

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 612 - L2 Version 5  
Chandra X-Ray Center

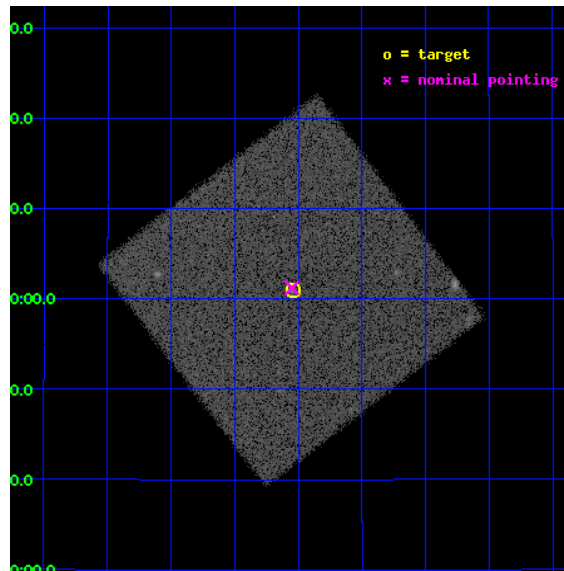
L2 Processing Date : Sep 1 2012

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# 1 Front

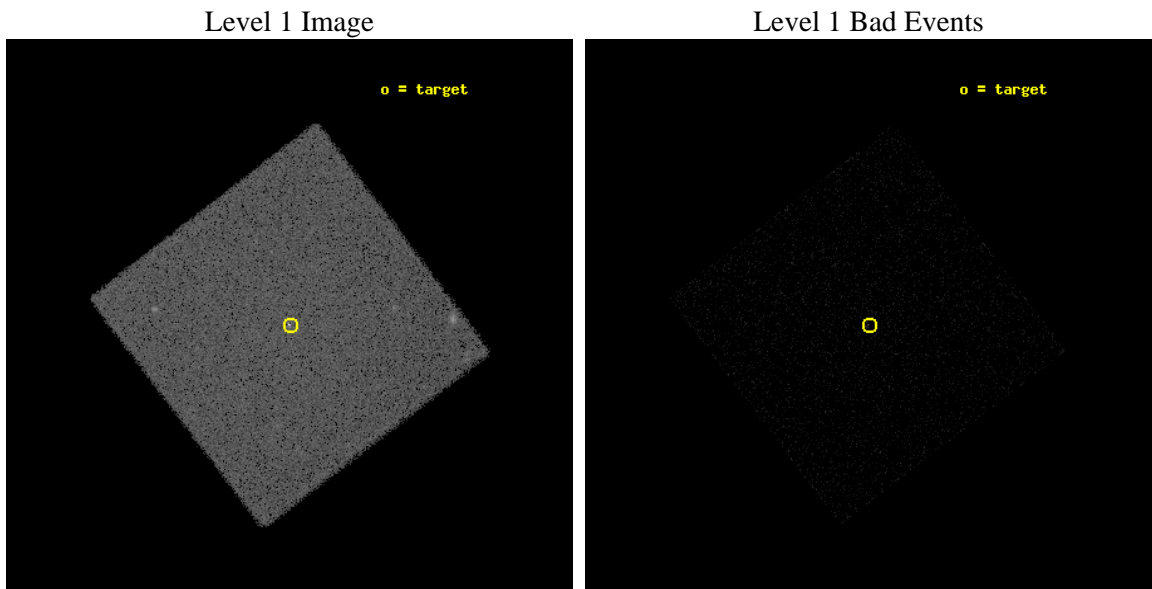
seq_num	200037	Sequence number
obs_id	612	Observation id
title	THE SOURCE OF X-RAYS IN THE HR 1442 SYSTEM	Proposal title
observer	Prof. Frederick Walter	Principal investigator
object	HR 1442	Source name
ra_targ	68.38625	Observer's specified target RA [deg]
dec_targ	18.016667	Observer's specified target Dec [deg]
ra_nom	68.387687604506	Nominal RA [deg]
dec_nom	18.020614099274	Nominal Dec [deg]
roll_nom	97.632225110683	Nominal Roll [deg]
revision	5	Processing version of data
ontime	4679.3814258128	[s]
liveltime	4658.445835888	Ontime multiplied by DTCOR
l2events	105820	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	4675.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4679.3814258128	[s]
caldbver	4.5.1.1	&#160	l1events	183829	Number of level 1 events
date	2012-09-01T15:41:51	Date and time of file creation			
revision	5	Processing version of data			

### 2.1.3 Events

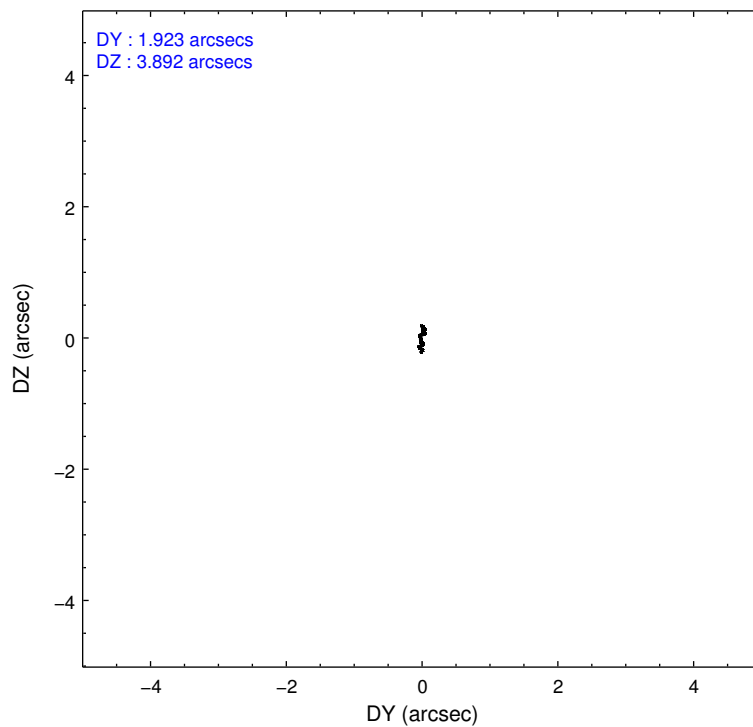
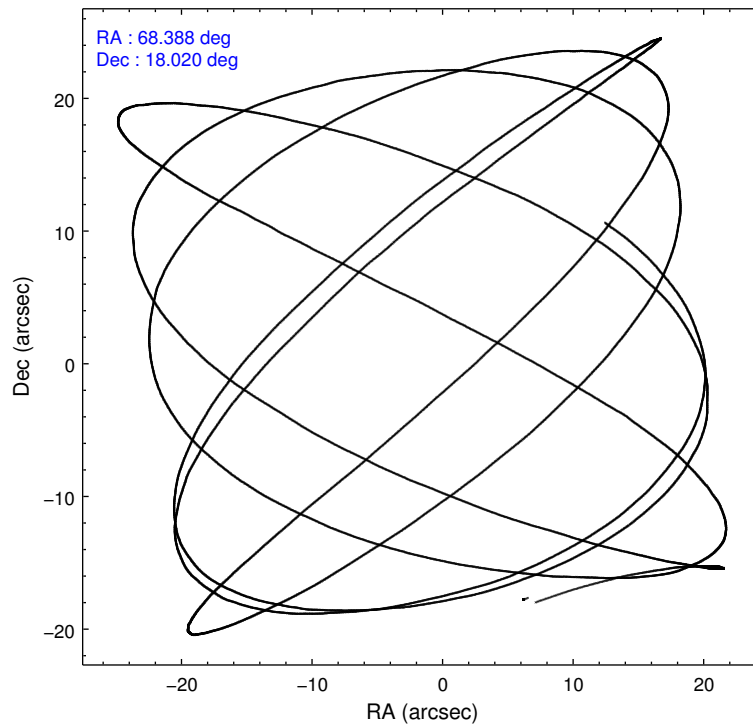
#### Level 1 Events

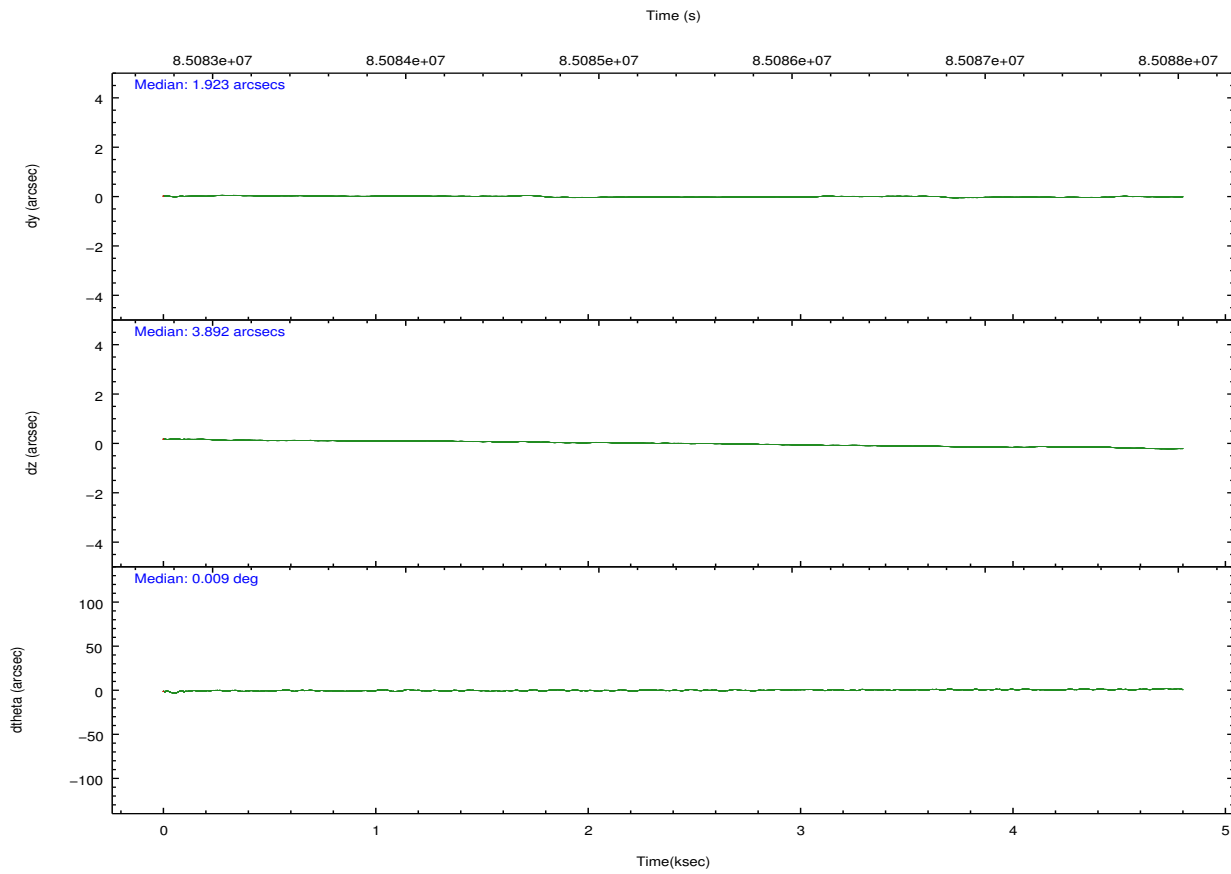
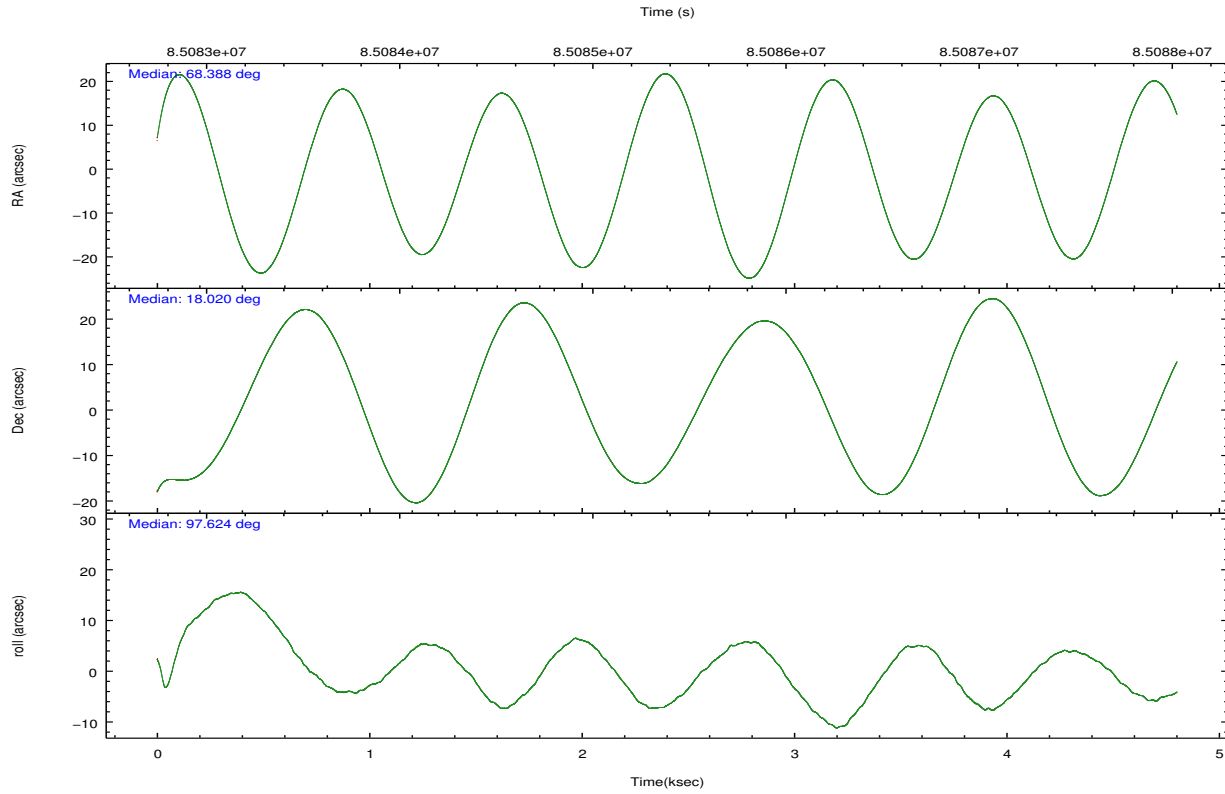
	<b>segment 0</b>
level 1 events	183829
rejected events	25828
rejected %	14%

## 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	68.405307	68.38768760450616			
[deg] Pointing Dec	17.999617	18.02061409927439			
[deg] Pointing Roll	97.722290	97.63222511068344			
[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)	85083110.184000	85082013.91146301			
Observation start date	2000-09-11T18:10:46	2000-09-11T17:53:33			
[s] Observation end time (MET)	85087785.184000	85088517.024207			
Observation end date	2000-09-11T19:28:41	2000-09-11T19:41:57			

## 2.3 Aspect



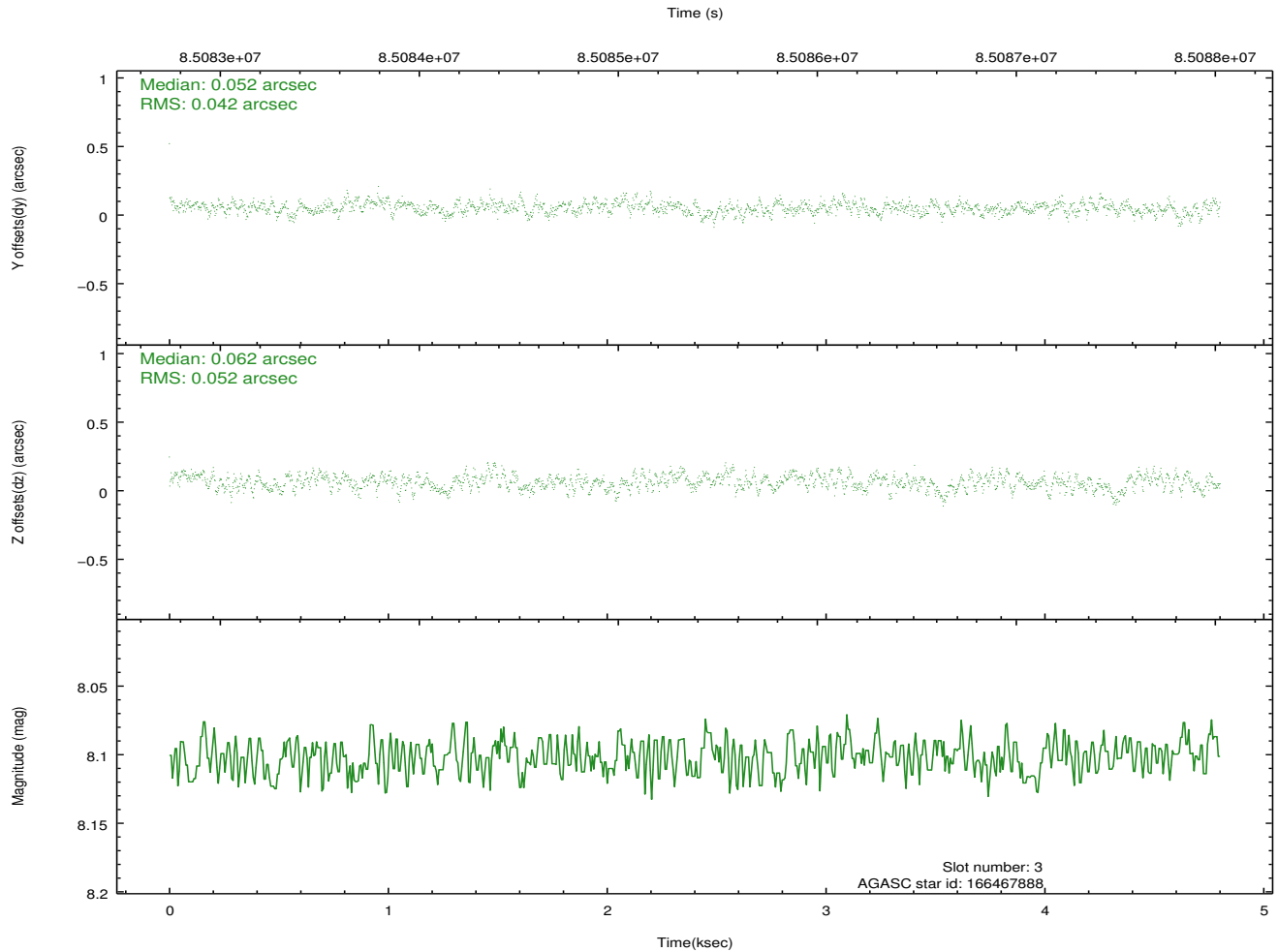
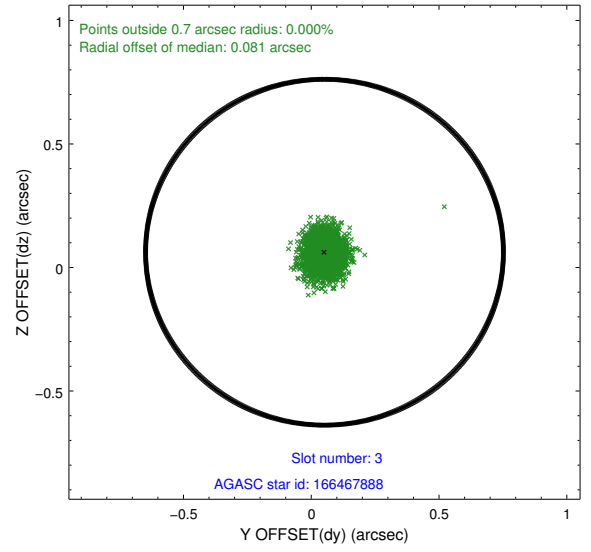
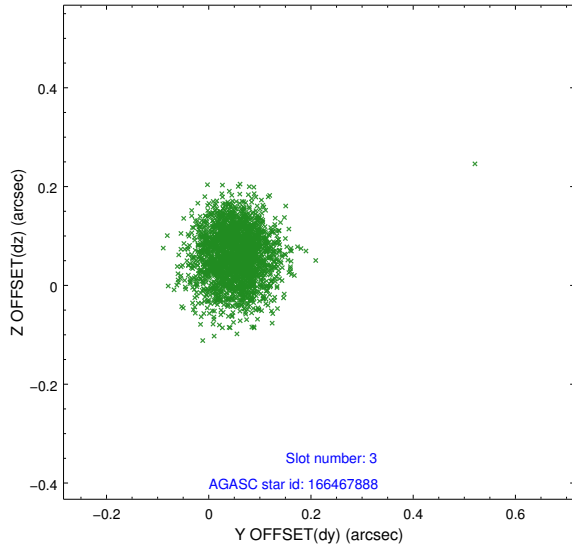


### Slot Statistics

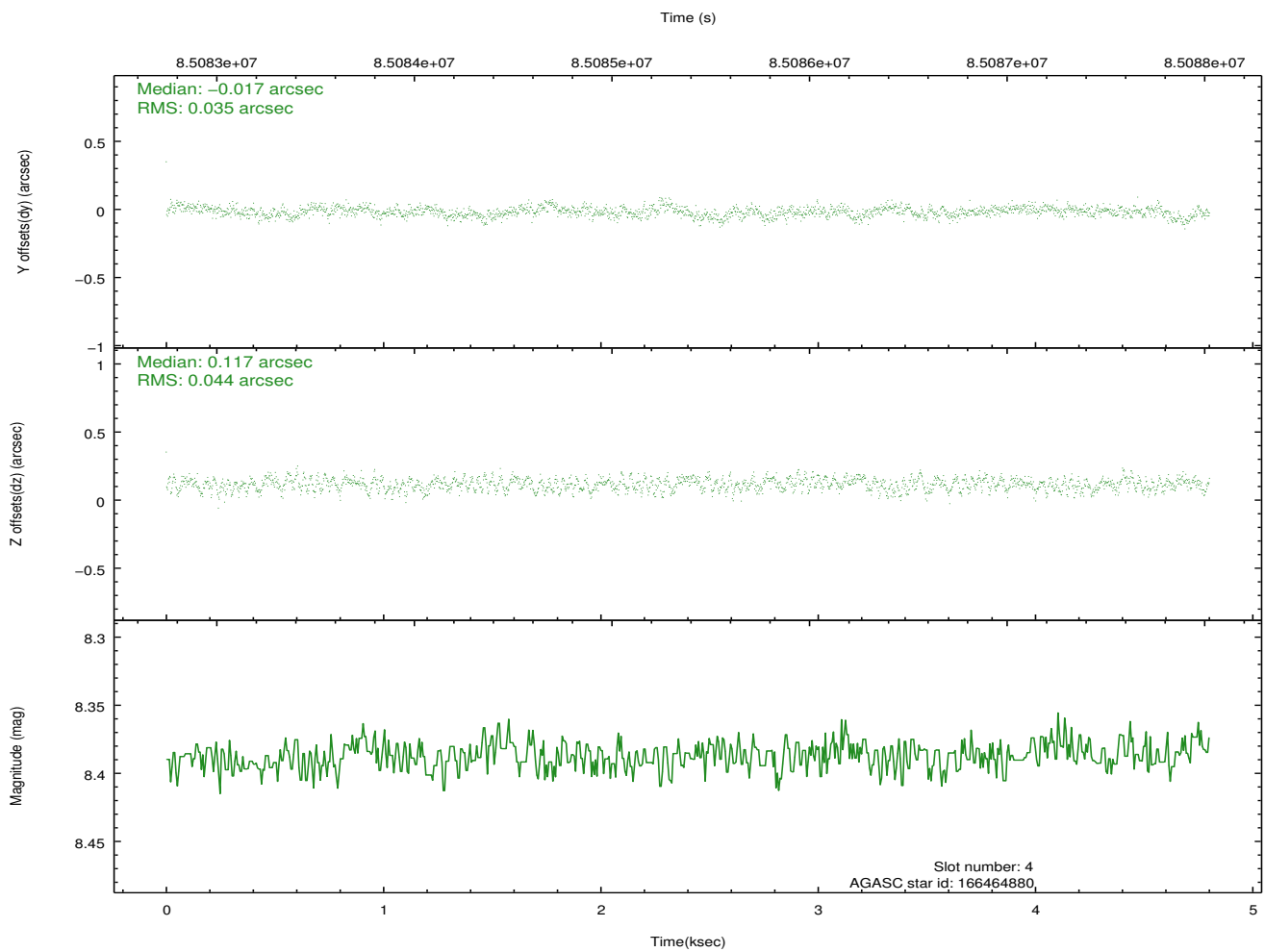
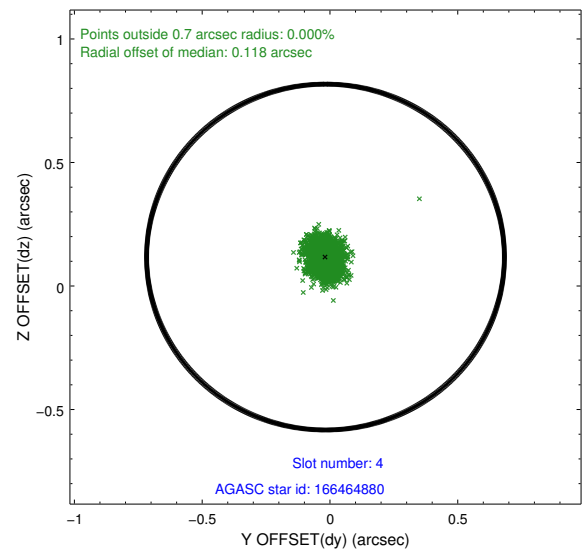
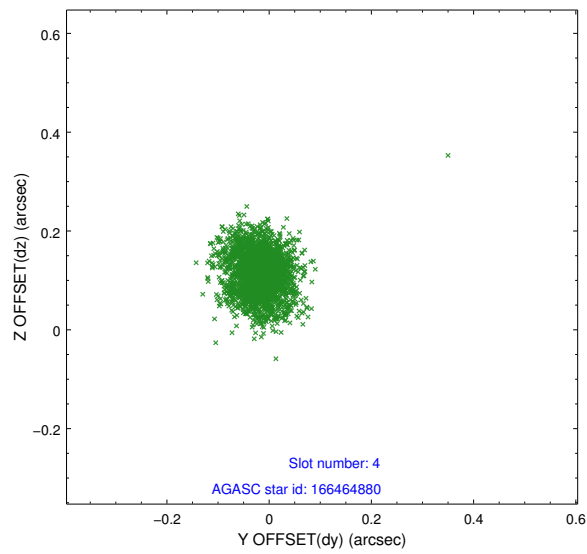
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-2	7.00	1172	0.044	-0.031	0.007	0.011	0.000000	0.000000	855.29	-1293.25
1	FID	HRC-I-3	7.05	1172	0.048	-0.025	0.007	0.011	0.000000	0.000000	-1185.06	1011.82
2	FID	HRC-I-4	7.00	1172	0.027	-0.031	0.007	0.012	0.000000	0.000000	1284.46	1011.35
3	GUIDE	166467888	8.10	2343	0.052	0.062	0.070	0.112	68.675864	17.748180	-1019.07	-796.38
4	GUIDE	166464880	8.39	2343	-0.017	0.117	0.060	0.097	68.836504	17.817954	-843.46	-1375.70
5	GUIDE	166465472	8.36	2343	-0.114	0.141	0.064	0.110	68.719684	18.413404	1334.21	-1263.19
6	GUIDE	166468240	9.06	2343	0.037	-0.068	0.076	0.129	68.167699	17.861525	-380.50	874.31
7	GUIDE	166338584	9.37	2342	0.041	-0.247	0.095	0.147	67.904616	17.709782	-799.62	1842.79

## 2.4 Star Slots

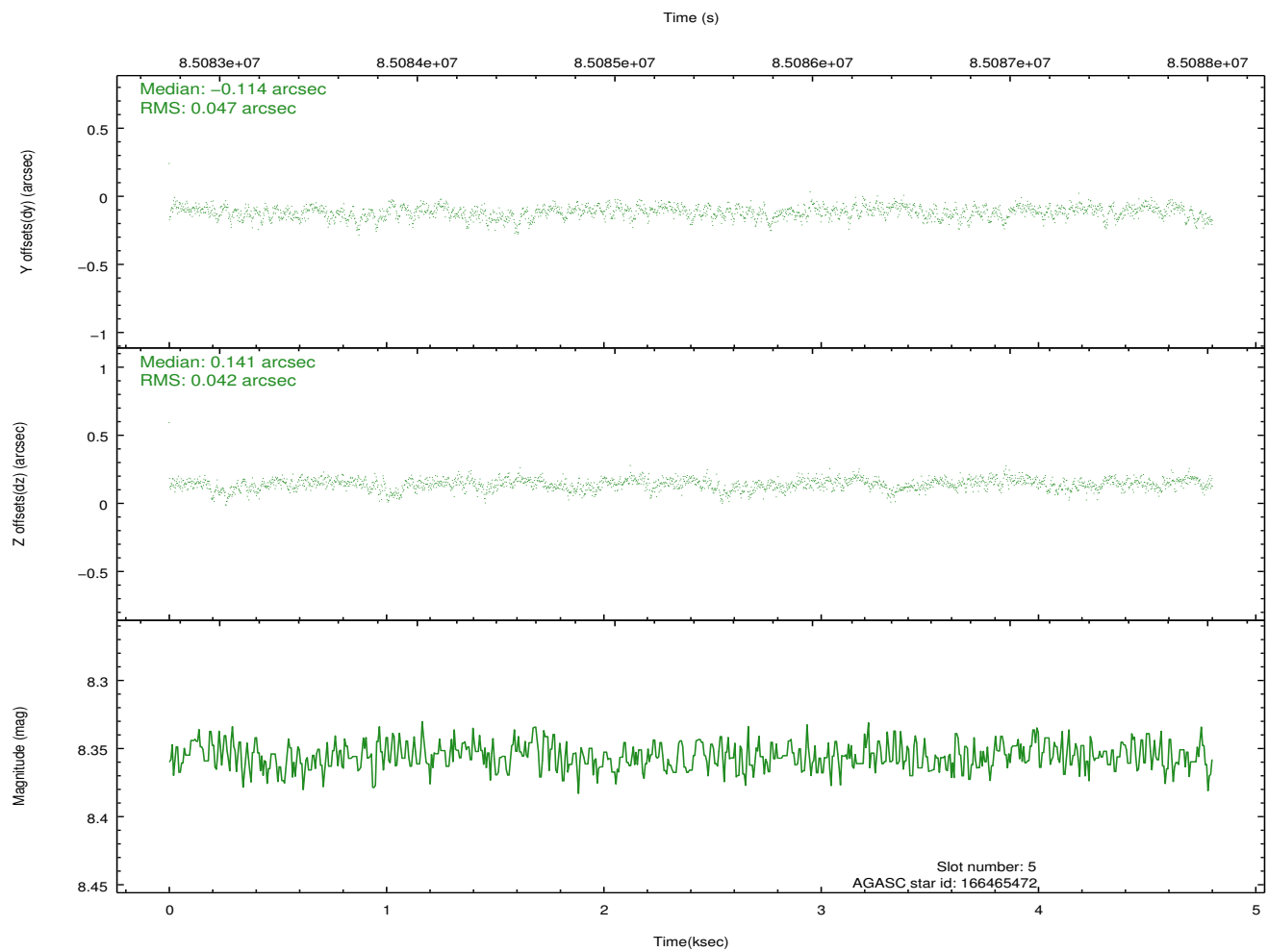
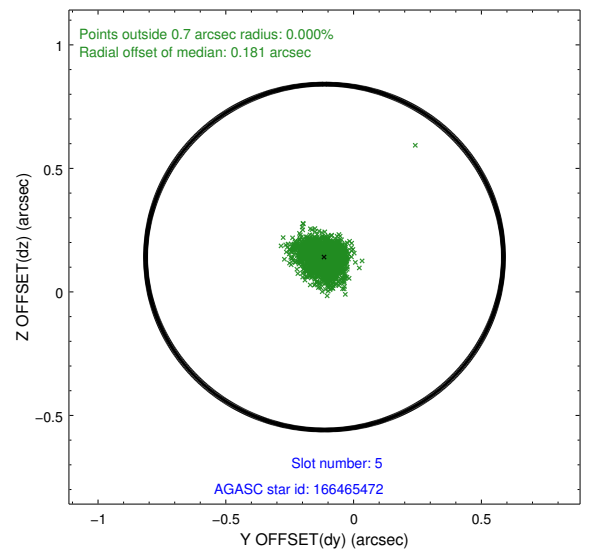
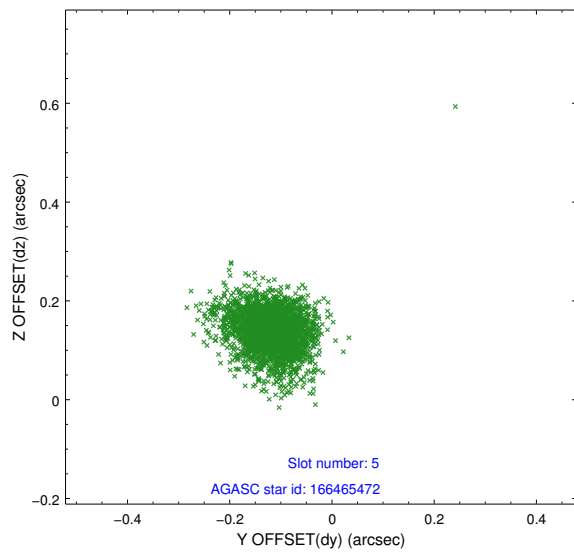
### 2.4.1 Slot 3



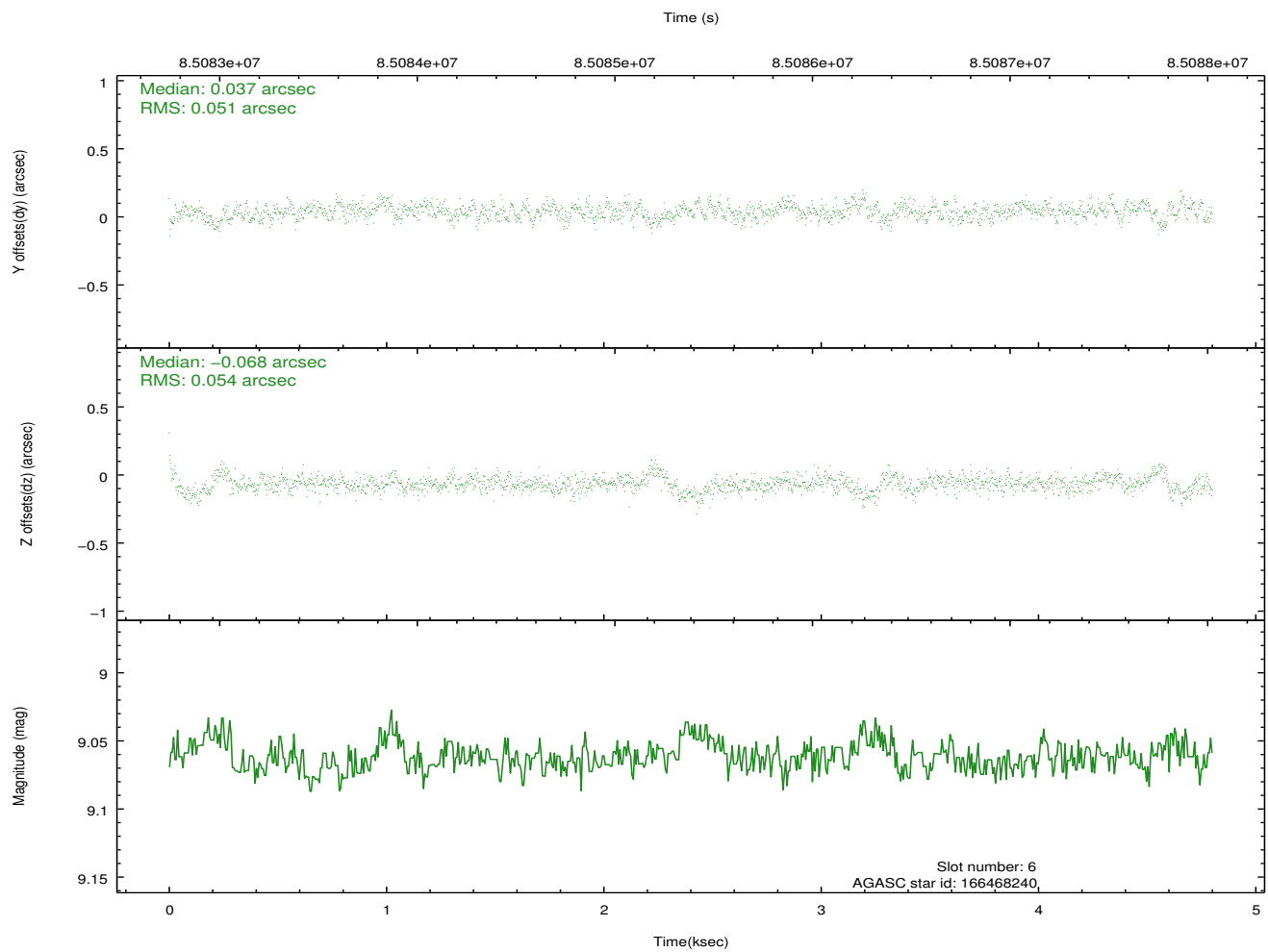
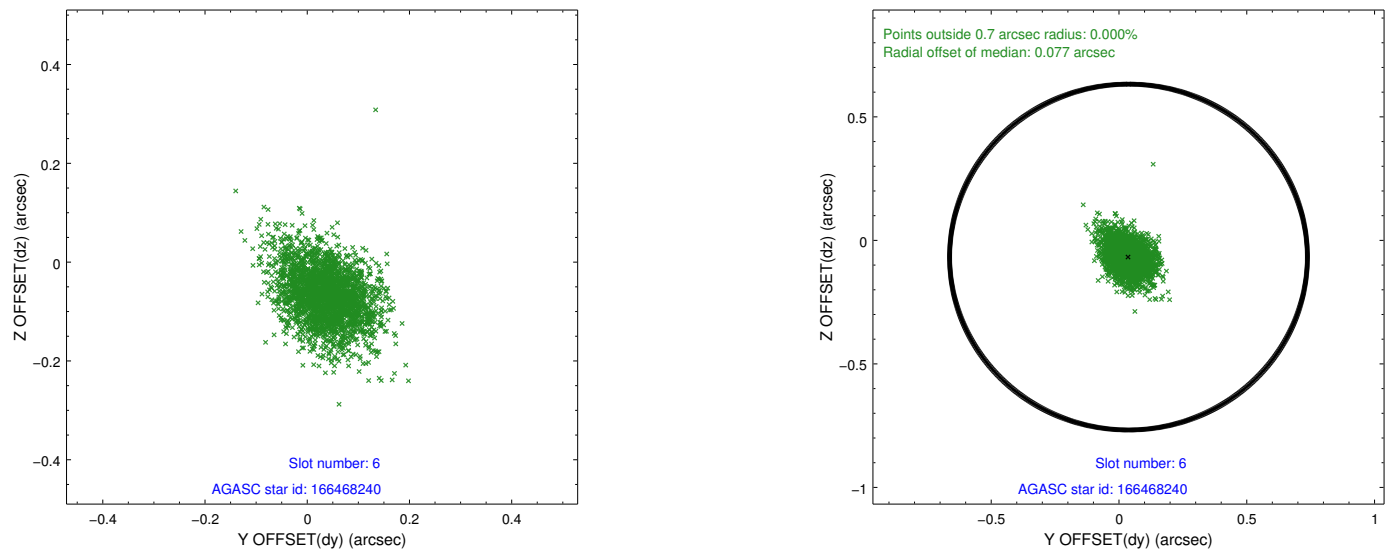
## 2.4.2 Slot 4



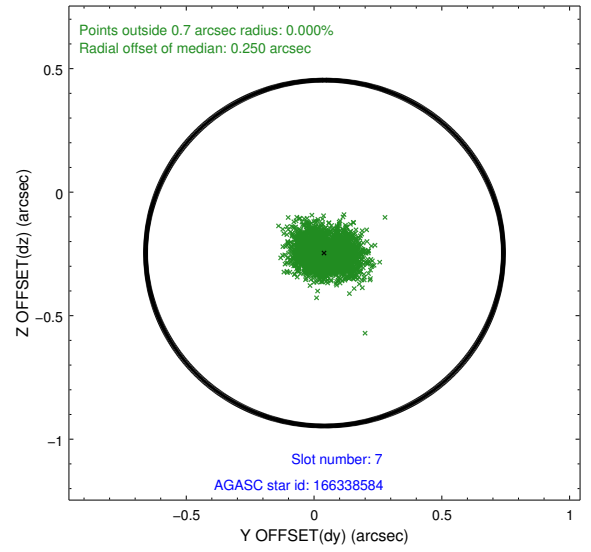
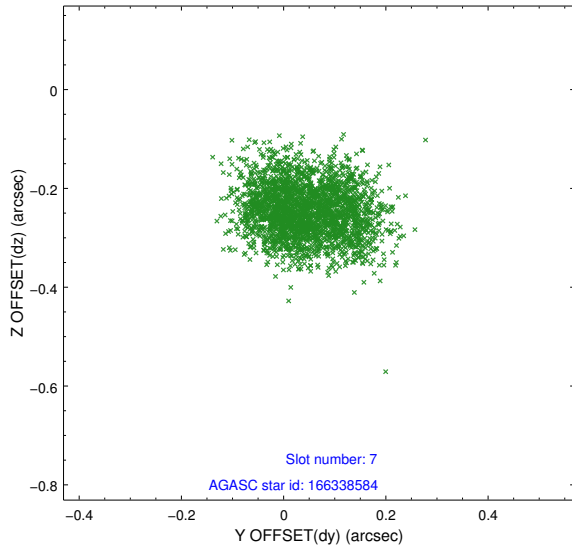
### 2.4.3 Slot 5



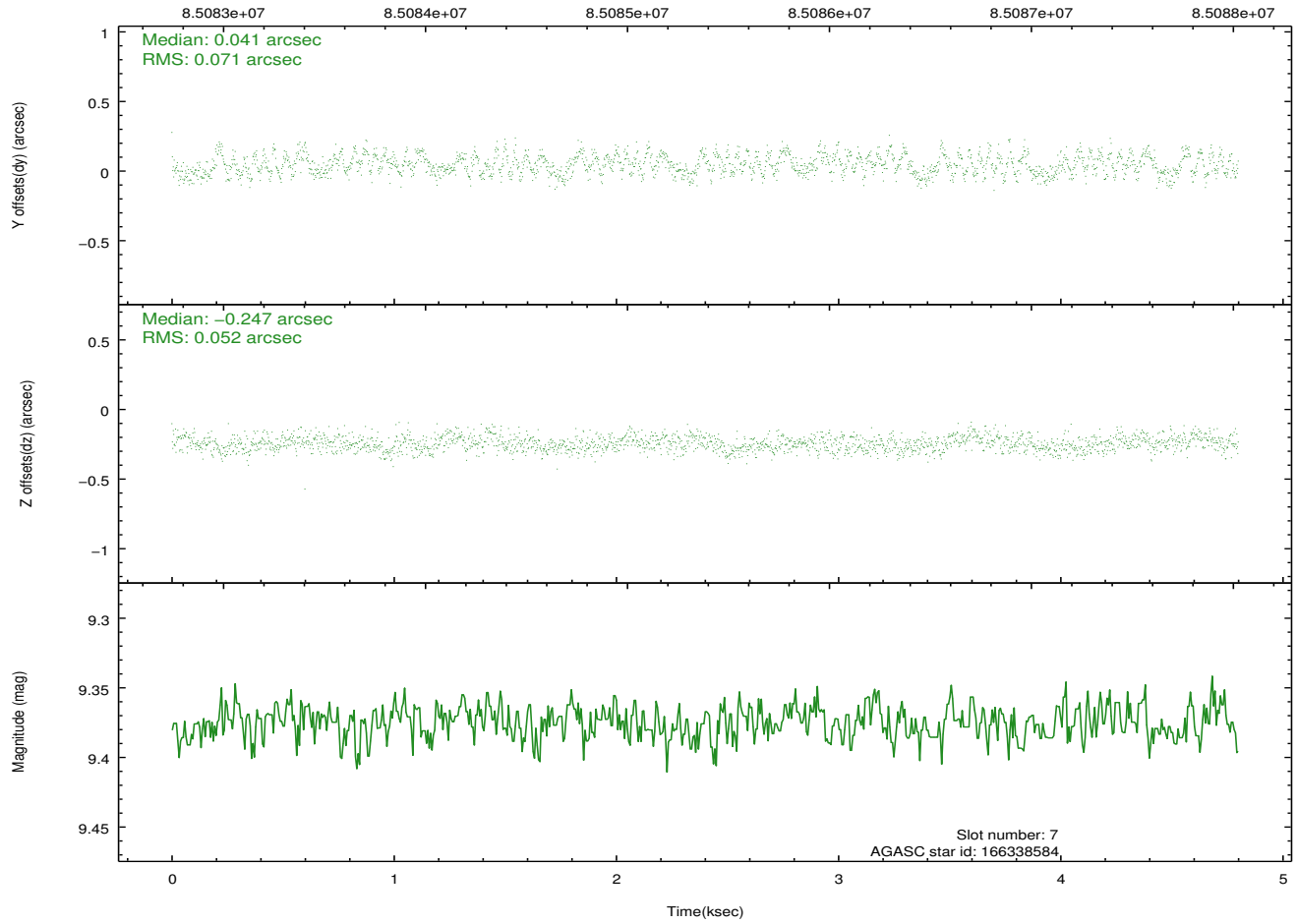
## 2.4.4 Slot 6



### 2.4.5 Slot 7

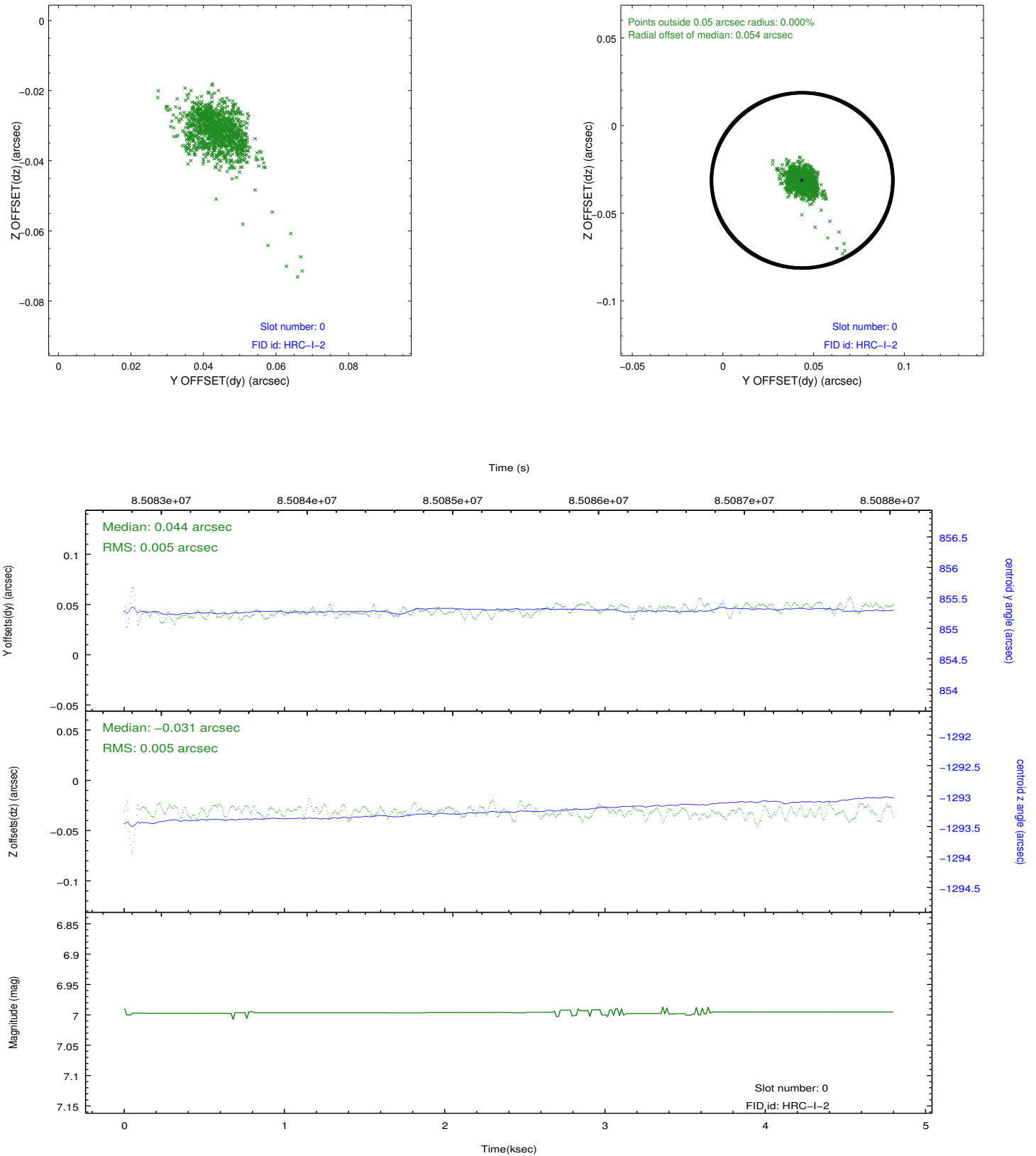


Time (s)

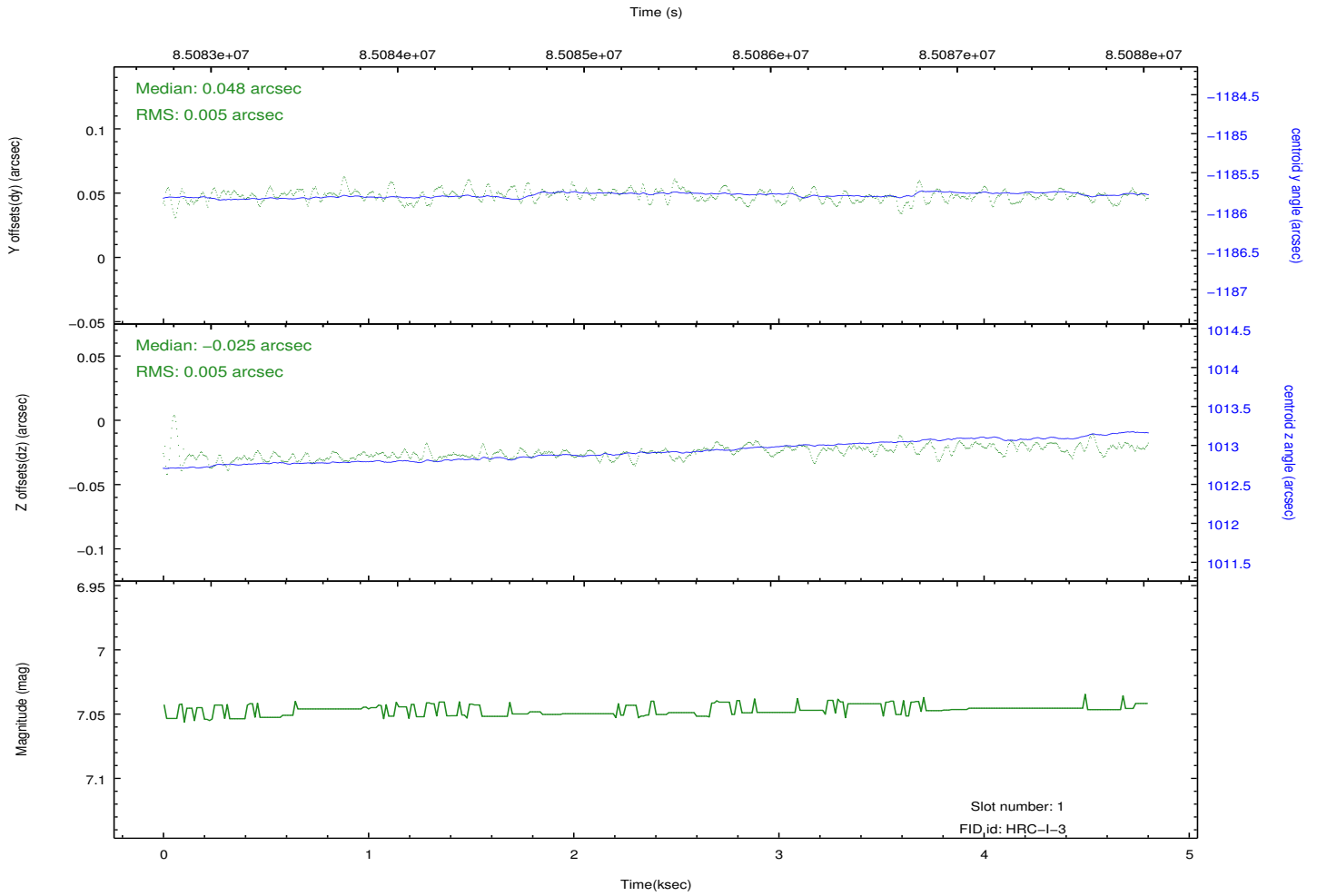
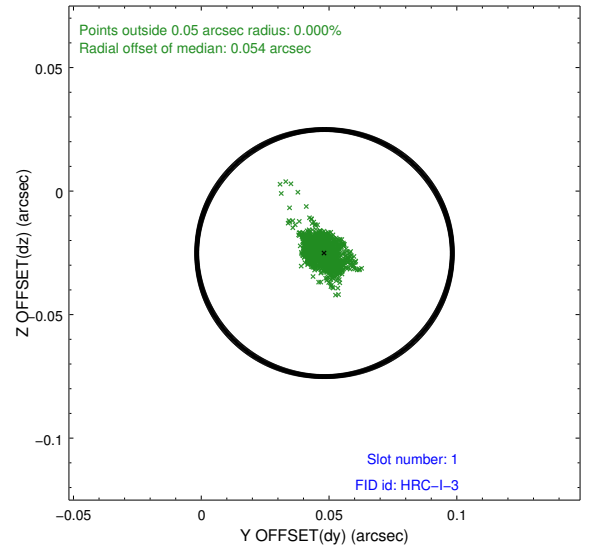
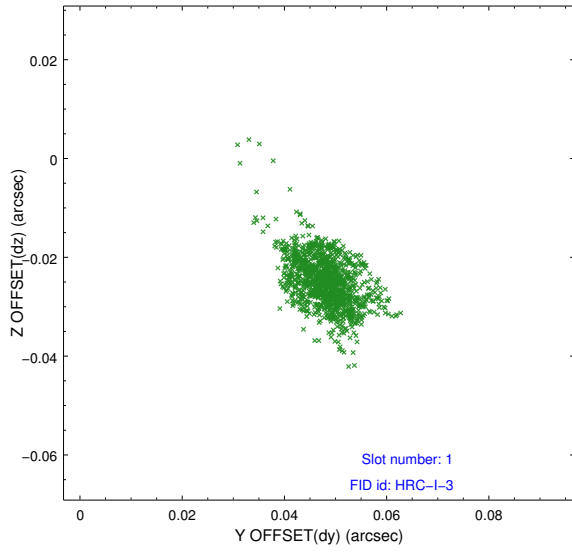


## 2.5 FID Slots

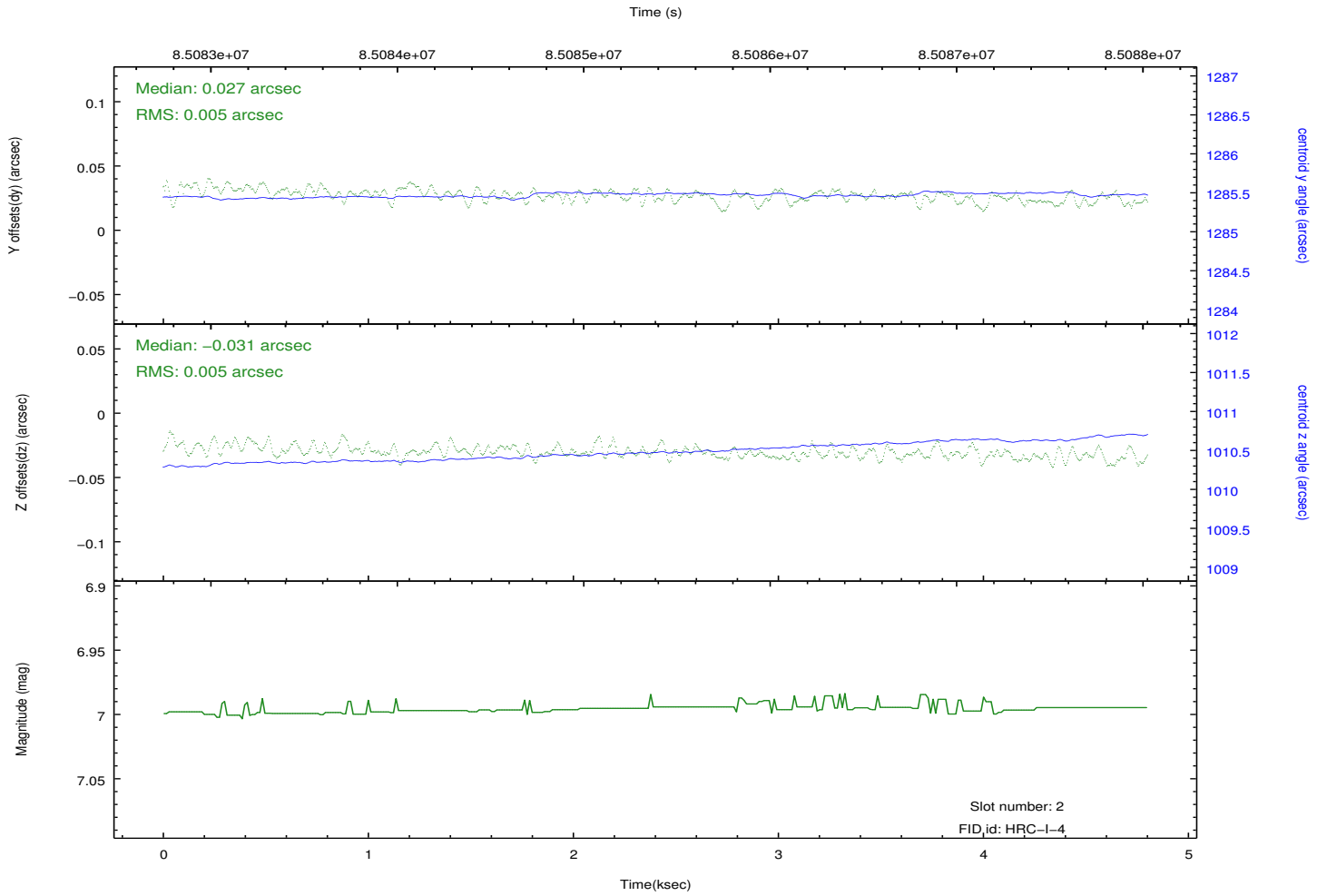
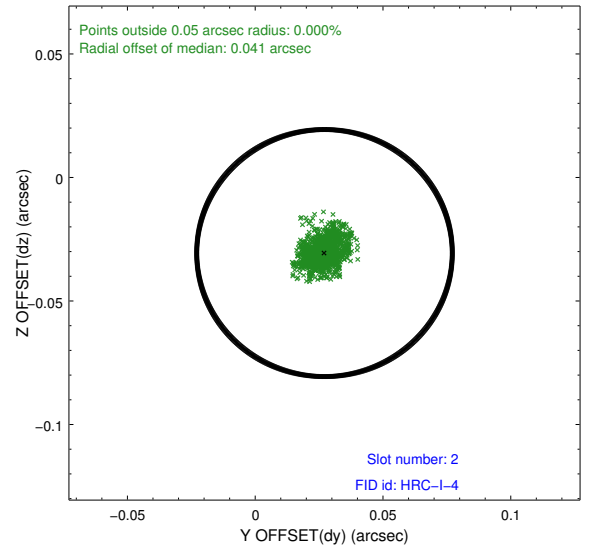
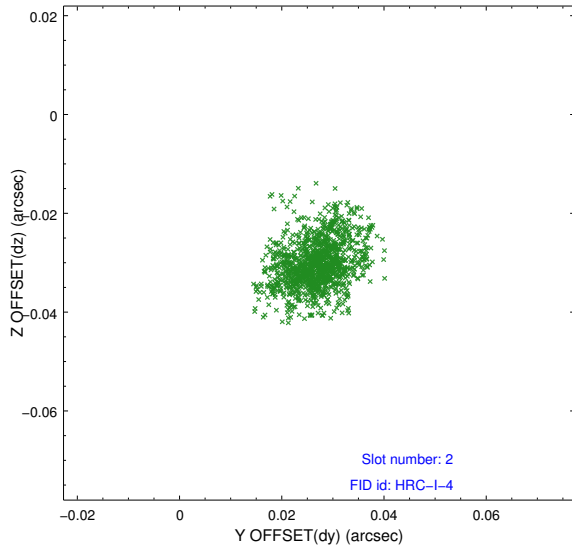
### 2.5.1 Slot 0



## 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)	2012.09.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.679

## A.2 Comments