

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 10579 - L2 Version 3  
Chandra X-Ray Center

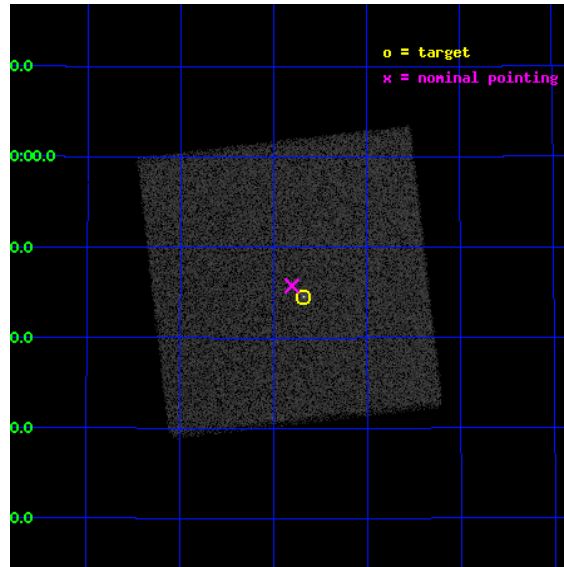
L2 Processing Date : Aug 13 2012

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# 1 Front

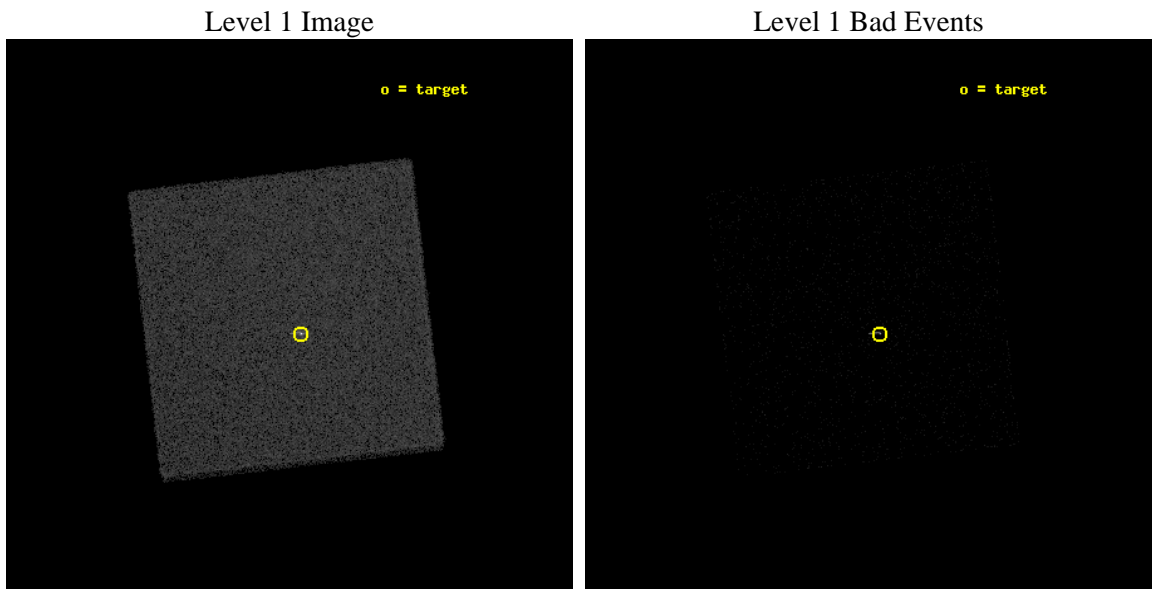
seq_num	290815	Sequence number
obs_id	10579	Observation id
title	AO-10 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.20108834134	Nominal RA [deg]
dec_nom	45.762877448053	Nominal Dec [deg]
roll_nom	218.38408771641	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1182.0813094378	[s]
livetime	1167.2286979281	Ontime multiplied by DTCOR
l2events	94518	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	1182.0813094378	[s]
caldbver	4.5.1.1	&#160	l1events	173322	Number of level 1 events
date	2012-08-13T14:16:36	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

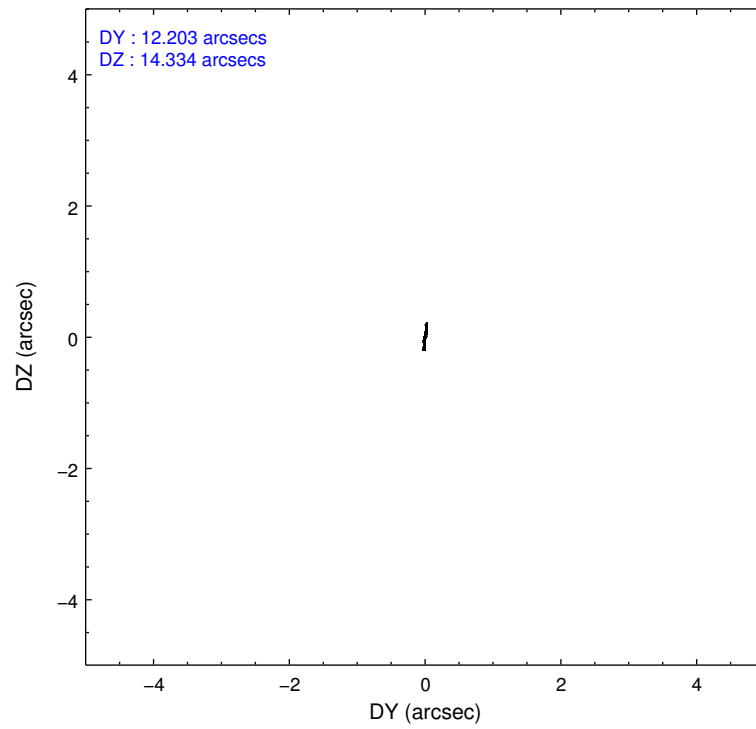
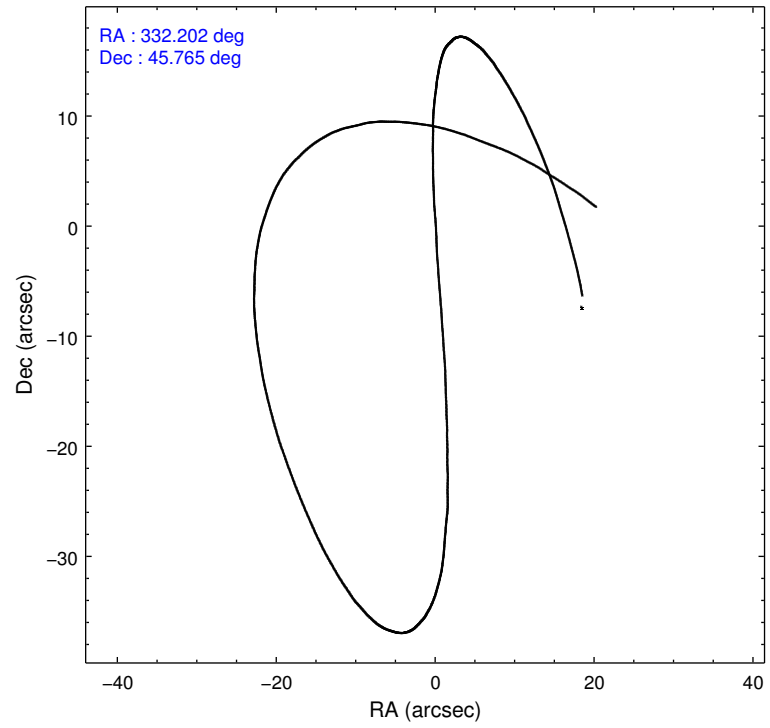
	<b>segment 0</b>
level 1 events	173322
rejected events	37626
rejected %	21%

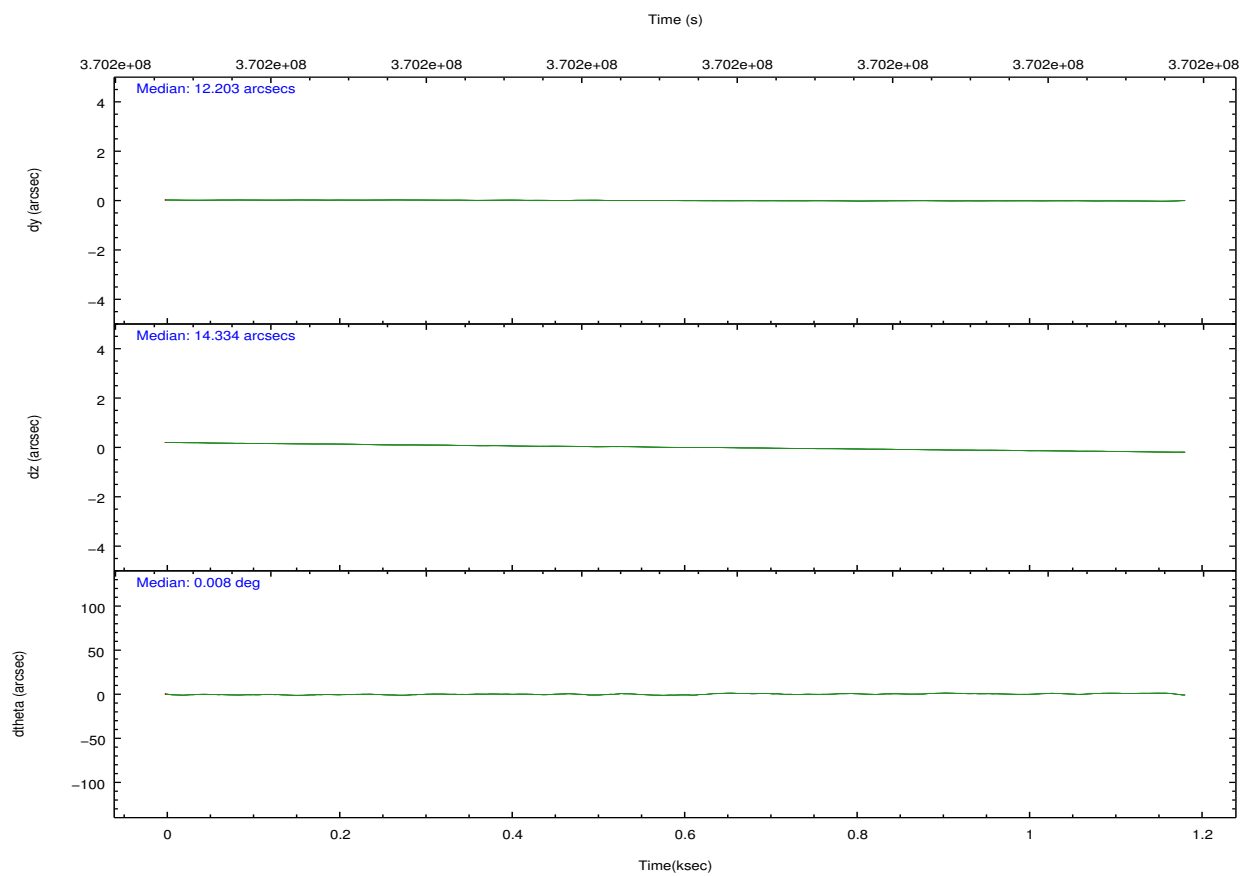
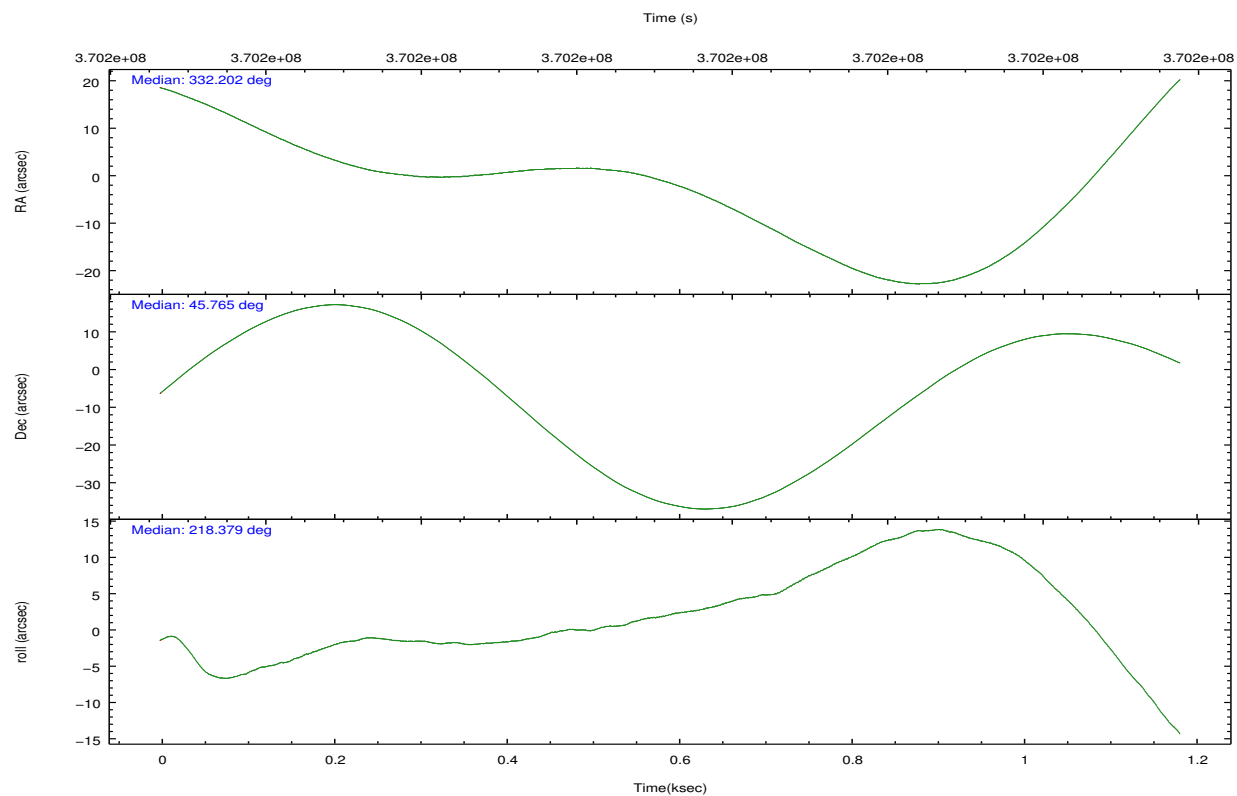
## 2.2 Compared Parameters

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	332.215123	332.2010883413448
[deg] Pointing Dec	45.787340	45.76287744805285
[deg] Pointing Roll	218.469489	218.3840877164126
[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)	370200309.184000	370199933.23368
Observation start date	2009-09-24T17:24:03	2009-09-24T17:18:53
[s] Observation end time (MET)	370201309.184000	370201443.05876
Observation end date	2009-09-24T17:40:43	2009-09-24T17:44:03

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

## 2.3 Aspect





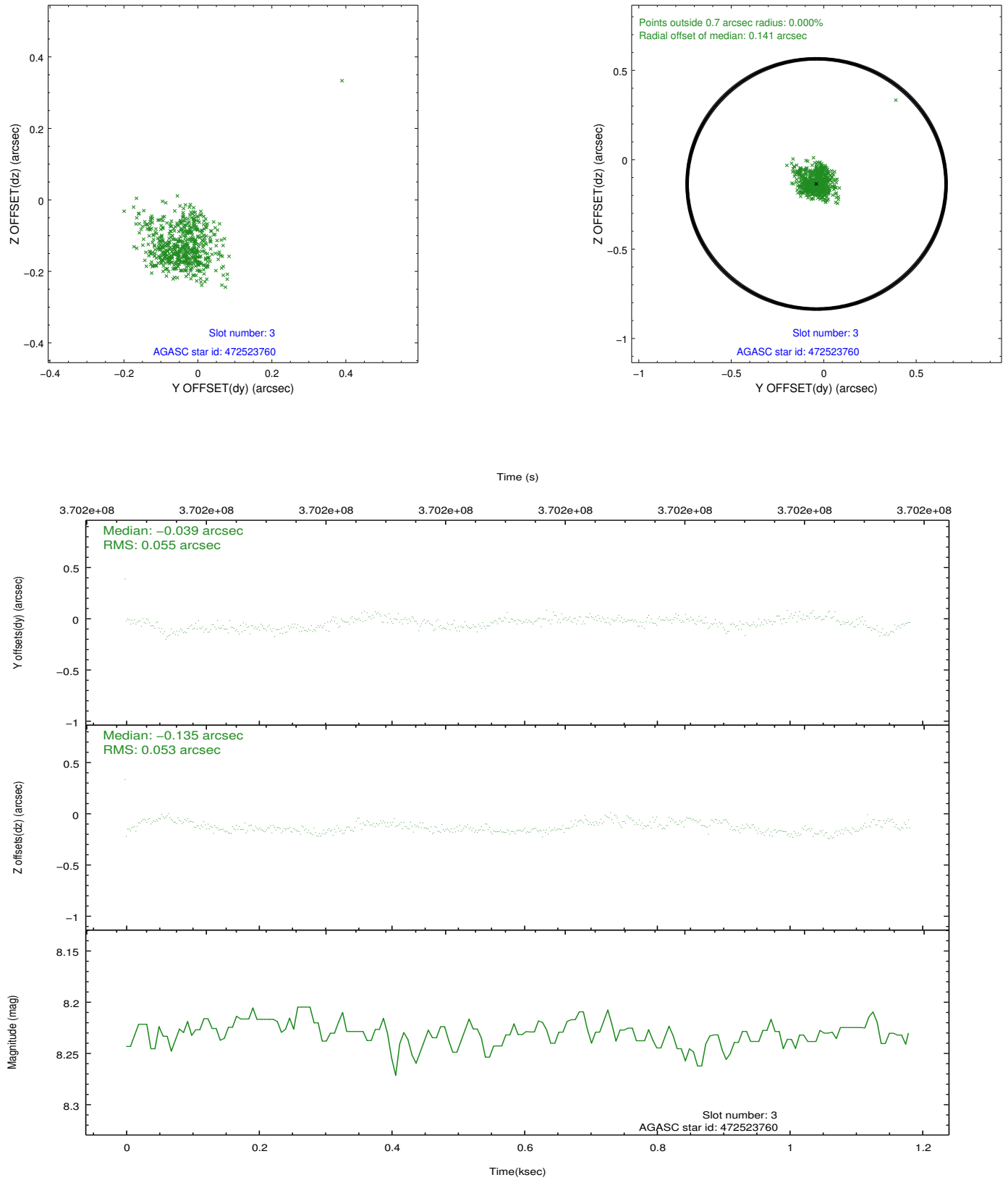
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.98	289	-0.081	0.028	0.008	0.016	0.000000	0.000000	-767.99	-1302.33
1	FID	HRC-I-2	7.01	289	0.223	-0.113	0.006	0.009	0.000000	0.000000	842.29	-1308.52
2	FID	HRC-I-3	7.07	289	-0.022	-0.004	0.006	0.012	0.000000	0.000000	-1193.54	997.67
3	GUIDE	472523760	8.23	578	-0.039	-0.135	0.077	0.122	331.645363	45.403260	1986.23	186.72
4	GUIDE	472533912	9.15	576	0.032	0.047	0.114	0.209	331.791136	46.368695	-473.77	-2291.68
5	GUIDE	472655152	9.42	576	-0.025	-0.142	0.123	0.201	332.504239	45.862991	-736.94	236.57
6	GUIDE	472665256	9.02	575	0.042	0.087	0.088	0.134	332.808125	46.195041	-2072.90	-229.73
7	GUIDE	472654568	9.42	576	-0.003	0.136	0.103	0.177	332.194449	45.063576	1659.96	2011.24

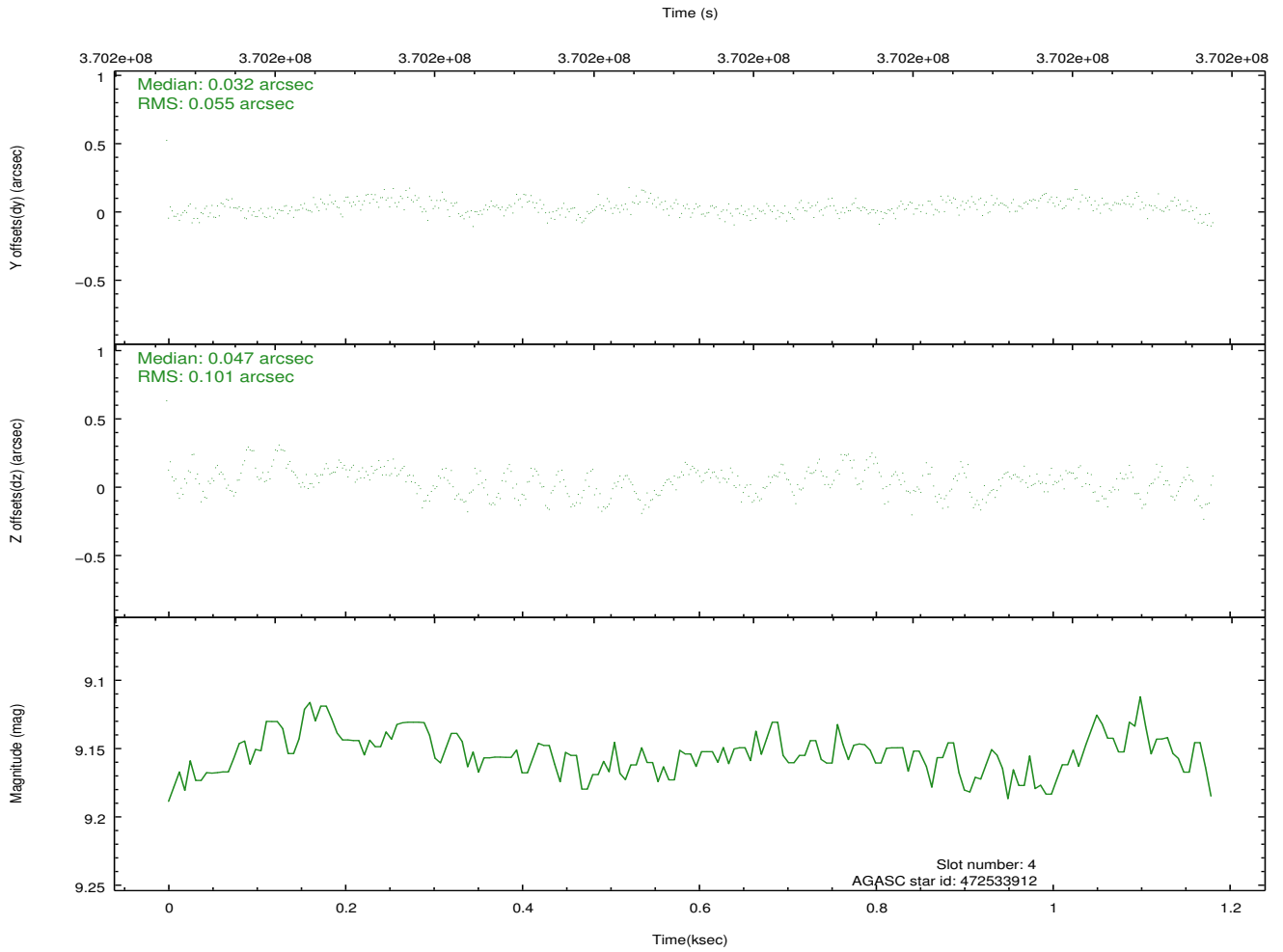
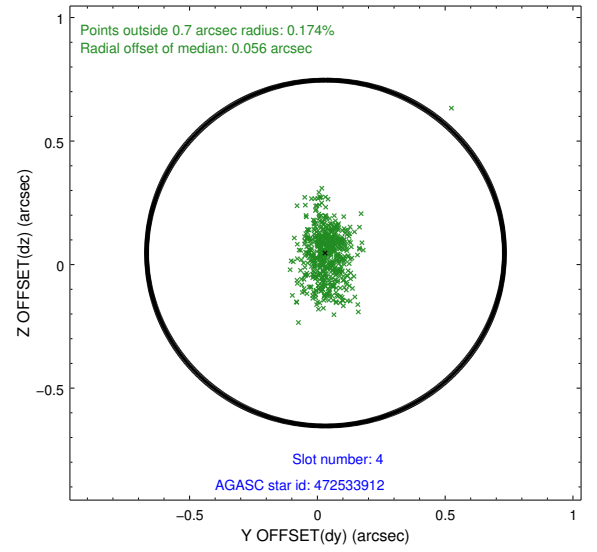
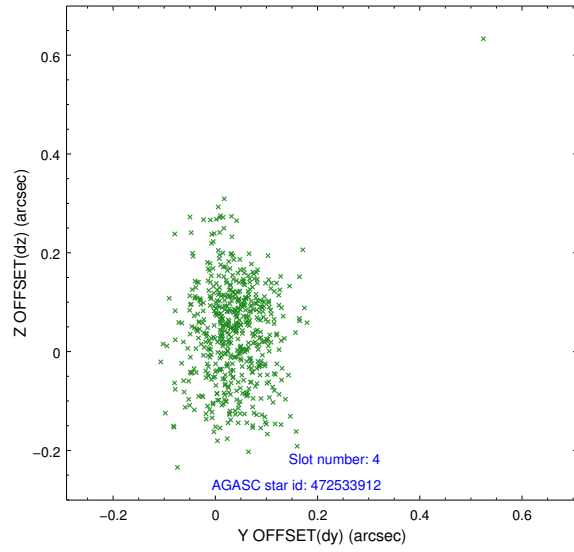


## 2.4 Star Slots

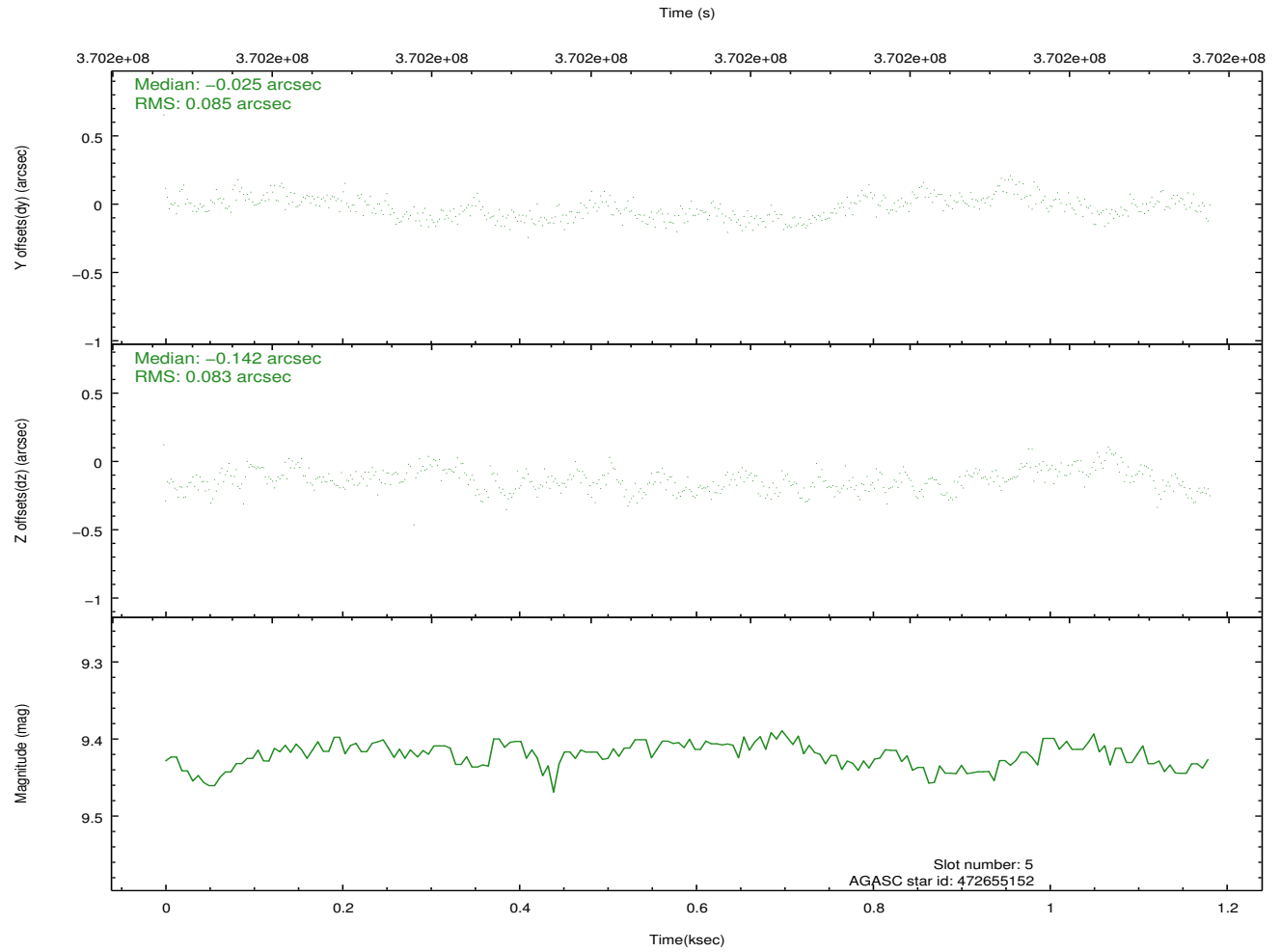
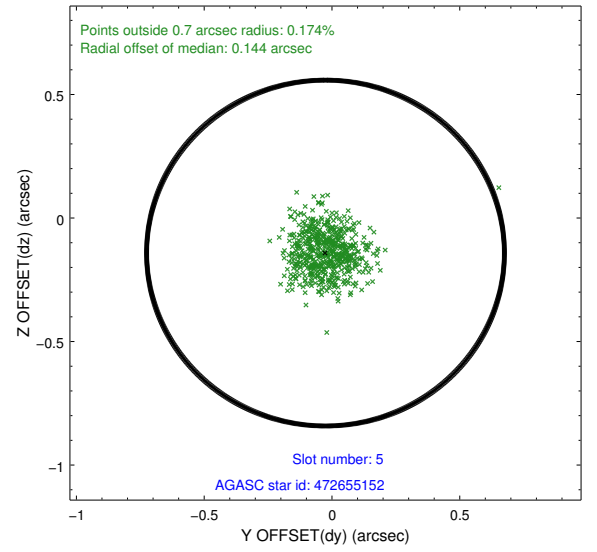
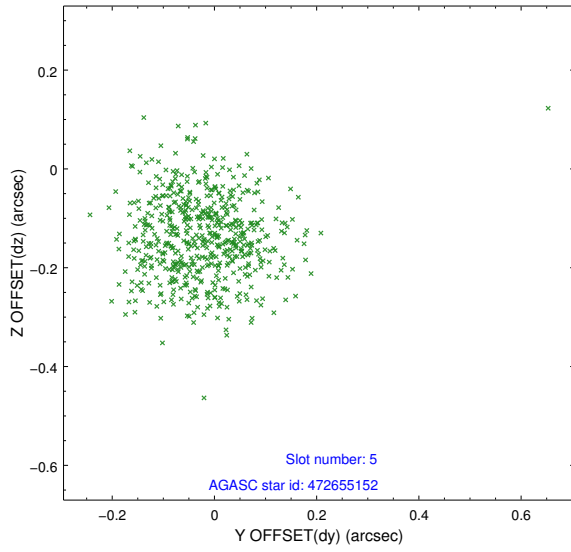
### 2.4.1 Slot 3



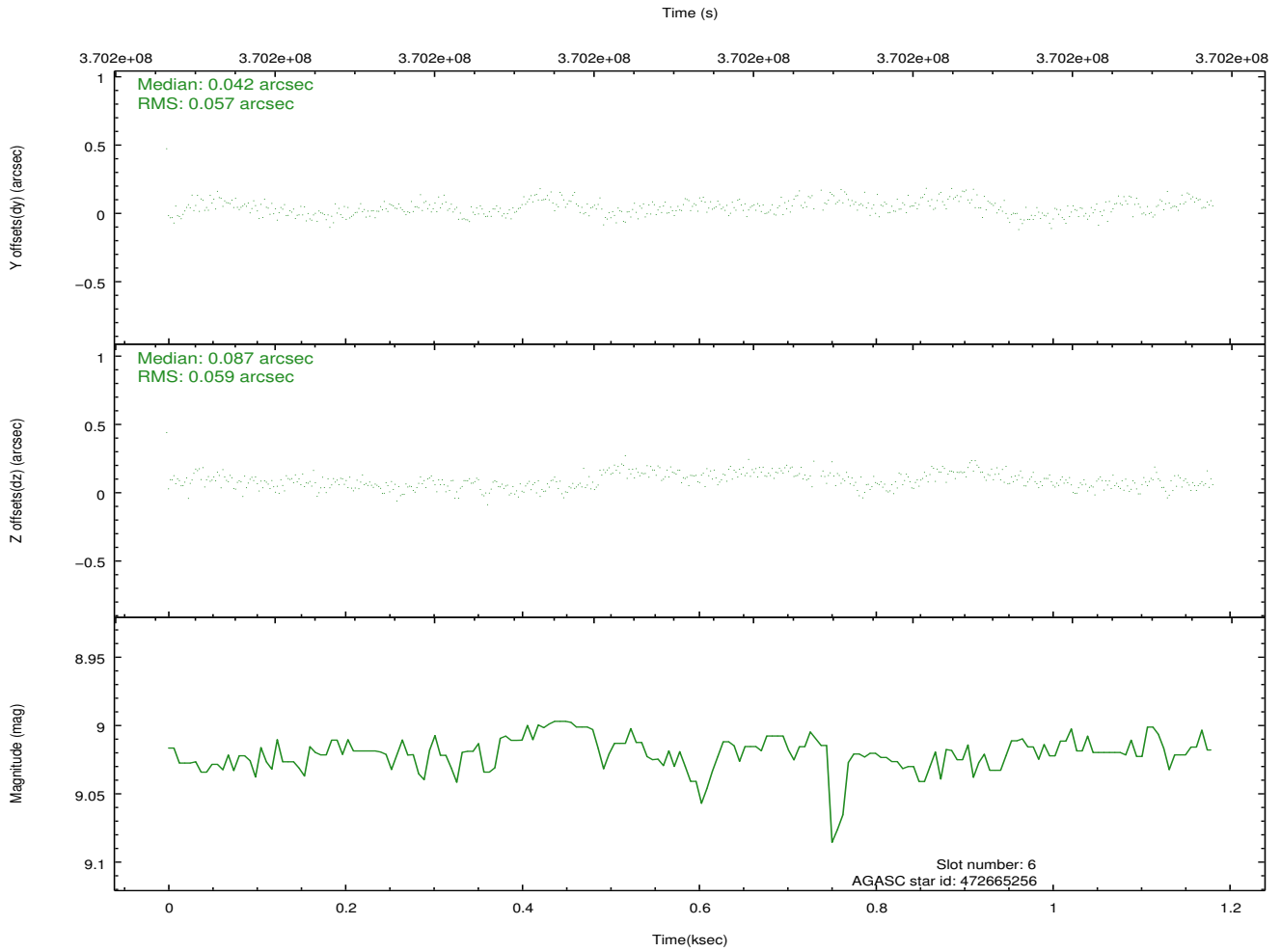
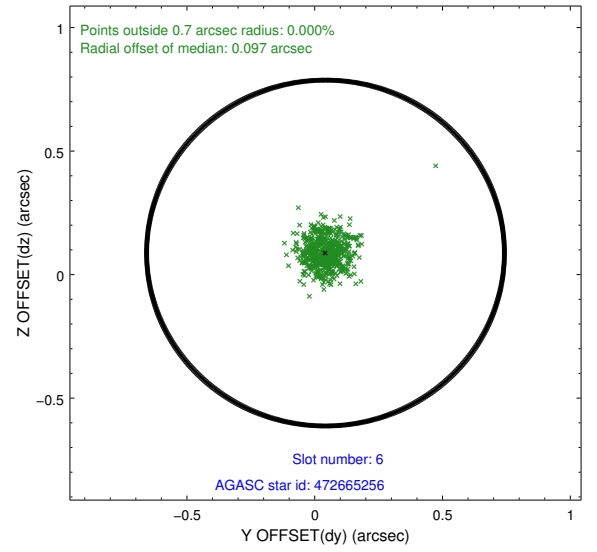
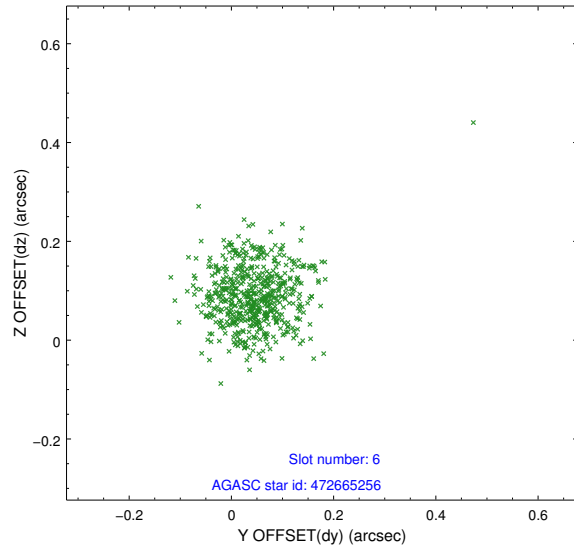
## 2.4.2 Slot 4



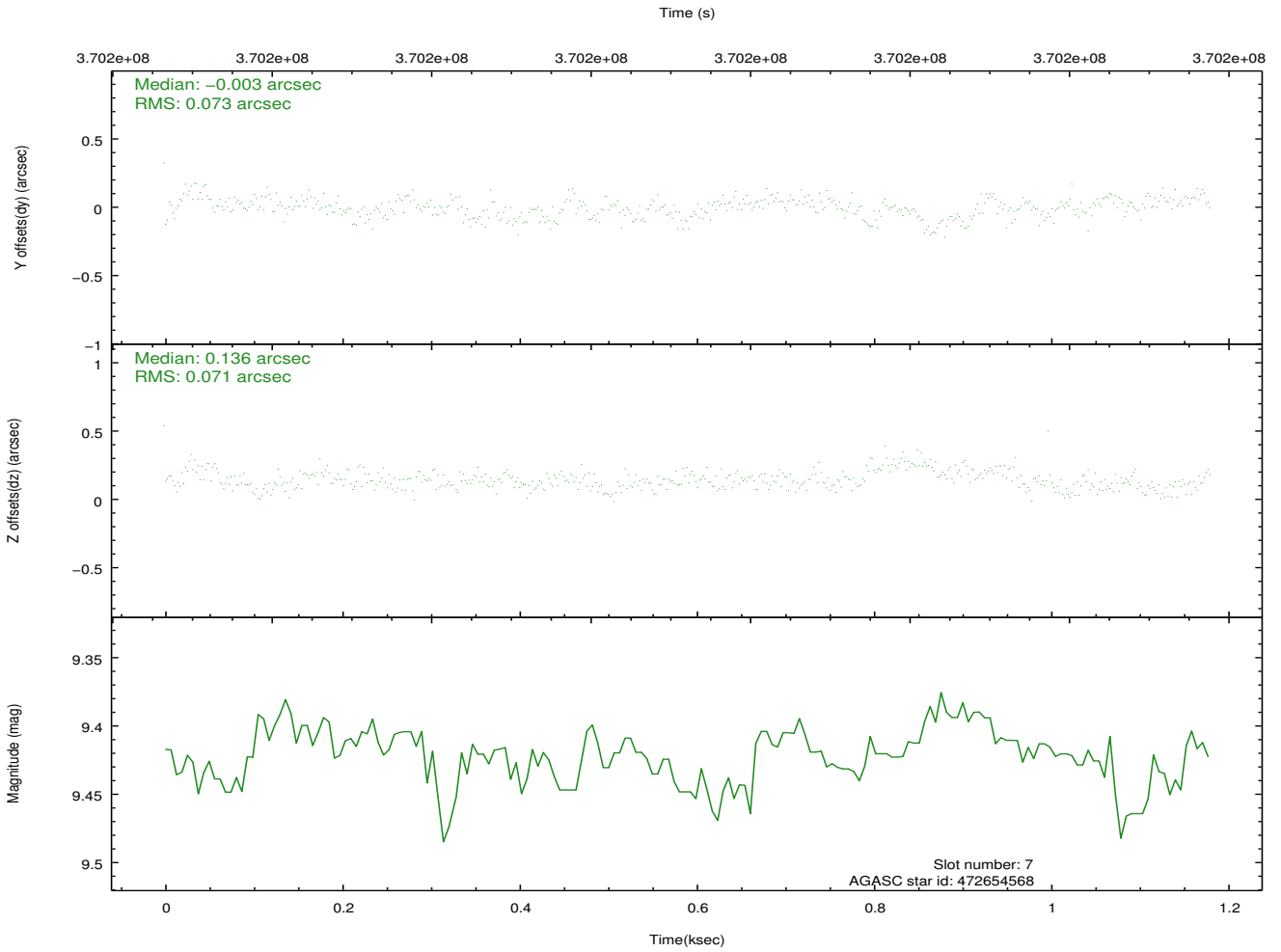
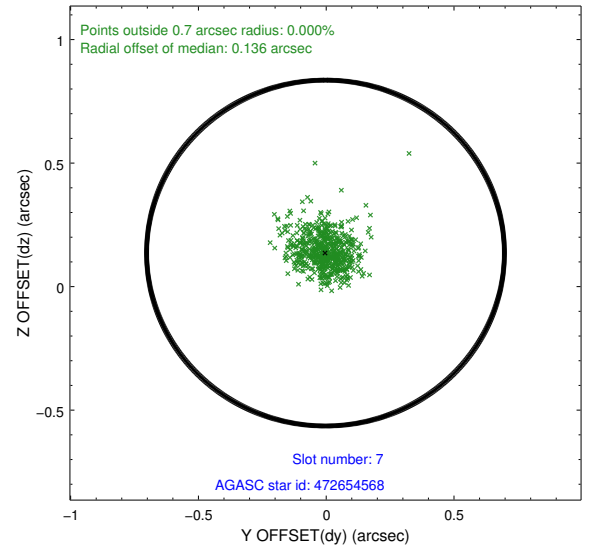
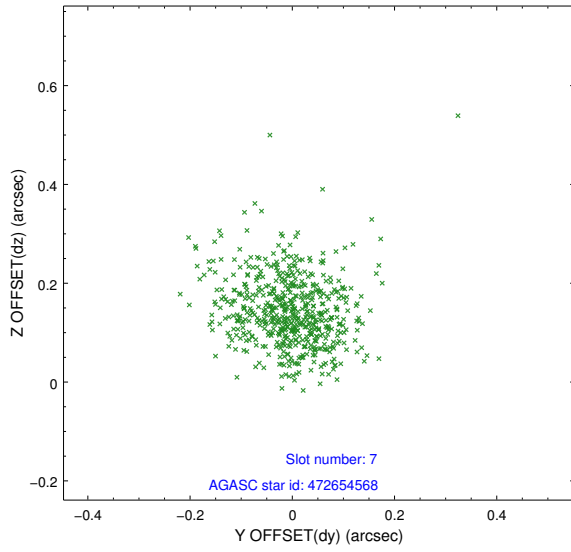
### 2.4.3 Slot 5



## 2.4.4 Slot 6

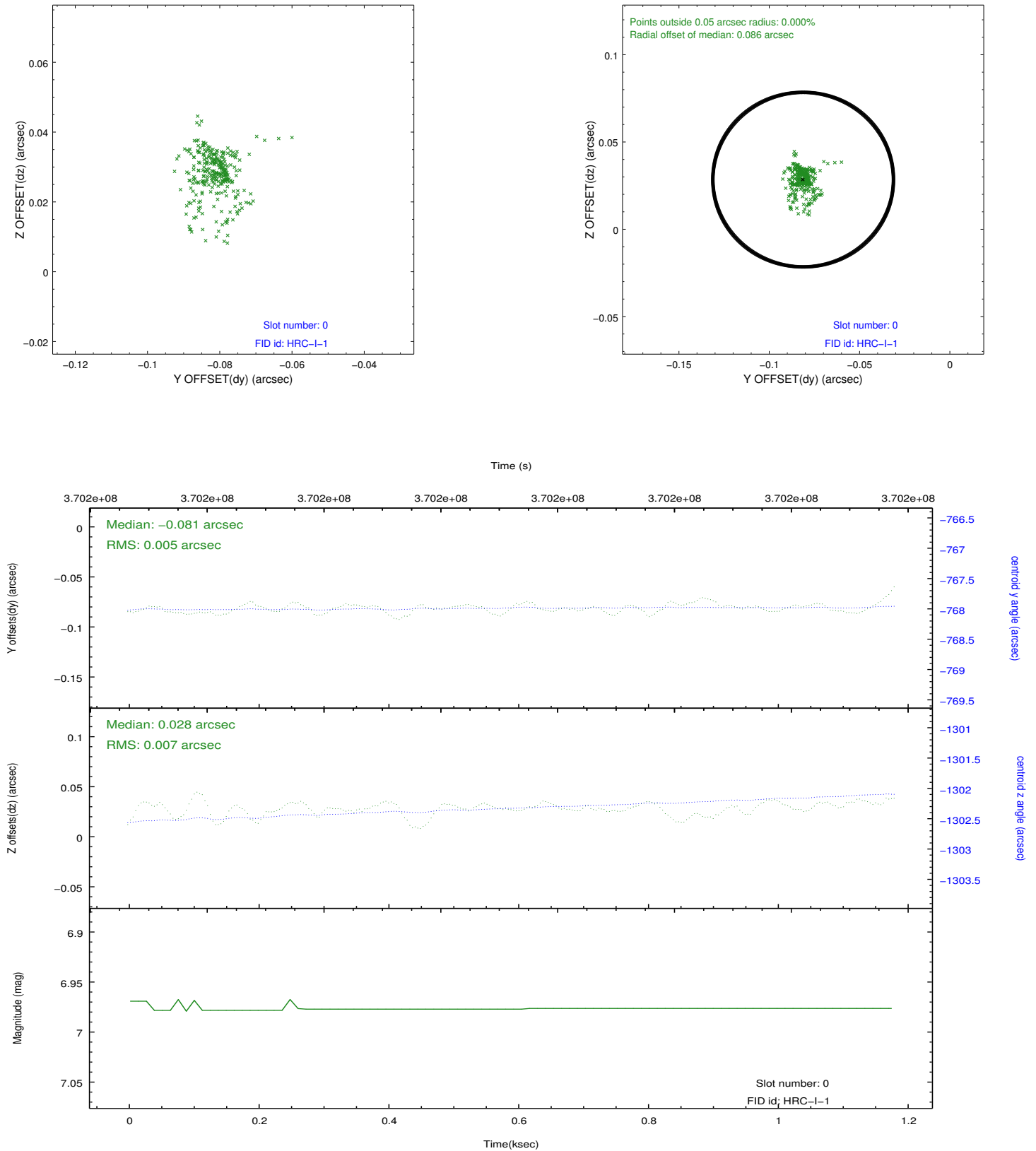


## 2.4.5 Slot 7

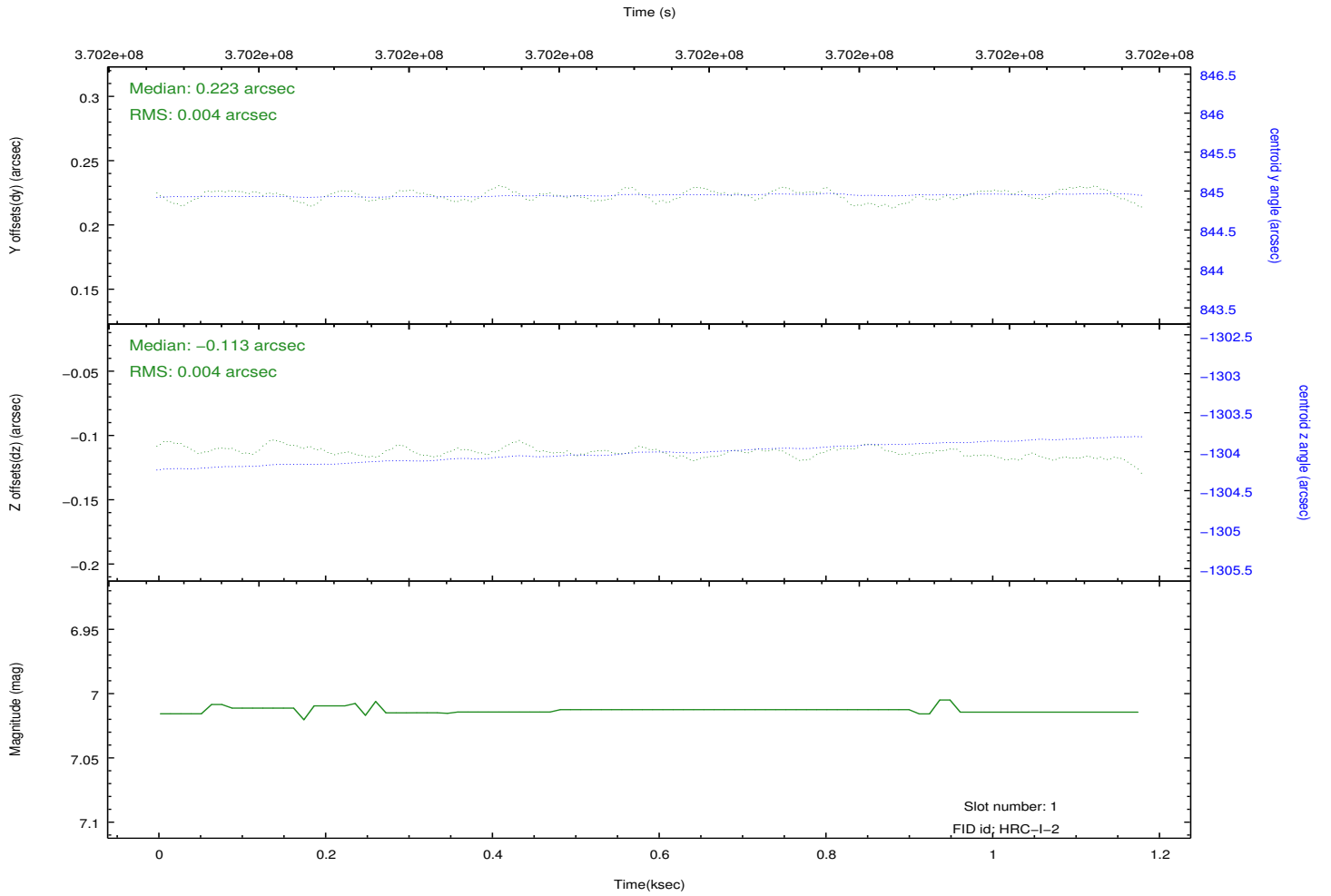
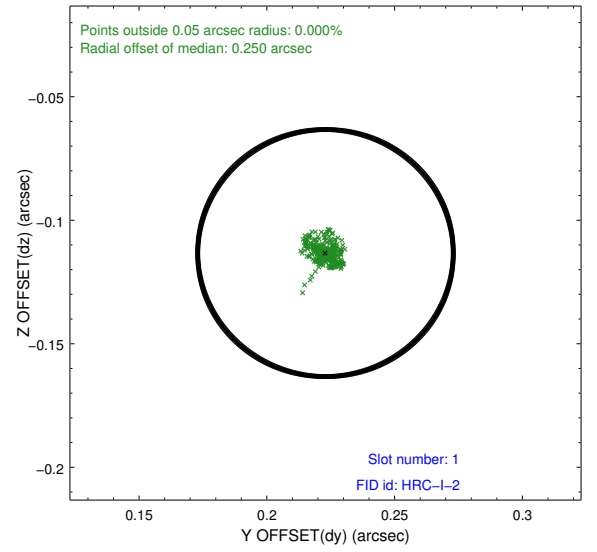
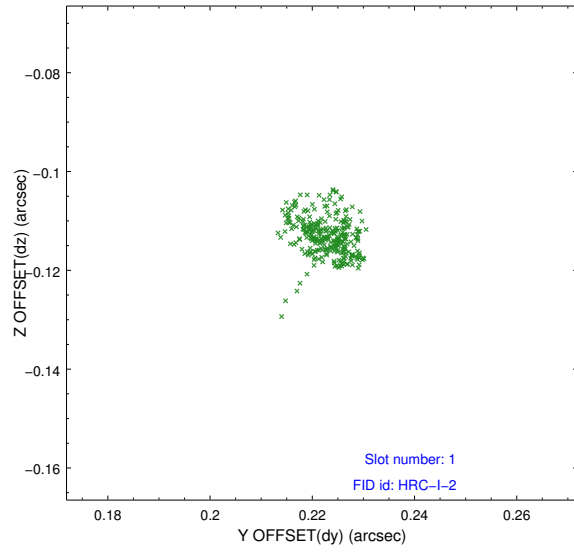


## 2.5 FID Slots

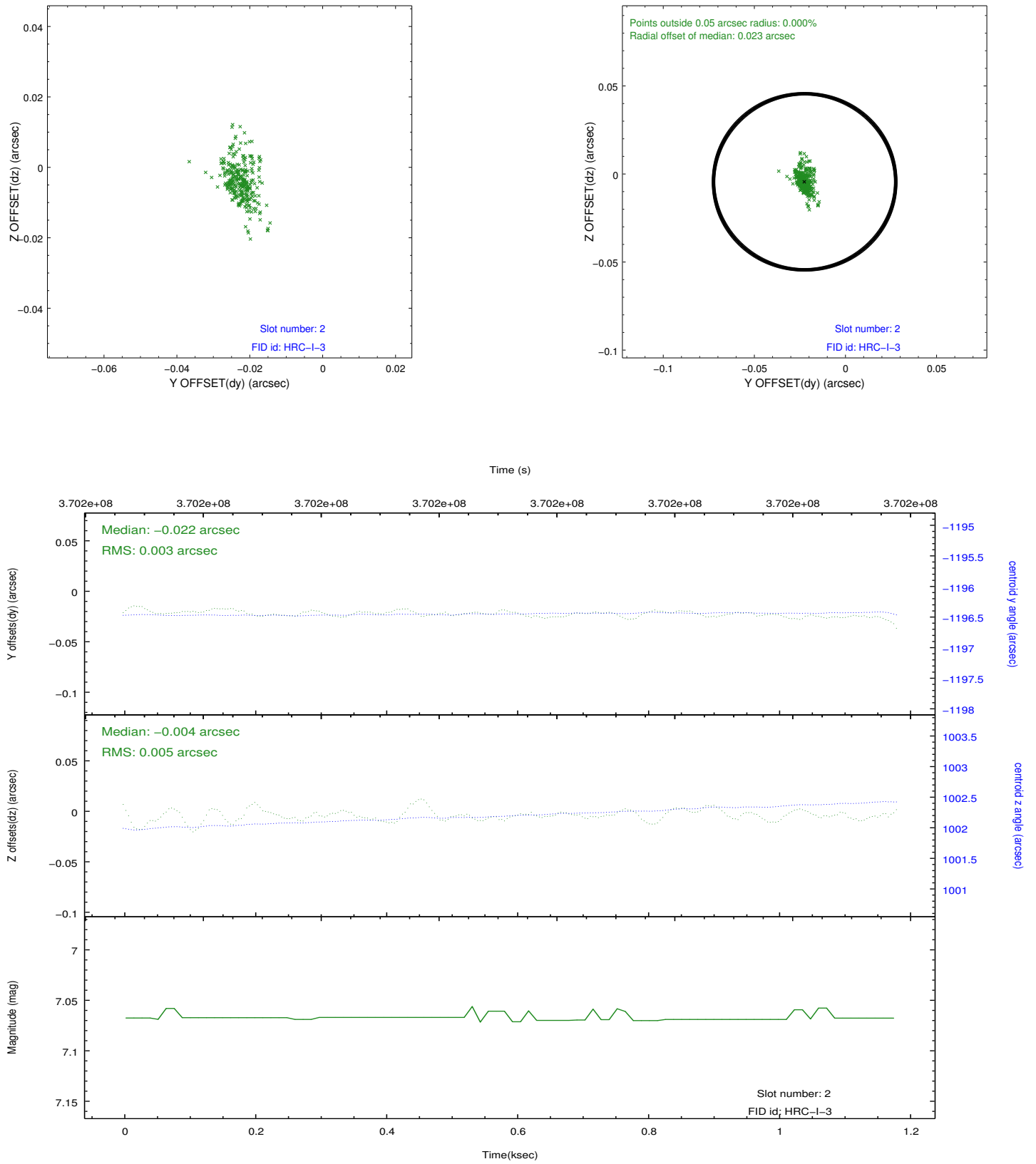
### 2.5.1 Slot 0



## 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)	2012.08.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1820813093781

### A.2 Comments