

# V&V Reference Report

## L2 ASCDS Version : 8.5

Observation 5068 - L2 Version 4  
Chandra X-Ray Center

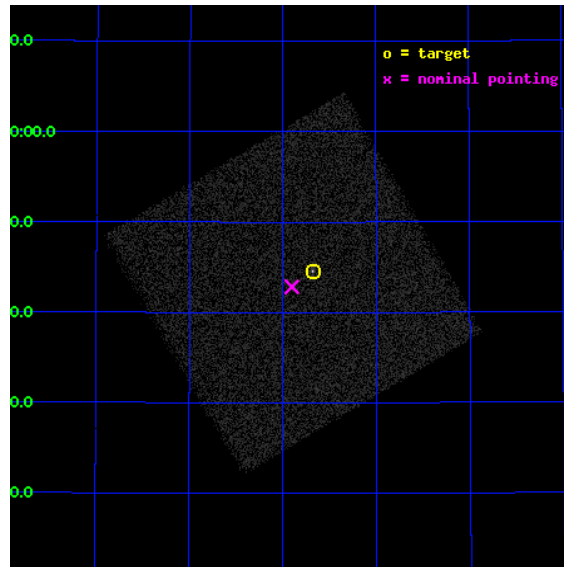
L2 Processing Date : Dec 11 2012

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# 1 Front

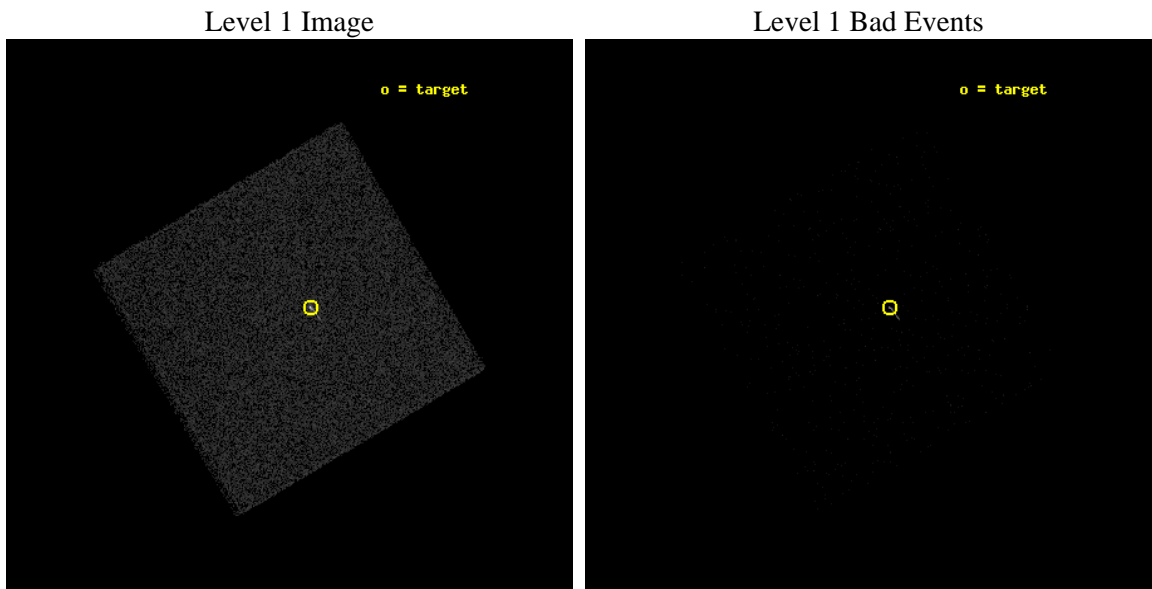
seq_num	290341	Sequence number
obs_id	5068	Observation id
title	AO5 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.2257962113	Nominal RA [deg]
dec_nom	45.713996593766	Nominal Dec [deg]
roll_nom	284.46886112592	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1081.3750485778	[s]
livetime	1073.568154734	Ontime multiplied by DTCOR
l2events	43775	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	900.000000	[s] Scheduled observation exposure time
ascdsver	8.5	Processing system revision	ontime	1081.3750485778	[s]
caldsver	4.5.4	&#160	l1events	82423	Number of level 1 events
date	2012-12-11T23:41:45	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

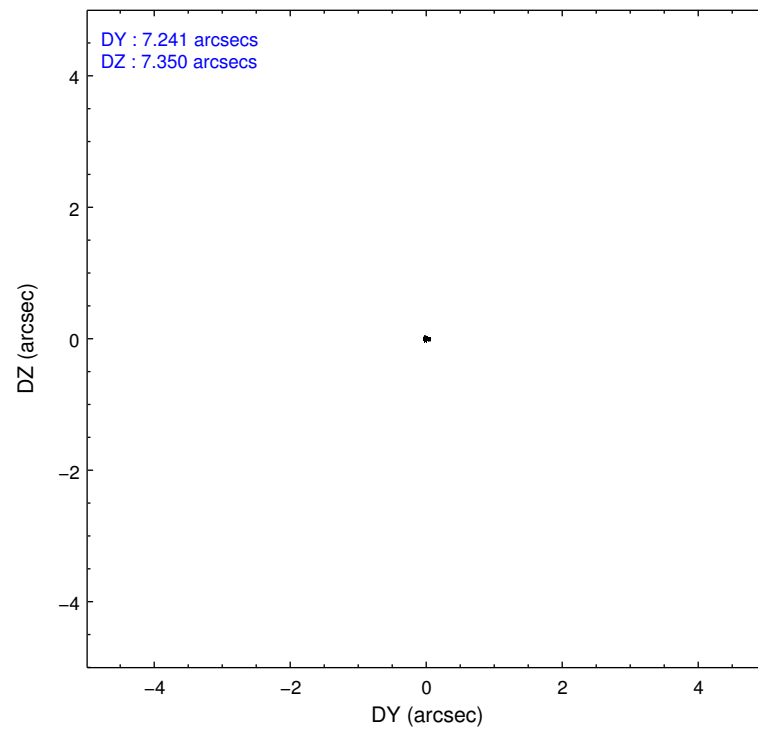
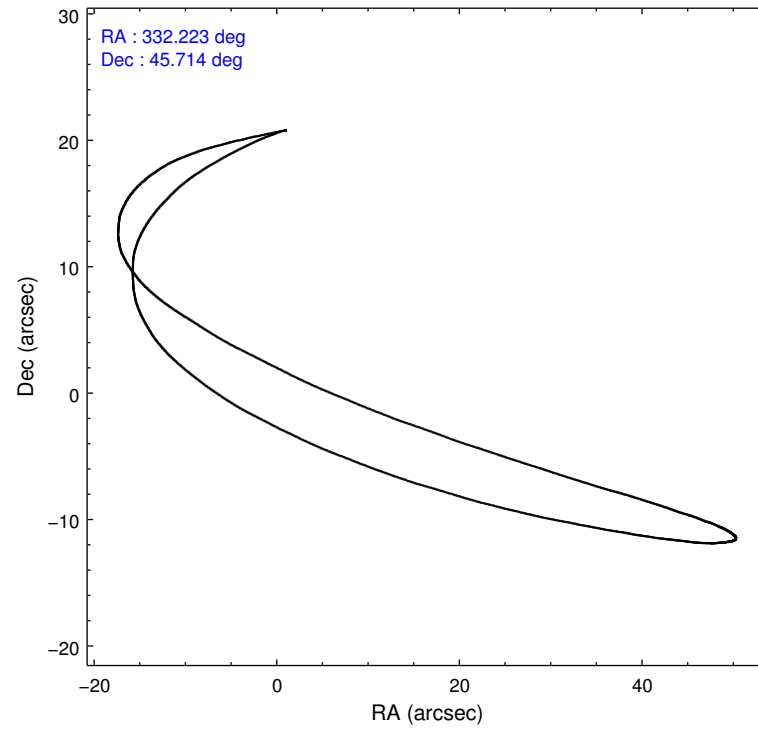
#### Level 1 Events

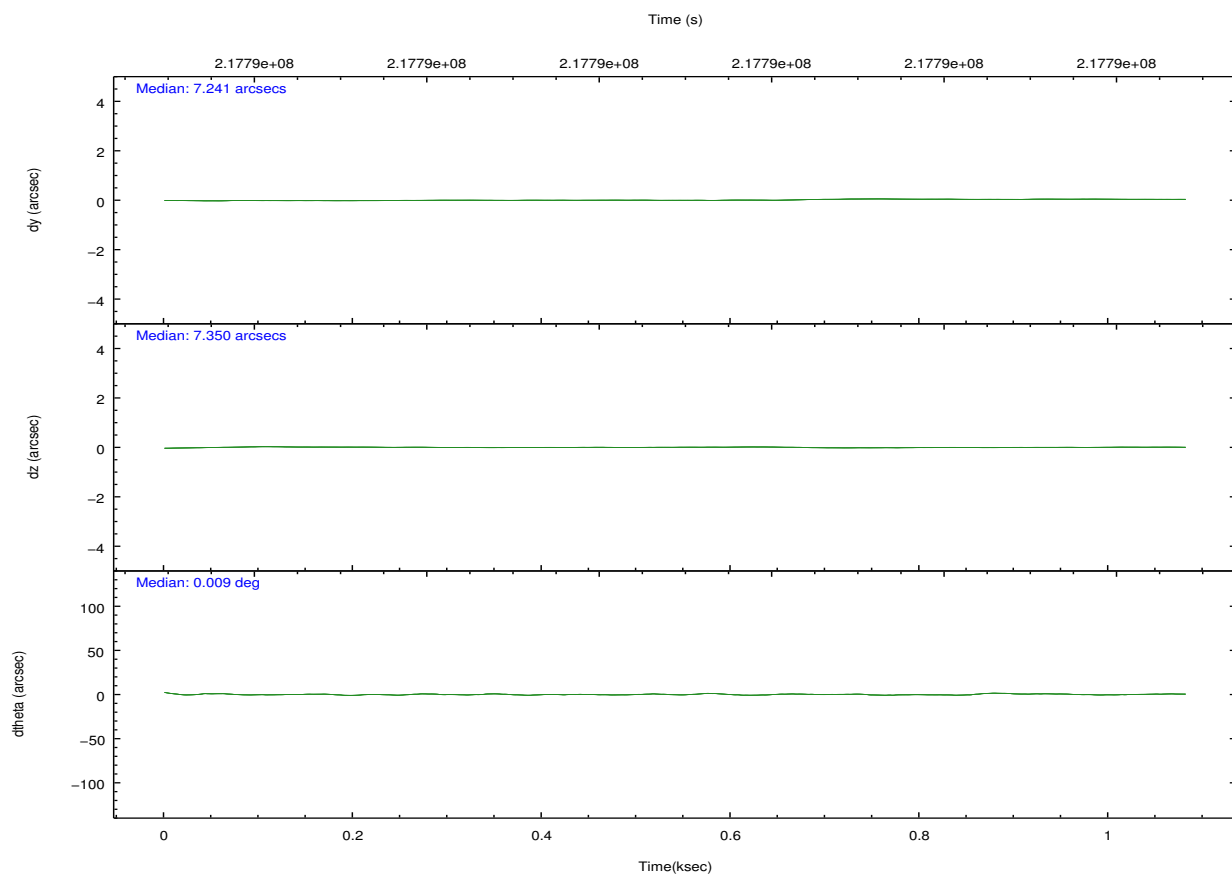
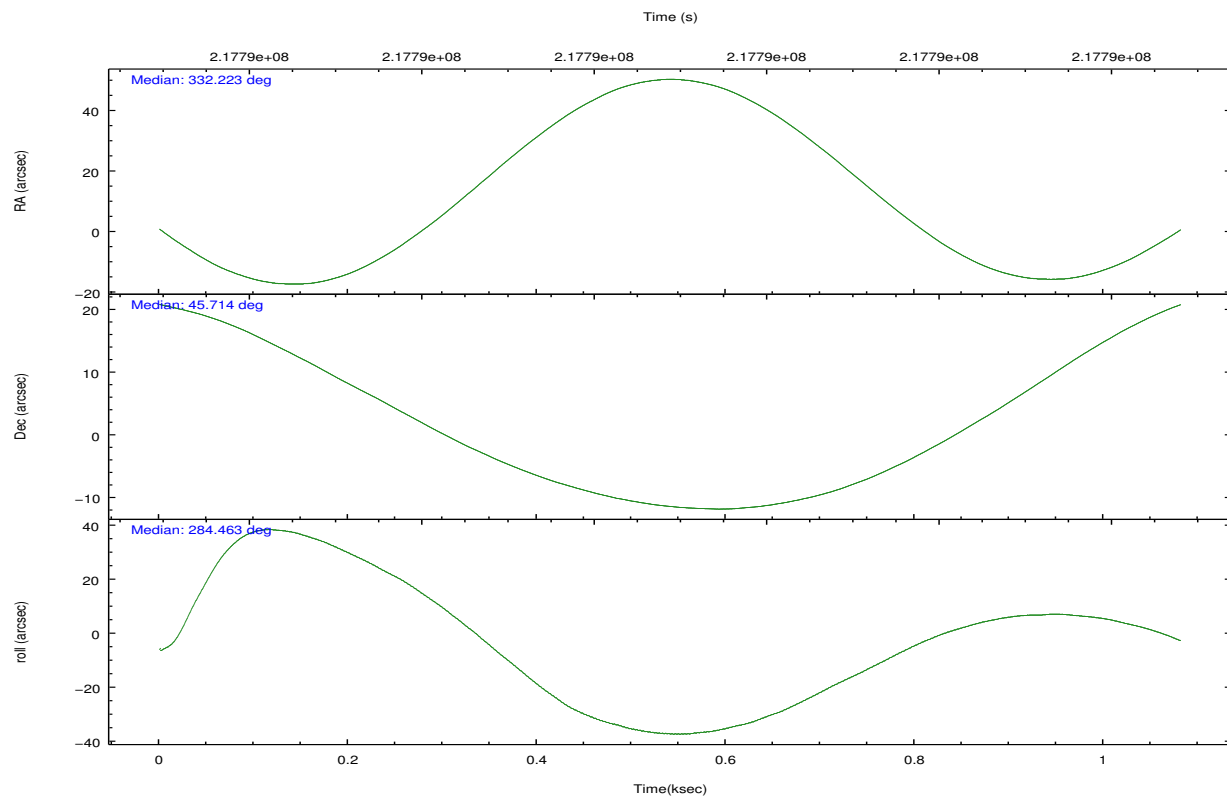
	<b>segment 0</b>
level 1 events	82423
rejected events	19053
rejected %	23%

## 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	332.199554	332.2257962113032			
[deg] Pointing Dec	45.733203	45.71399659376607			
[deg] Pointing Roll	284.583140	284.4688611259248			
[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)	217785927.184000	217785550.90821			
Observation start date	2004-11-25T16:04:23	2004-11-25T15:59:10			
[s] Observation end time (MET)	217786827.184000	217786961.30828			
Observation end date	2004-11-25T16:19:23	2004-11-25T16:22:41			

## 2.3 Aspect





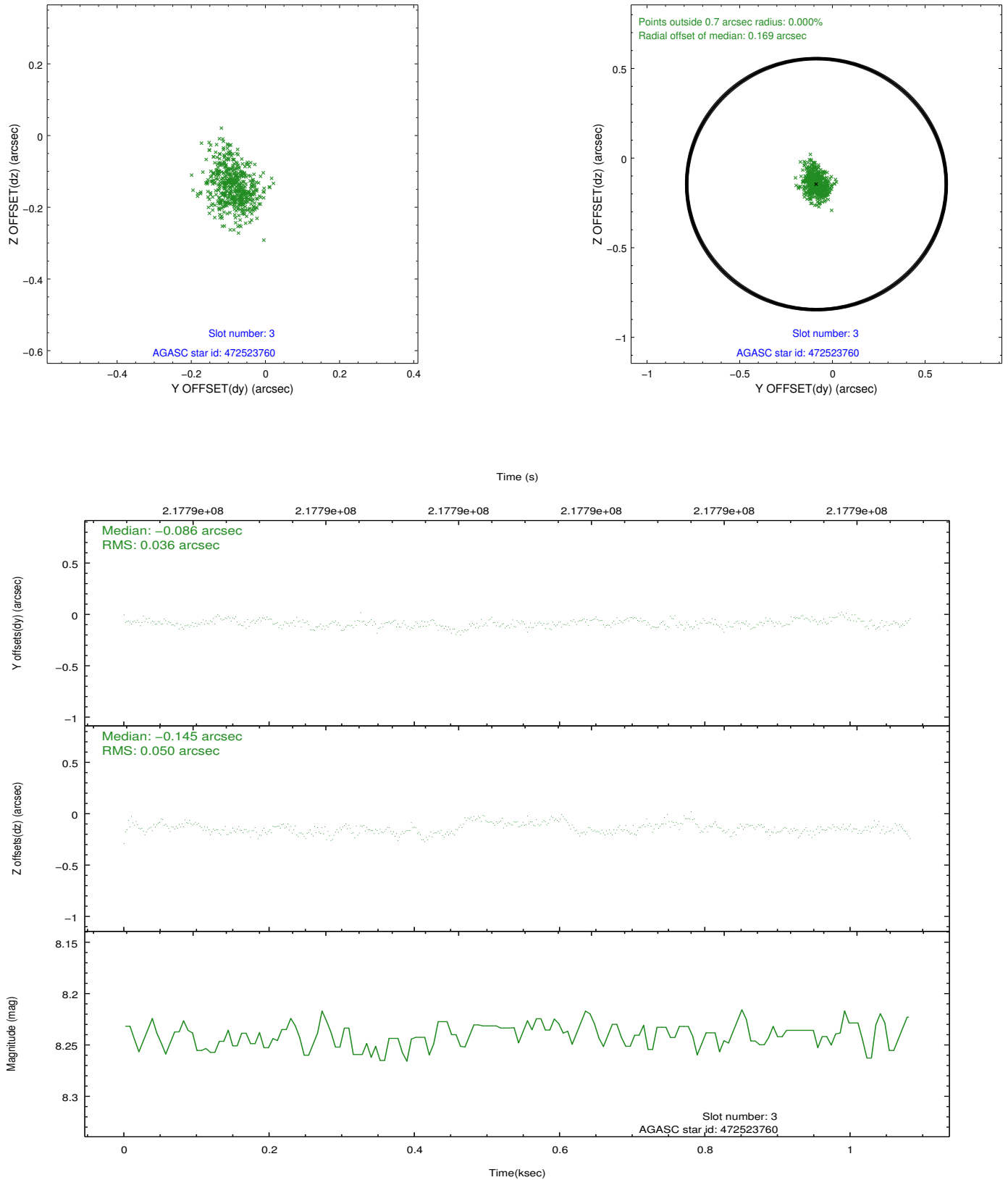
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.02	264	0.008	0.023	0.008	0.013	0.000000	0.000000	-762.84	-1295.23
1	FID	HRC-I-2	7.05	264	0.128	-0.106	0.006	0.011	0.000000	0.000000	847.02	-1301.85
2	FID	HRC-I-3	7.10	264	-0.018	-0.006	0.007	0.012	0.000000	0.000000	-1188.13	1004.38
3	GUIDE	472523760	8.24	529	-0.086	-0.145	0.065	0.109	331.645363	45.403260	792.69	-1649.32
4	GUIDE	472527720	7.02	529	0.051	-0.058	0.092	0.139	331.460205	45.112509	1683.51	-2377.05
5	GUIDE	472654568	9.44	529	0.121	0.039	0.112	0.185	332.194449	45.063576	2333.49	-619.44
6	GUIDE	472655152	9.42	529	-0.028	0.086	0.119	0.196	332.504239	45.862991	-256.56	860.42
7	GUIDE	472659832	9.46	528	-0.069	0.078	0.099	0.161	332.780399	46.098139	-911.91	1741.25

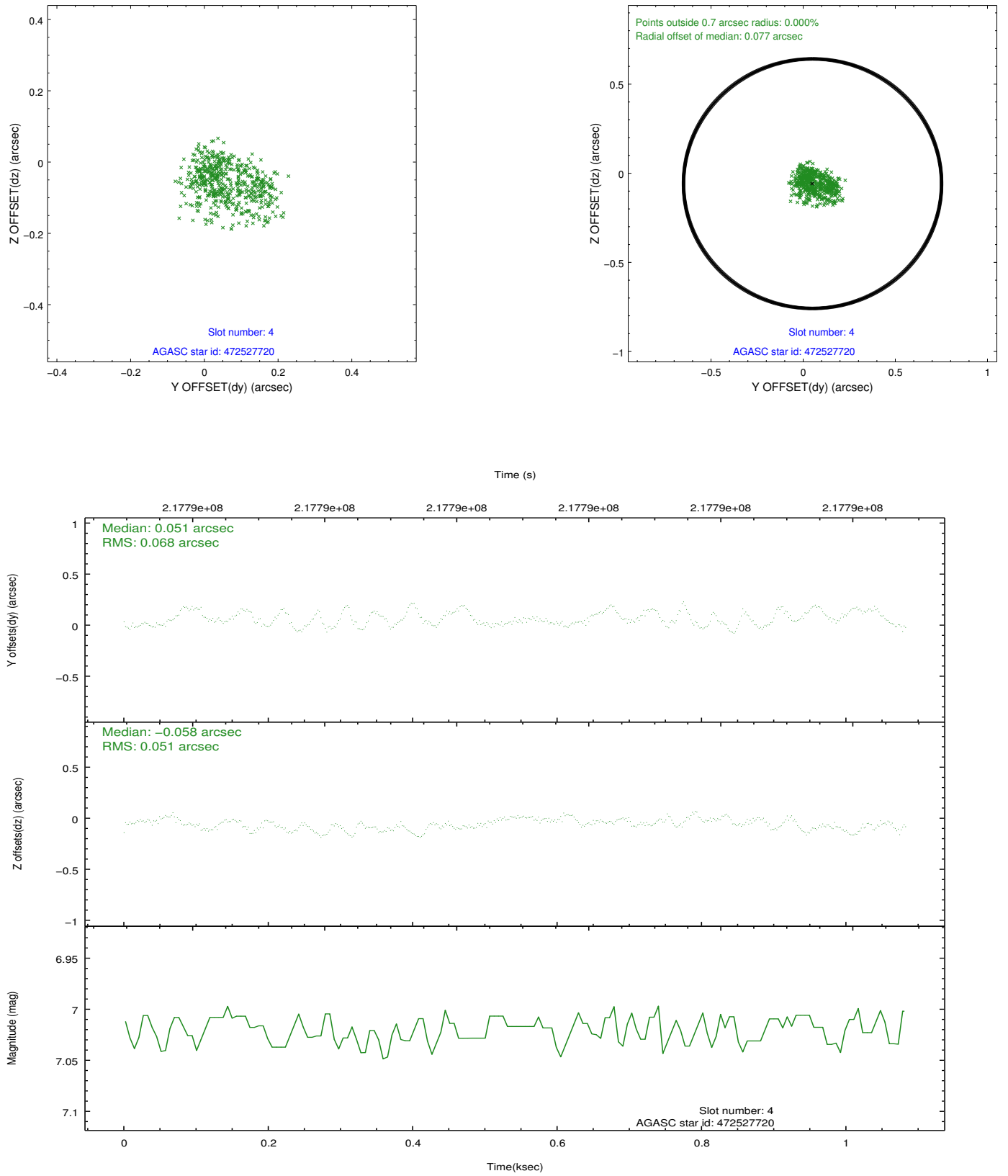


## 2.4 Star Slots

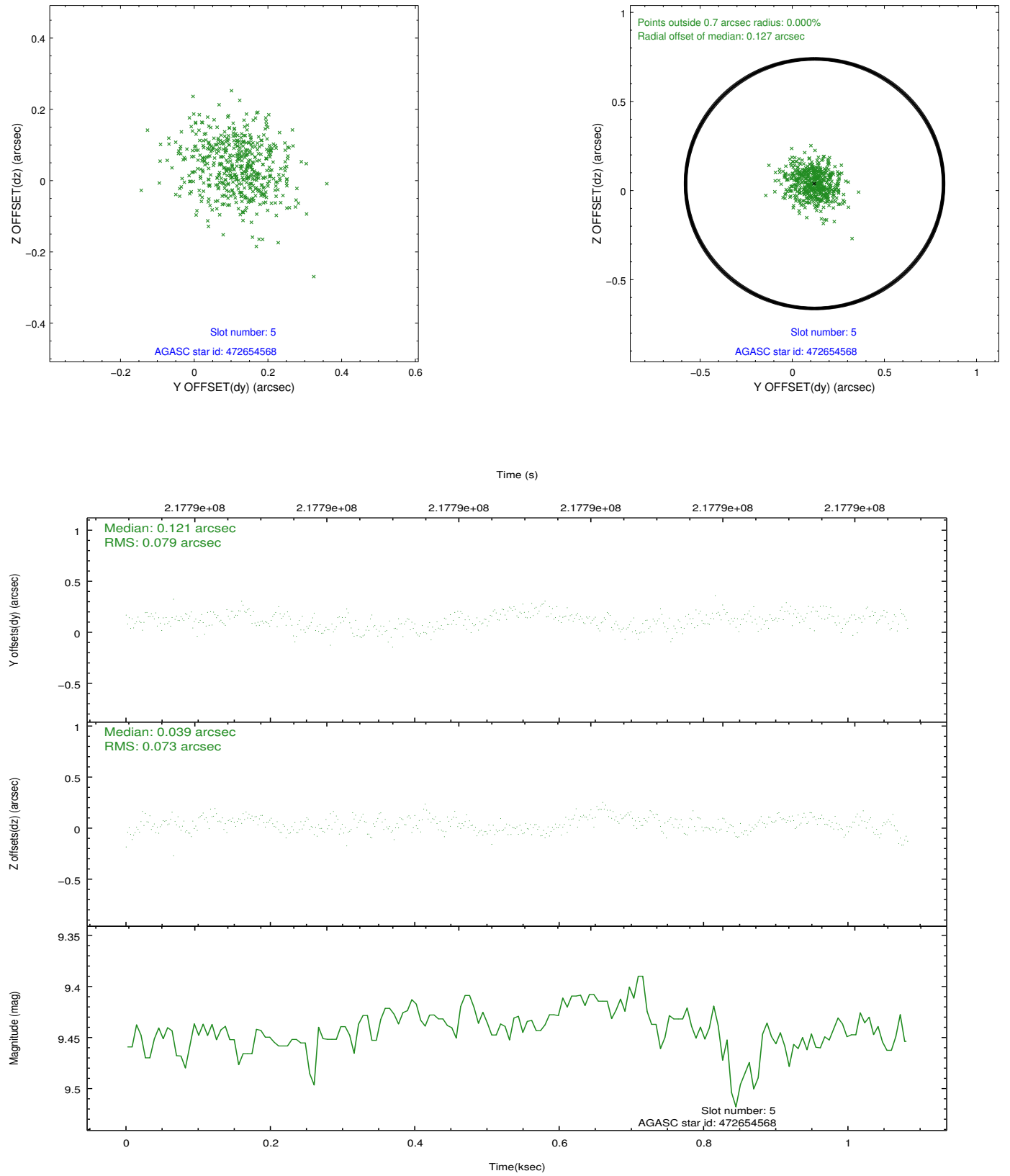
### 2.4.1 Slot 3



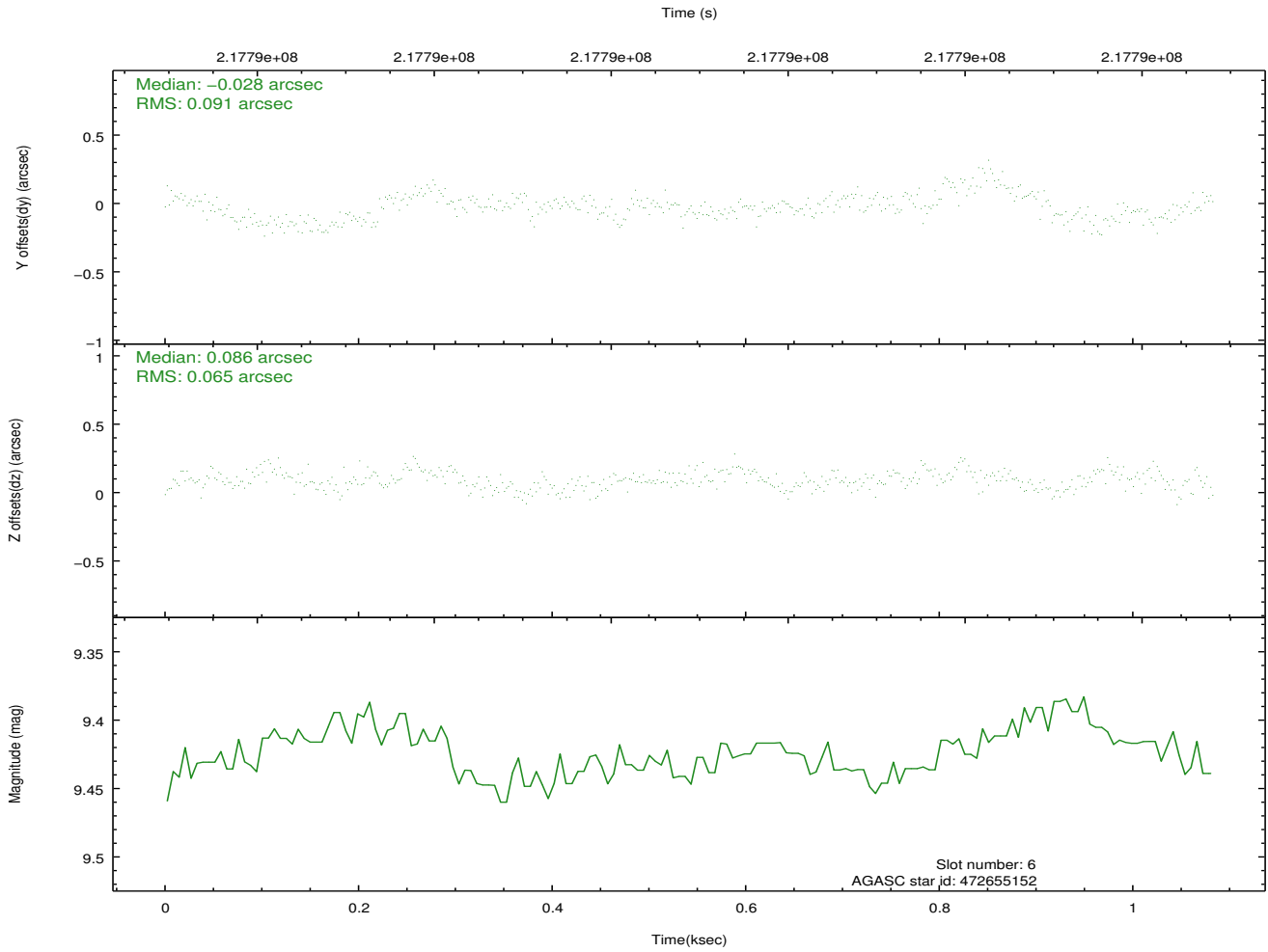
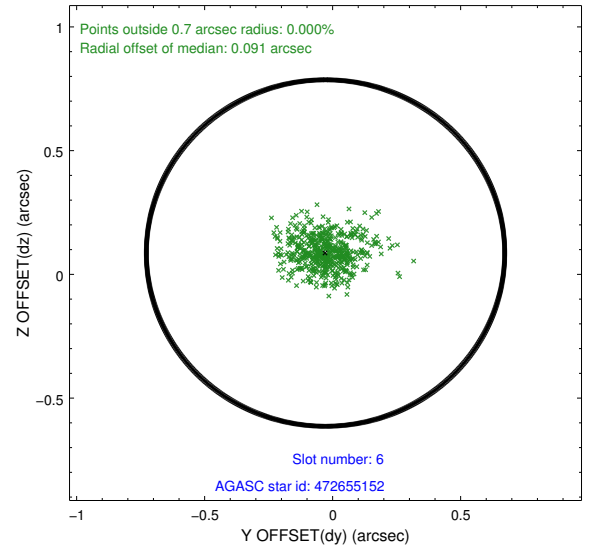
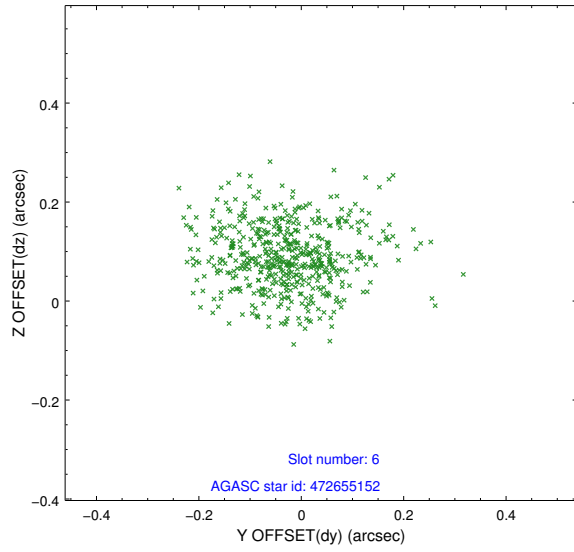
## 2.4.2 Slot 4



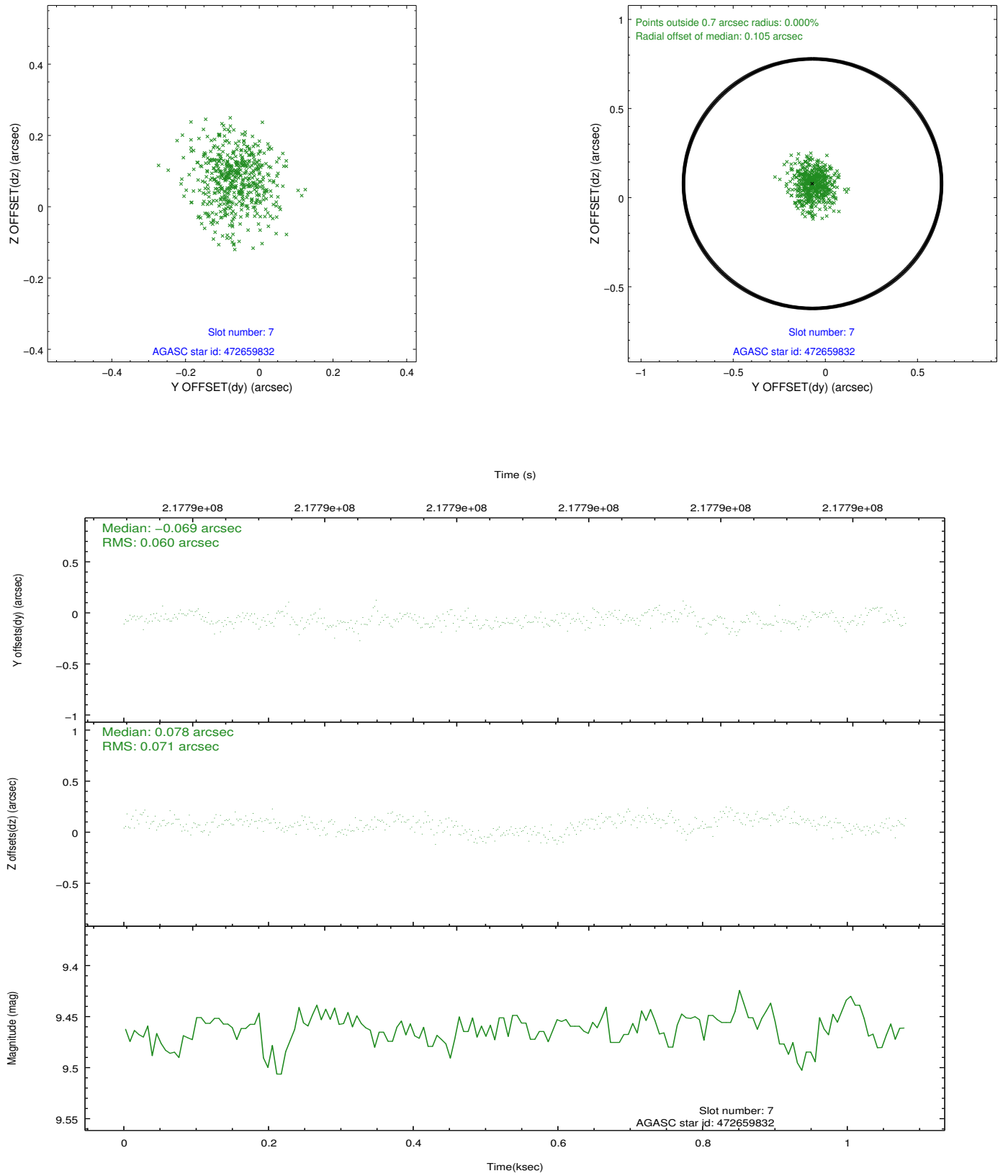
### 2.4.3 Slot 5



## 2.4.4 Slot 6

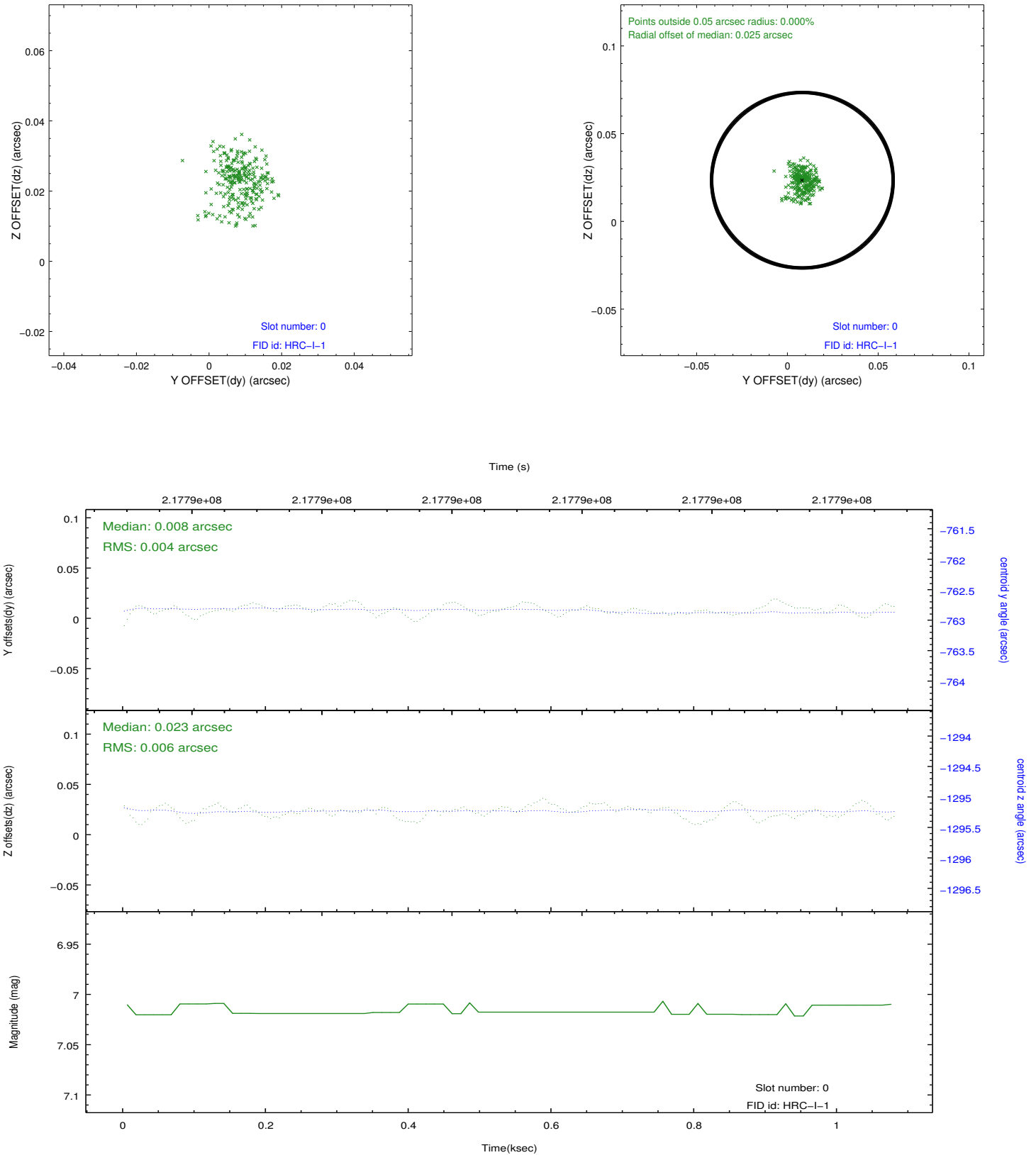


### 2.4.5 Slot 7

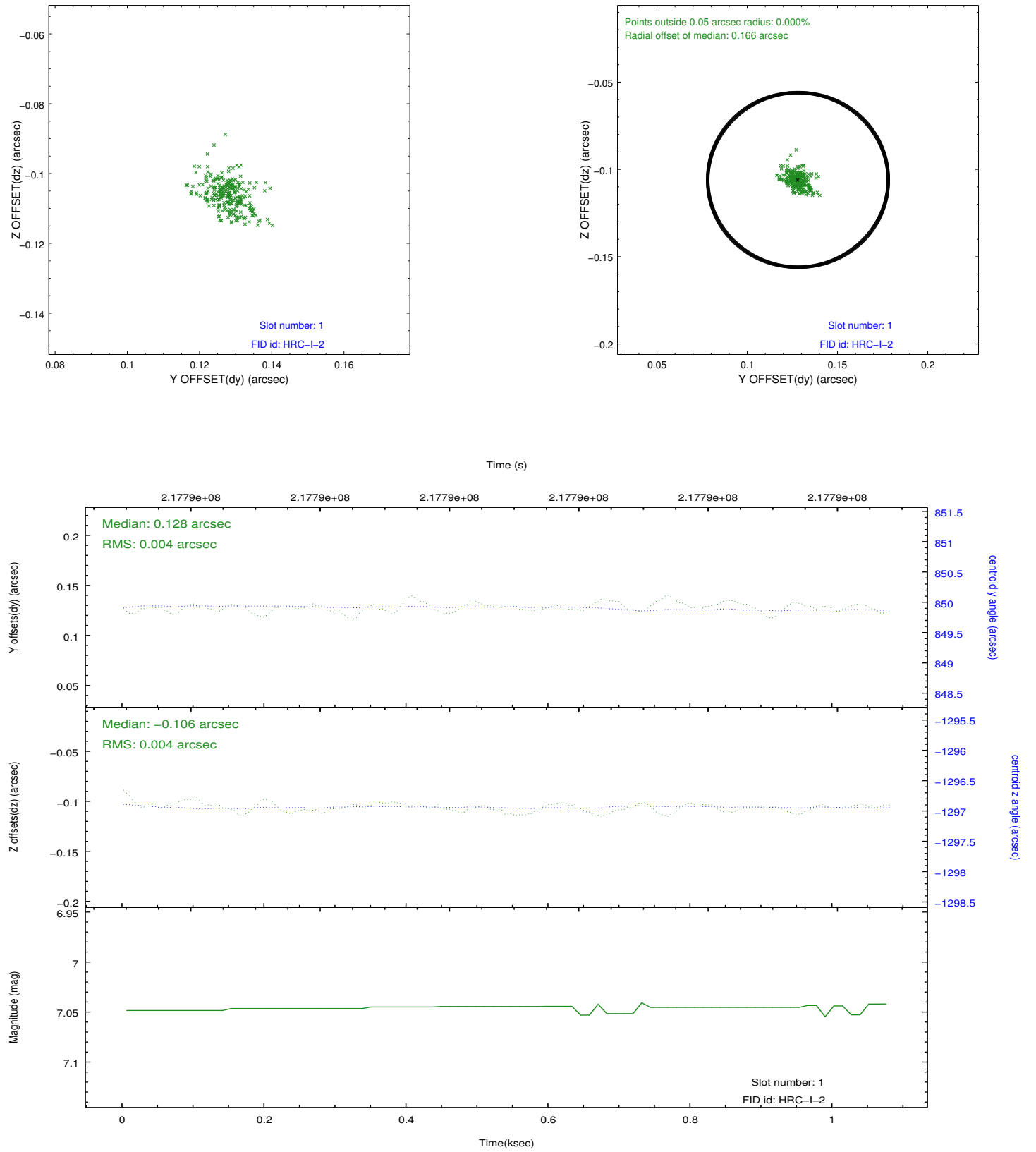


## 2.5 FID Slots

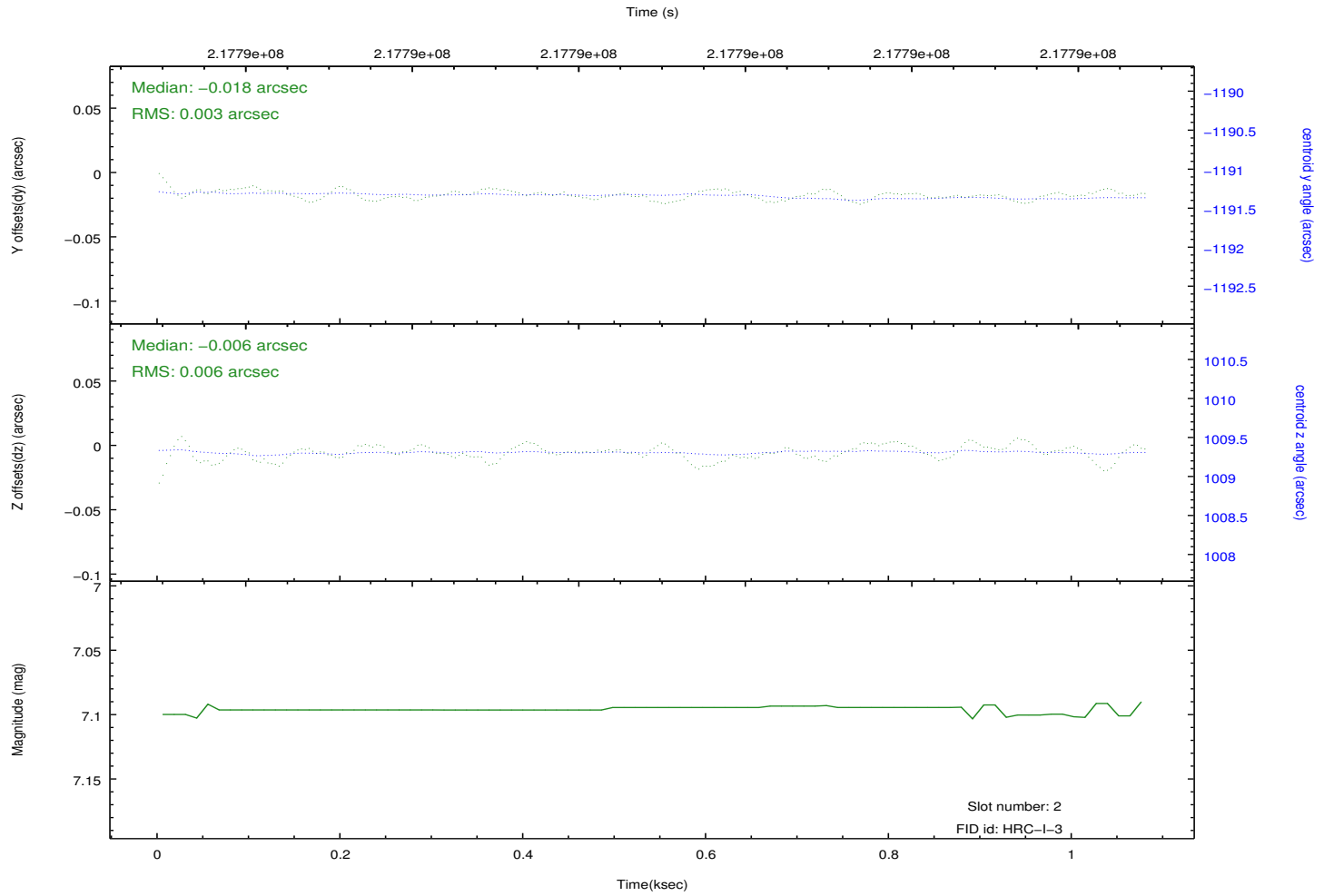
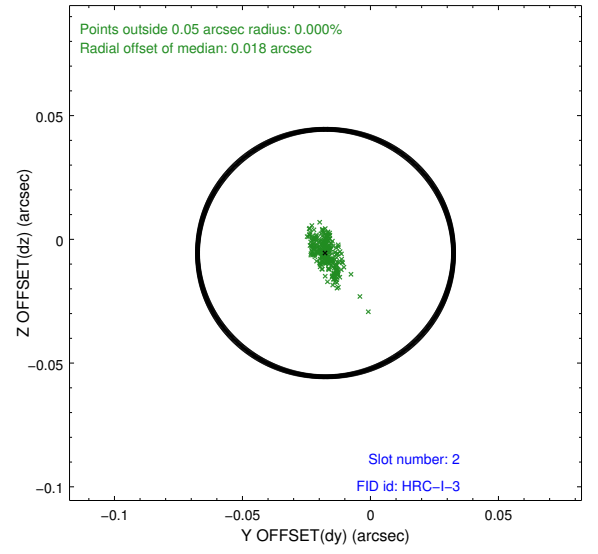
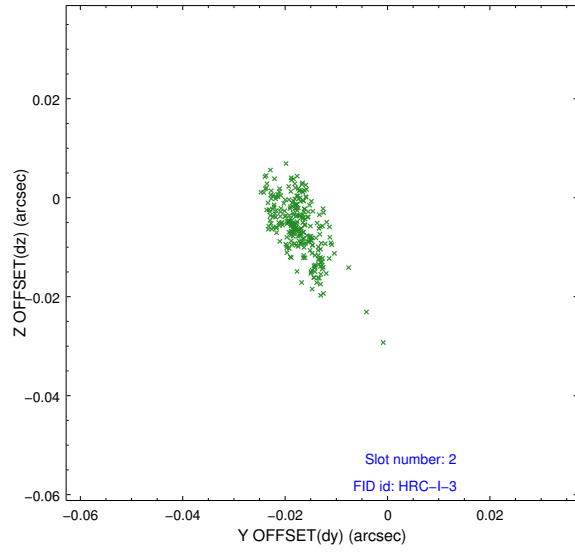
### 2.5.1 Slot 0



## 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)	2012.12.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.081631

### A.2 Comments