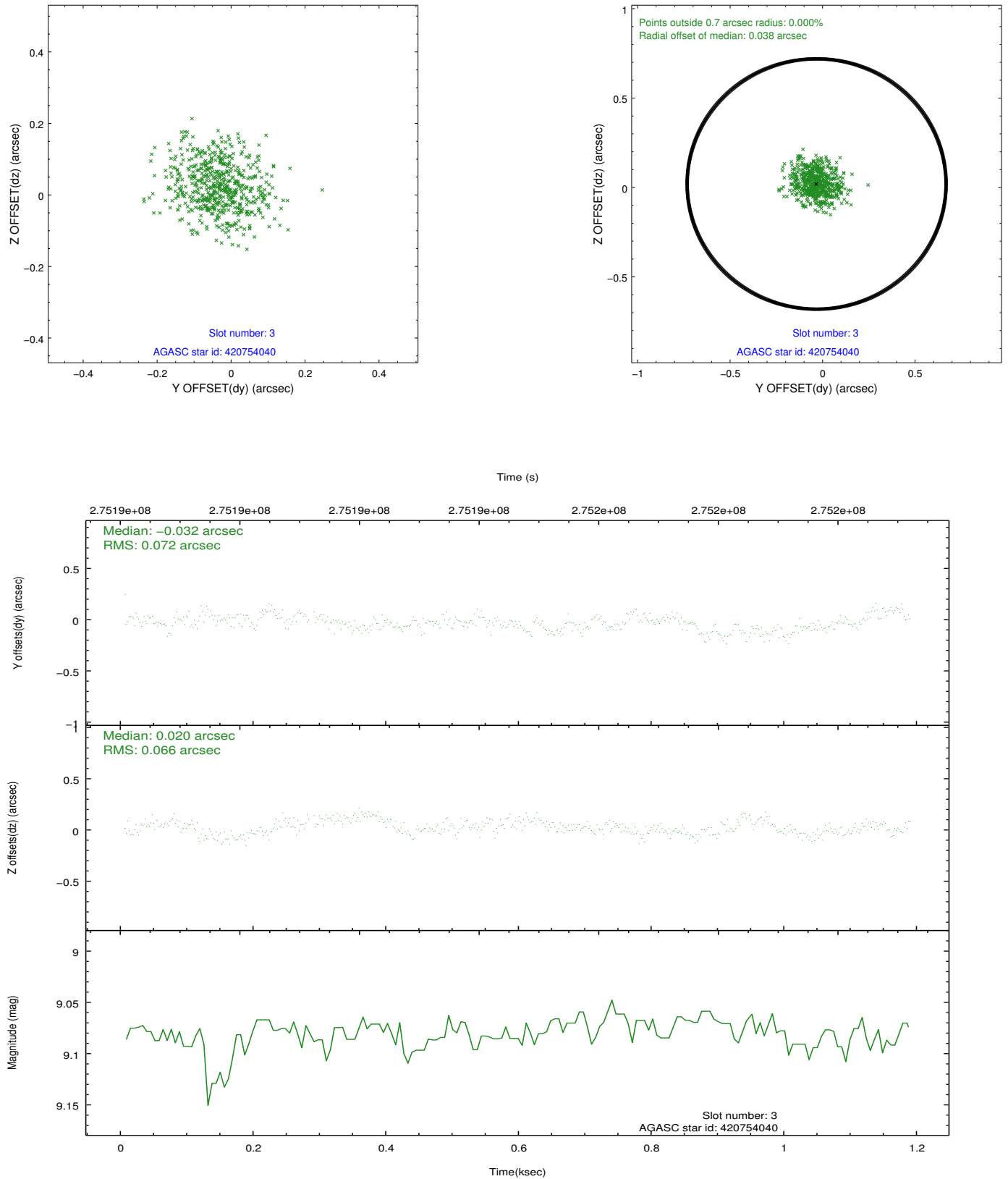
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-2	7.01	289	0.042	-0.030	0.006	0.009	0.000000	0.000000	847.03	-1299.21
1	FID	HRC-I-3	7.07	289	-0.029	-0.027	0.006	0.011	0.000000	0.000000	-1191.26	1002.40
2	FID	HRC-I-4	7.00	289	0.106	-0.029	0.006	0.011	0.000000	0.000000	1273.10	1008.00
3	GUIDE	420754040	9.08	574	-0.032	0.020	0.109	0.170	331.917939	44.882543	1963.85	2268.08
4	GUIDE	472523760	8.24	578	0.072	-0.066	0.069	0.114	331.645363	45.403260	1491.26	331.00
5	GUIDE	472525528	6.65	578	-0.235	0.020	0.080	0.138	331.551102	45.248694	2000.18	653.84
6	GUIDE	472655152	9.43	576	0.098	-0.183	0.100	0.152	332.504239	45.862991	-1226.27	158.74
7	GUIDE	472659832	9.46	576	0.089	0.189	0.129	0.243	332.780399	46.098139	-2274.86	-167.25

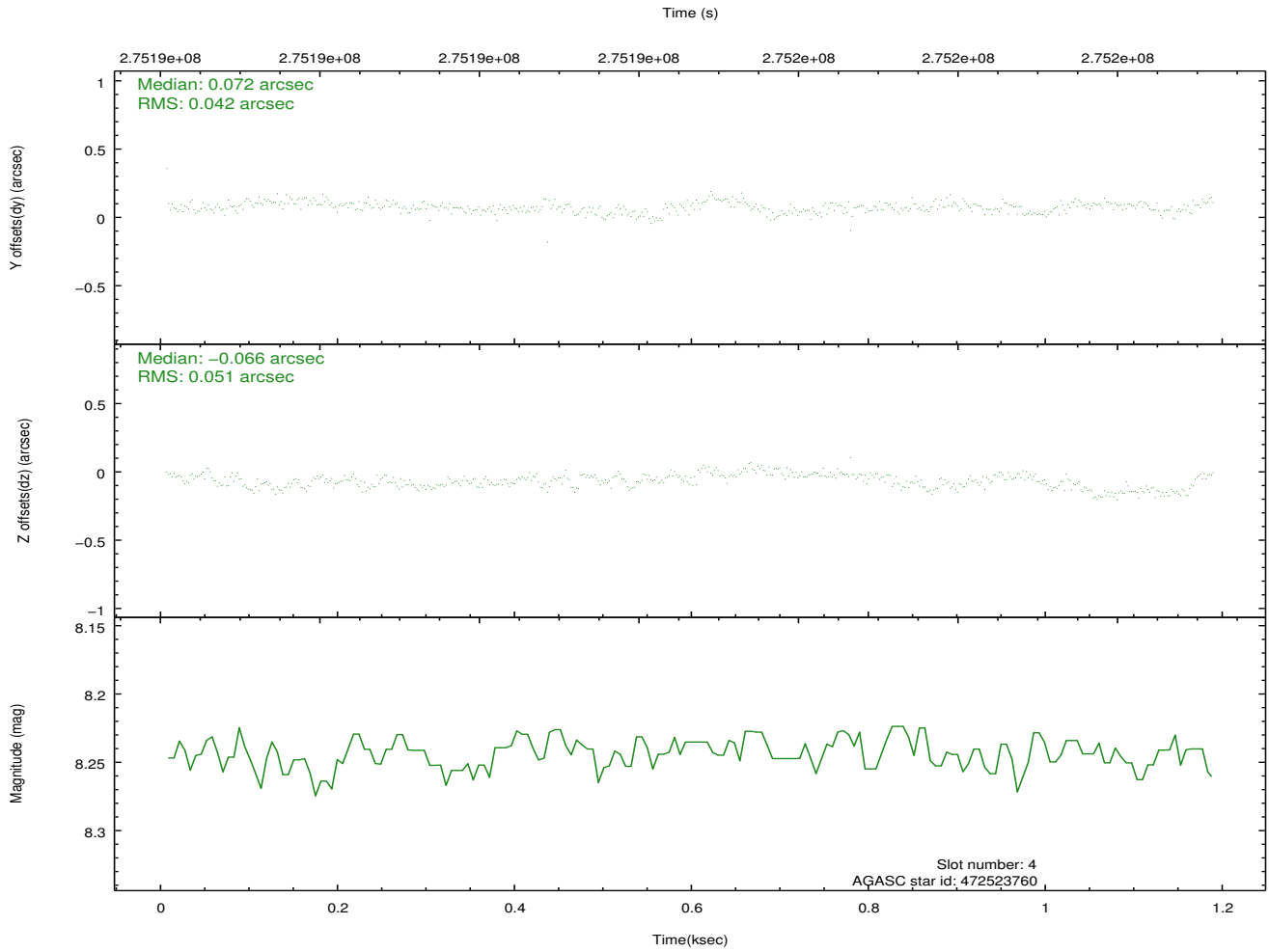
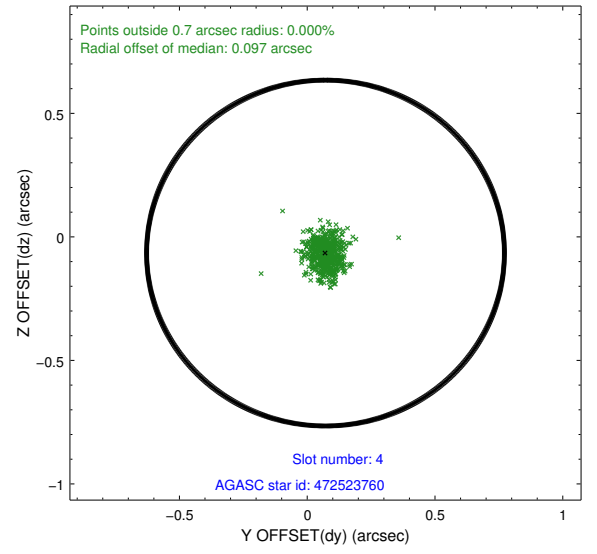
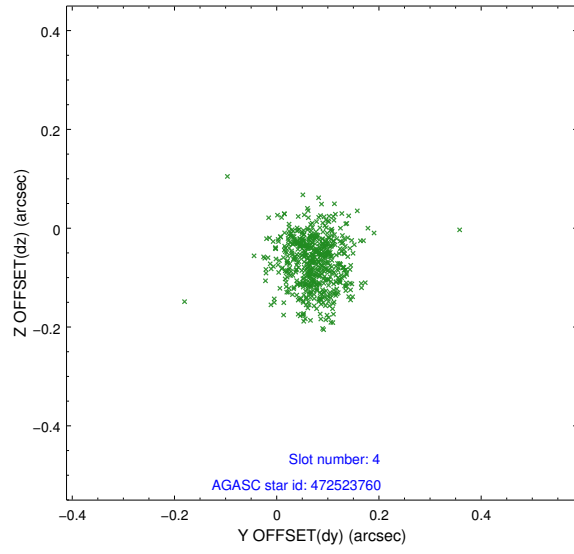


## 2.4 Star Slots

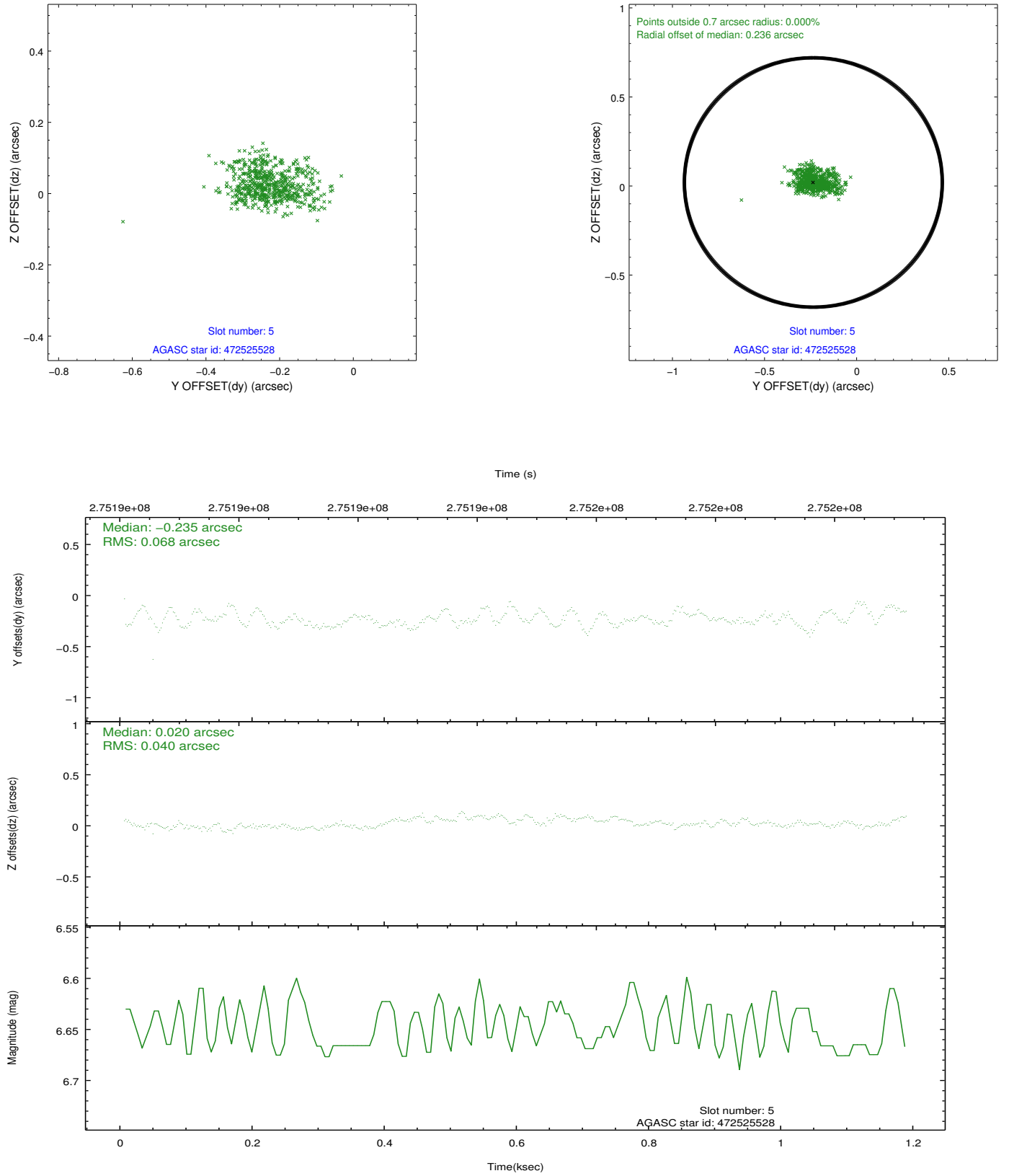
### 2.4.1 Slot 3



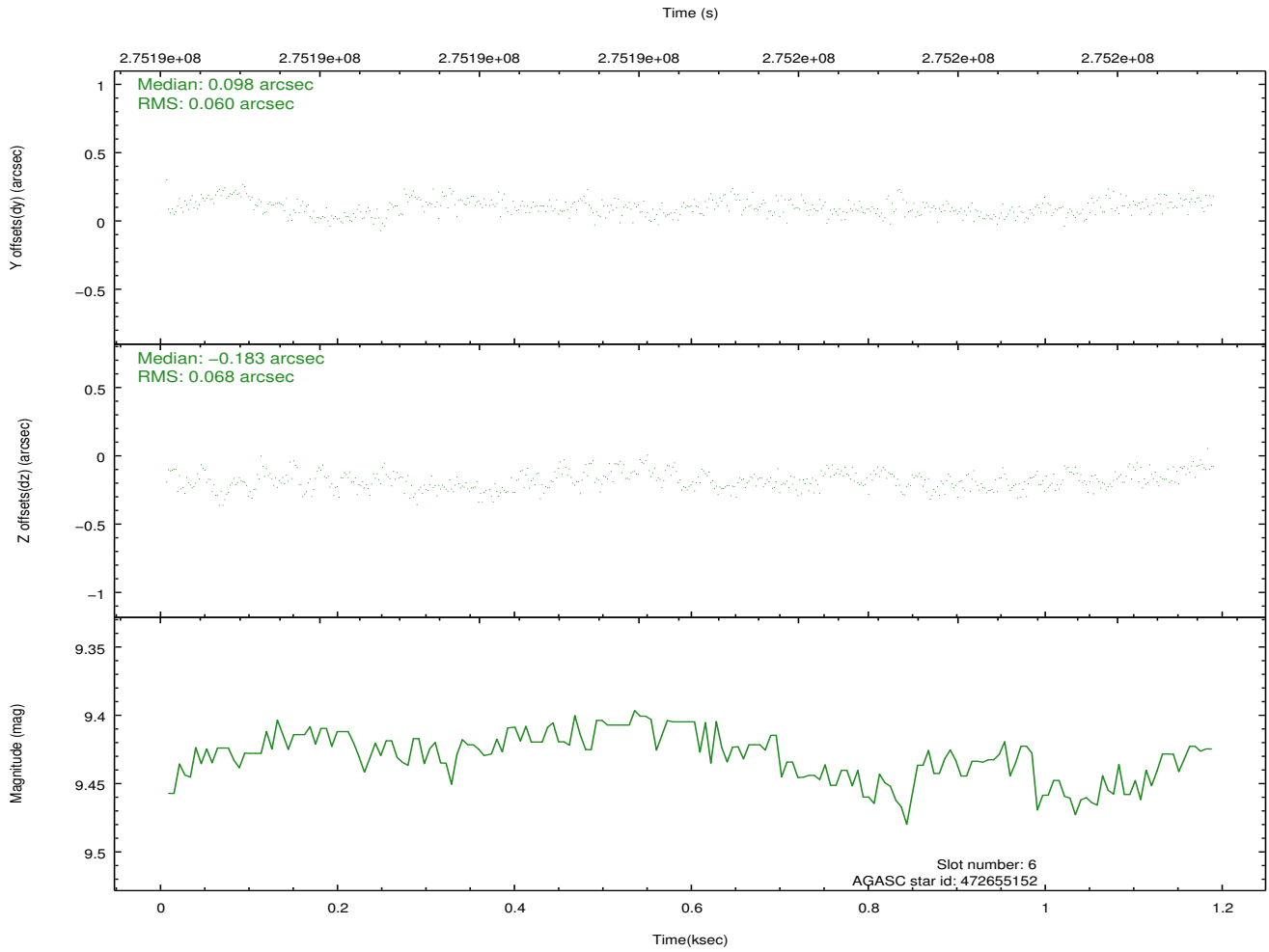
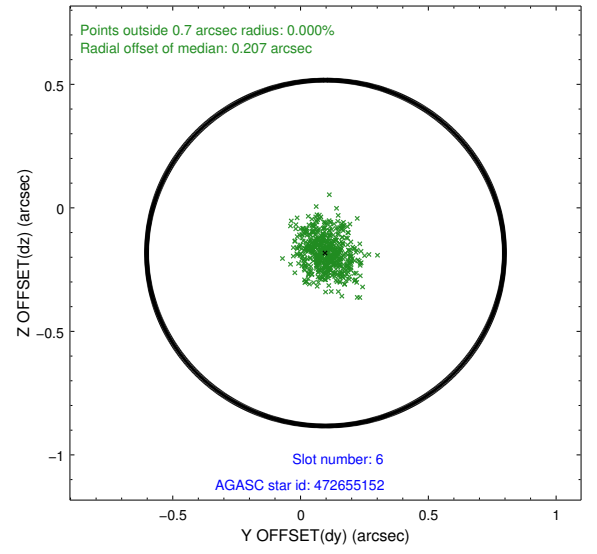
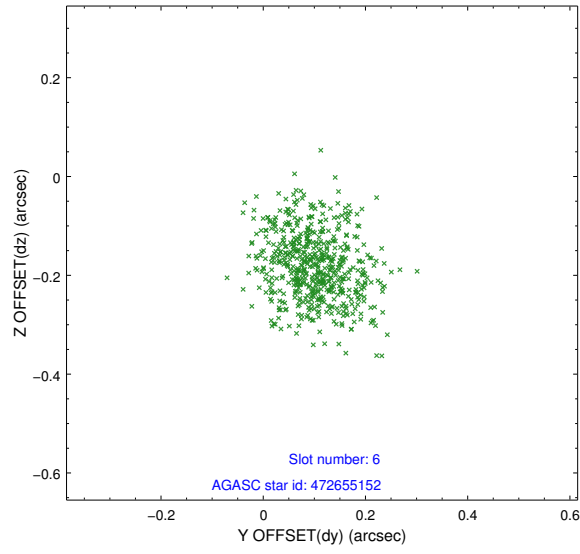
## 2.4.2 Slot 4



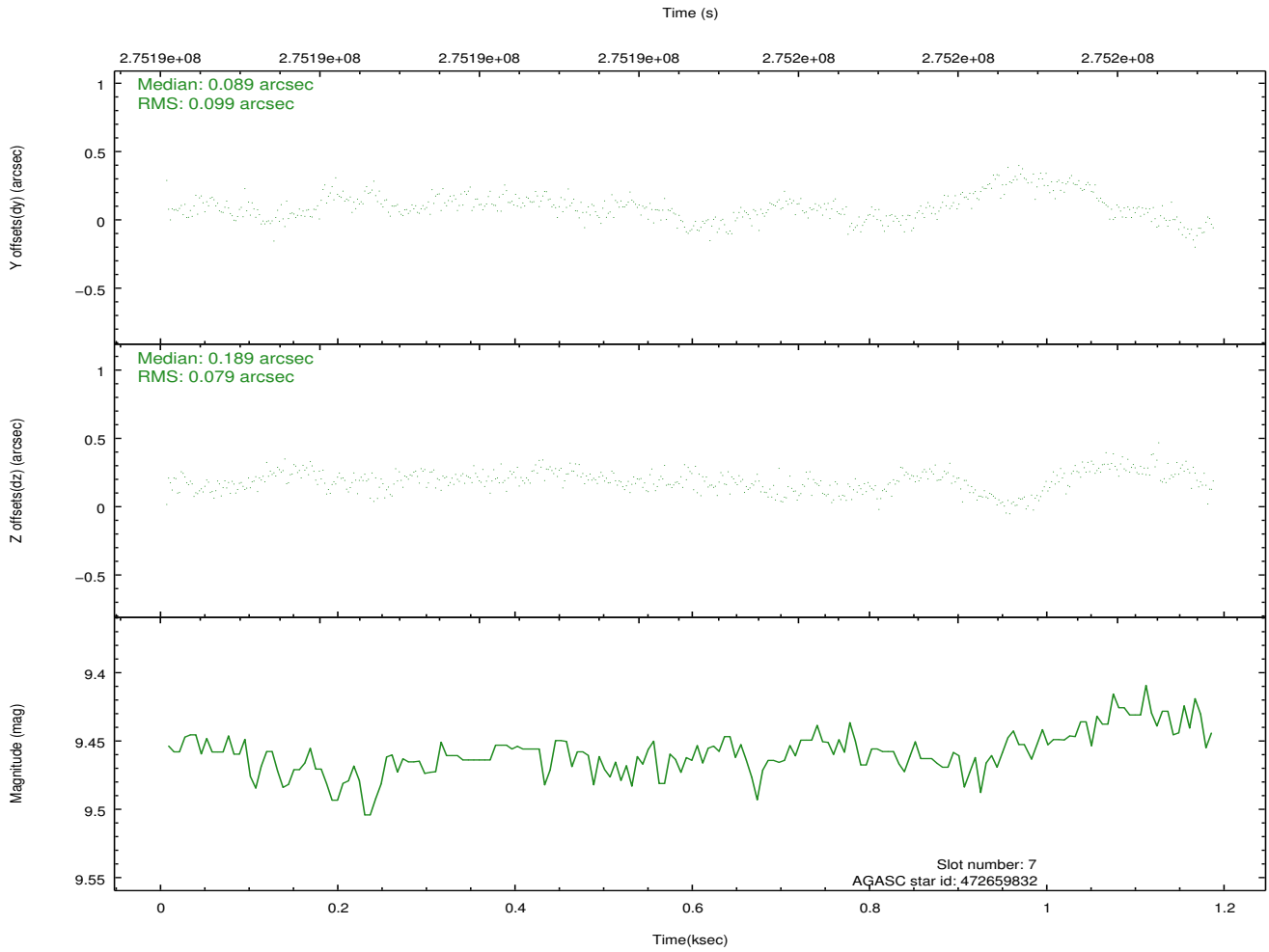
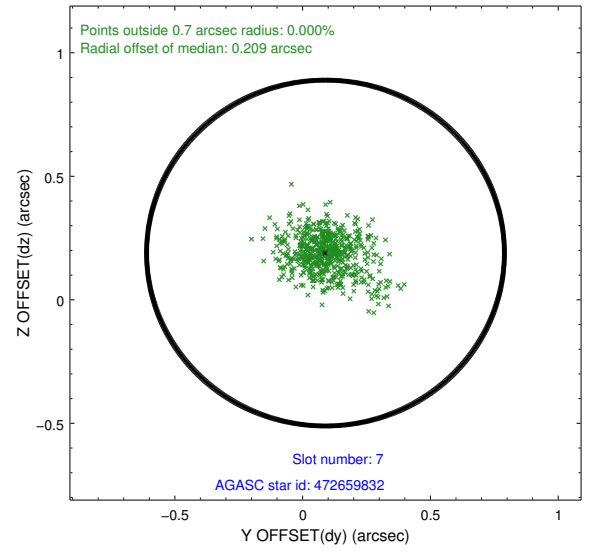
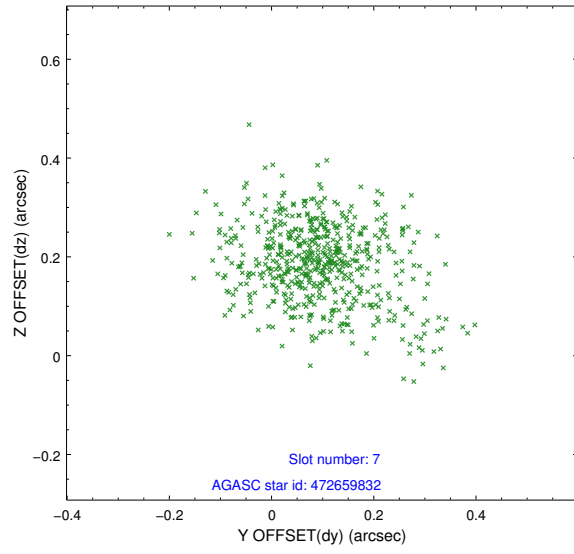
### 2.4.3 Slot 5



## 2.4.4 Slot 6

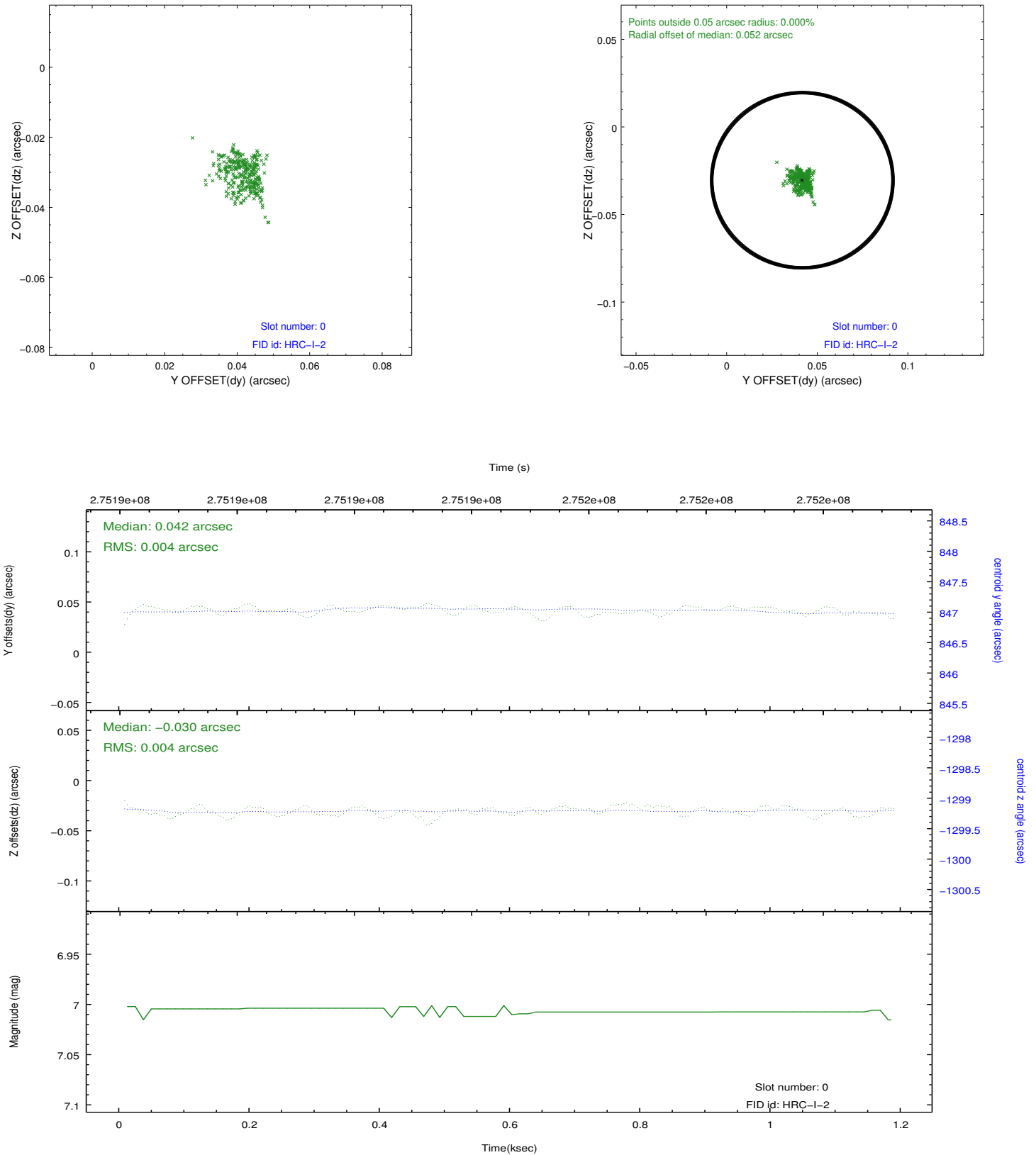


## 2.4.5 Slot 7

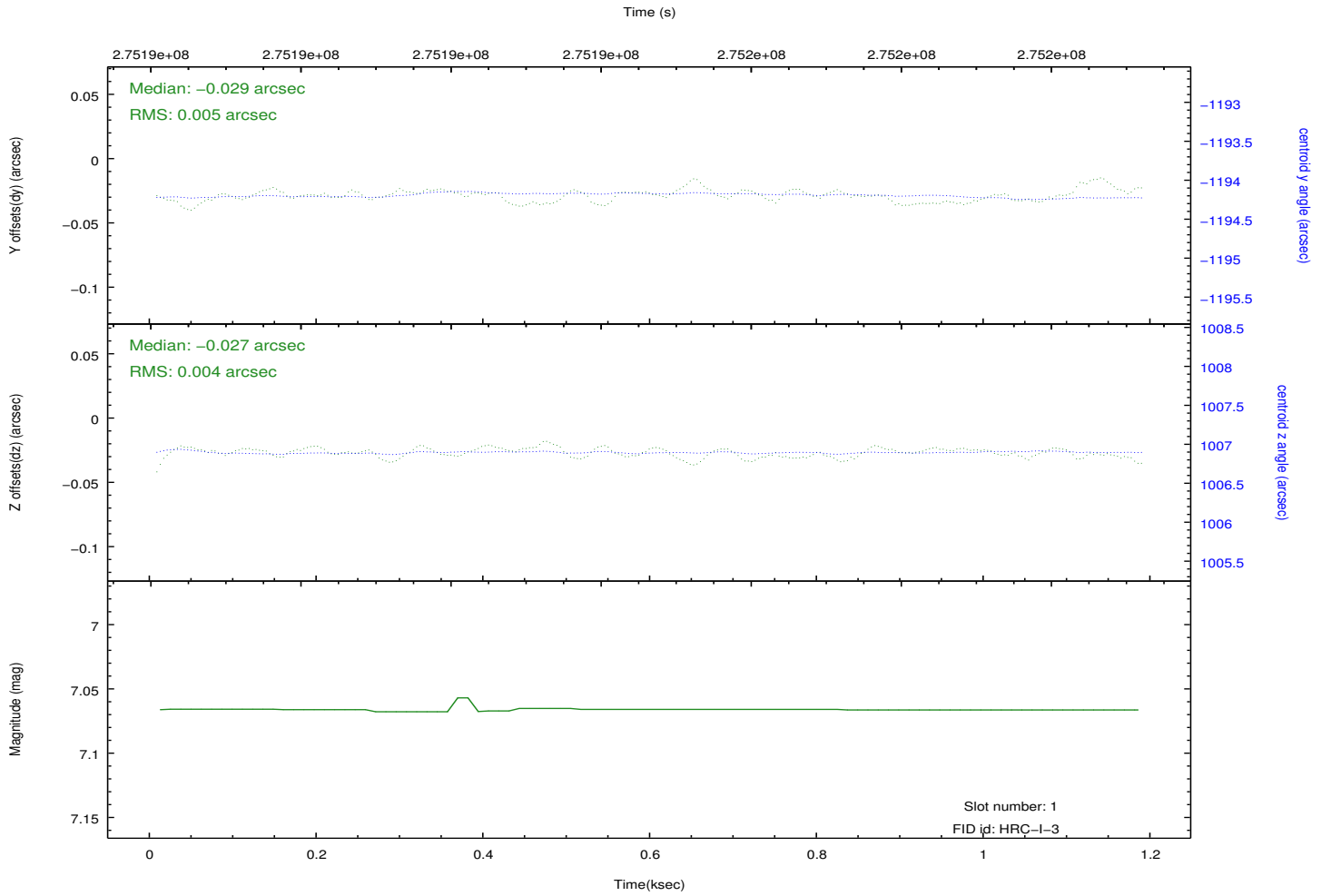
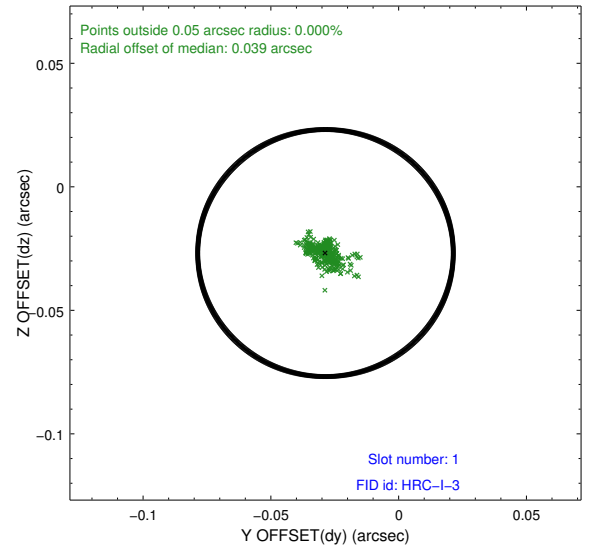
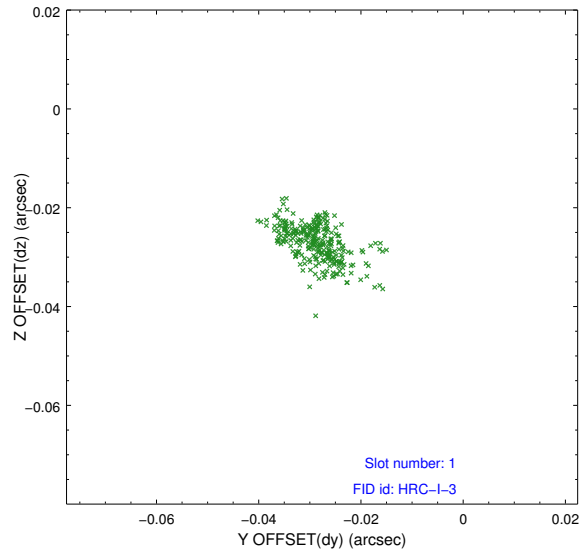


## 2.5 FID Slots

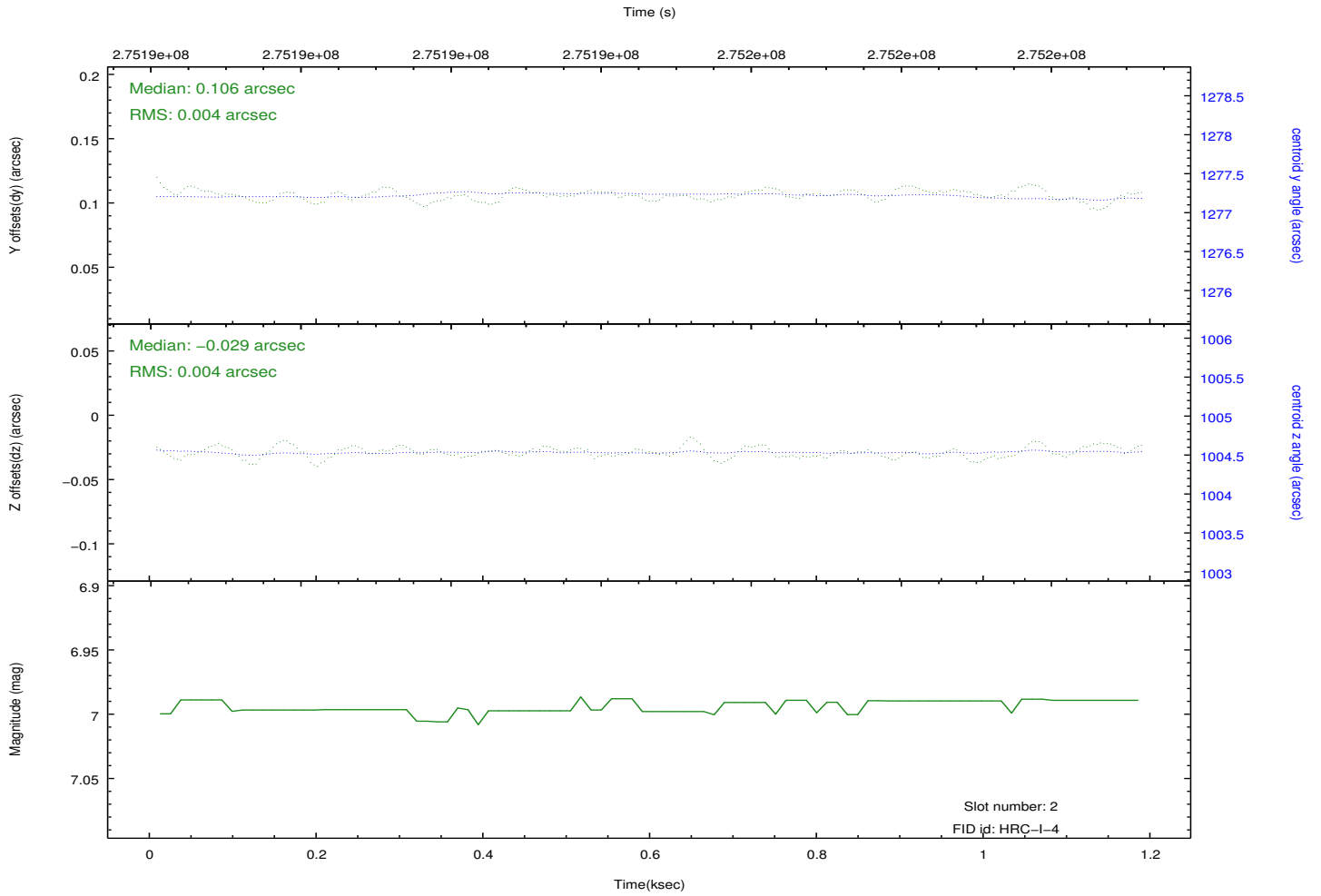
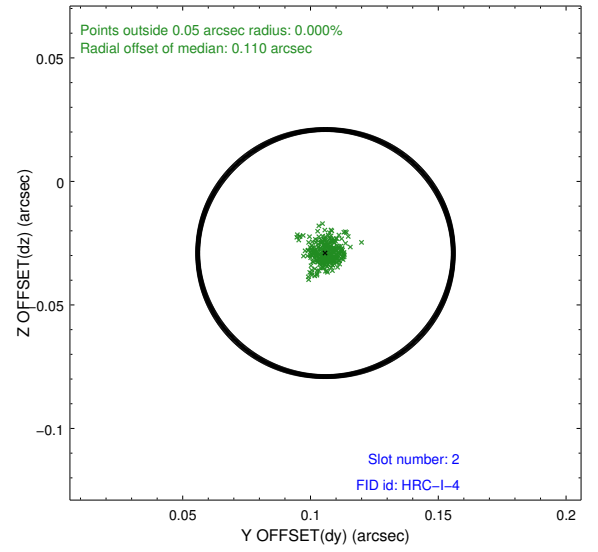
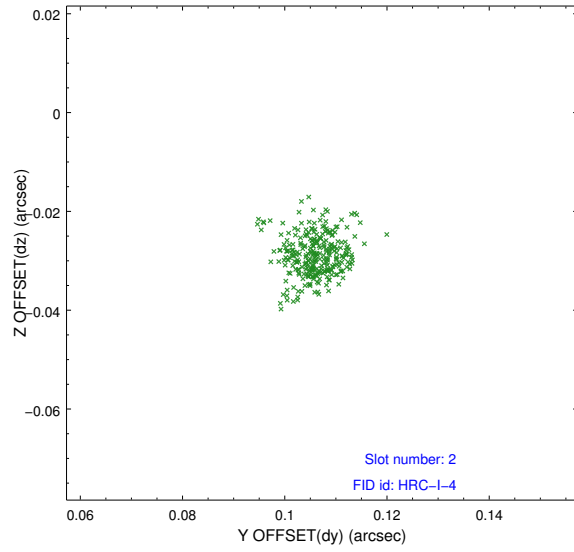
### 2.5.1 Slot 0



## 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	1.1820813

### A.2 Comments