

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 6550 - L2 Version 4  
Chandra X-Ray Center

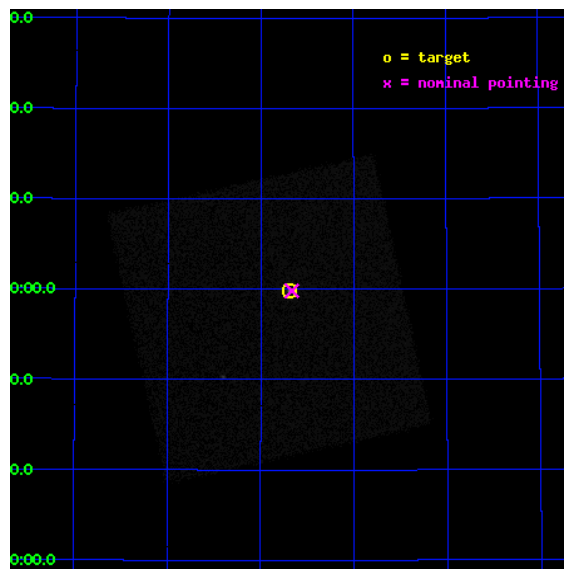
L2 Processing Date : Aug 10 2012

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# 1 Front

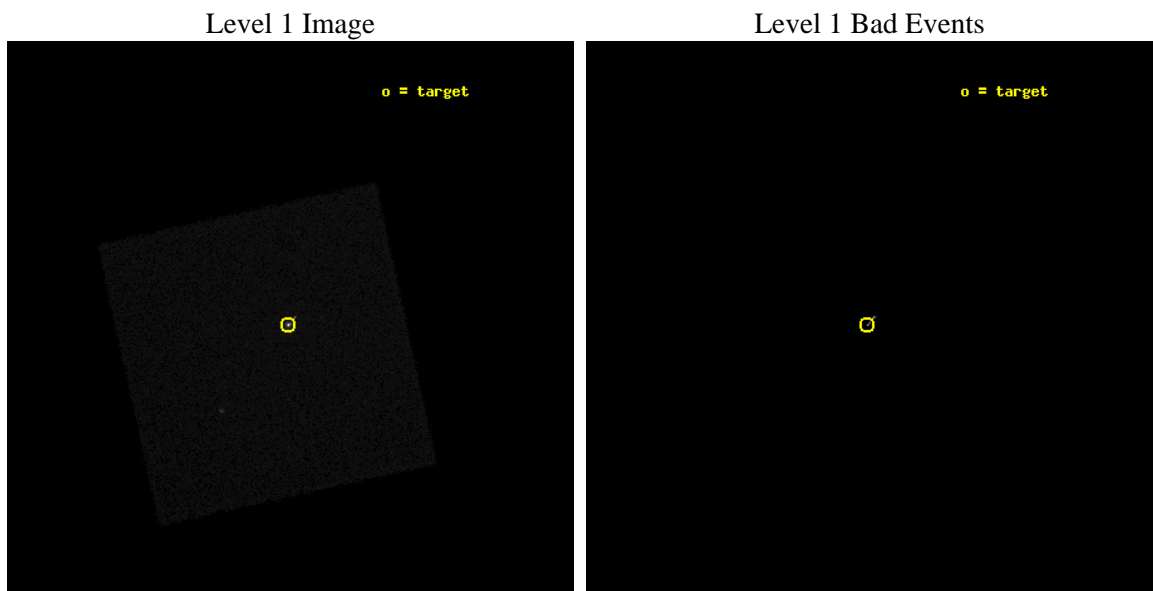
seq_num	290643	Sequence number
obs_id	6550	Observation id
title	Improving the De-Gap Corrections for the HRC-I	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Capella	Source name
ra_targ	79.1725	Observer's specified target RA [deg]
dec_targ	45.998	Observer's specified target Dec [deg]
ra_nom	79.166215911736	Nominal RA [deg]
dec_nom	45.997301324235	Nominal Dec [deg]
roll_nom	212.55748880408	Nominal Roll [deg]
revision	4	Processing version of data
ontime	5193.9314904809	[s]
livetime	5146.8531017485	Ontime multiplied by DTCOR
l2events	325728	Number of level 2 events



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	1	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5193.9314904809	[s]
caldbver	4.5.1.1	&#160	l1events	457425	Number of level 1 events
date	2012-08-10T20:42:08	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	457425
rejected events	25554
rejected %	5%

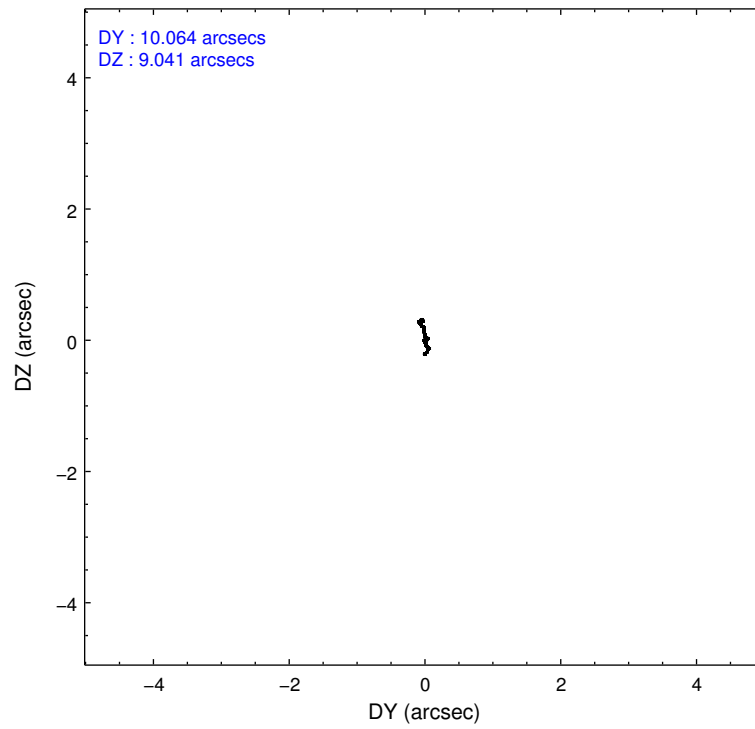
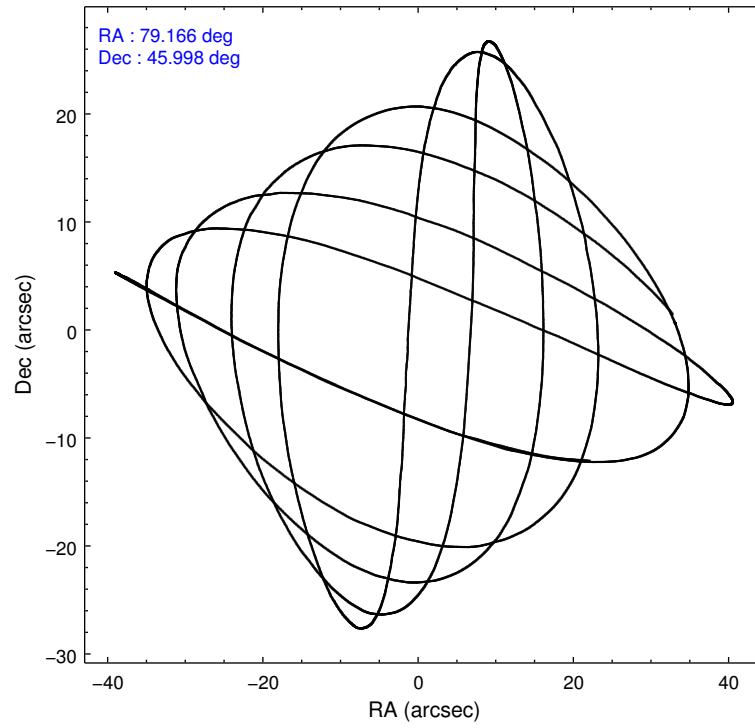


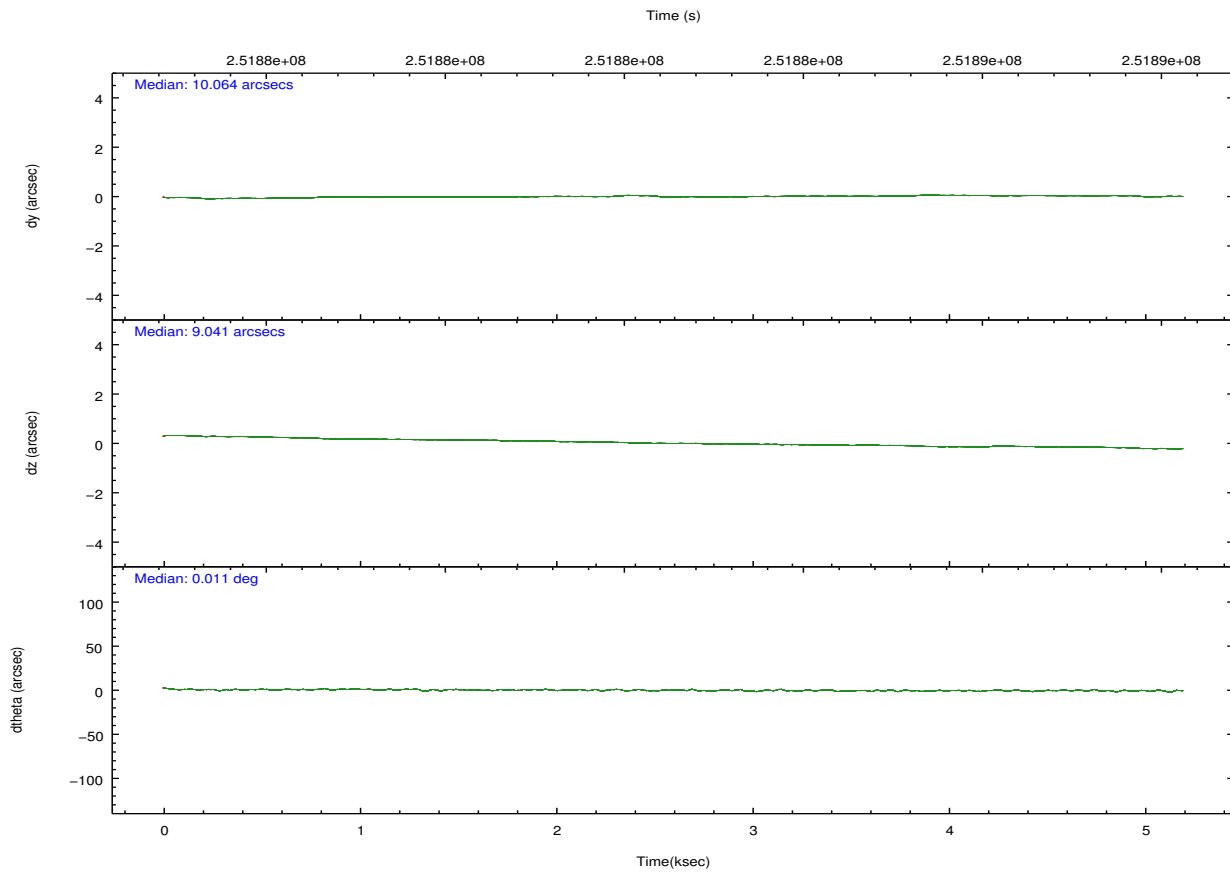
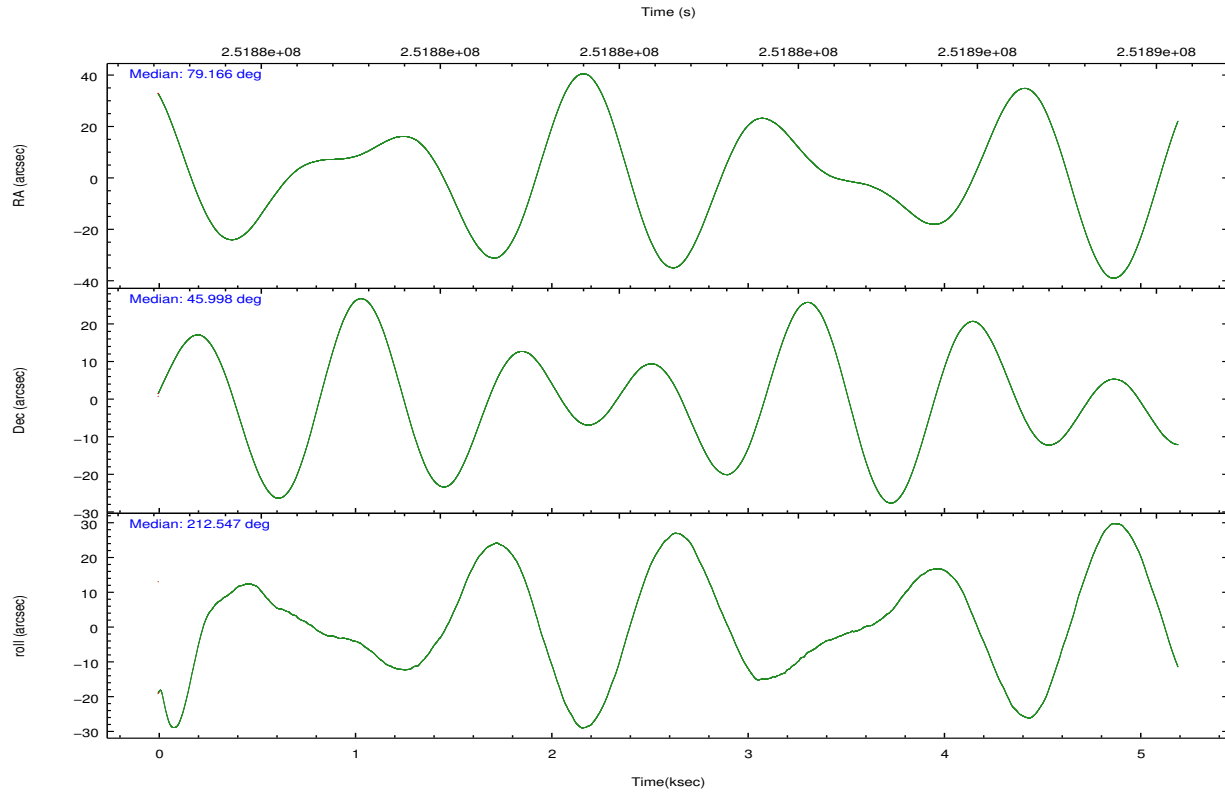
## 2.2 Compared Parameters

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	79.183766	79.16621591173573
[deg] Pointing Dec	46.021619	45.99730132423532
[deg] Pointing Roll	212.640297	212.5574888040775
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	114.985494	114.9972389474497
[mm] SIM translation stage offset	12	11.98824994415183
[s] Observation start time (MET)	251881870.184000	251881493.78912
Observation start date	2005-12-25T07:10:06	2005-12-25T07:04:53
[s] Observation end time (MET)	251886870.184000	251887003.67688
Observation end date	2005-12-25T08:33:26	2005-12-25T08:36:43

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

## 2.3 Aspect



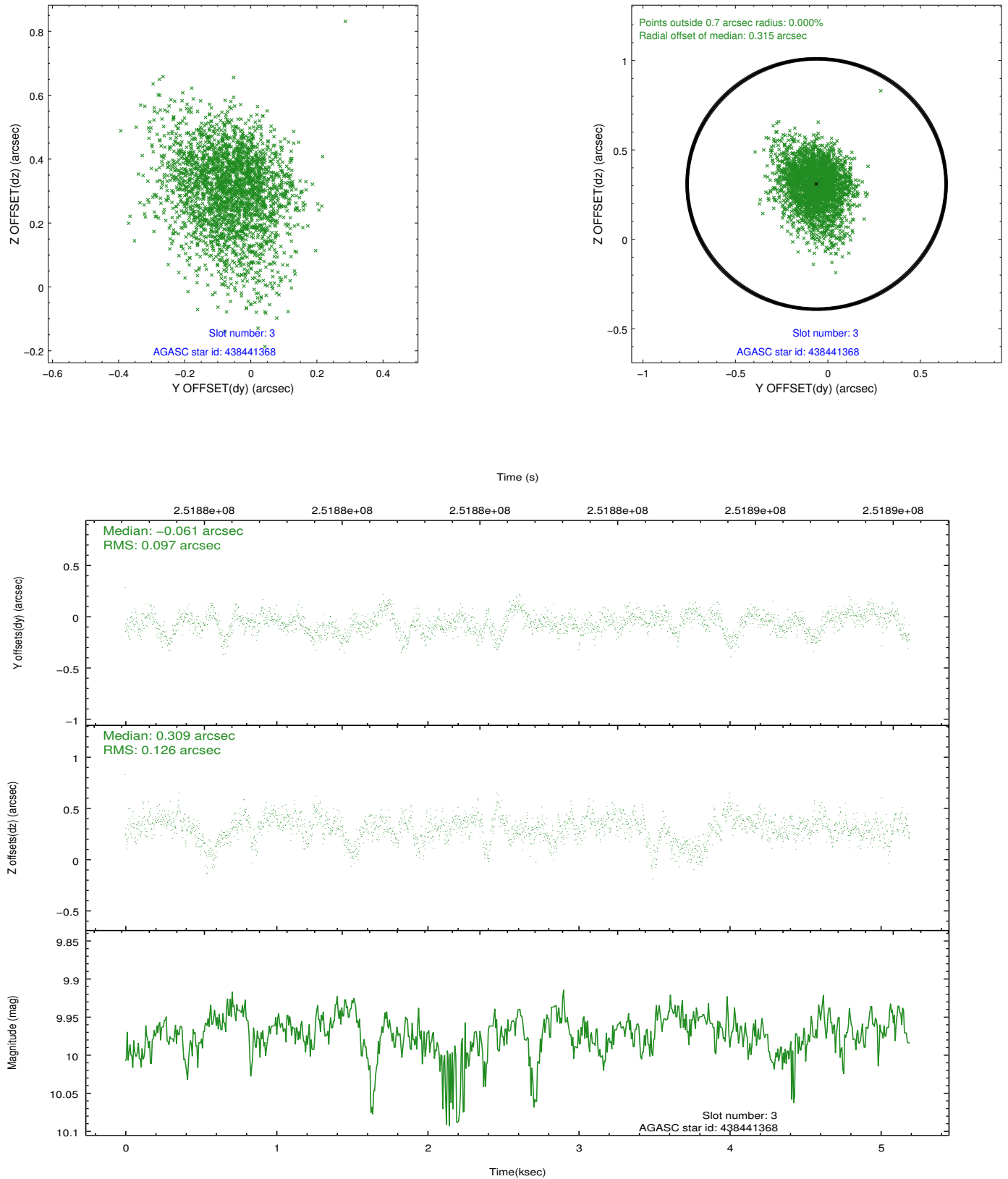


### Slot Statistics

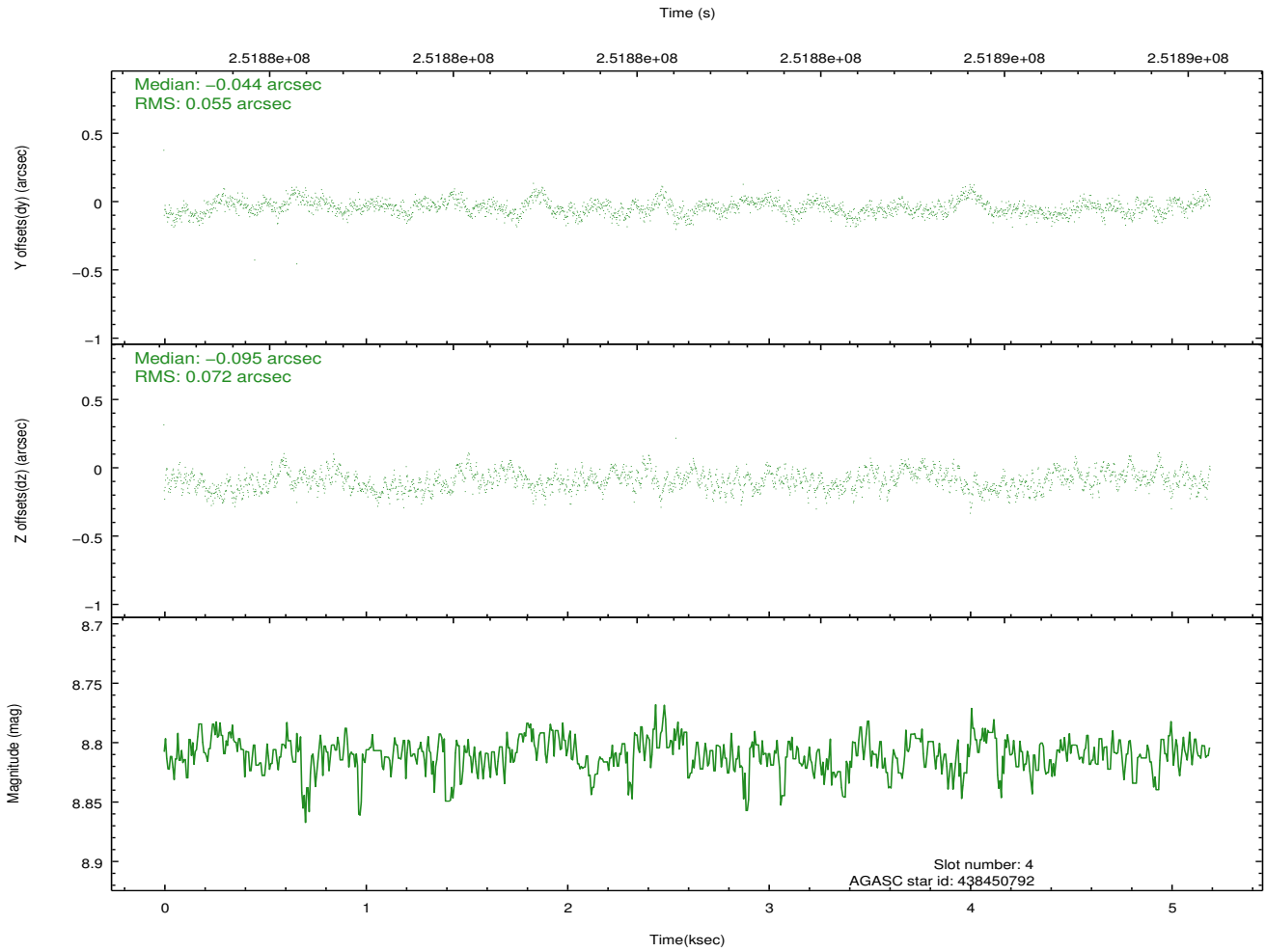
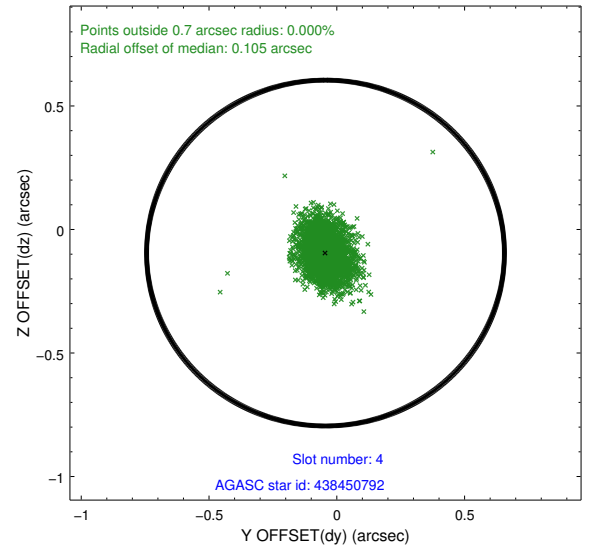
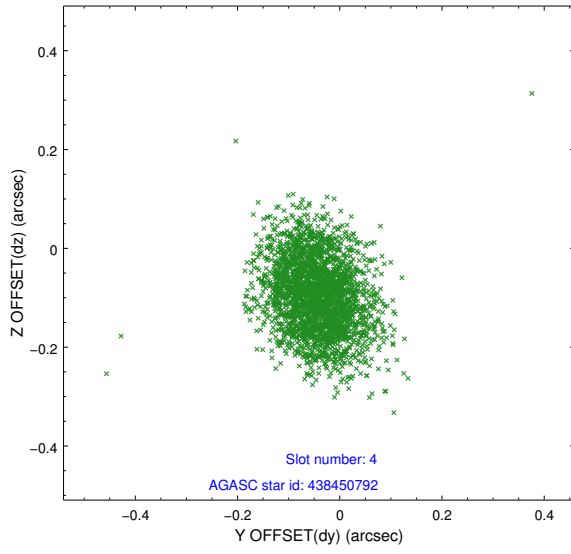
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.96	1268	-0.097	0.279	0.009	0.014	0.000000	0.000000	-765.40	-1051.55
1	FID	HRC-I-2	7.03	1268	0.101	-0.009	0.008	0.014	0.000000	0.000000	846.13	-1052.99
2	FID	HRC-I-3	7.05	1268	0.116	-0.358	0.008	0.014	0.000000	0.000000	-1193.62	1252.87
3	GUIDE	438441368	9.97	2530	-0.061	0.309	0.163	0.282	78.646413	46.420494	345.92	-1931.11
4	GUIDE	438450792	8.81	2533	-0.044	-0.095	0.095	0.153	78.654240	46.382628	404.36	-1806.56
5	GUIDE	440150048	7.14	2535	0.001	-0.134	0.073	0.121	79.112838	46.416060	-617.71	-1290.91
6	GUIDE	440163960	8.88	2535	-0.009	-0.039	0.080	0.136	79.298370	45.827072	134.65	744.90
7	GUIDE	440164960	8.31	2534	0.112	-0.031	0.074	0.118	79.132526	46.140947	-124.11	-429.36

## 2.4 Star Slots

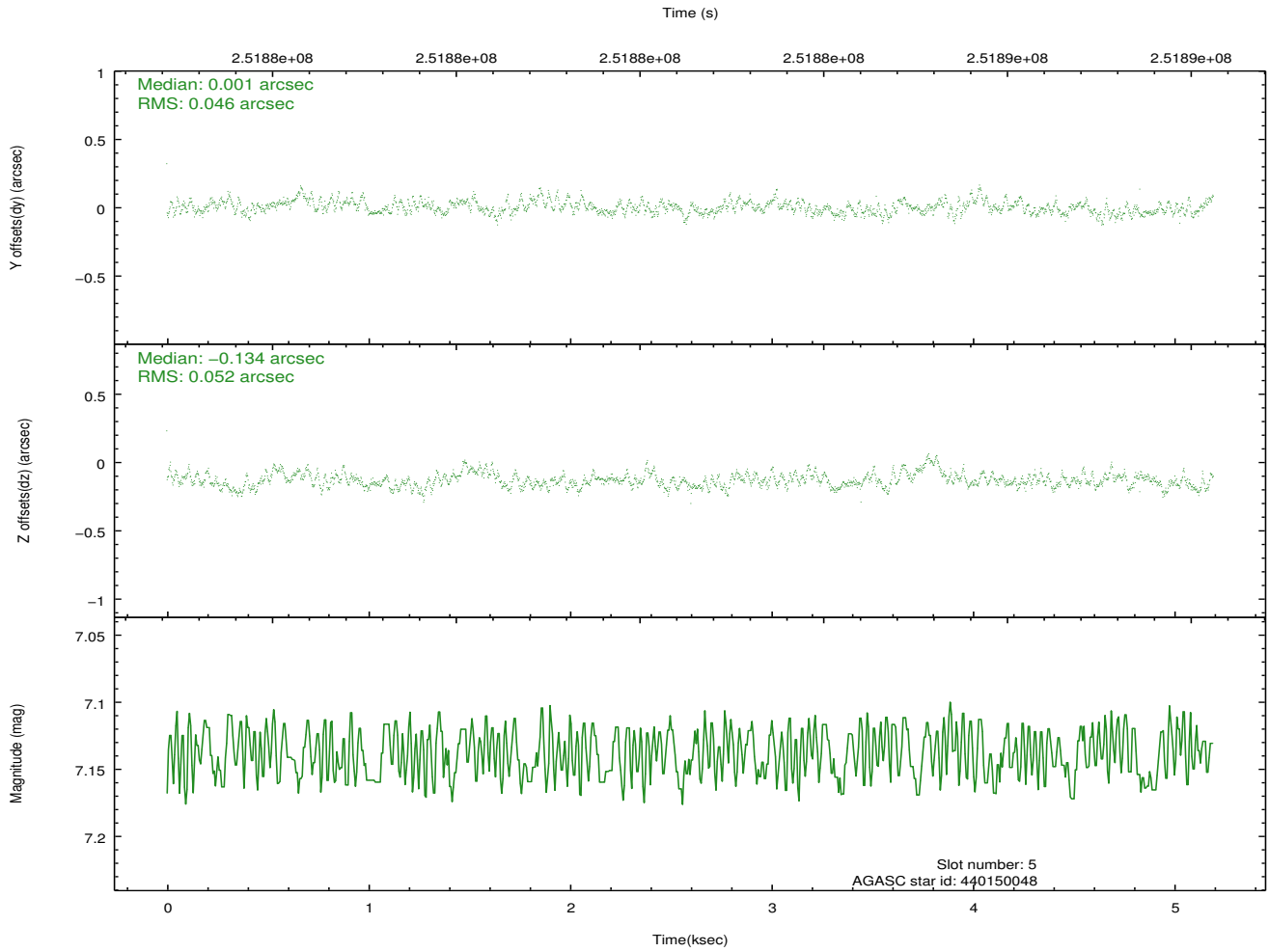
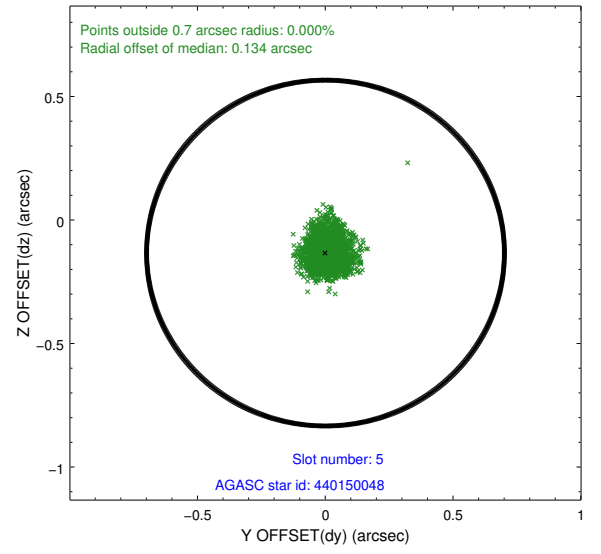
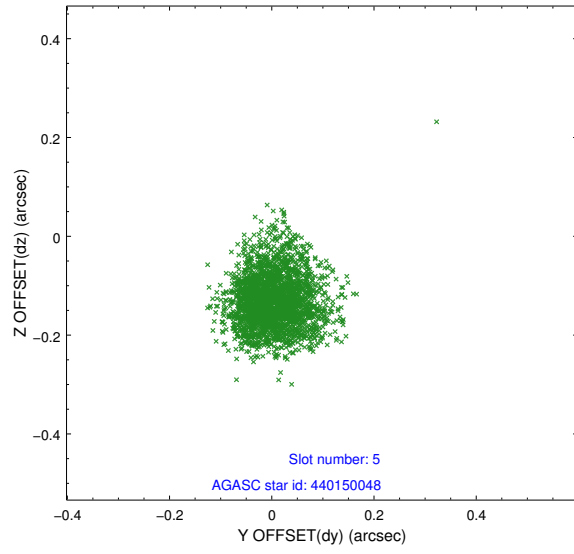
### 2.4.1 Slot 3



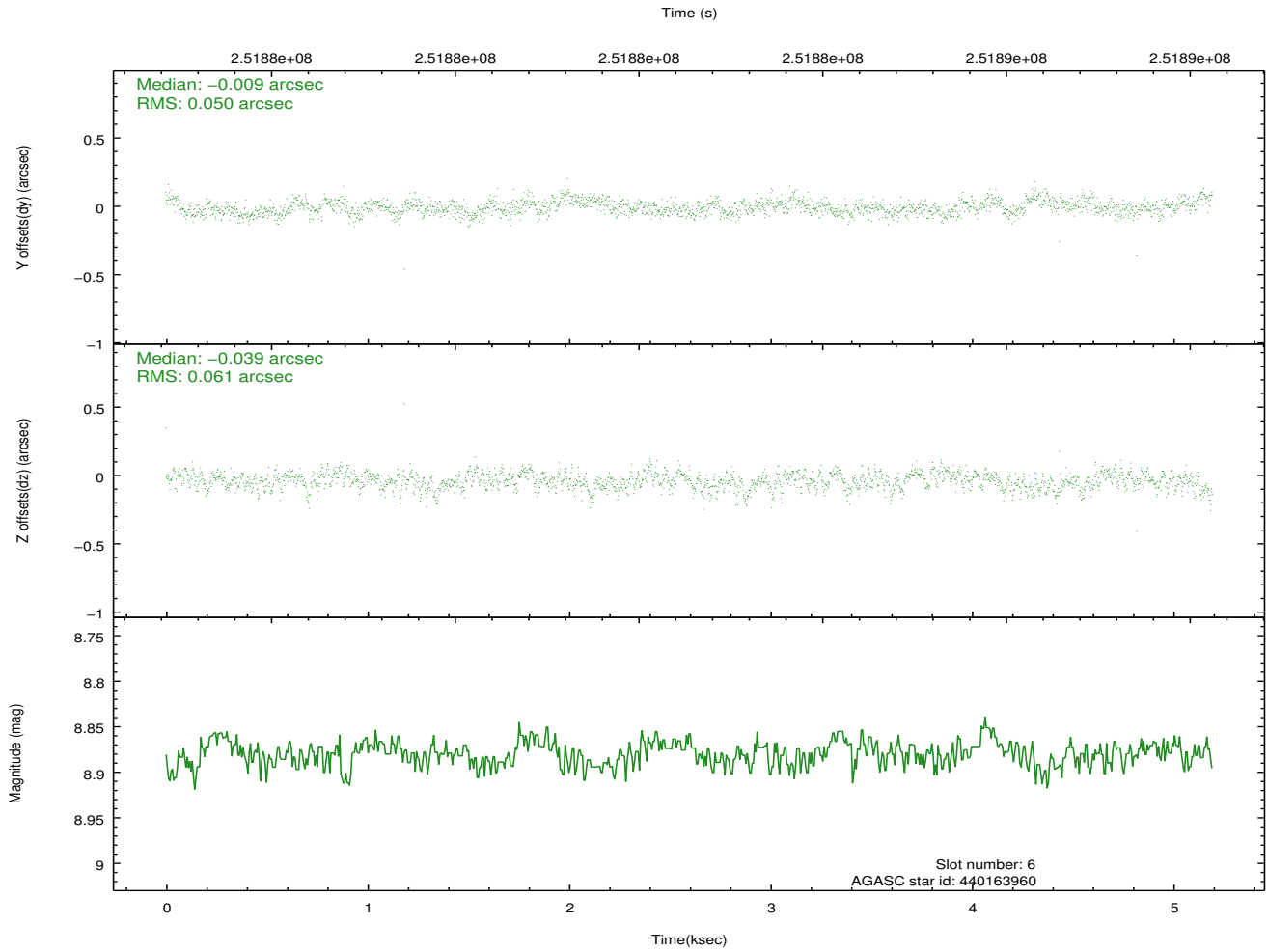
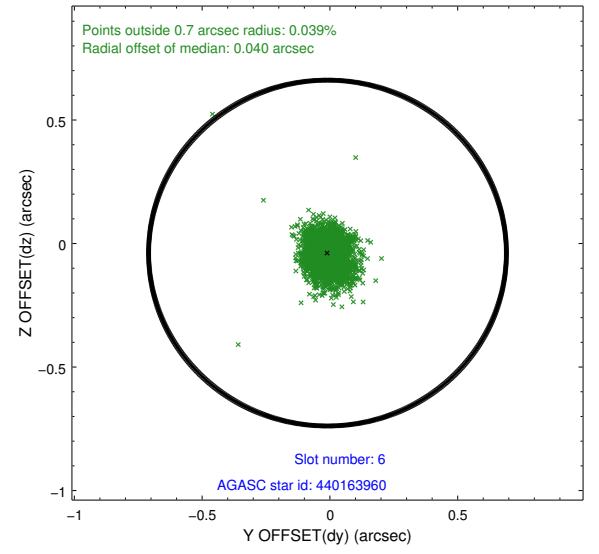
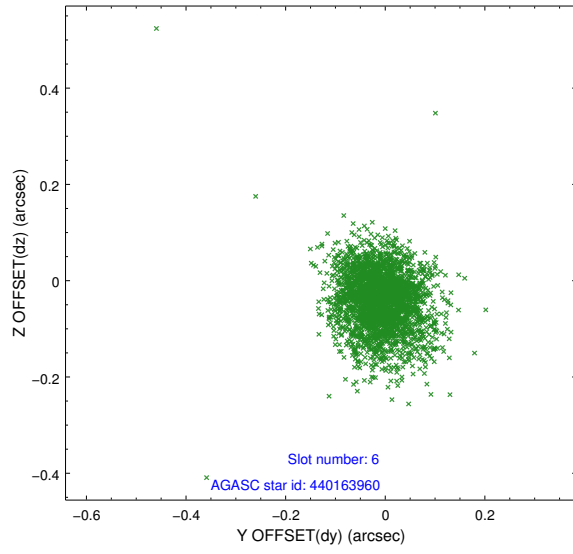
## 2.4.2 Slot 4



### 2.4.3 Slot 5

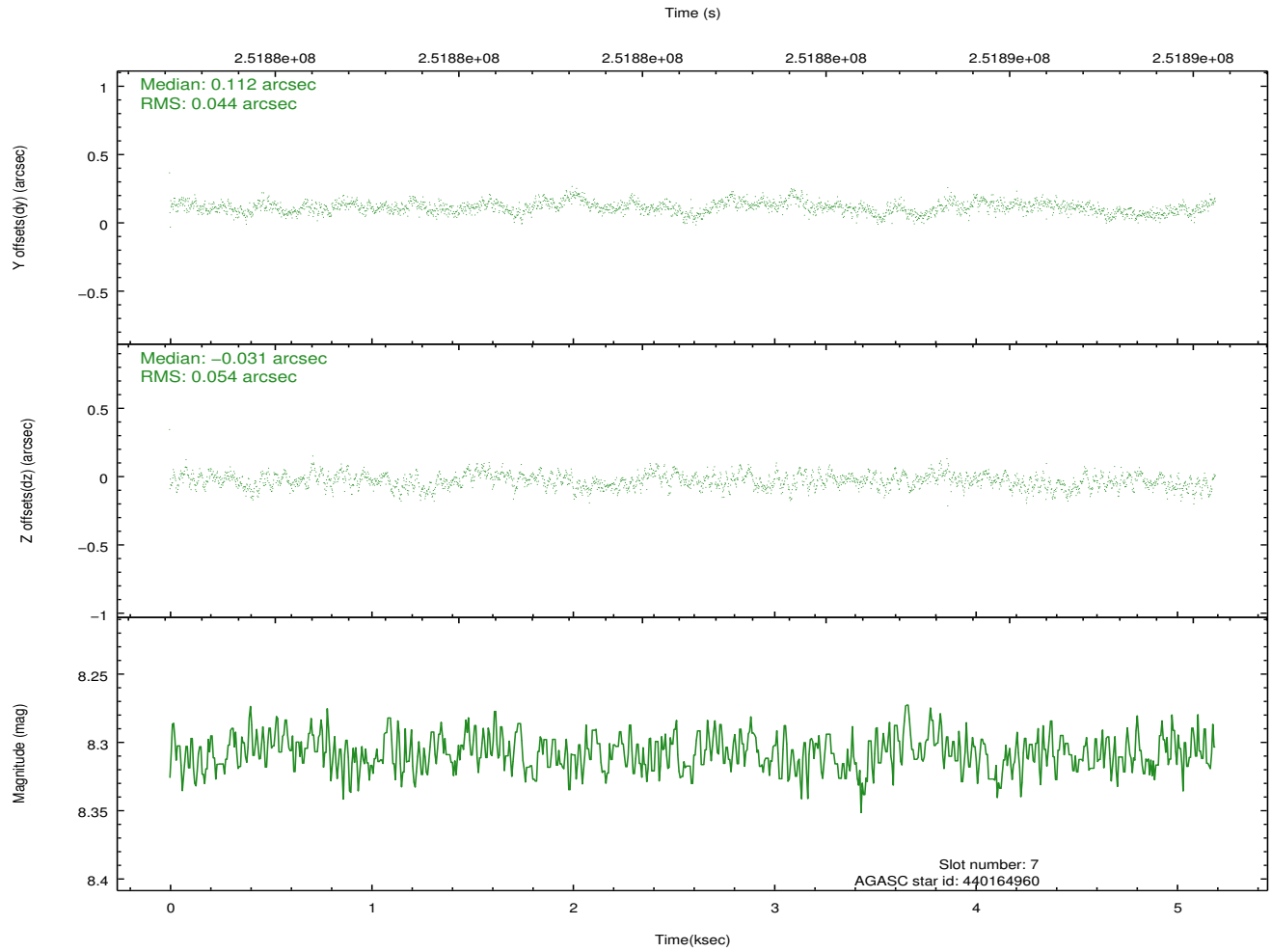
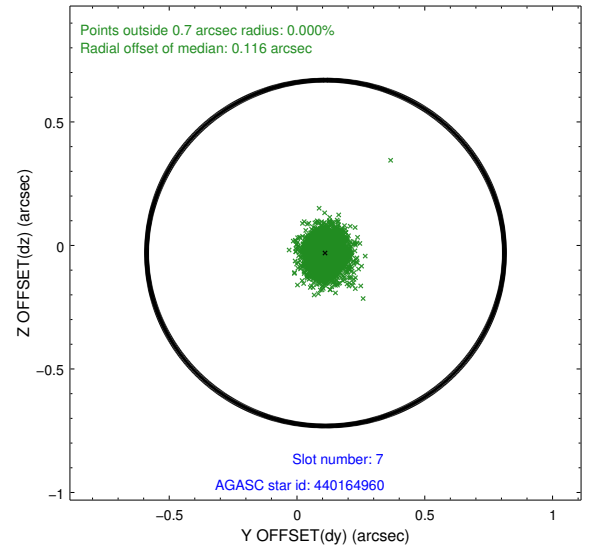
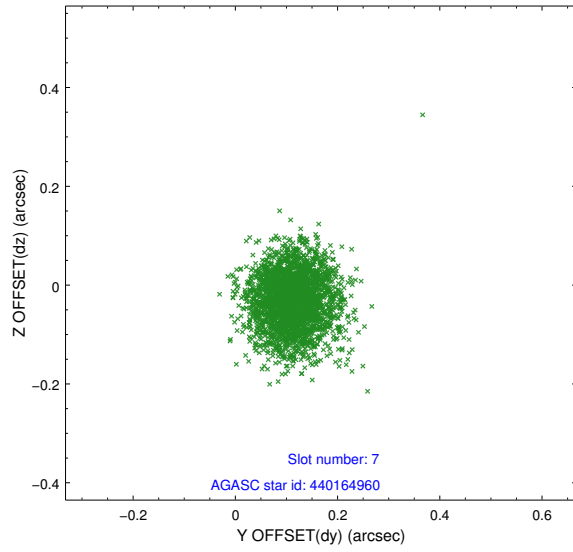


## 2.4.4 Slot 6



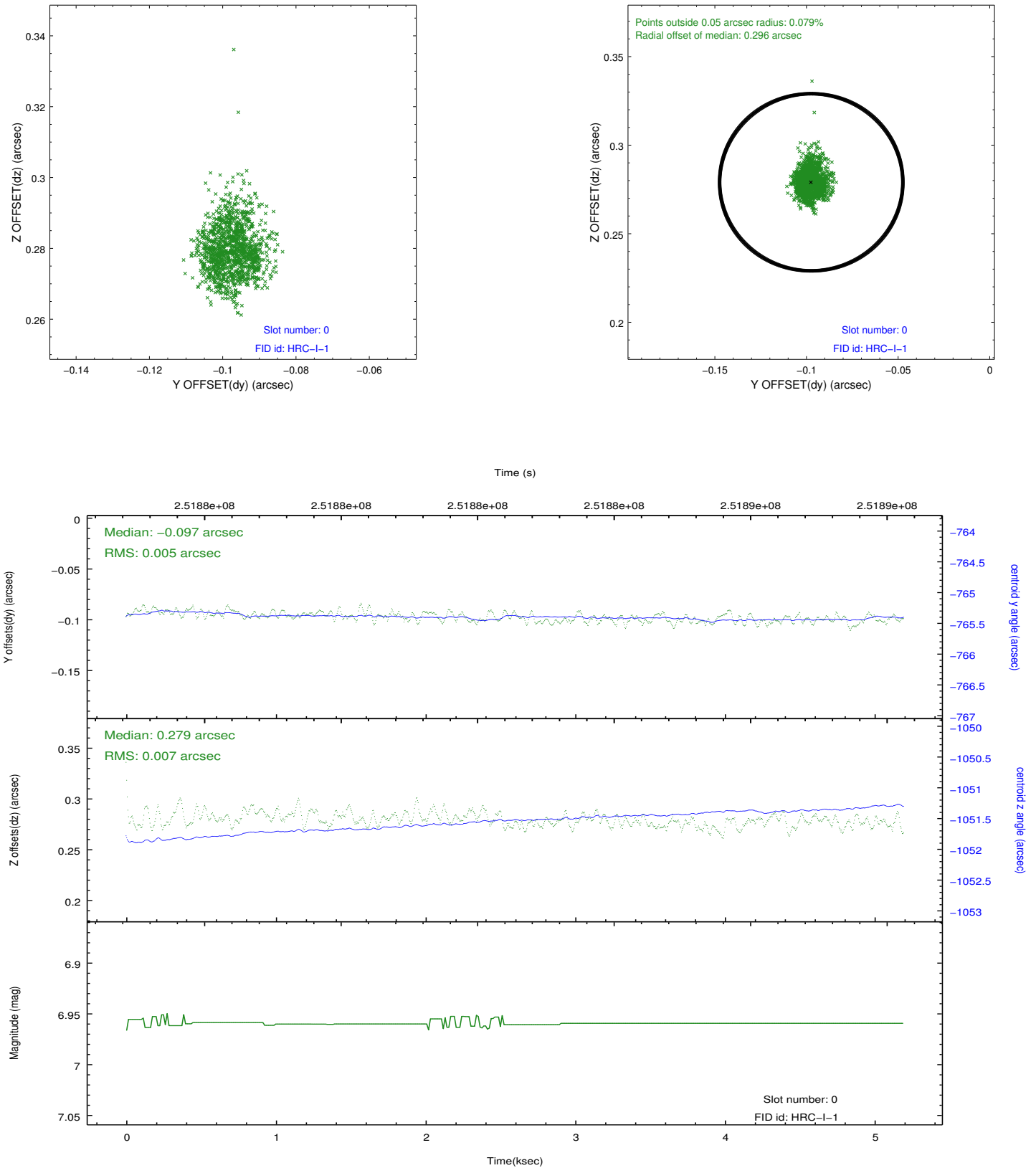


## 2.4.5 Slot 7

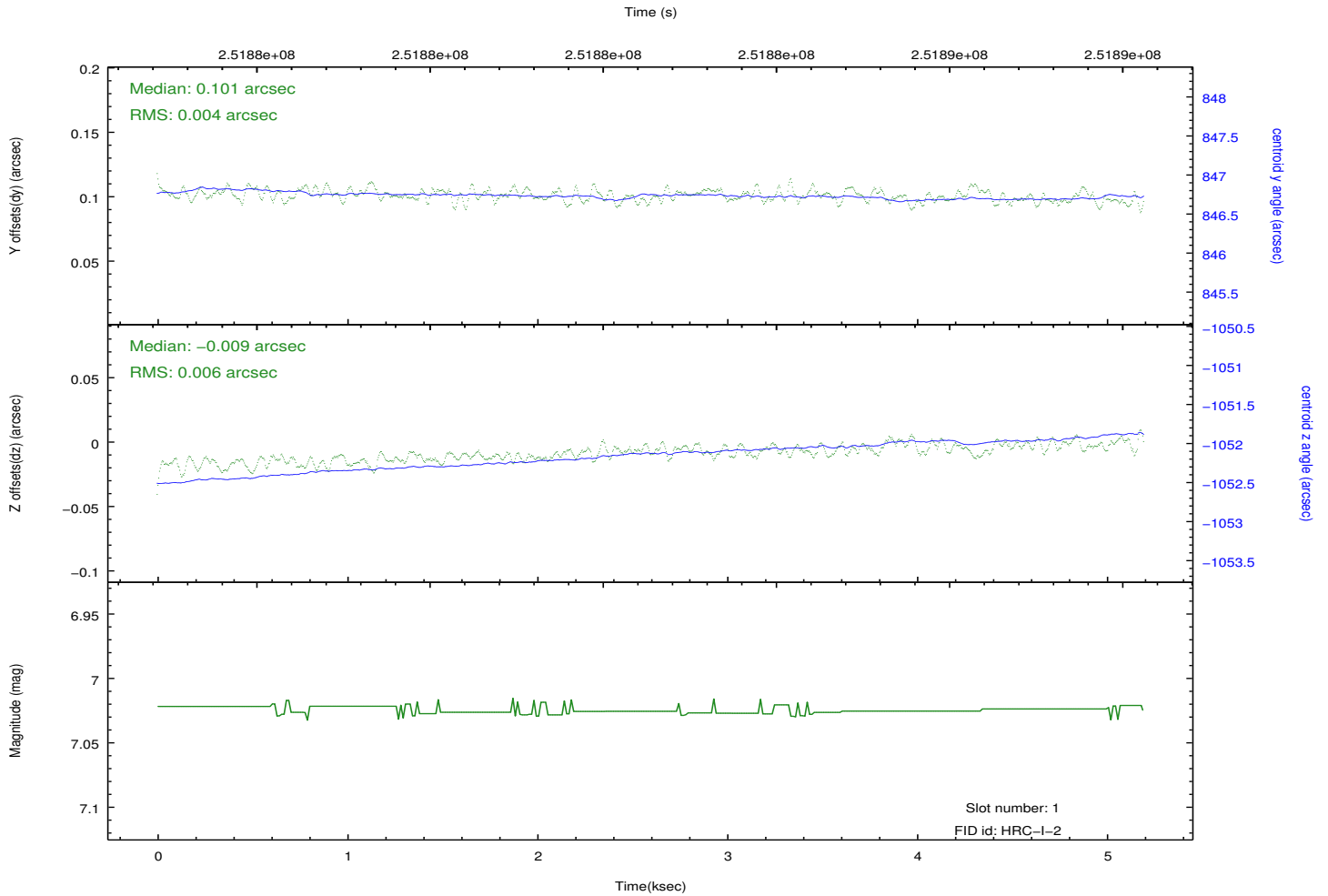
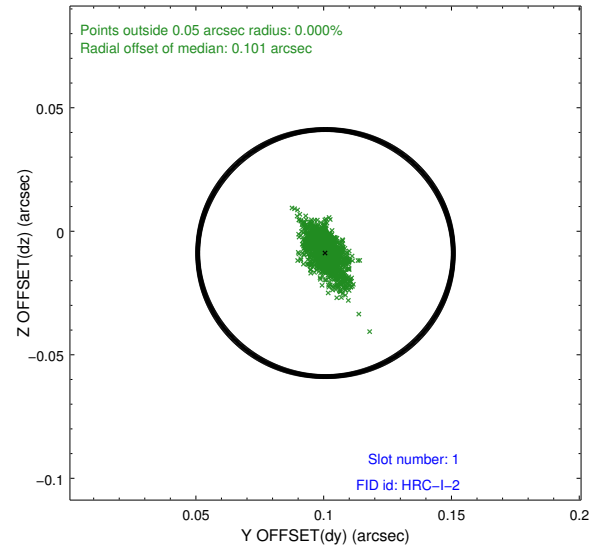
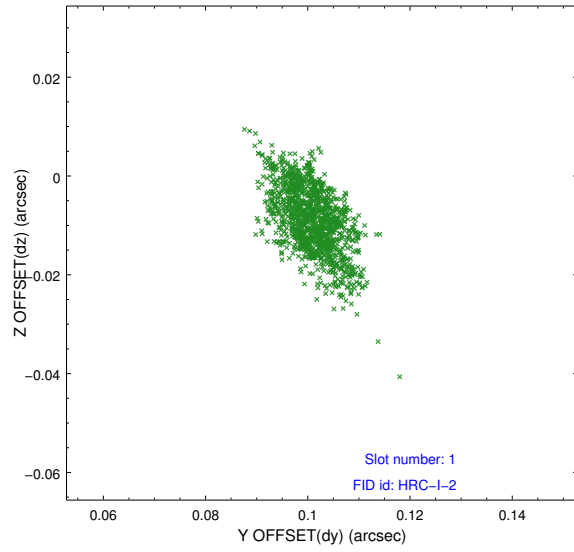


## 2.5 FID Slots

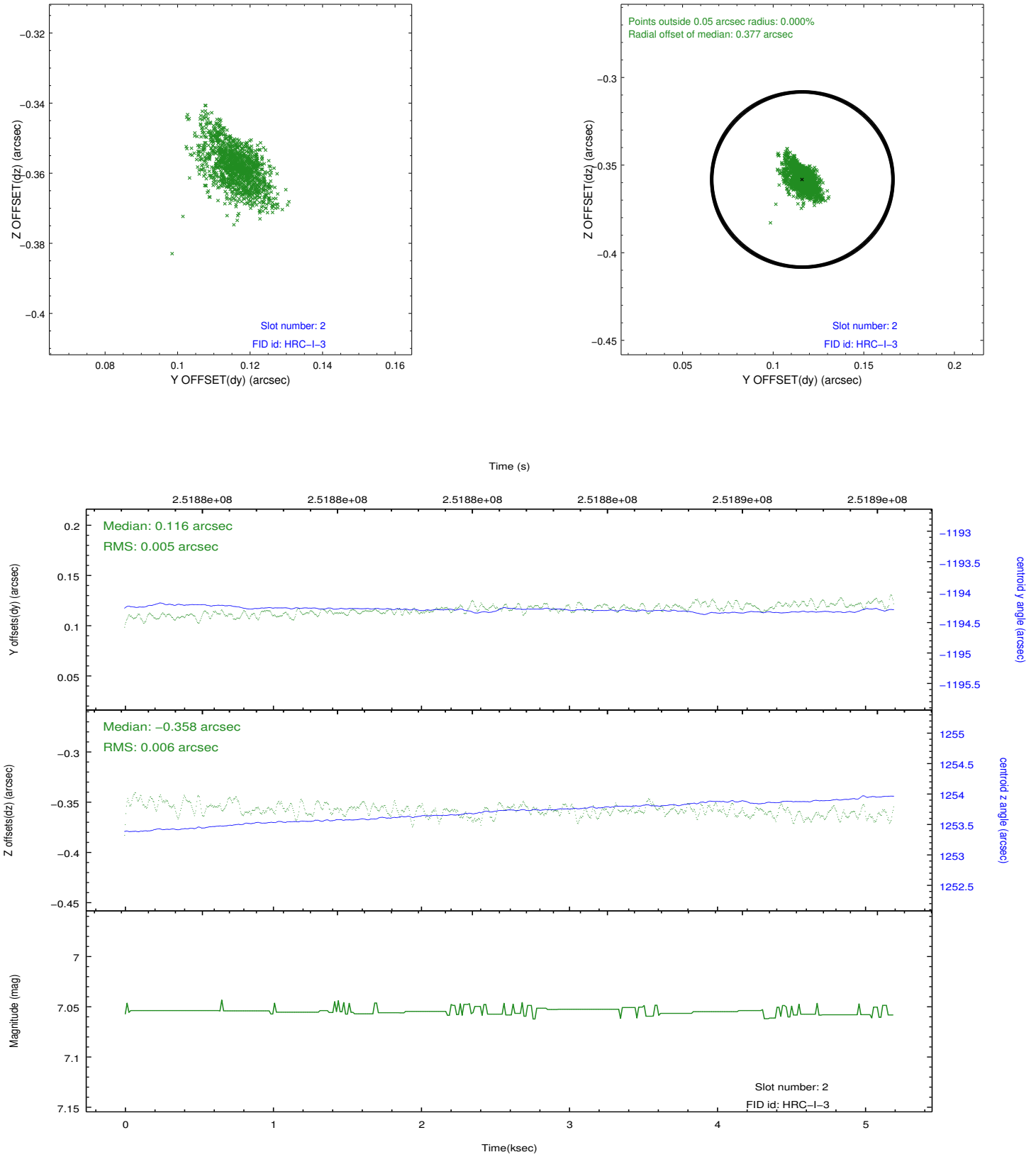
### 2.5.1 Slot 0



## 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)	2012.08.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.193931

### A.2 Comments