

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 8359 - L2 Version 5  
Chandra X-Ray Center

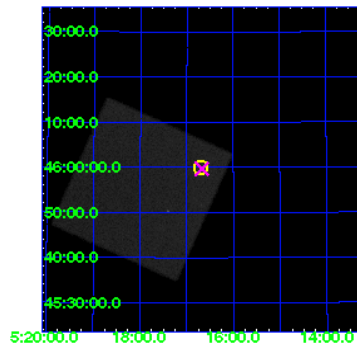
L2 Processing Date : Aug 11 2012

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# 1 Front

seq_num	290738	Sequence number
obs_id	8359	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	79.168609999359	Nominal RA [deg]
dec_nom	45.99480728415	Nominal Dec [deg]
roll_nom	249.18243450223	Nominal Roll [deg]
revision	5	Processing version of data
ontime	5183.6814957261	[s]
livetime	5122.7090075893	Ontime multiplied by DTCOR
l2events	415843	Number of level 2 events

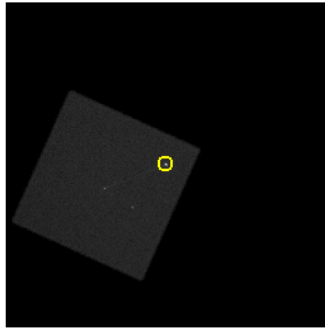


## 2 OBI

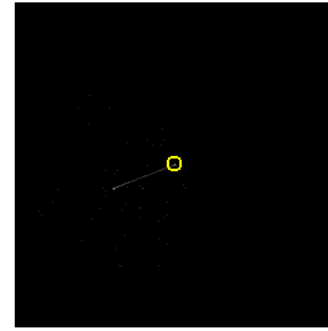
### 2.1 OBI

#### 2.1.1 Images

Level 1 Image



Level 1 Bad Events



### 2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5183.6814957261	[s]
caldbver	4.5.1.1	&#160	l1events	661345	Number of level 1 events
date	2012-08-11T17:57:45	Date and time of file creation			
revision	5	Processing version of data			

### 2.1.3 Events

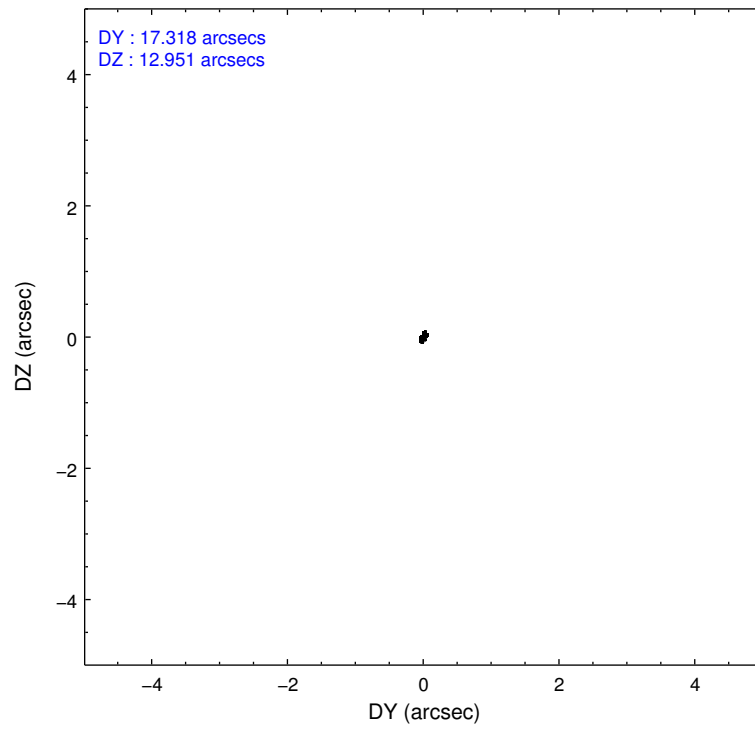
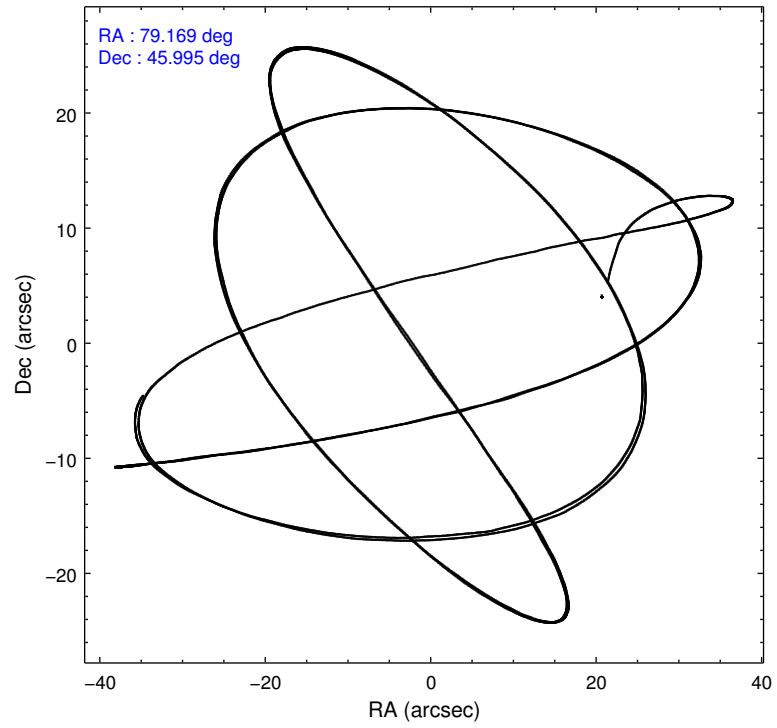
#### Level 1 Events

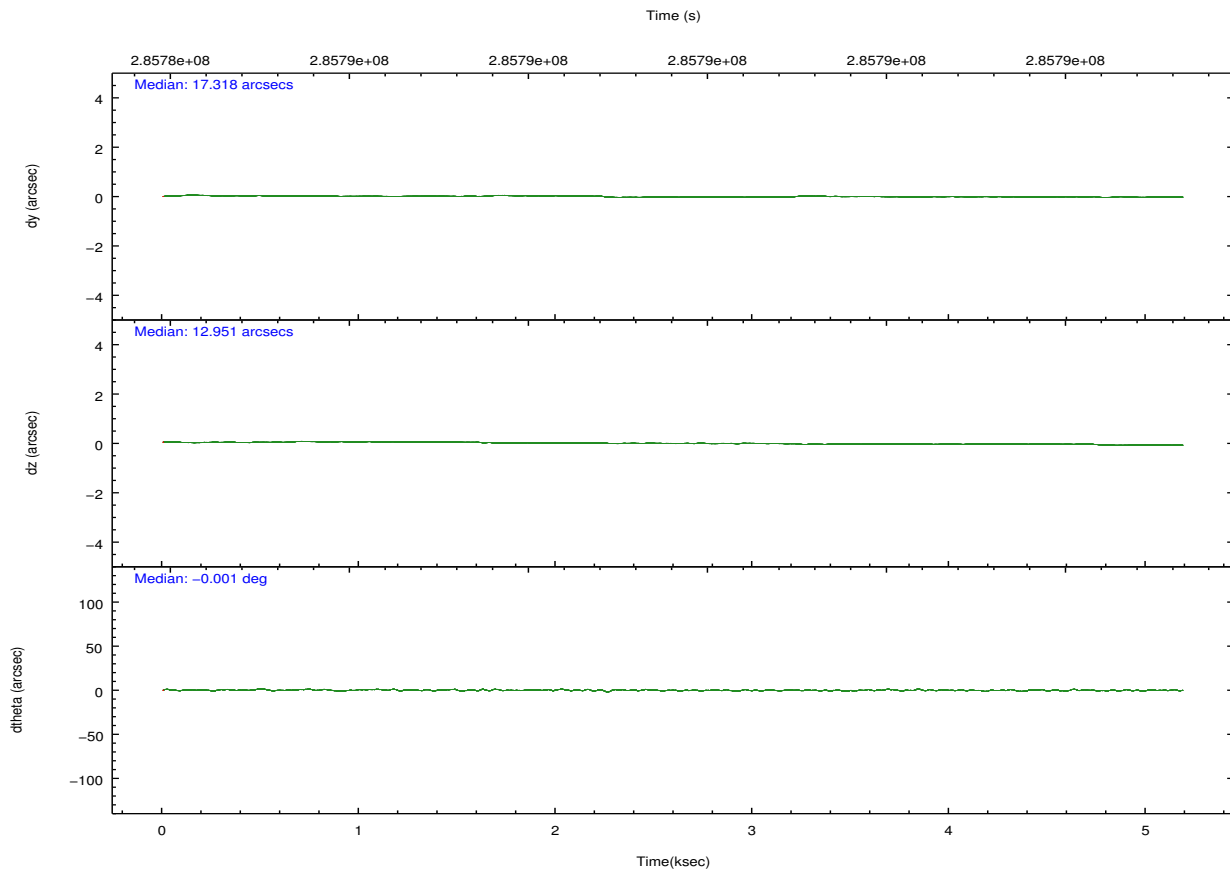
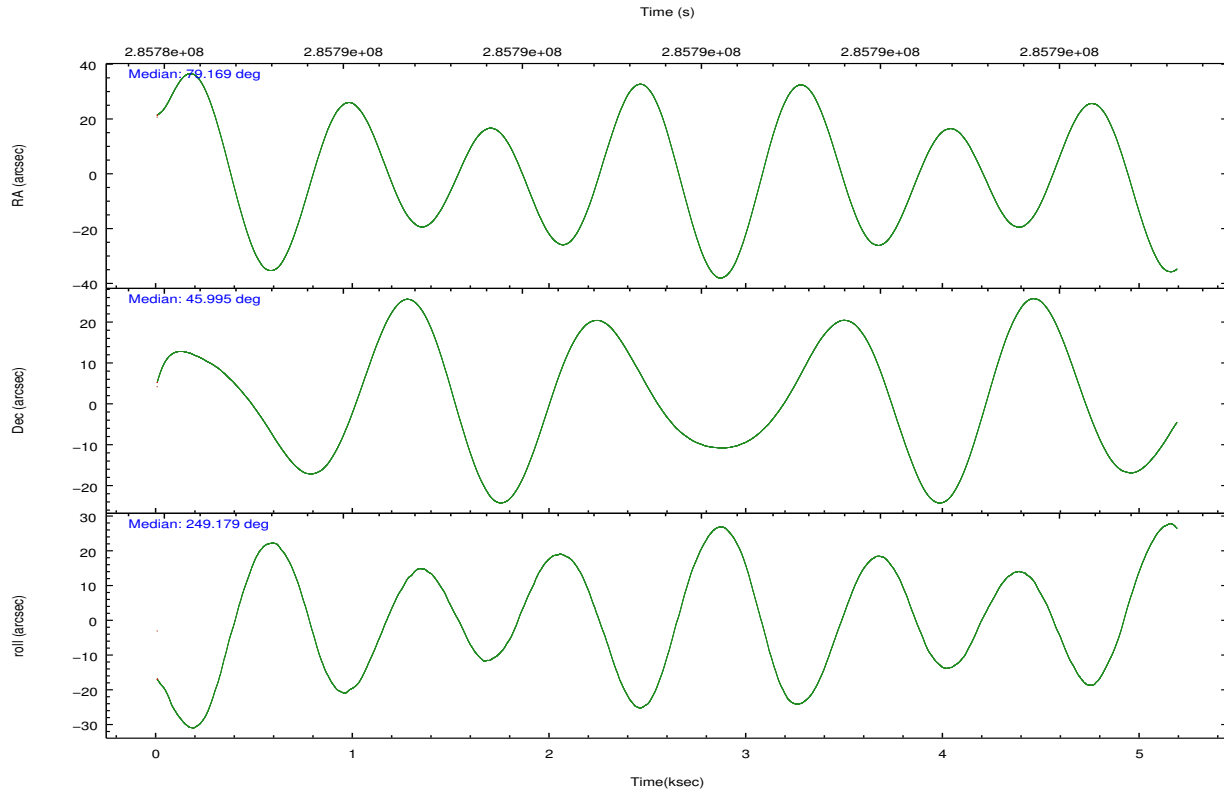
	<b>segment 0</b>
level 1 events	661345
rejected events	102142
rejected %	<b>15%</b>

## 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	79.161249	79.16860999935852			
[deg] Pointing Dec	46.021617	45.99480728415039			
[deg] Pointing Roll	249.283209	249.1824345022349			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	84.985494	84.98637150802956			
[mm] SIM translation stage offset	42	41.999117383572			
[s] Observation start time (MET)	285785409.184000	285784167.82729			
Observation start date	2007-01-21T16:49:04	2007-01-21T16:29:27			
[s] Observation end time (MET)	285790409.184000	285790543.32759			
Observation end date	2007-01-21T18:12:24	2007-01-21T18:15:43			

## 2.3 Aspect



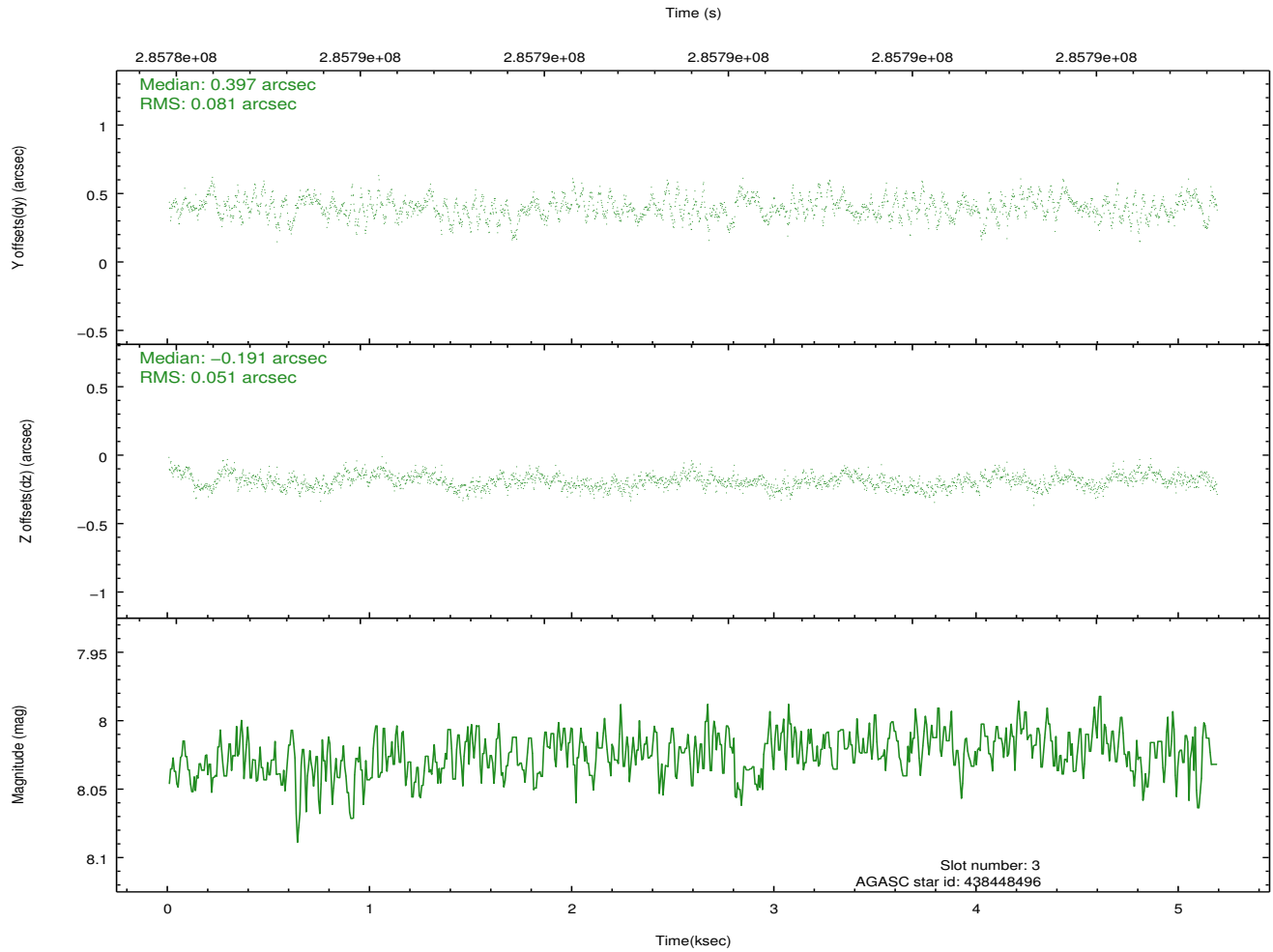
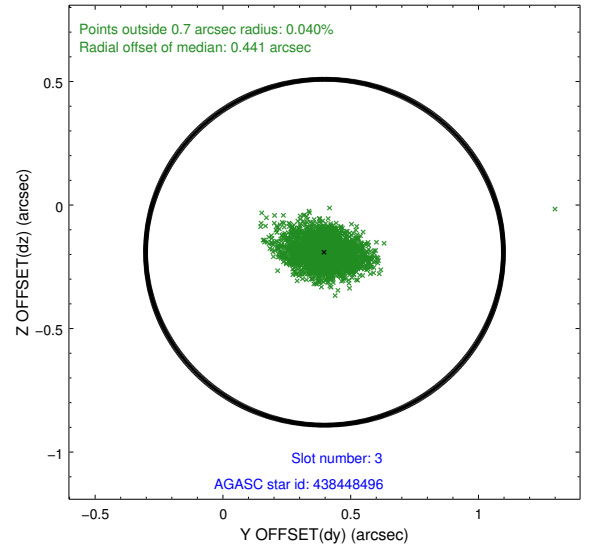
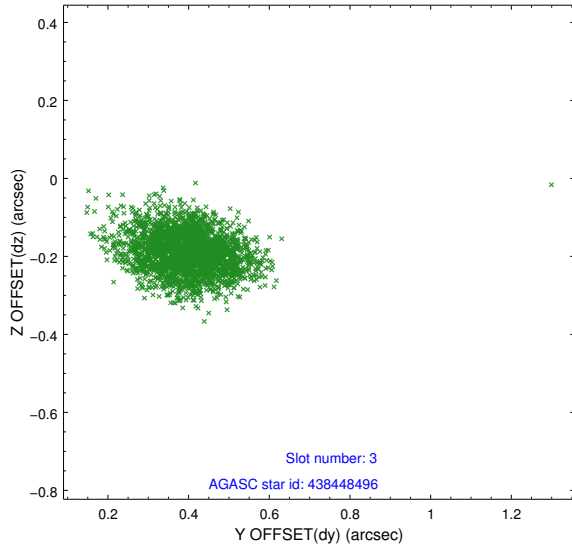


### Slot Statistics

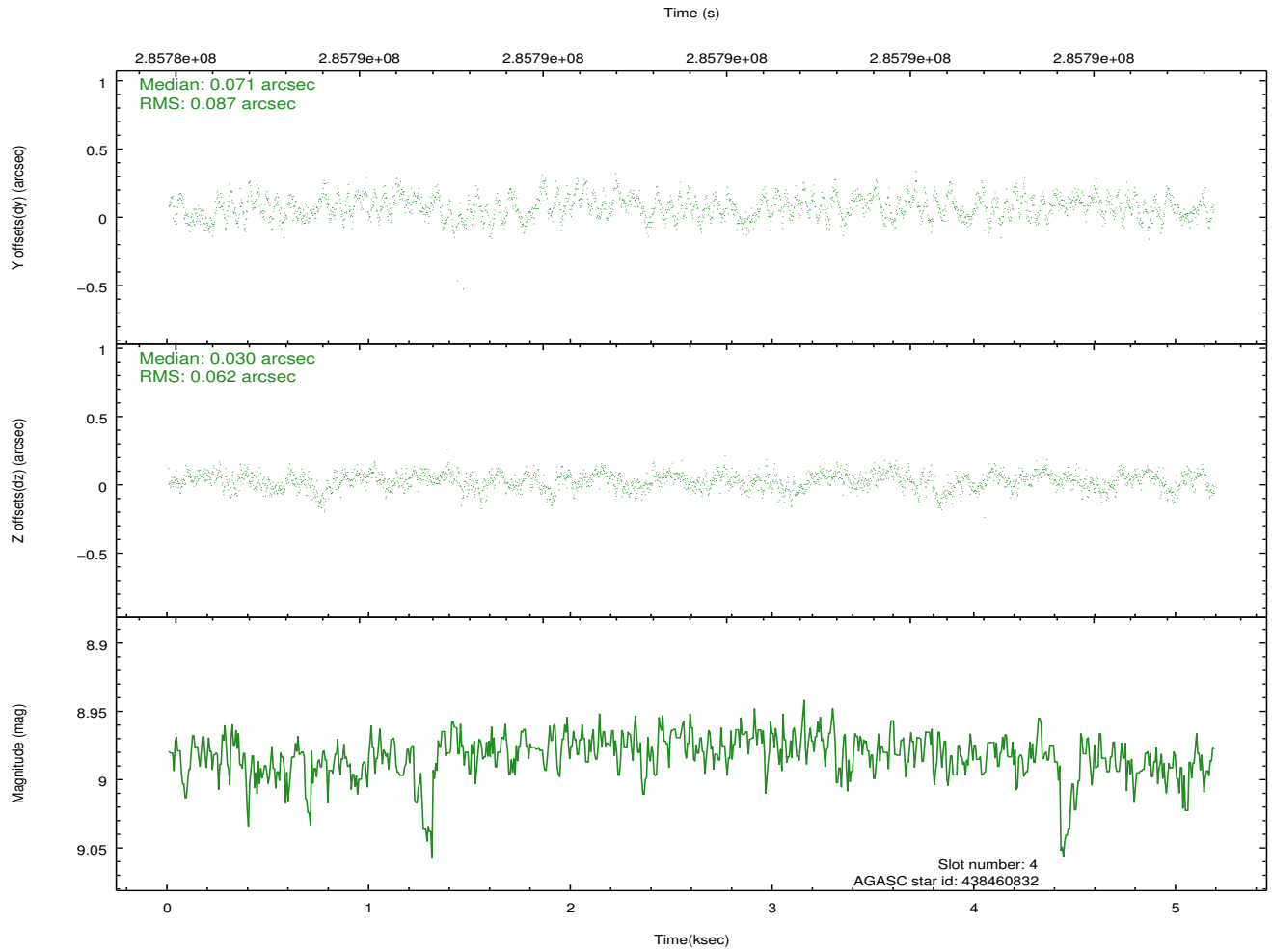
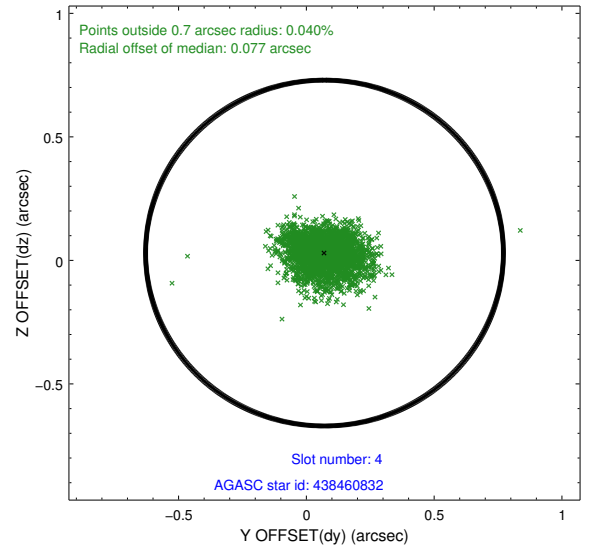
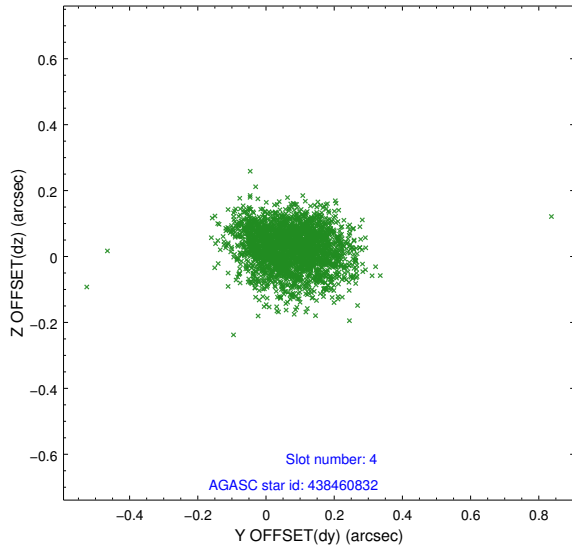
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.99	1265	0.062	-0.137	0.009	0.015	0.000000	0.000000	-771.39	-442.38
1	FID	HRC-I-2	7.12	1265	-0.225	0.269	0.007	0.013	0.000000	0.000000	837.90	-439.04
2	FID	HRC-I-3	7.03	1265	0.284	-0.218	0.007	0.013	0.000000	0.000000	-1201.83	1866.24
3	GUIDE	438448496	8.03	2530	0.397	-0.191	0.098	0.166	77.967952	45.656964	2270.15	-2352.36
4	GUIDE	438460832	8.98	2526	0.071	0.030	0.112	0.181	78.414614	45.554782	2231.26	-1170.01
5	GUIDE	440140240	9.99	2448	-0.258	0.047	0.146	0.238	78.889349	46.726437	-2136.07	-1526.91
6	GUIDE	440150048	7.14	2530	-0.290	-0.018	0.080	0.133	79.112838	46.416060	-1286.29	-615.69
7	GUIDE	438441368	9.98	2518	0.069	0.145	0.154	0.250	78.646413	46.420494	-894.85	-1704.94

## 2.4 Star Slots

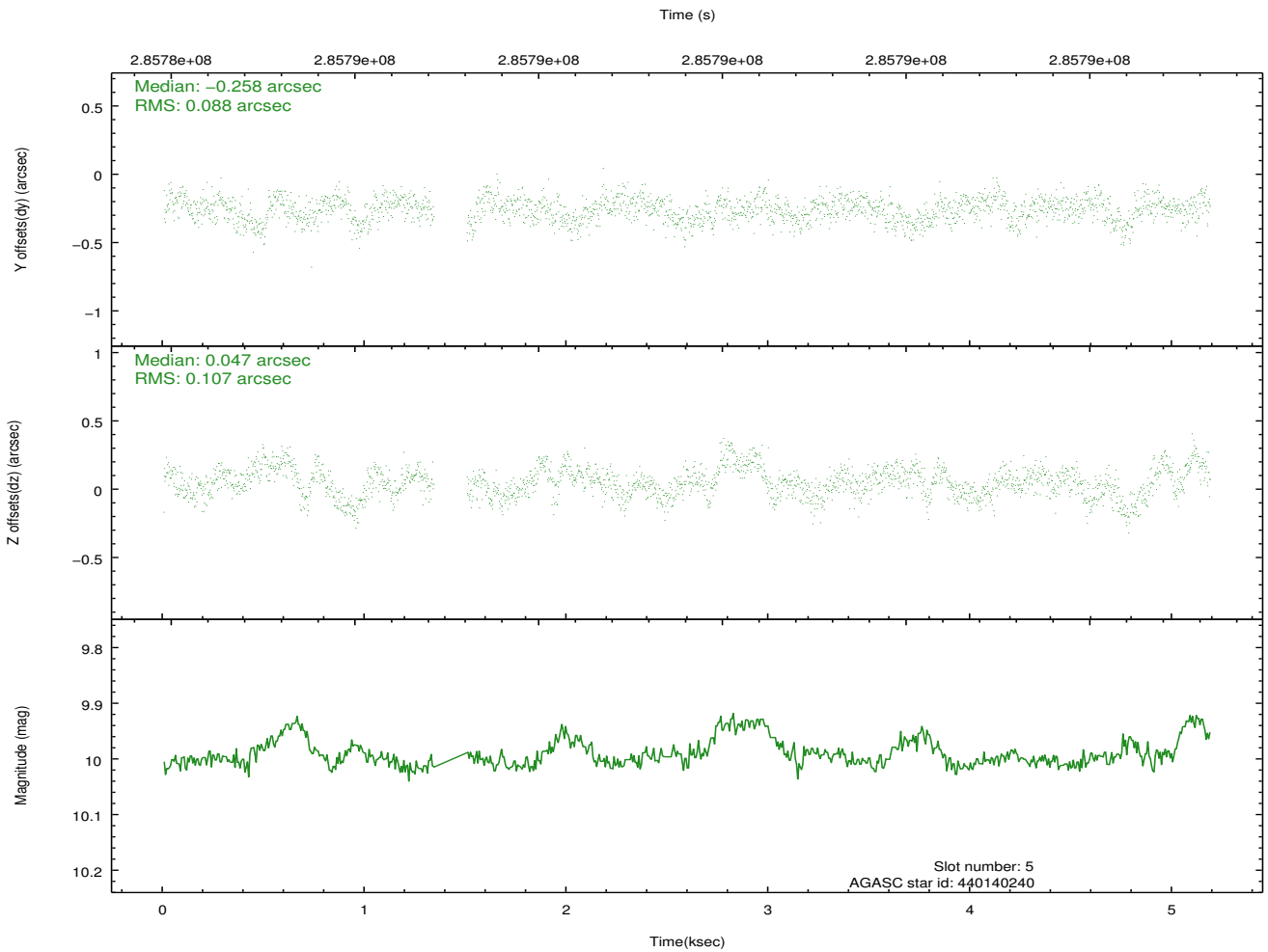
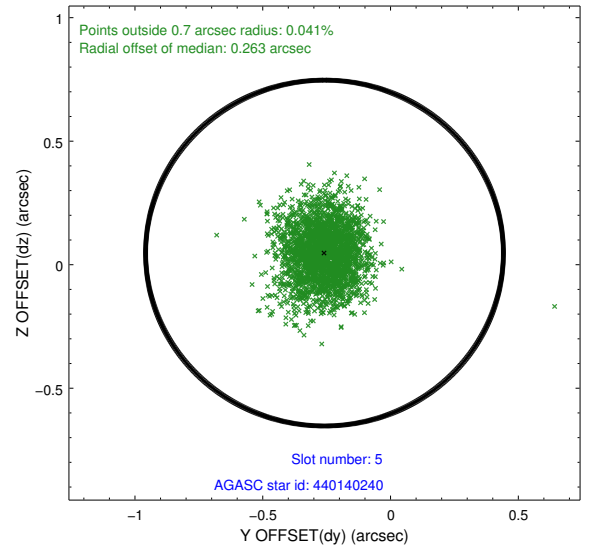
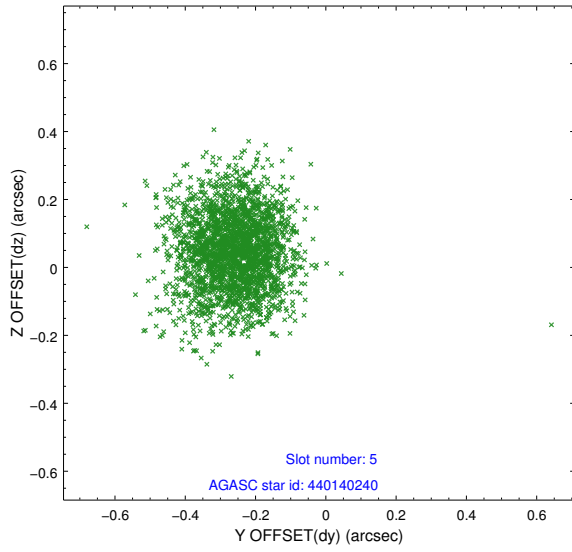
### 2.4.1 Slot 3



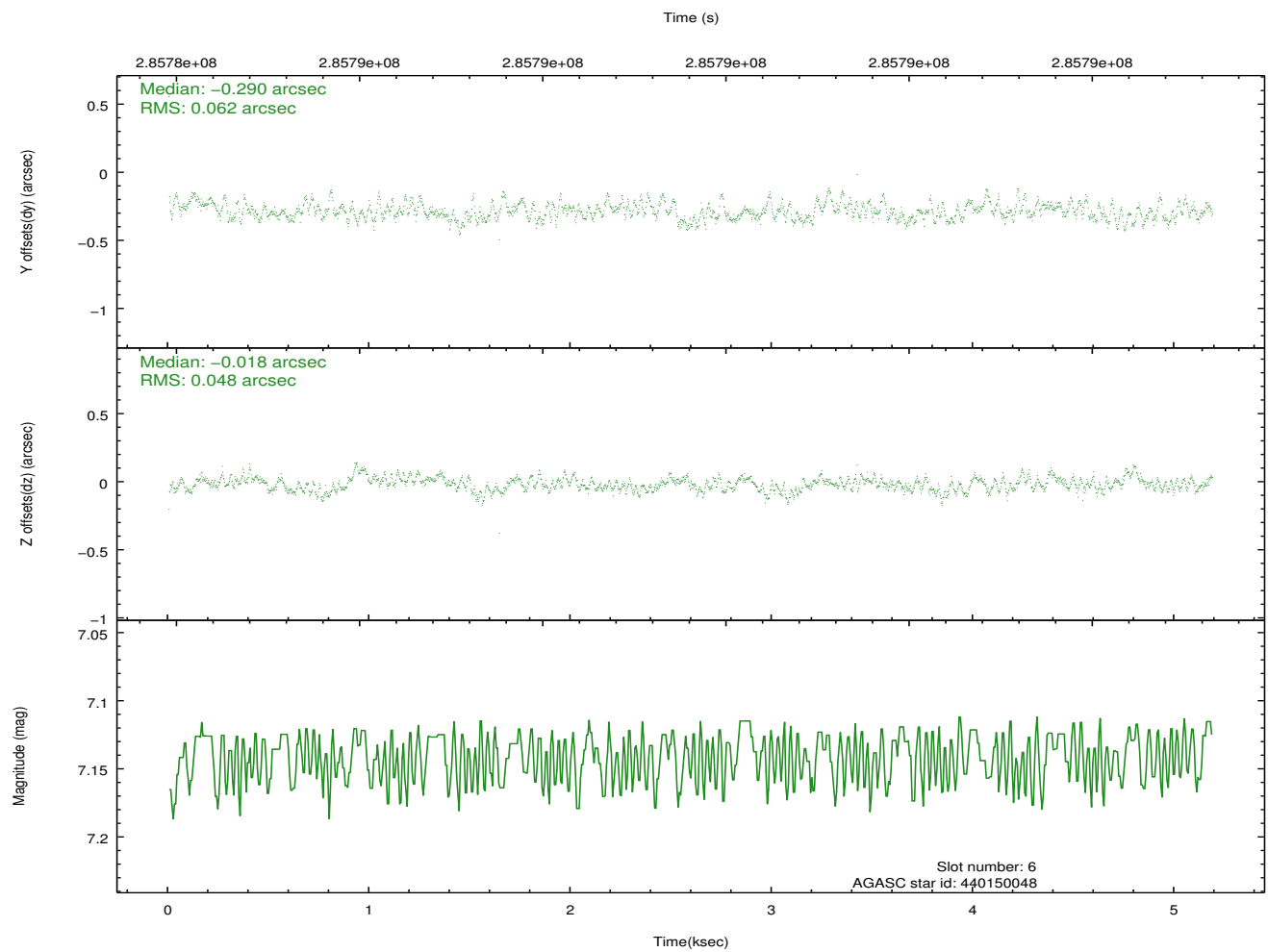
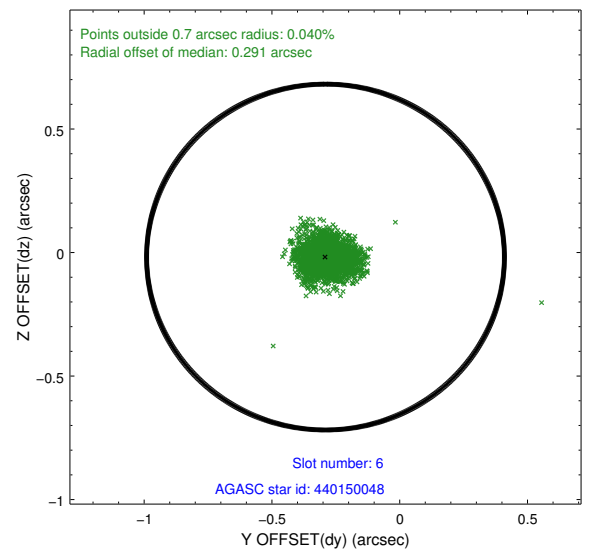
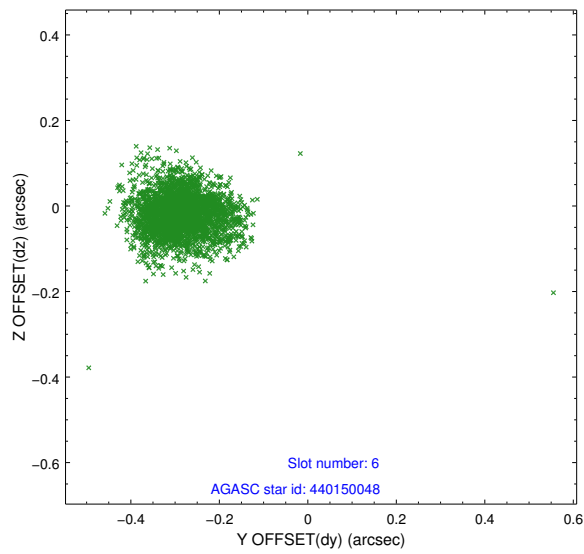
### 2.4.2 Slot 4



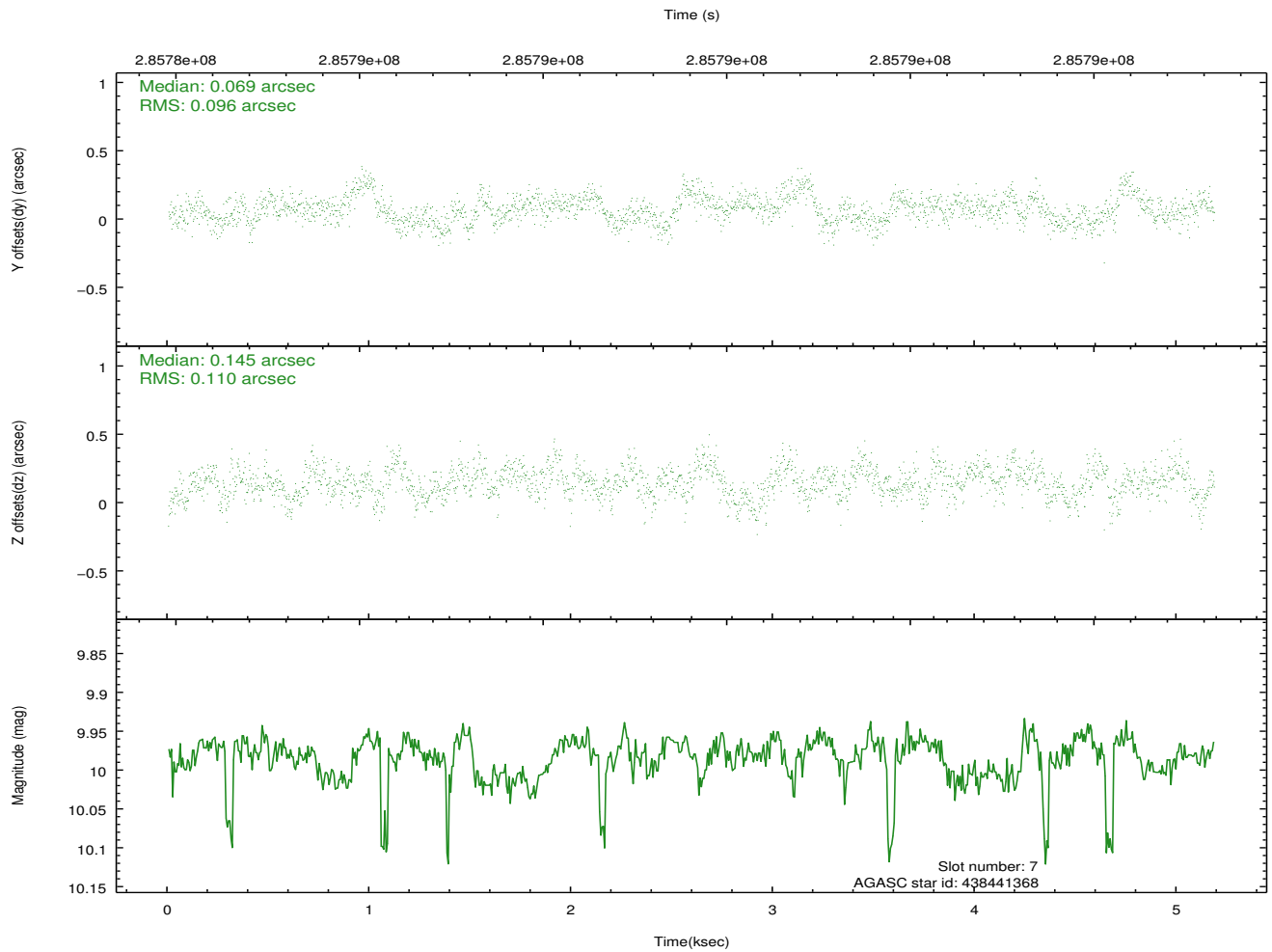
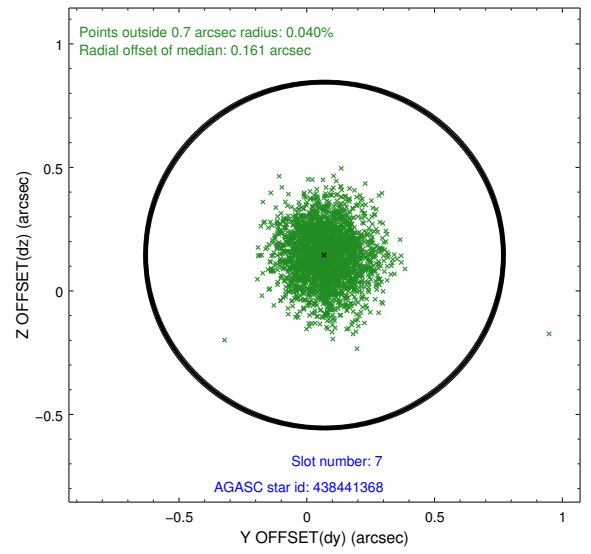
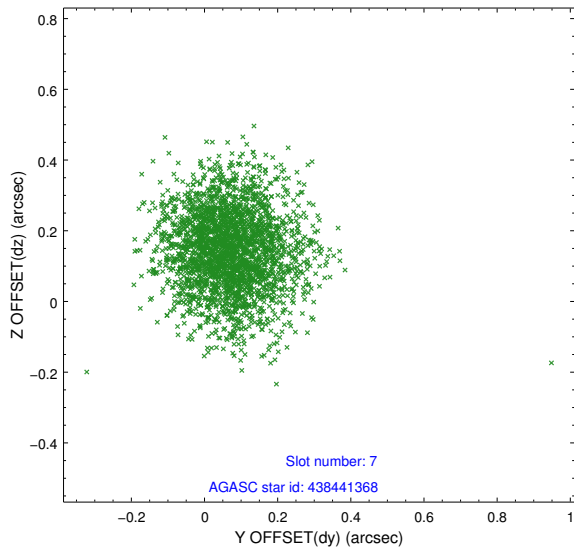
### 2.4.3 Slot 5



## 2.4.4 Slot 6

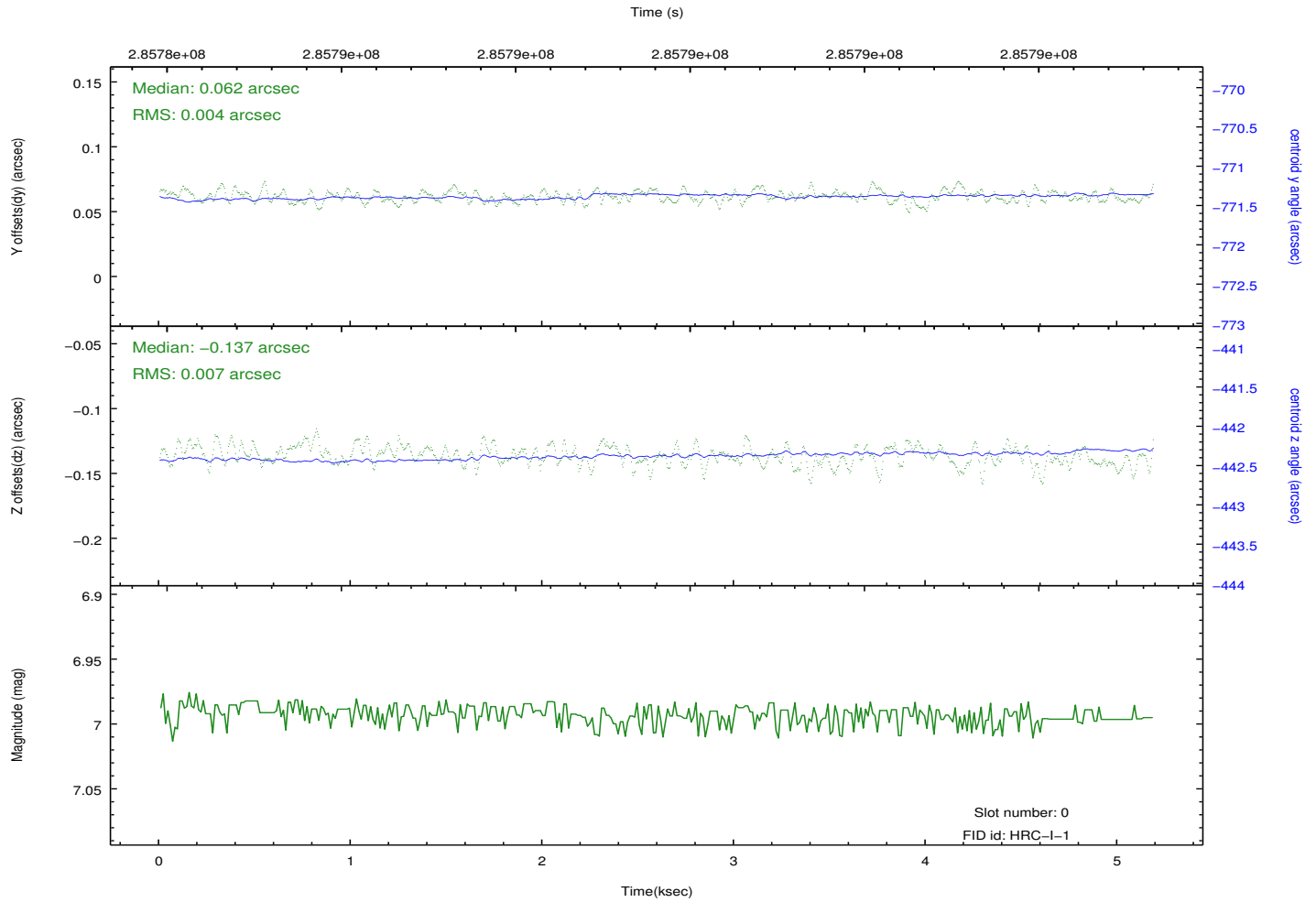
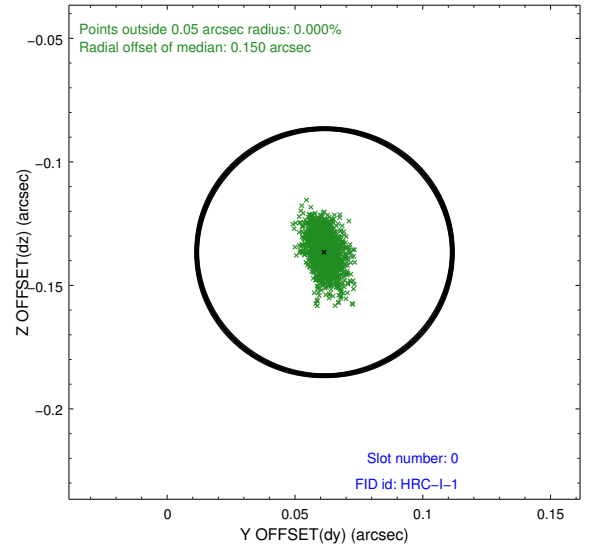
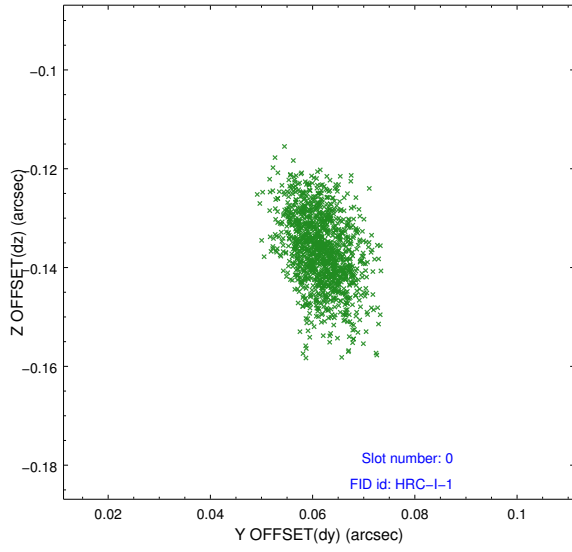


### 2.4.5 Slot 7

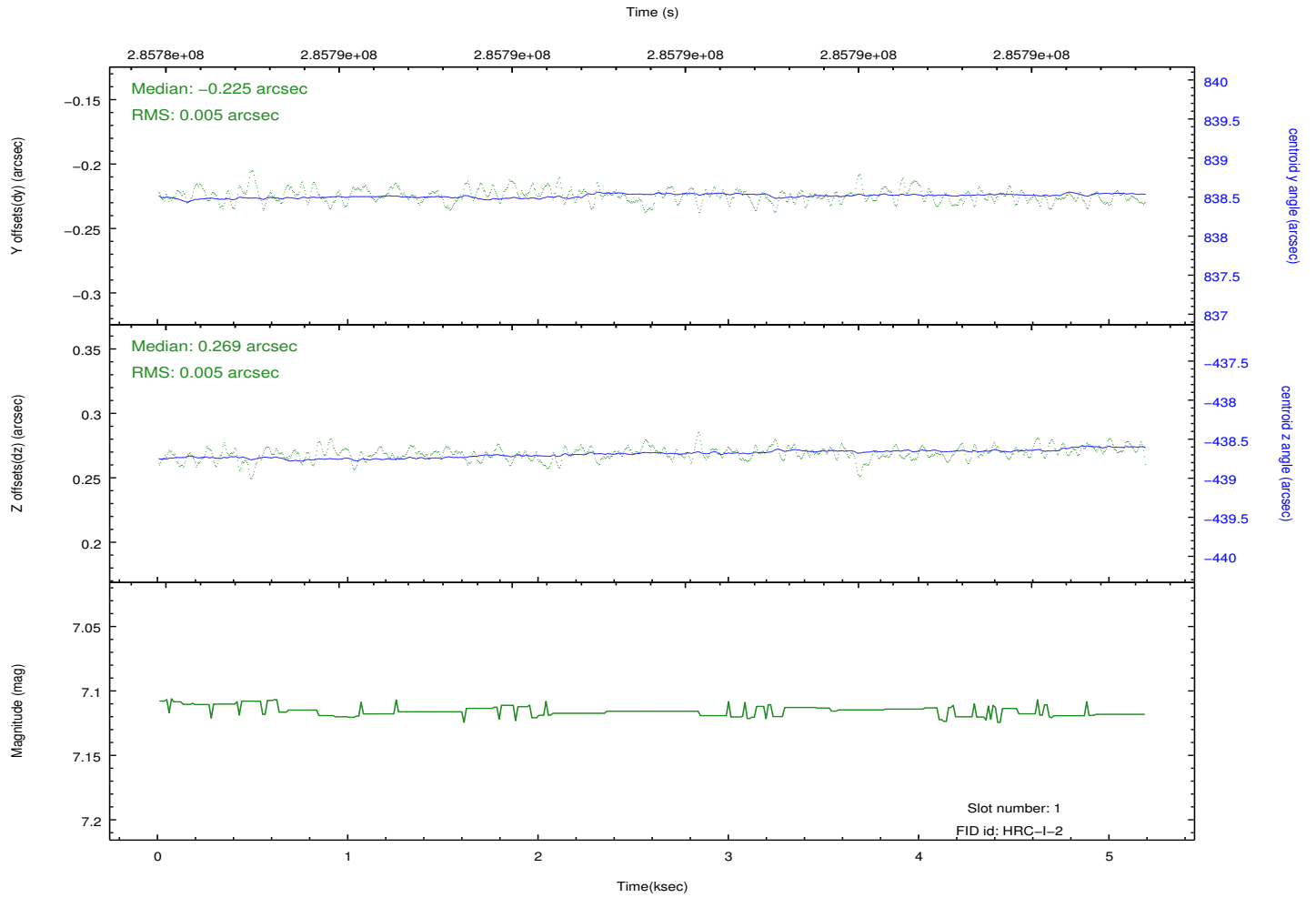
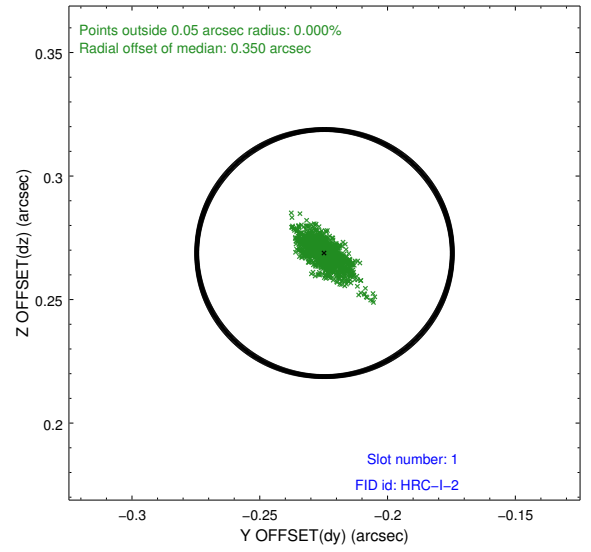
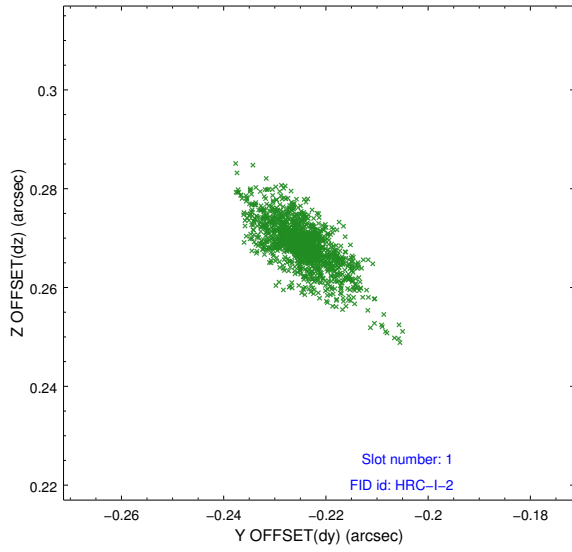


## 2.5 FID Slots

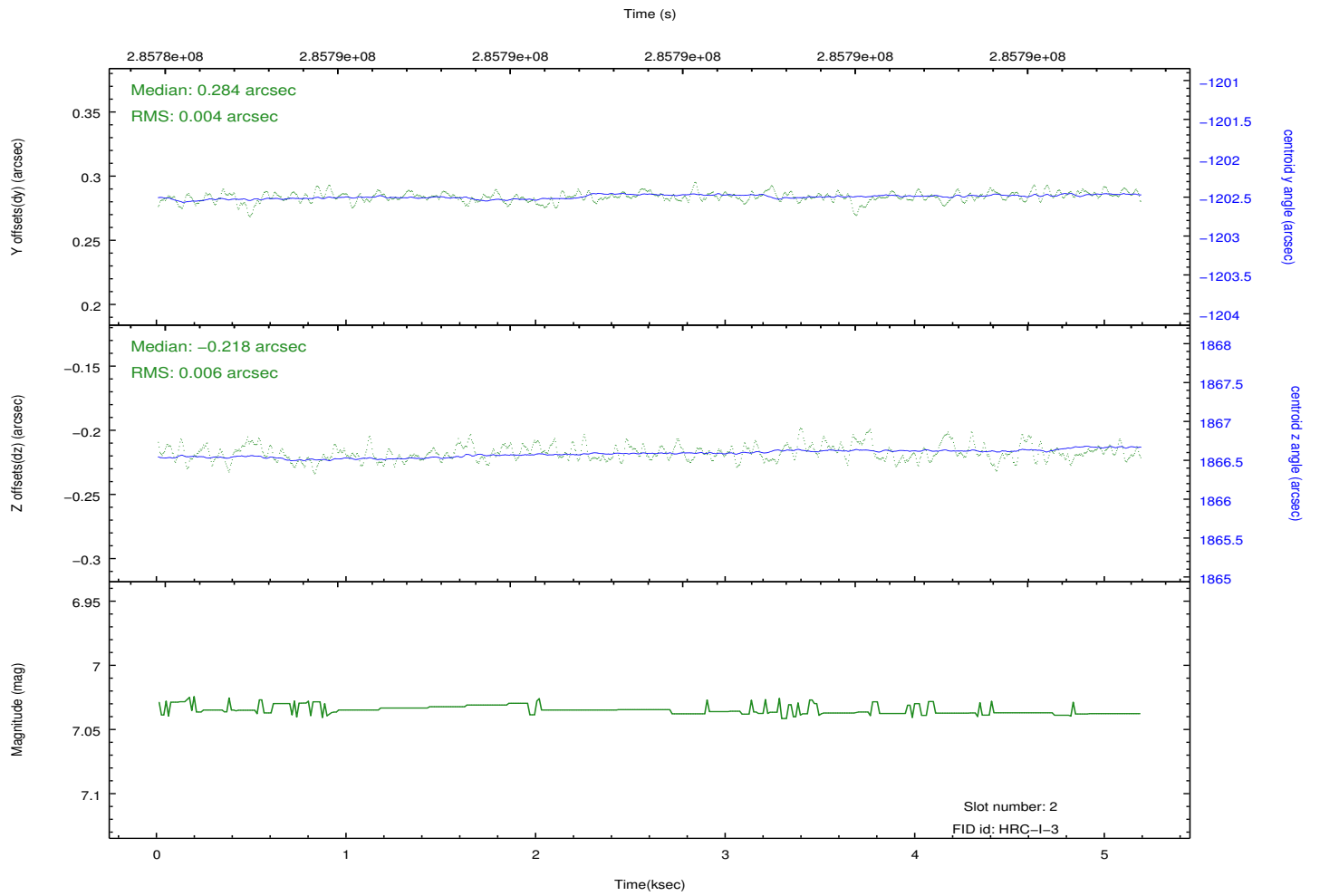
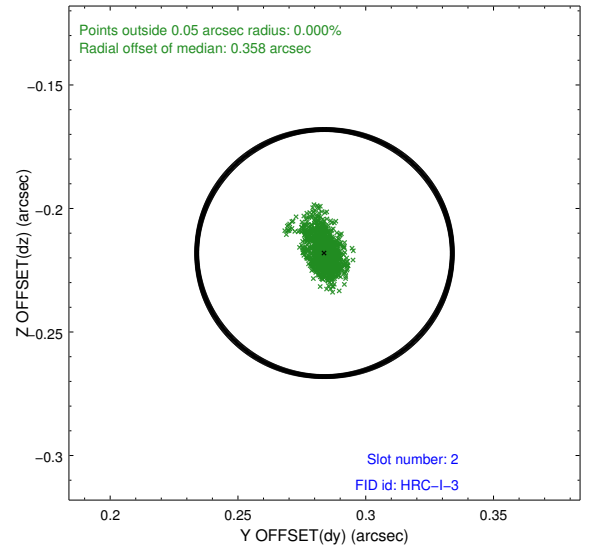
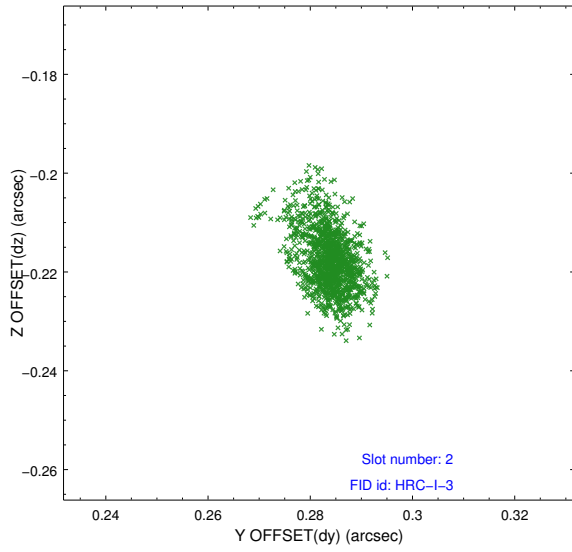
### 2.5.1 Slot 0



## 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)	2012.08.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.18368149

## A.2 Comments