

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 10585 - L2 Version 3  
Chandra X-Ray Center

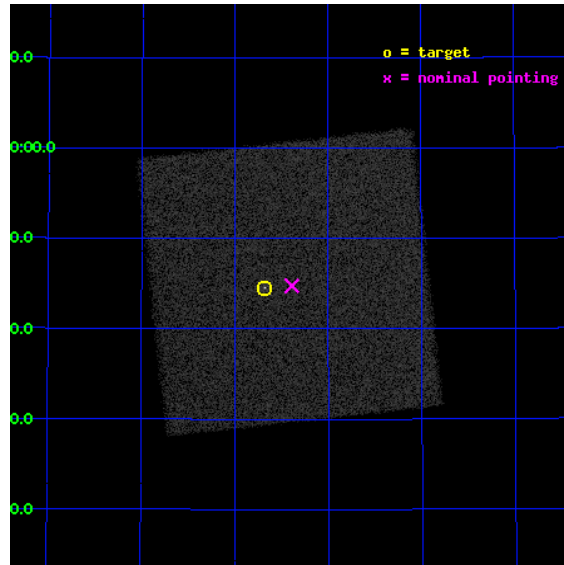
L2 Processing Date : Aug 13 2012

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# 1 Front

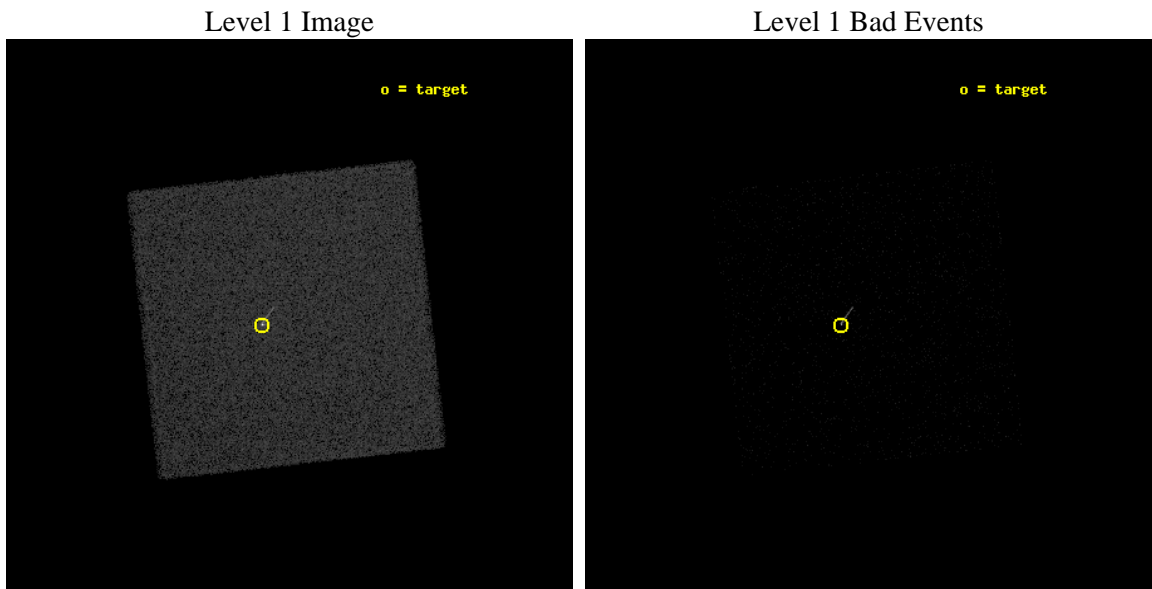
seq_num	290821	Sequence number
obs_id	10585	Observation id
title	AO-10 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.09710940459	Nominal RA [deg]
dec_nom	45.746281204417	Nominal Dec [deg]
roll_nom	218.64076144387	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1190.2813097835	[s]
livetime	1175.2855936547	Ontime multiplied by DTCOR
l2events	95682	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	1190.2813097835	[s]
caldbver	4.5.1.1	&#160	l1events	174240	Number of level 1 events
date	2012-08-13T13:16:23	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

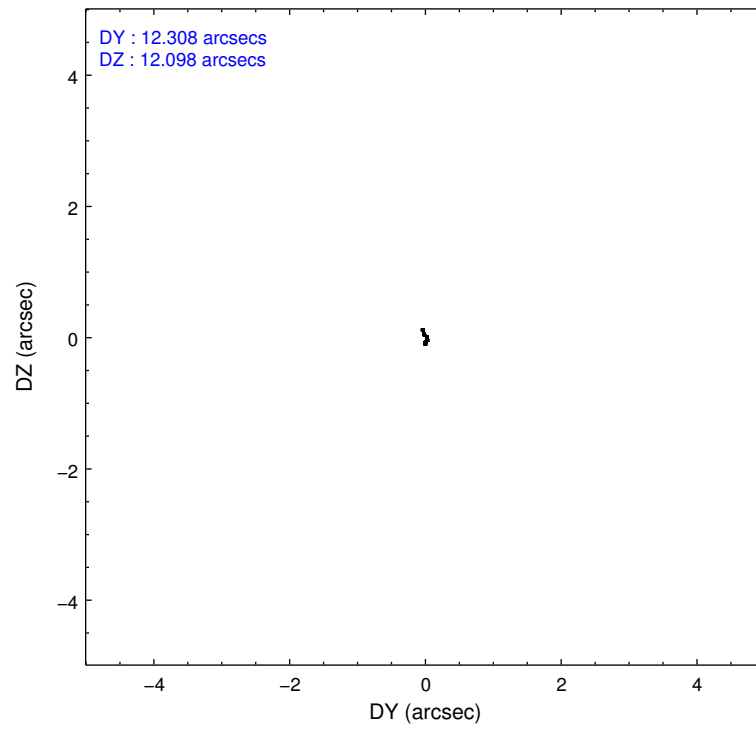
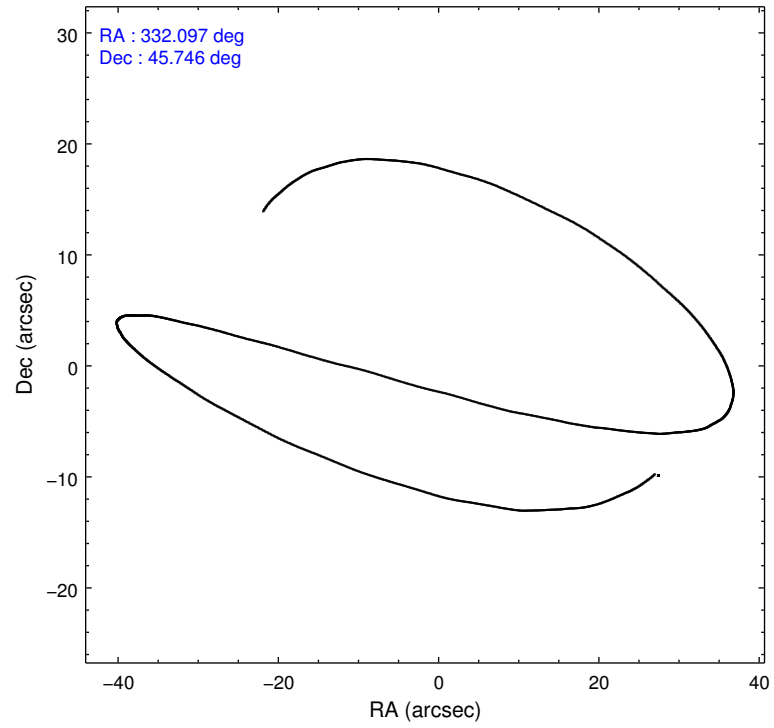
#### Level 1 Events

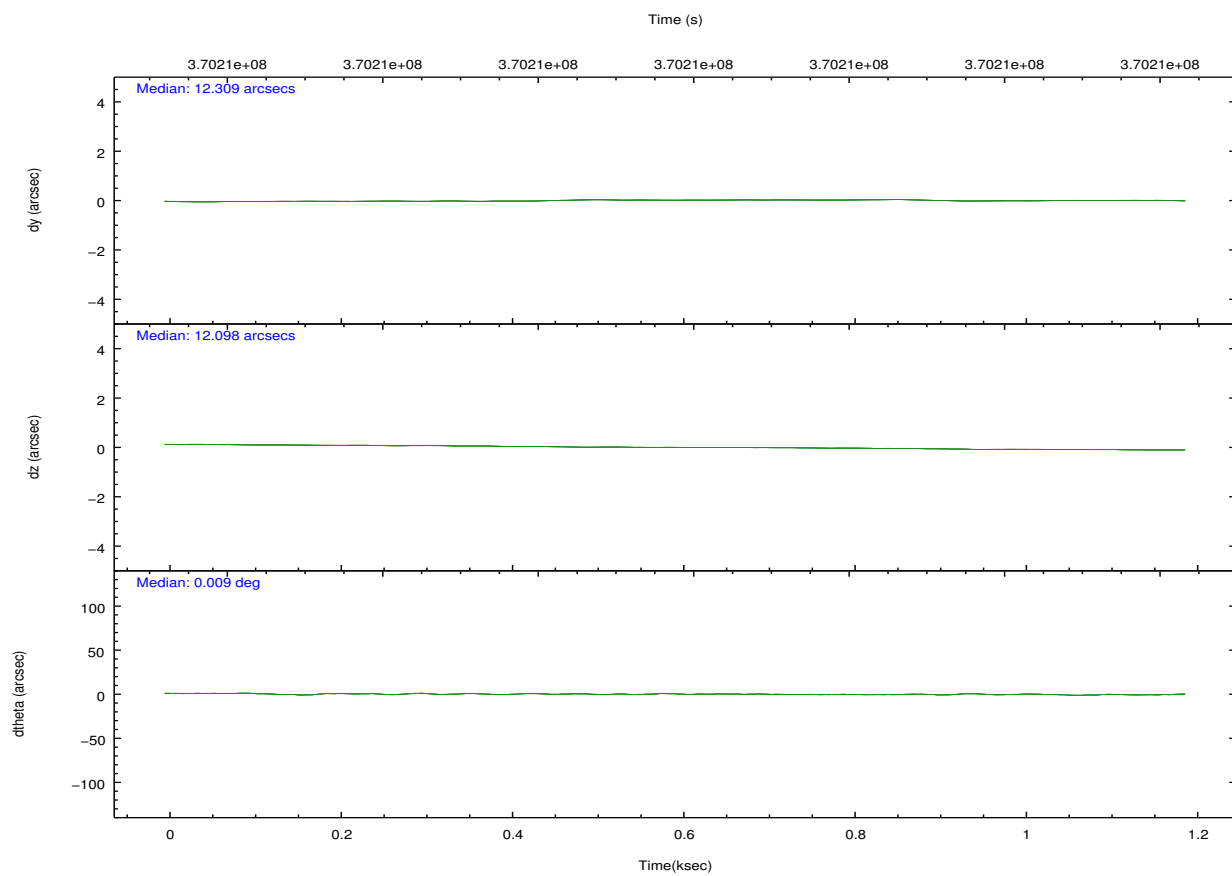
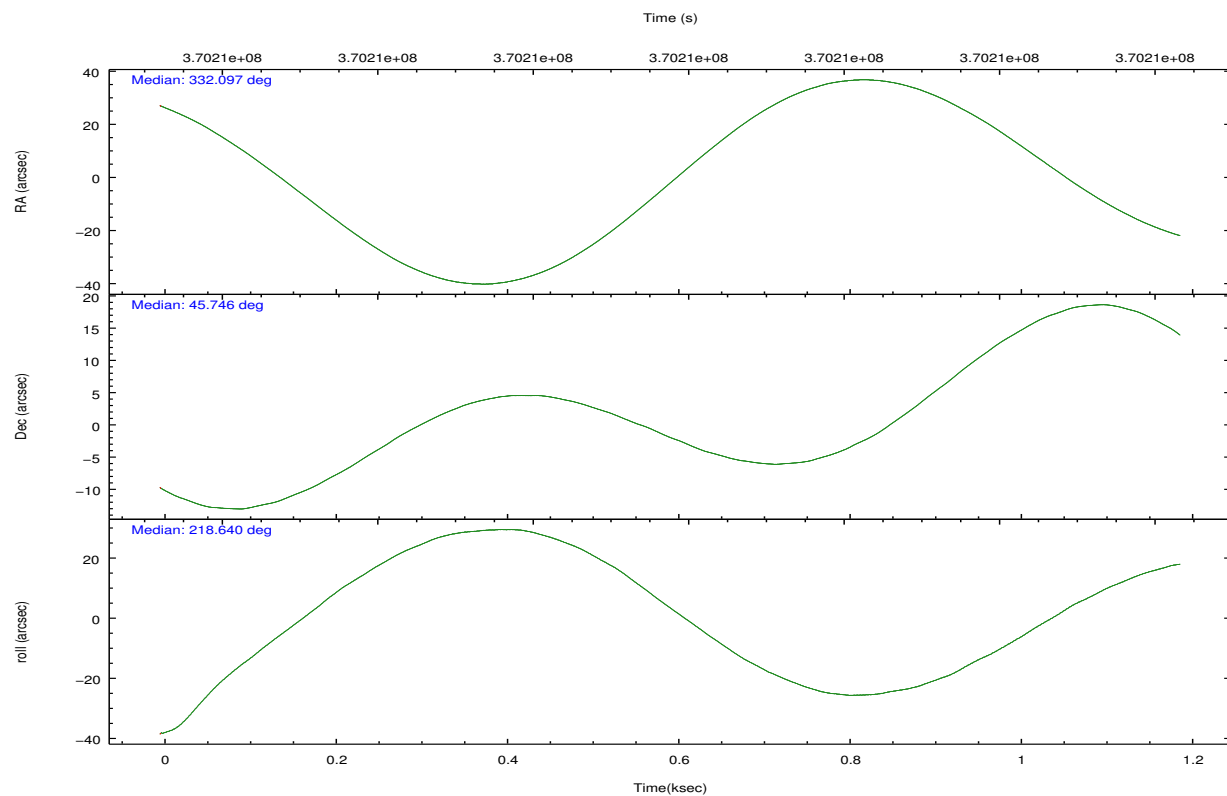
	<b>segment 0</b>
level 1 events	174240
rejected events	36902
rejected %	21%

## 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	332.110432	332.0971094045922			
[deg] Pointing Dec	45.771787	45.74628120441667			
[deg] Pointing Roll	218.726786	218.6407614438723			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	126.985494	126.9804656746847			
[mm] SIM translation stage offset	0	0.005023216916882234			
[s] Observation start time (MET)	370209369.184000	370208993.20914			
Observation start date	2009-09-24T19:55:03	2009-09-24T19:49:53			
[s] Observation end time (MET)	370210369.184000	370210503.03421			
Observation end date	2009-09-24T20:11:43	2009-09-24T20:15:03			

## 2.3 Aspect





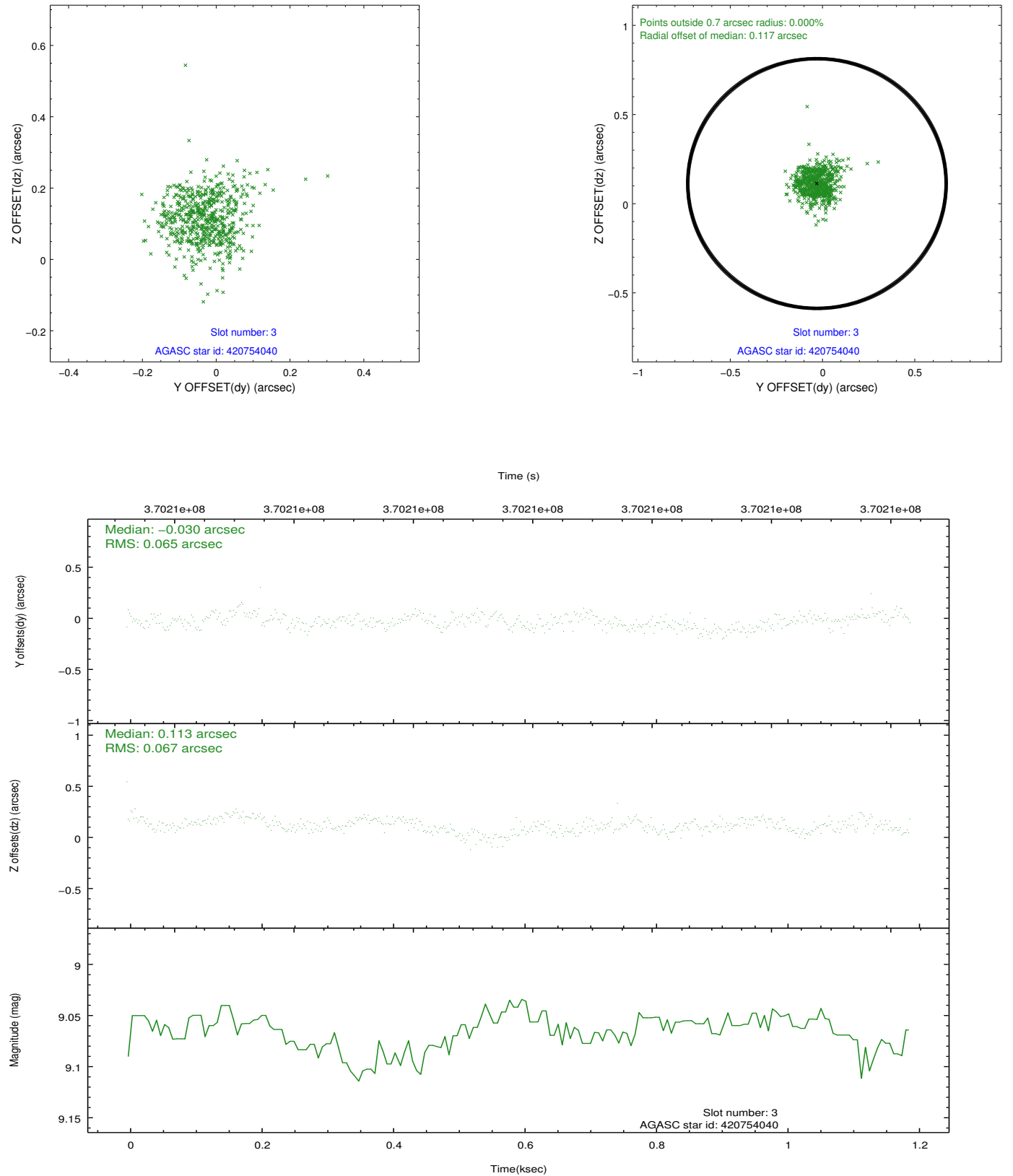
### Slot Statistics

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	291	-0.045	0.018	0.007	0.013	0.000000	0.000000	-768.09	-1300.02
1	FID	HRC-I-2	7.02	291	0.214	-0.142	0.010	0.016	0.000000	0.000000	842.16	-1306.23
2	FID	HRC-I-3	7.07	291	-0.050	0.036	0.012	0.018	0.000000	0.000000	-1193.67	1000.07
3	GUIDE	420754040	9.06	581	-0.030	0.113	0.095	0.157	331.917939	44.882543	2384.90	2190.77
4	GUIDE	472523760	8.23	582	-0.013	-0.119	0.072	0.122	331.645363	45.403260	1749.62	300.96
5	GUIDE	472533912	9.15	581	0.023	0.008	0.123	0.196	331.791136	46.368695	-723.04	-2172.98
6	GUIDE	472655152	9.43	582	-0.054	-0.126	0.125	0.205	332.504239	45.862991	-977.91	356.18
7	GUIDE	472665256	9.02	580	0.072	0.144	0.073	0.125	332.808125	46.195041	-2315.48	-105.91

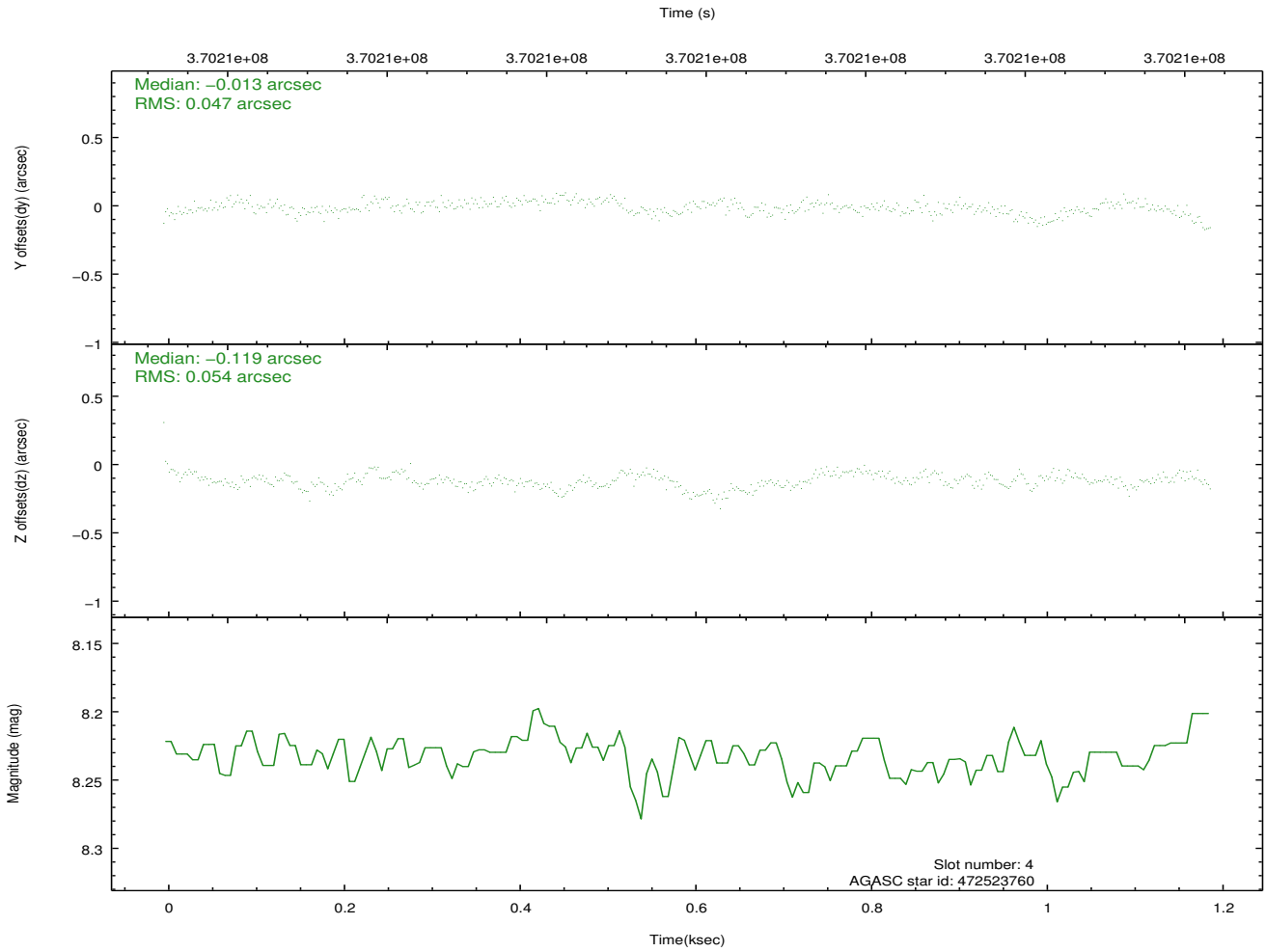
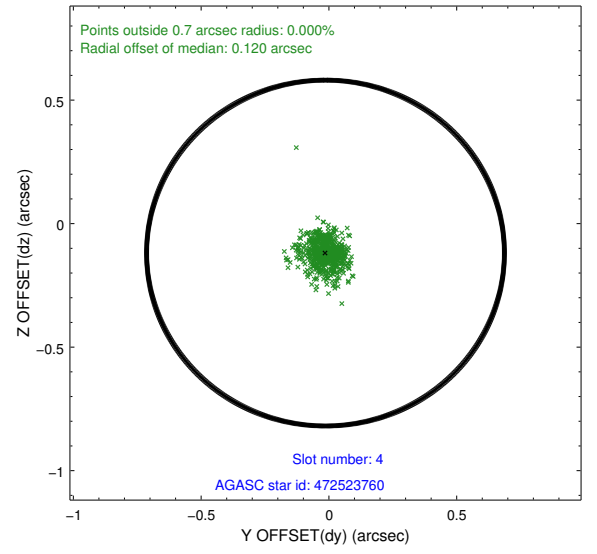
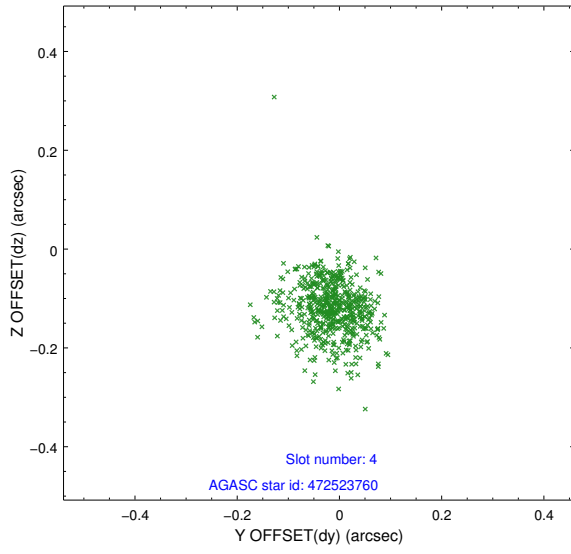


## 2.4 Star Slots

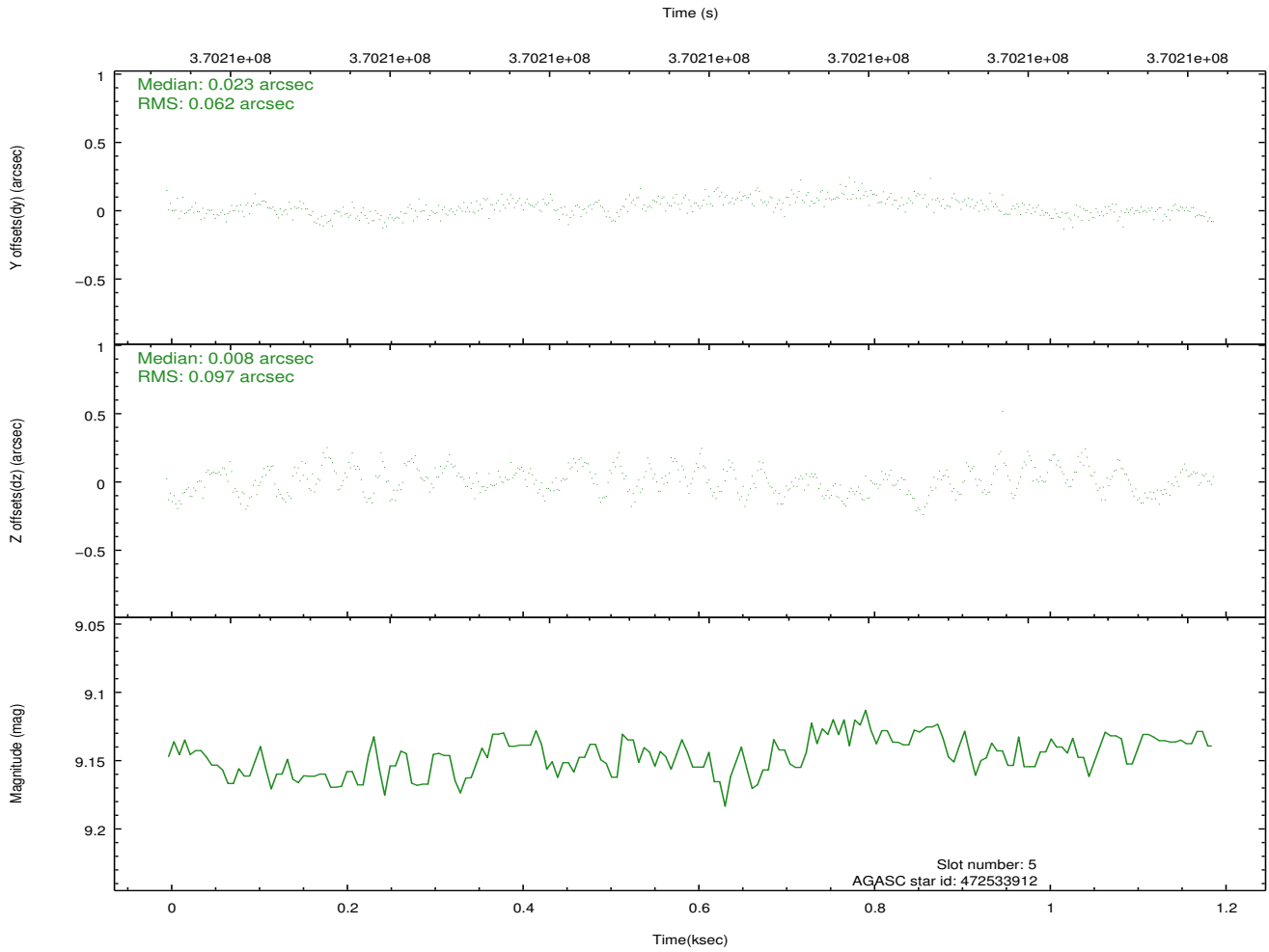
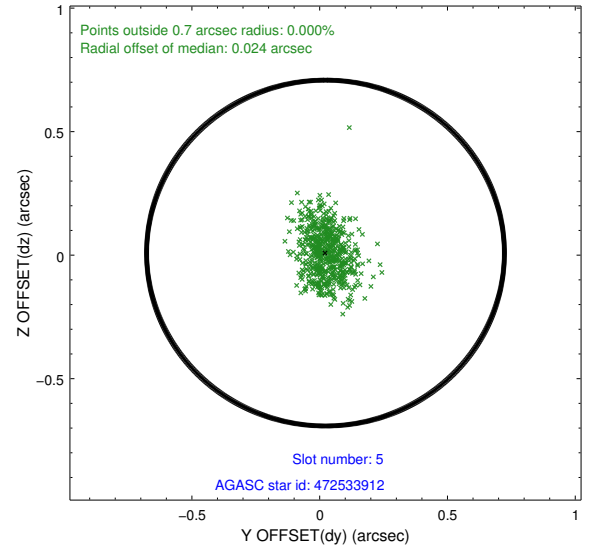
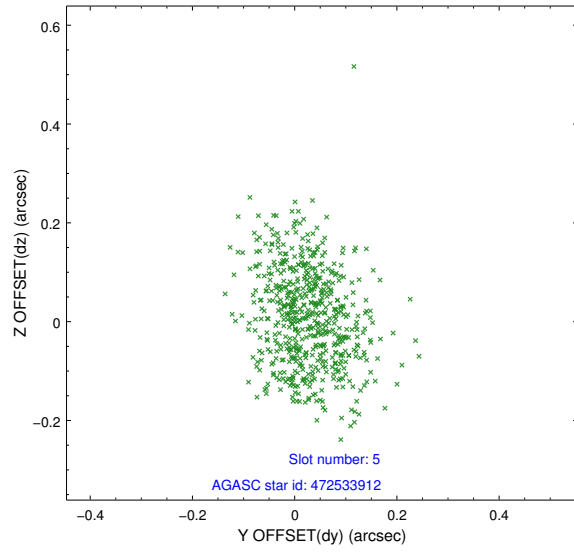
### 2.4.1 Slot 3



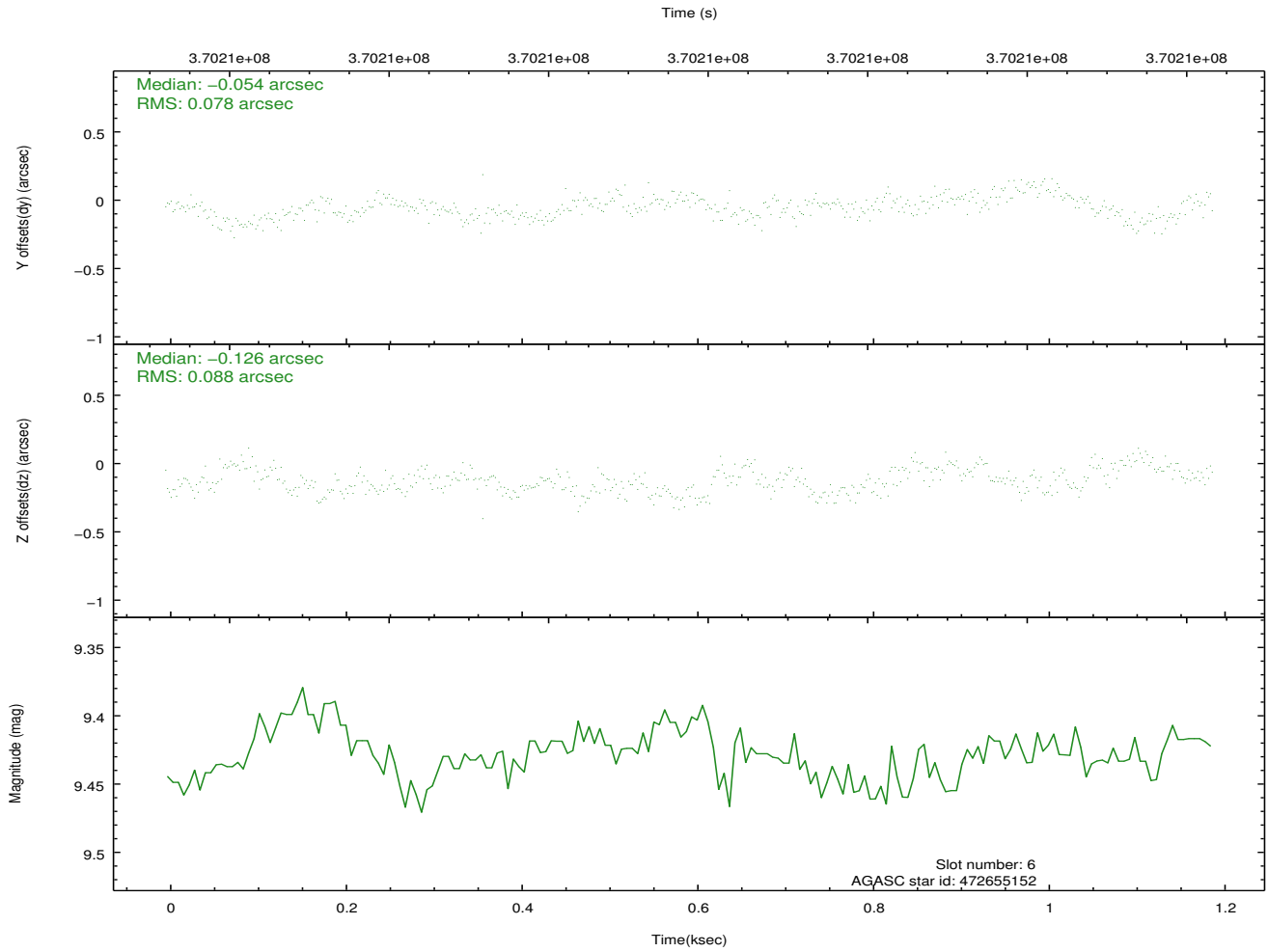
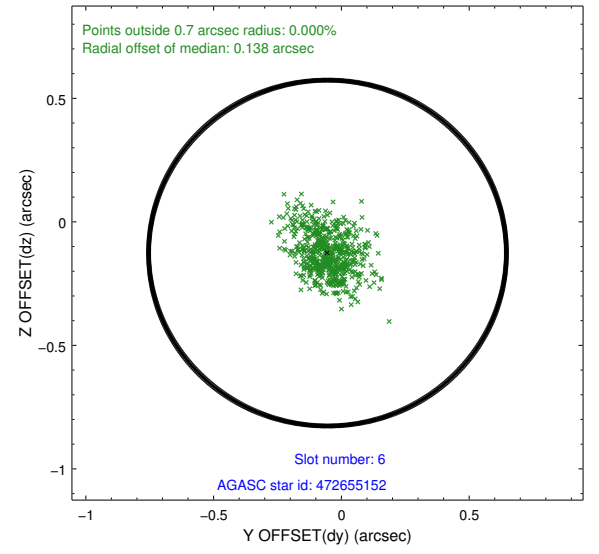
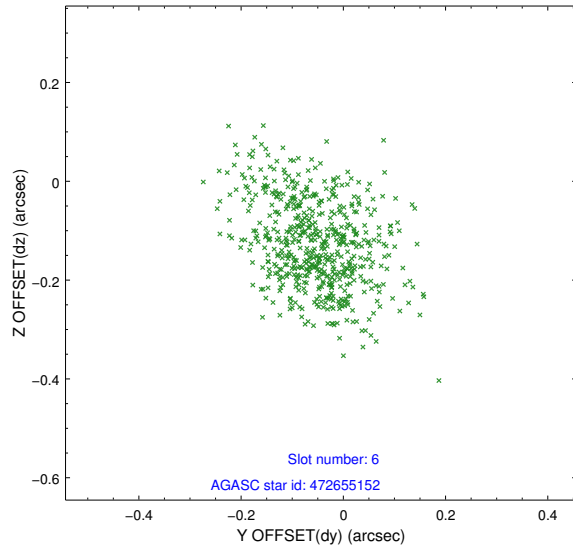
## 2.4.2 Slot 4



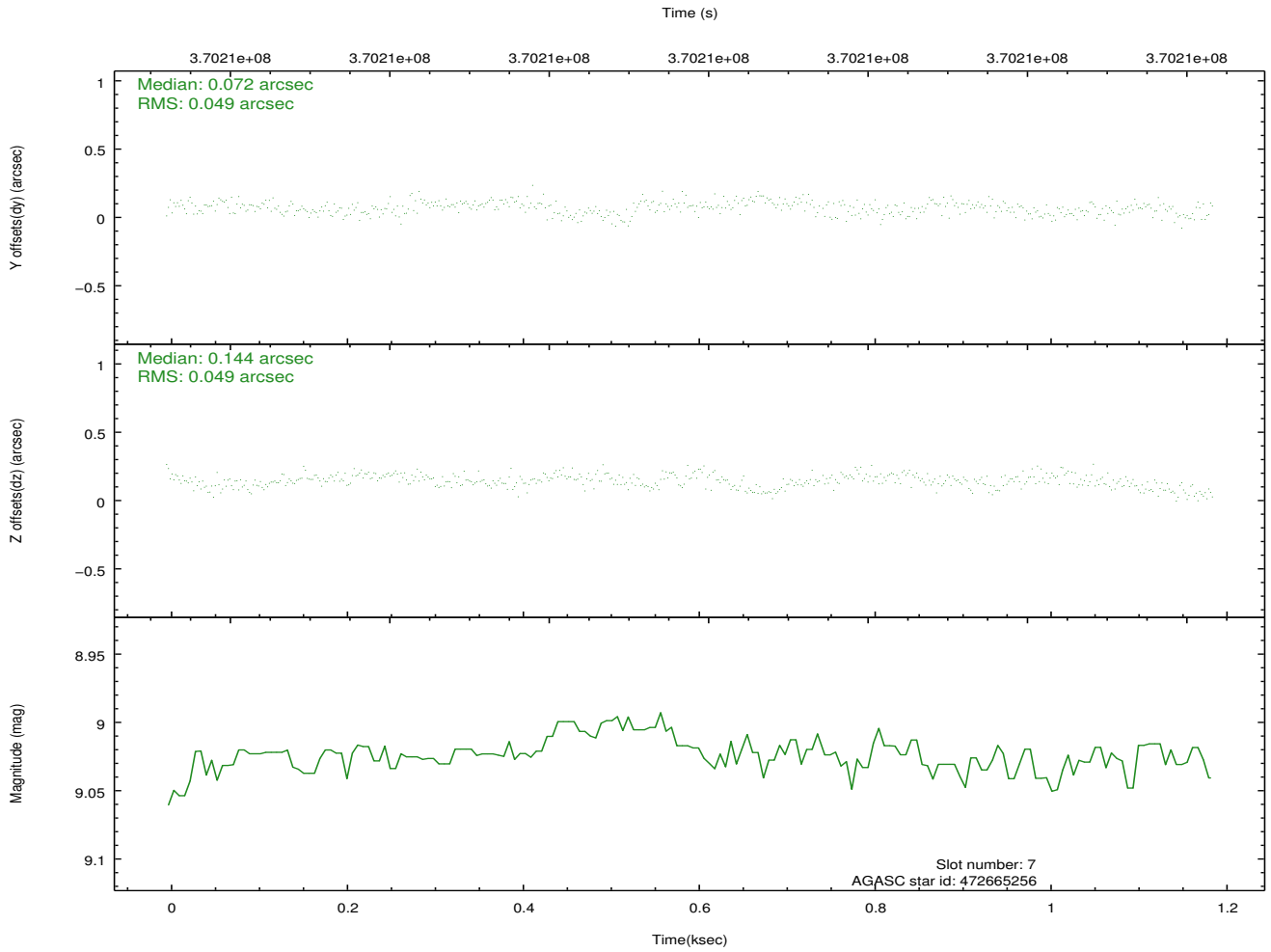
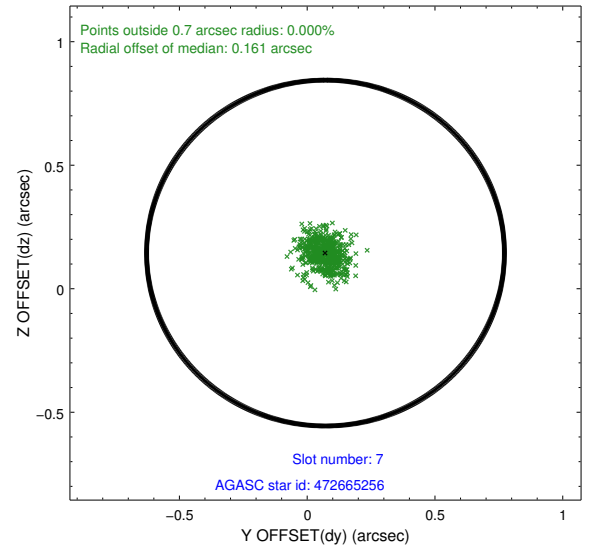
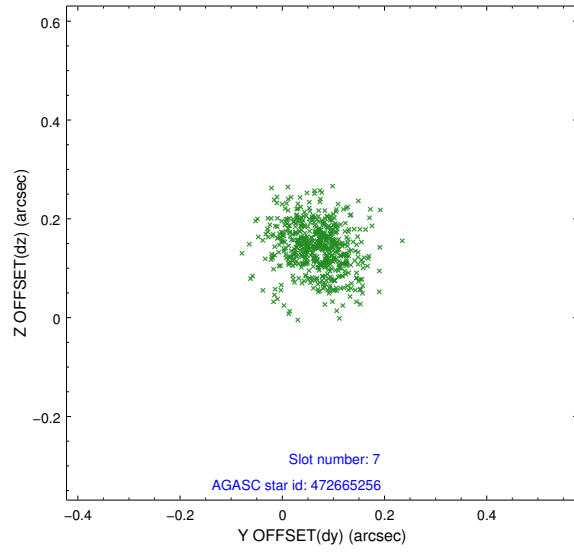
### 2.4.3 Slot 5



## 2.4.4 Slot 6

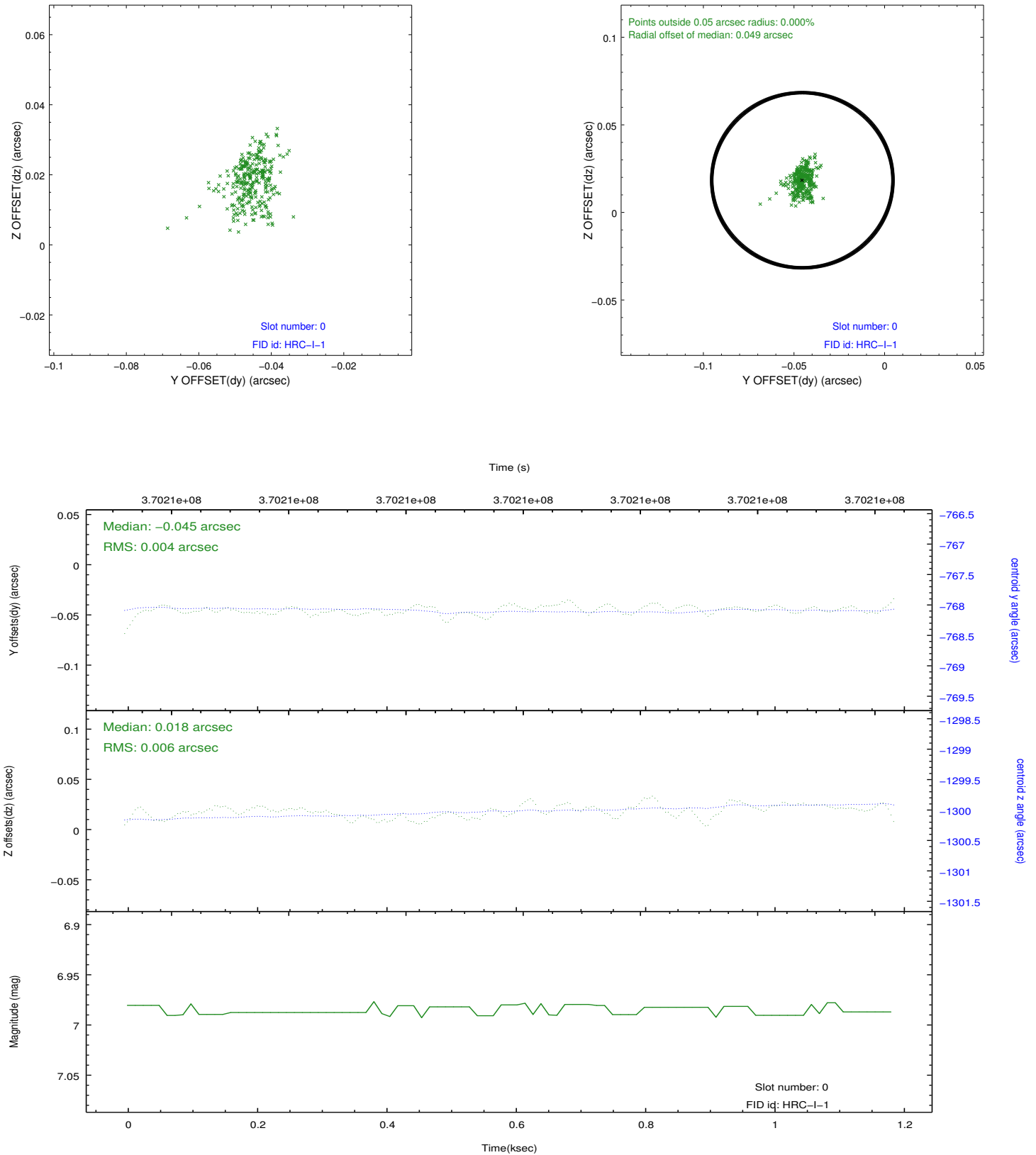


## 2.4.5 Slot 7

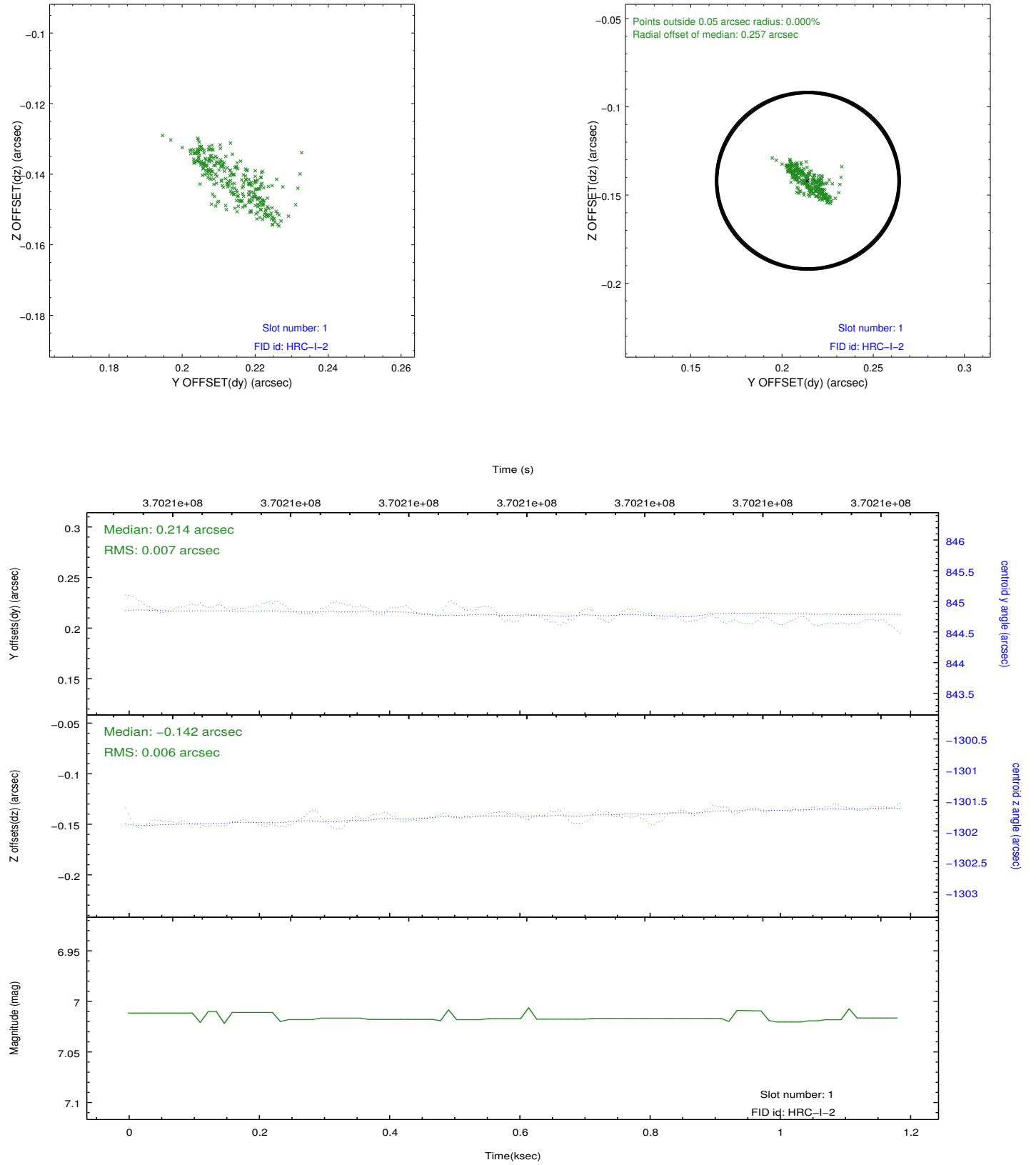


## 2.5 FID Slots

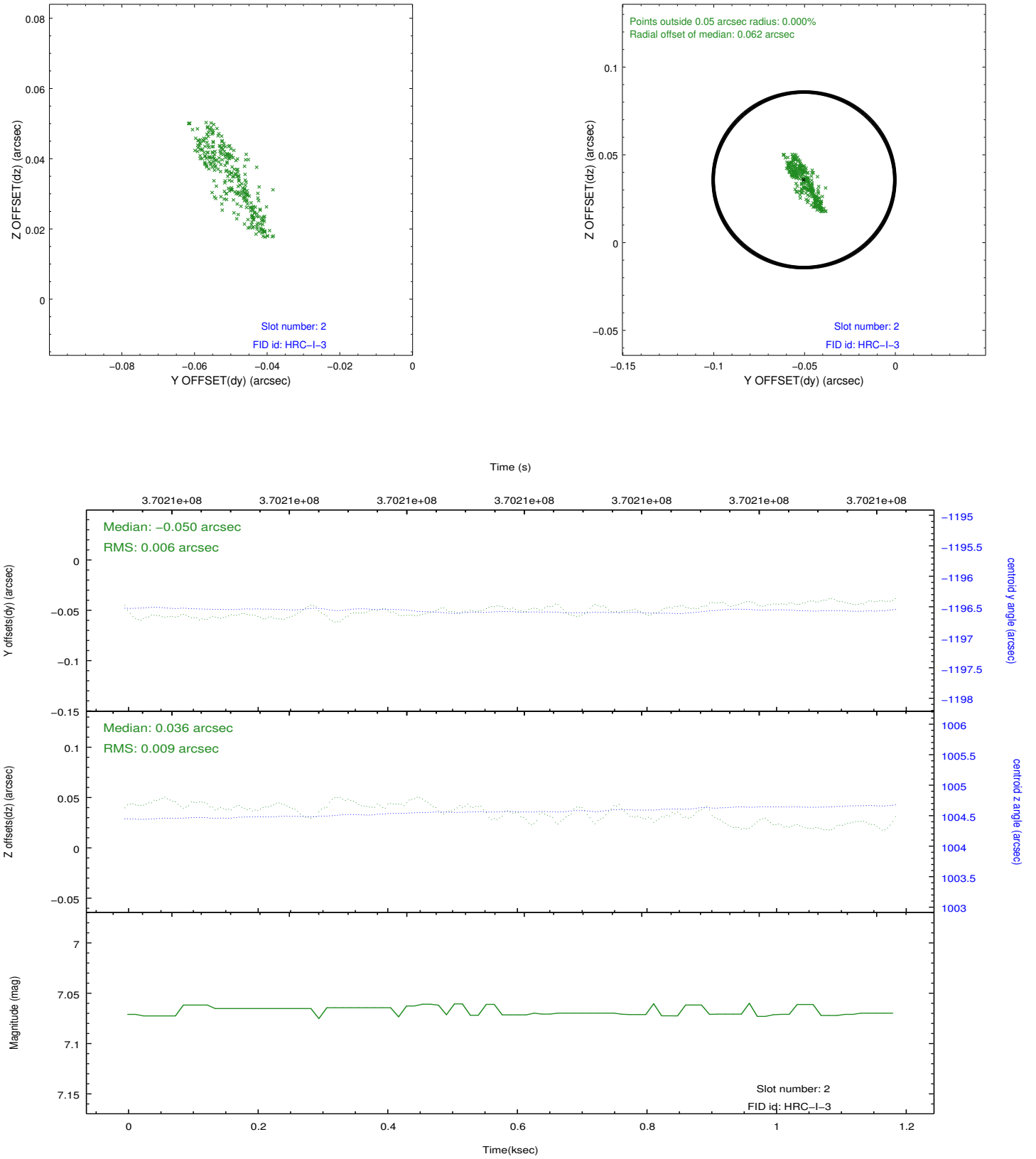
### 2.5.1 Slot 0



## 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)	2012.08.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1902813097835

### A.2 Comments