

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 8305 - L2 Version 4  
Chandra X-Ray Center

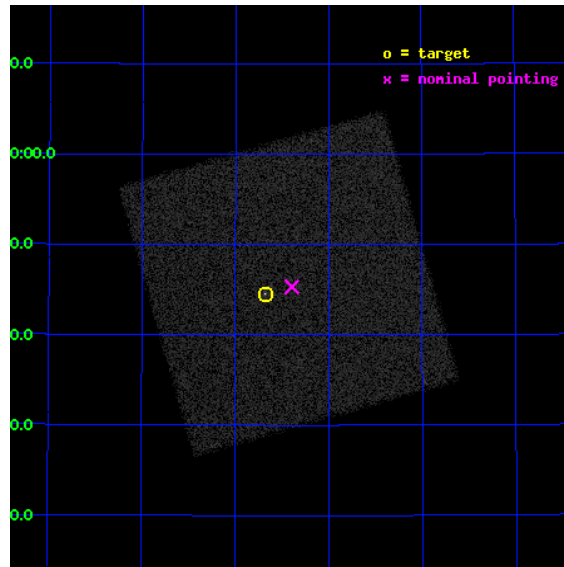
L2 Processing Date : Aug 11 2012

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# 1 Front

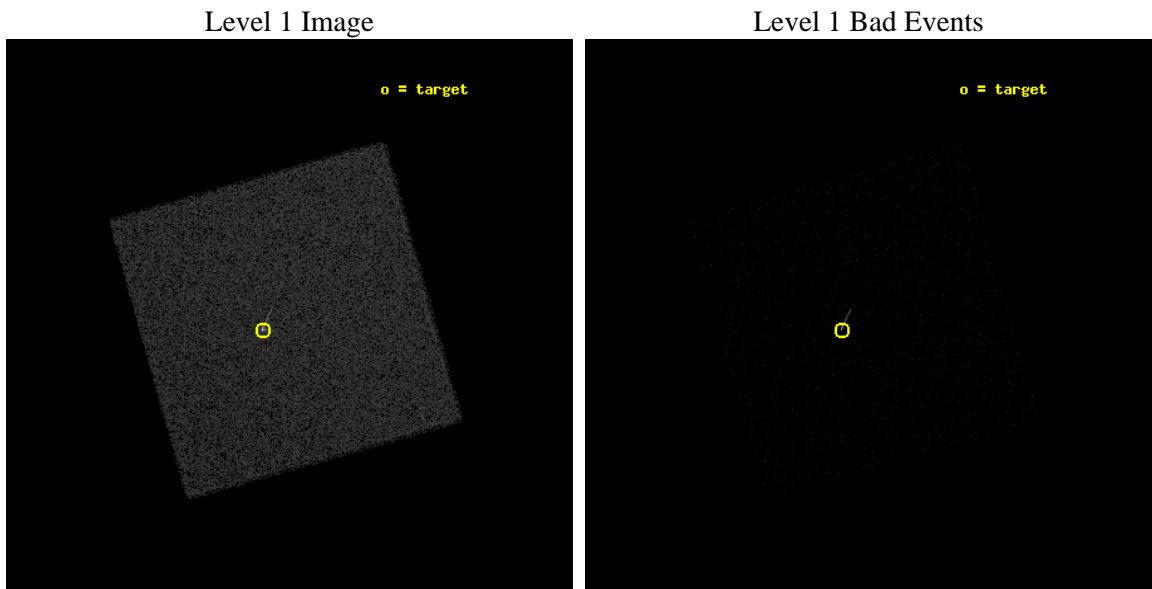
seq_num	290684	Sequence number
obs_id	8305	Observation id
title	AO8 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.09864104875	Nominal RA [deg]
dec_nom	45.755489743327	Nominal Dec [deg]
roll_nom	209.16850992027	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1184.1313070059	[s]
livetime	1171.6977682825	Ontime multiplied by DTCOR
l2events	74102	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	1184.1313070059	[s]
caldbver	4.5.1.1	&#160	l1events	137359	Number of level 1 events
date	2012-08-12T01:40:52	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

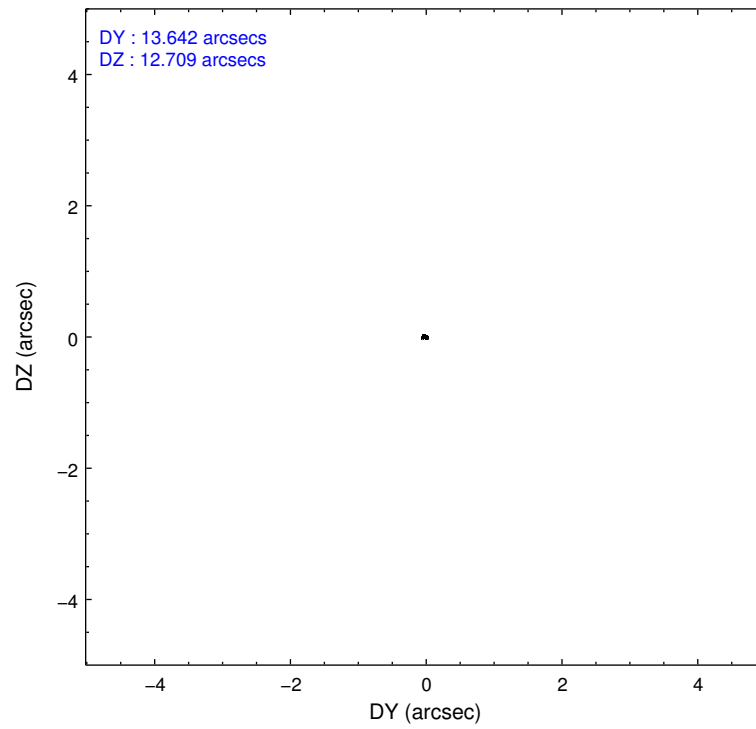
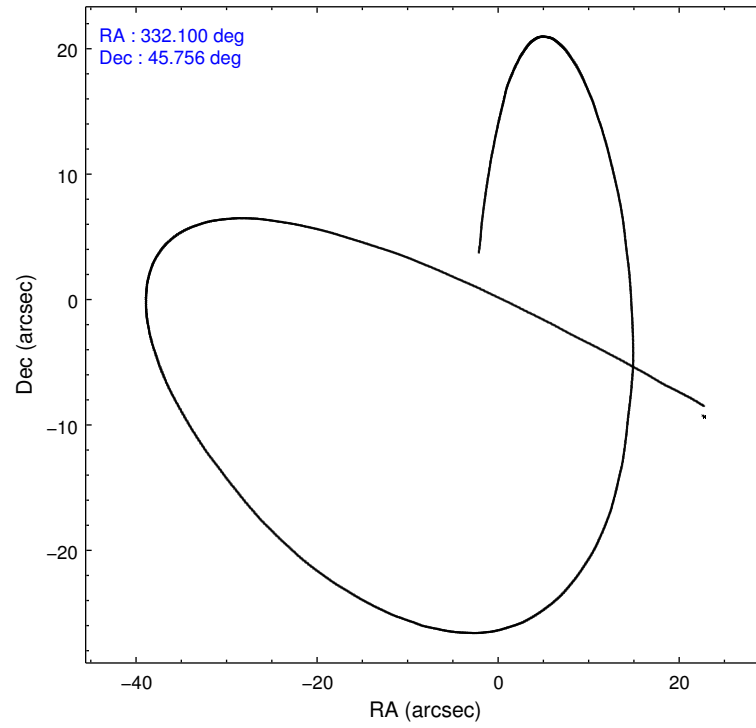
	<b>segment 0</b>
level 1 events	137359
rejected events	29681
rejected %	21%

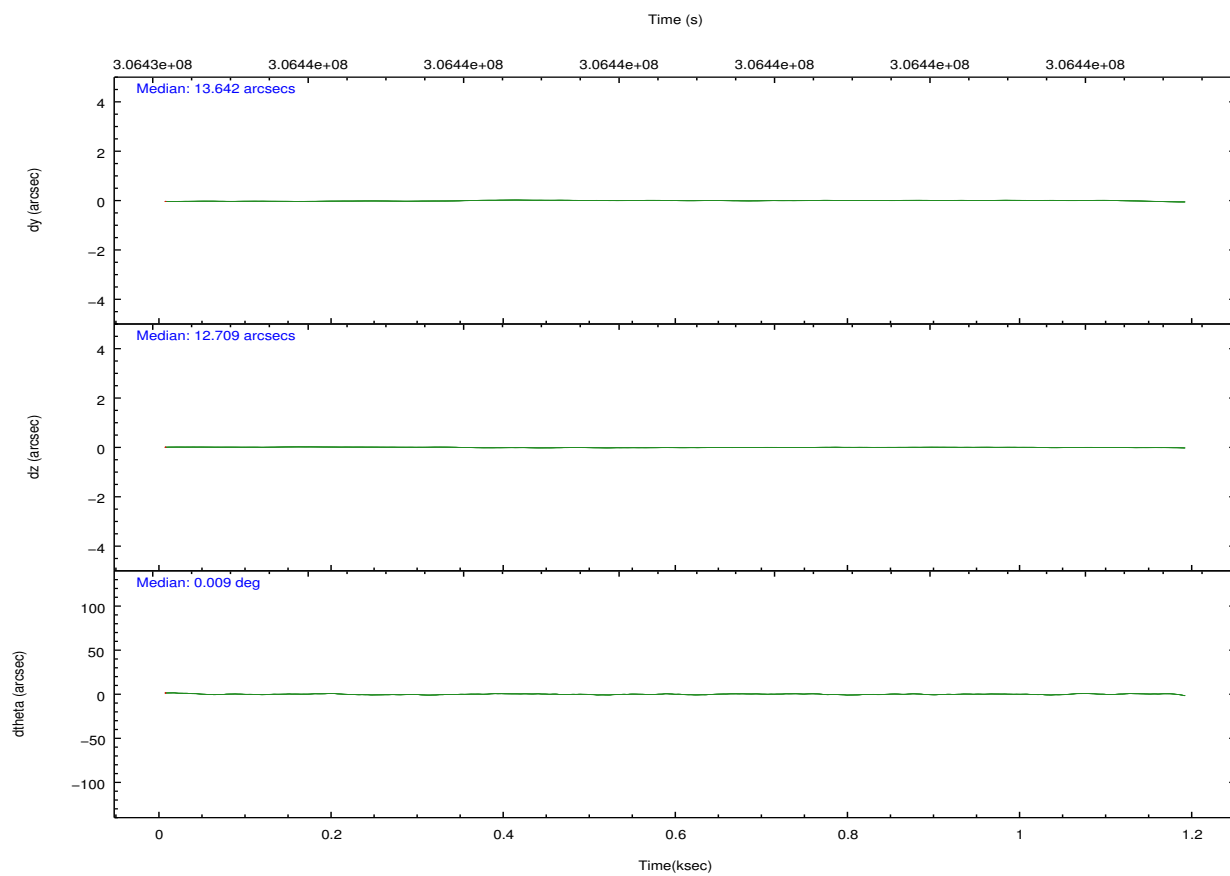
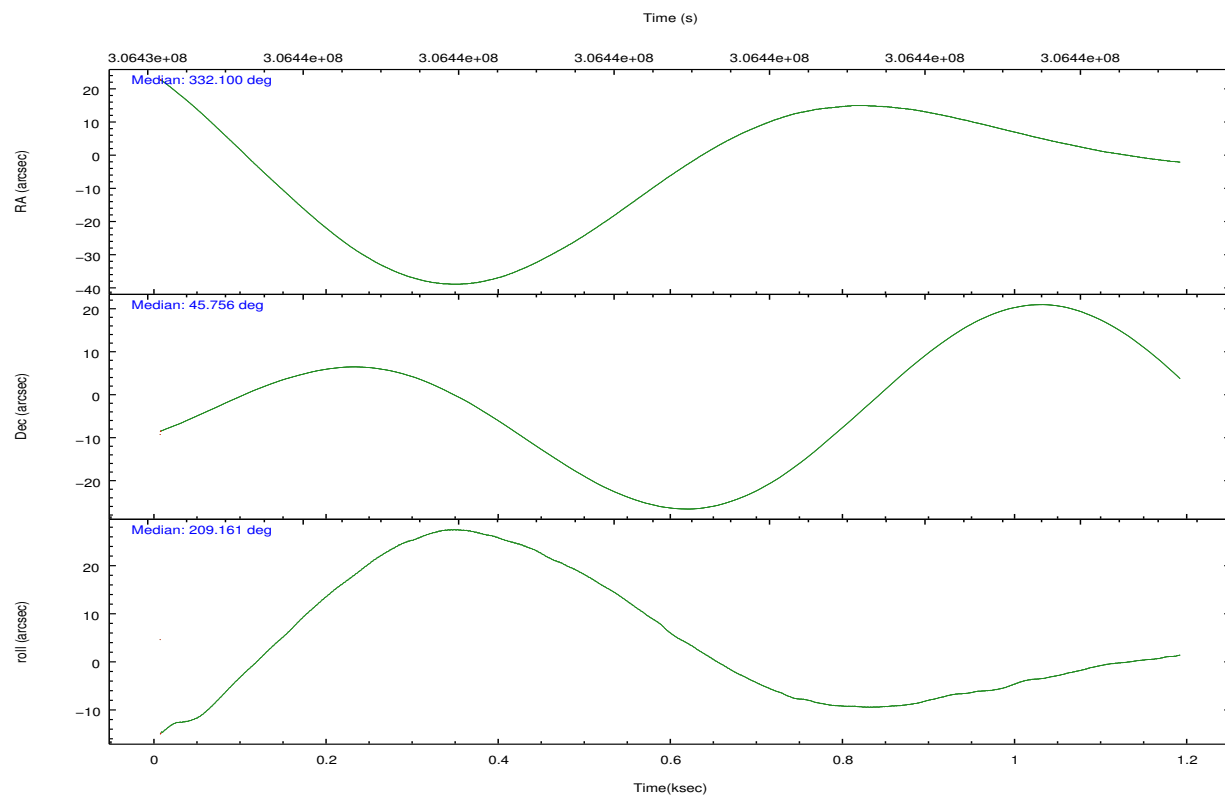
## 2.2 Compared Parameters

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	332.118198	332.098641048755
[deg] Pointing Dec	45.778232	45.75548974332746
[deg] Pointing Roll	209.249981	209.1685099202668
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	126.985494	126.9854943052878
[mm] SIM translation stage offset	0	-5.413686238853188e-06
[s] Observation start time (MET)	306435072.184000	306434696.21369
Observation start date	2007-09-17T16:50:07	2007-09-17T16:44:56
[s] Observation end time (MET)	306436072.184000	306436206.03876
Observation end date	2007-09-17T17:06:47	2007-09-17T17:10:06

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

## 2.3 Aspect





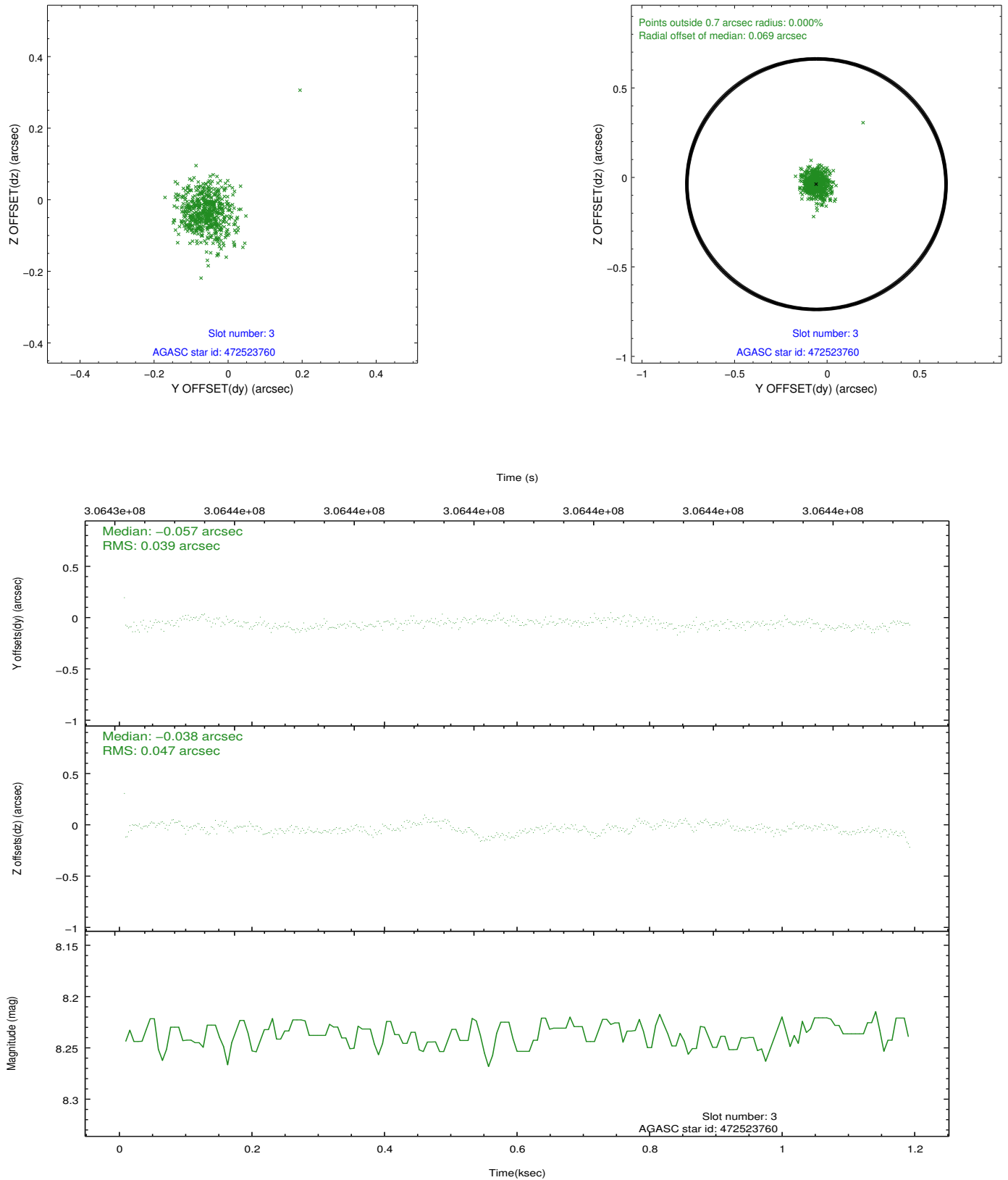
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.99	290	-0.060	0.032	0.007	0.013	0.000000	0.000000	-769.46	-1300.74
1	FID	HRC-I-2	7.01	290	0.242	-0.160	0.006	0.010	0.000000	0.000000	840.82	-1306.99
2	FID	HRC-I-3	7.07	289	-0.063	0.039	0.006	0.011	0.000000	0.000000	-1195.04	999.31
3	GUIDE	472523760	8.24	579	-0.057	-0.038	0.062	0.104	331.645363	45.403260	1701.86	594.58
4	GUIDE	472655152	9.42	578	0.027	-0.216	0.125	0.213	332.504239	45.862991	-990.42	209.10
5	GUIDE	472665256	9.01	579	0.110	0.063	0.085	0.139	332.808125	46.195041	-2237.15	-471.74
6	GUIDE	472535576	7.86	577	-0.160	0.173	0.069	0.113	331.438373	46.291802	566.06	-2442.63
7	GUIDE	472533912	9.15	577	0.091	0.026	0.121	0.206	331.791136	46.368695	-328.05	-2253.64

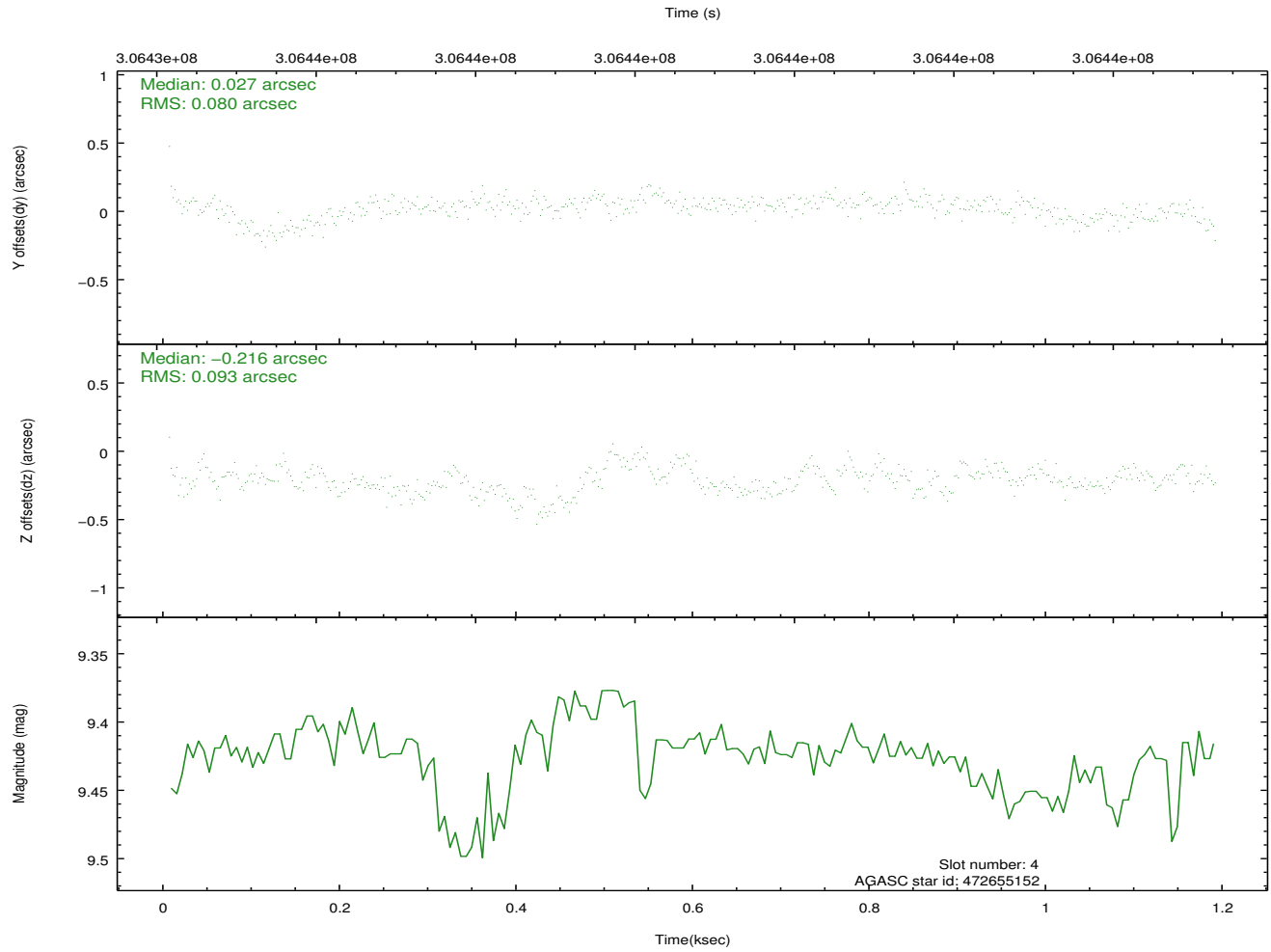
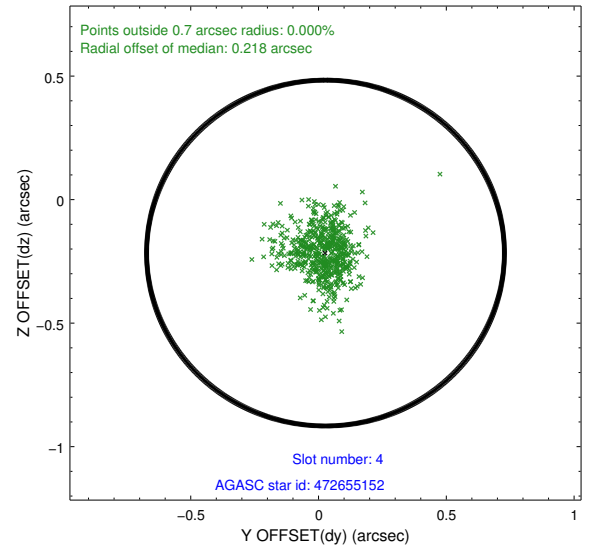
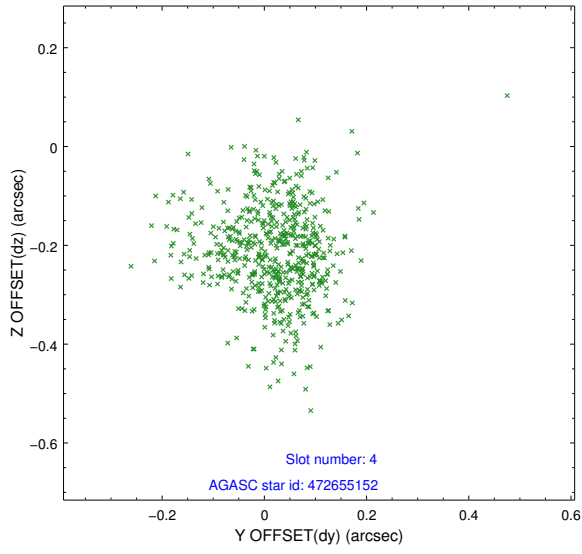


## 2.4 Star Slots

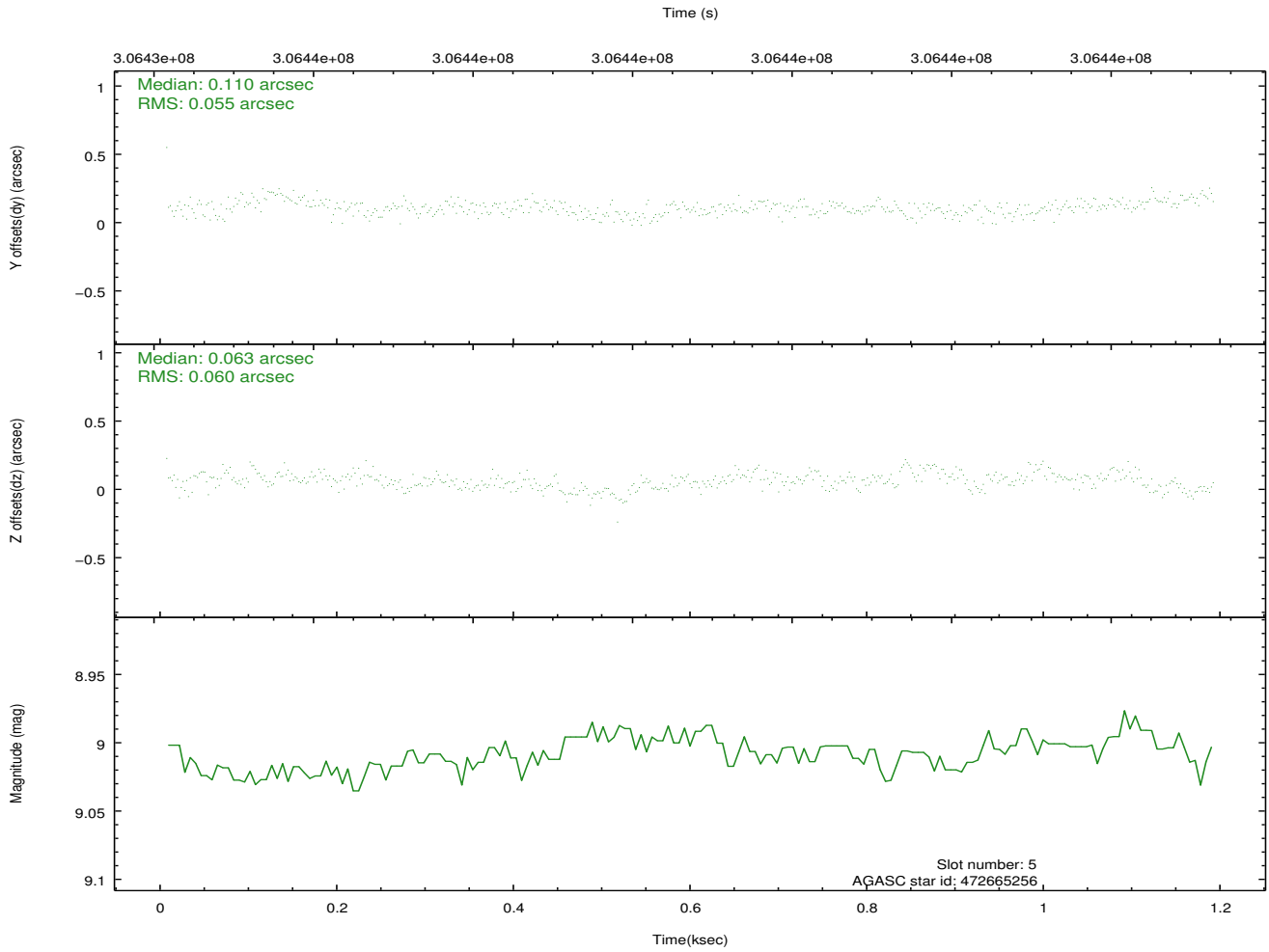
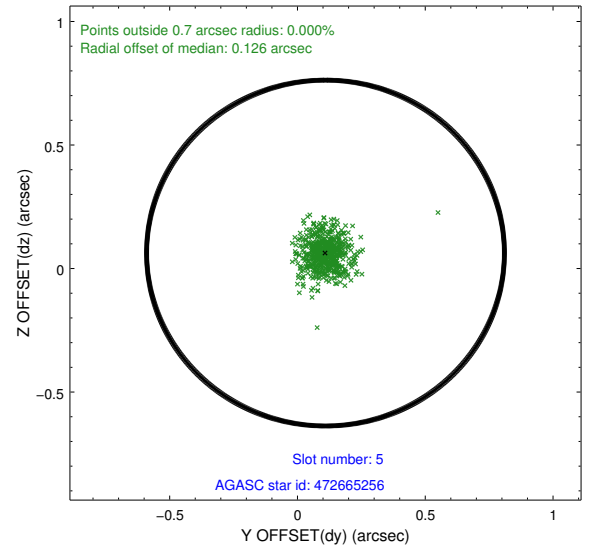
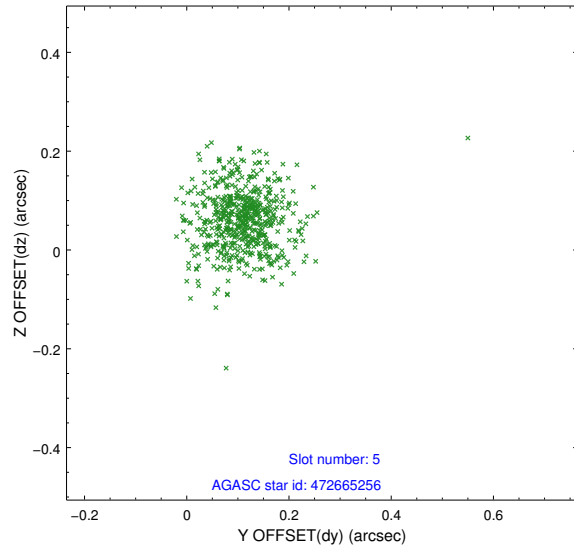
### 2.4.1 Slot 3



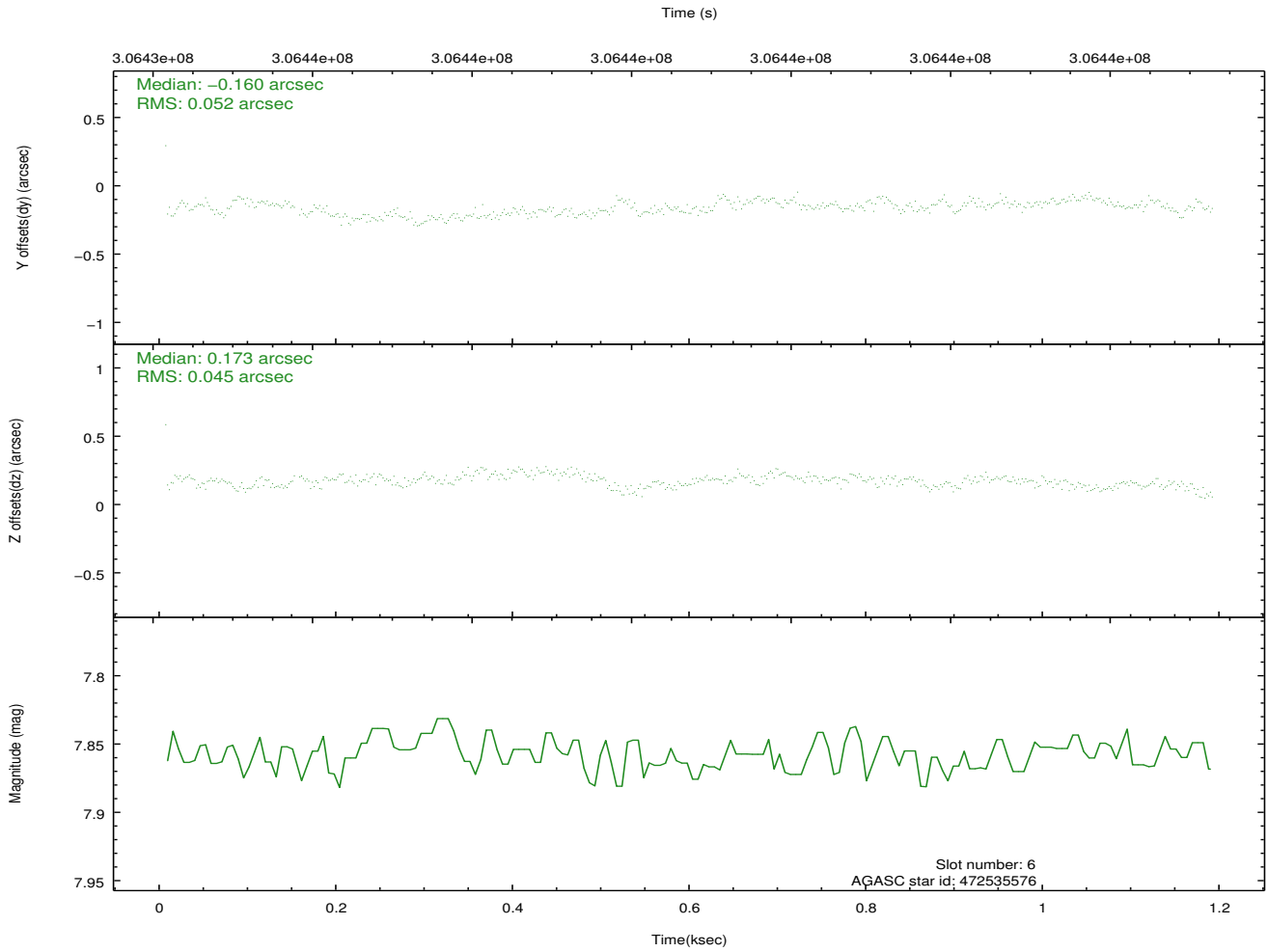
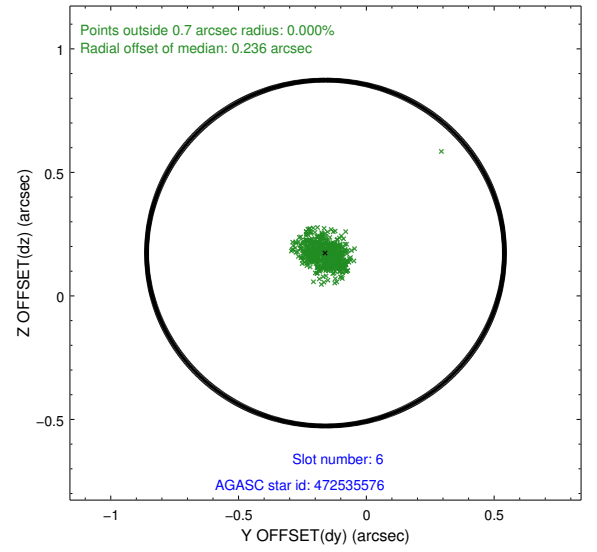
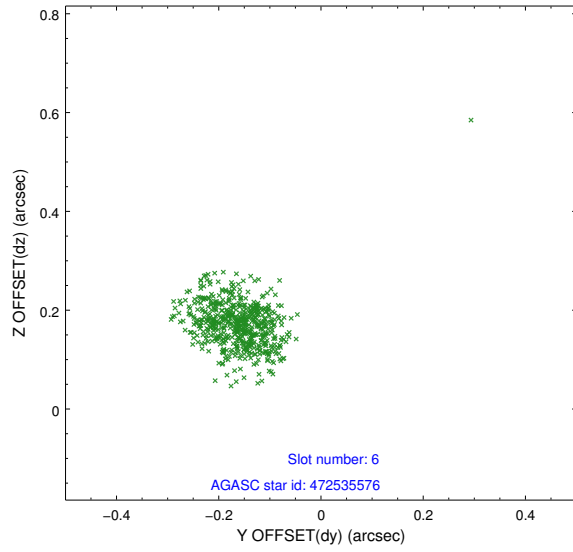
## 2.4.2 Slot 4



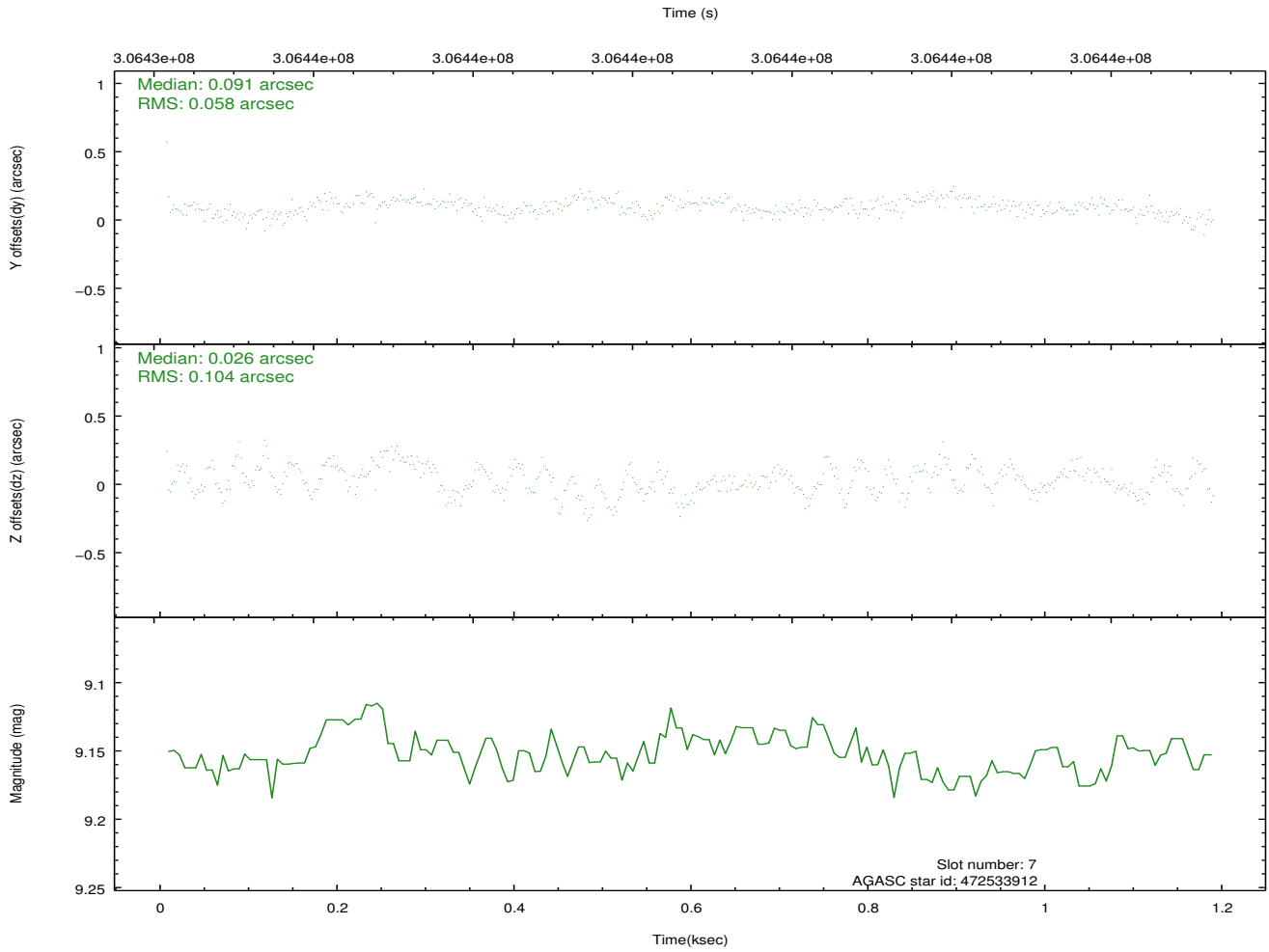
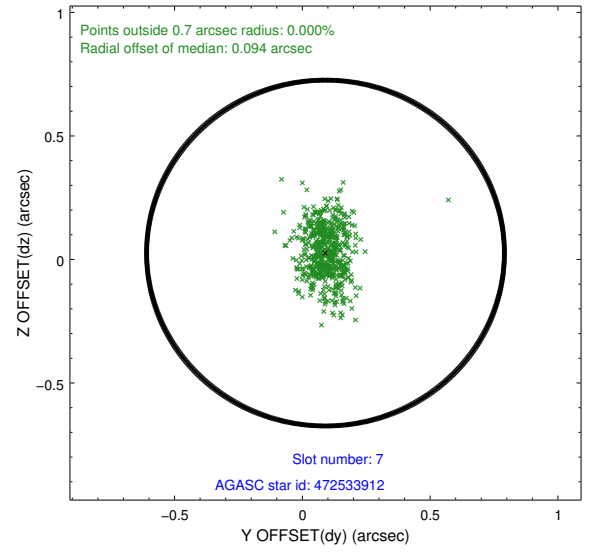
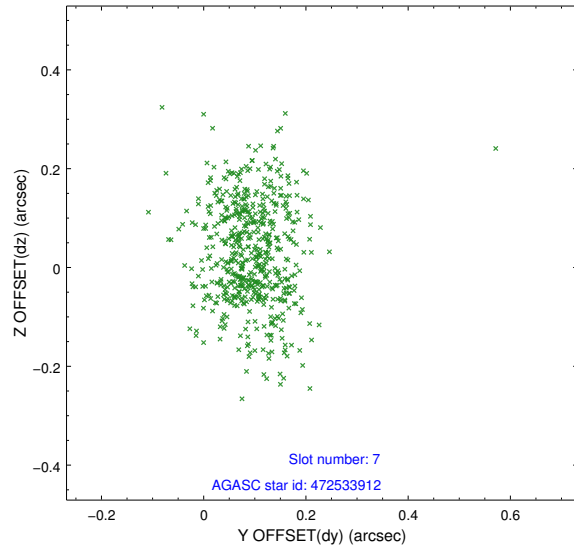
### 2.4.3 Slot 5



## 2.4.4 Slot 6

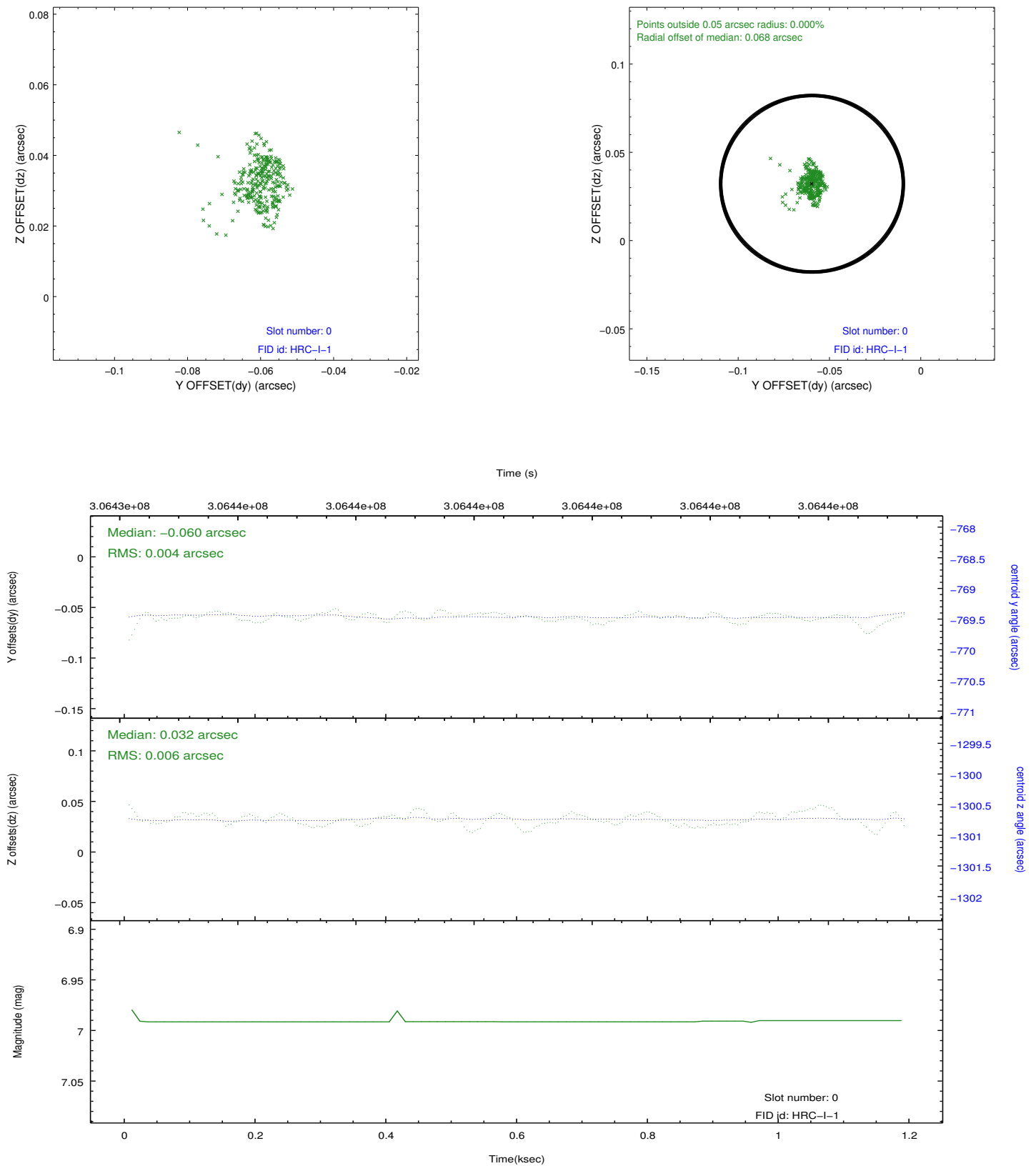


## 2.4.5 Slot 7

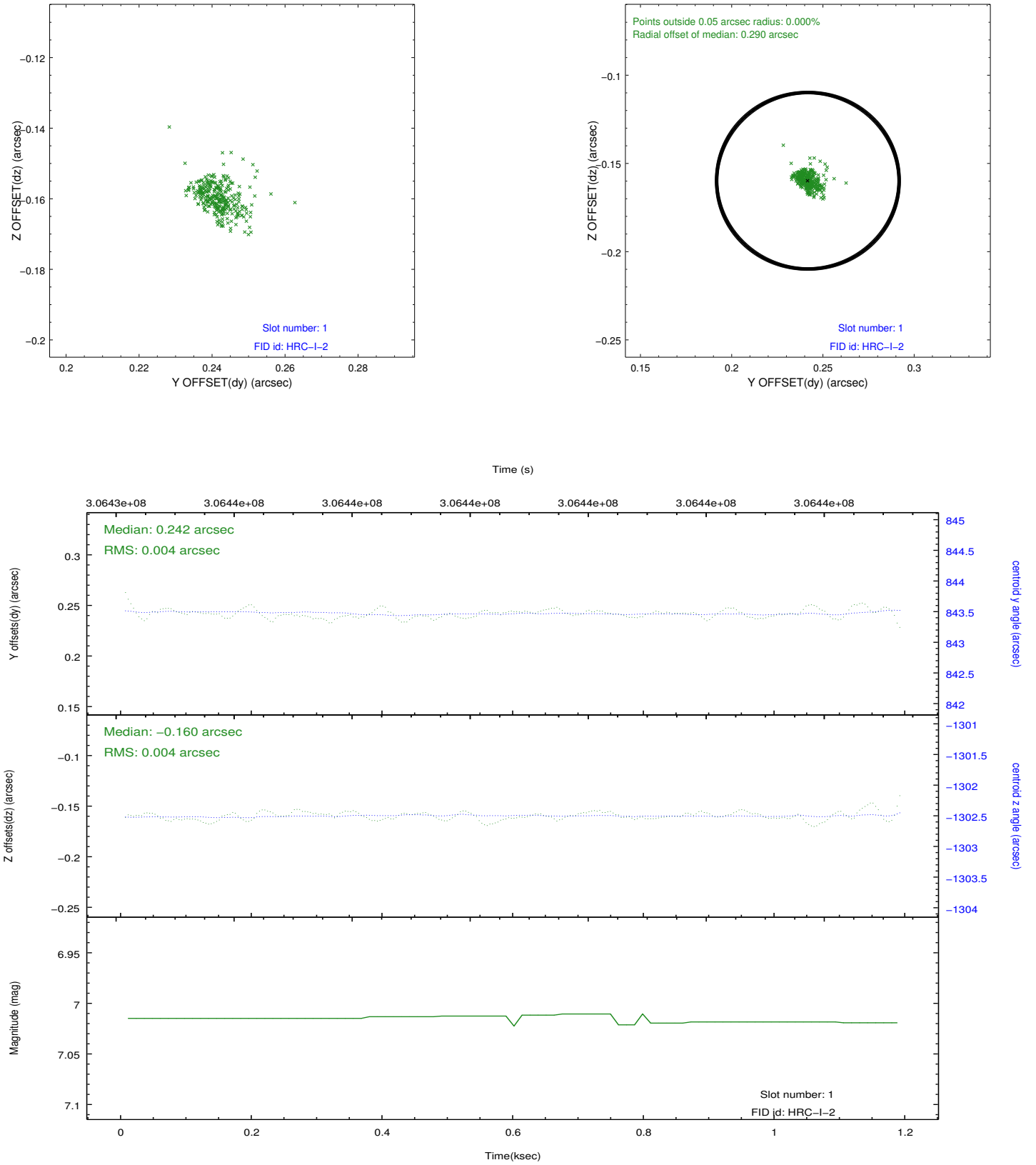


## 2.5 FID Slots

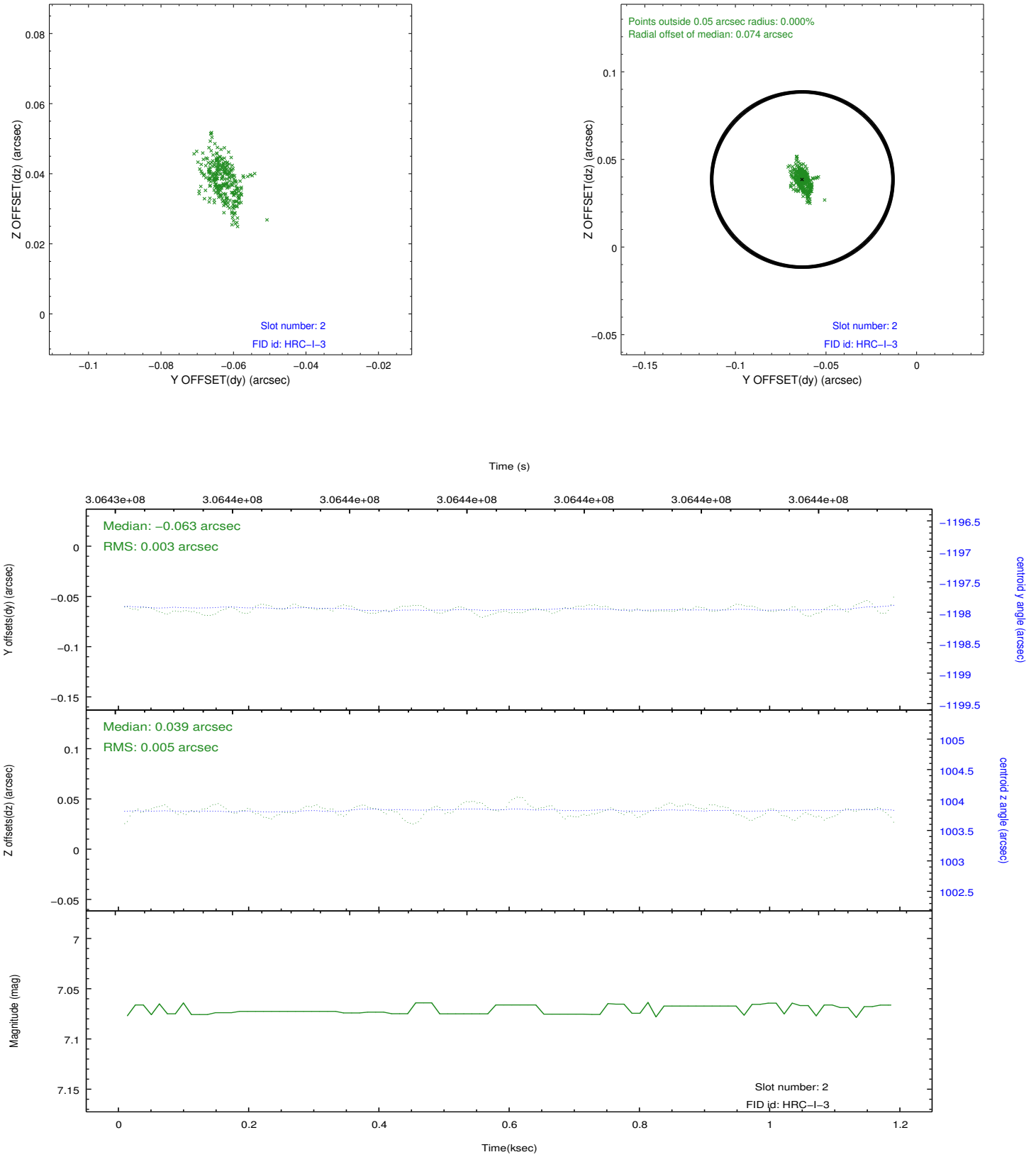
### 2.5.1 Slot 0



## 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)	2012.08.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1841313

### A.2 Comments