

# V&V Reference Report

## L2 ASCDS Version : 8.5

Observation 5064 - L2 Version 4  
Chandra X-Ray Center

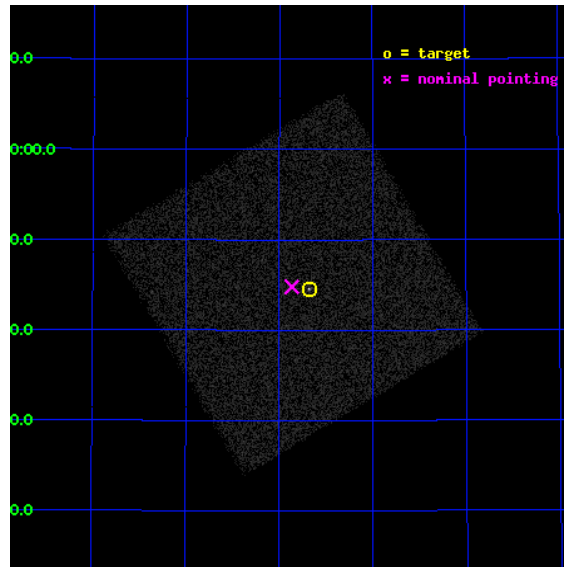
L2 Processing Date : Dec 11 2012

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# 1 Front

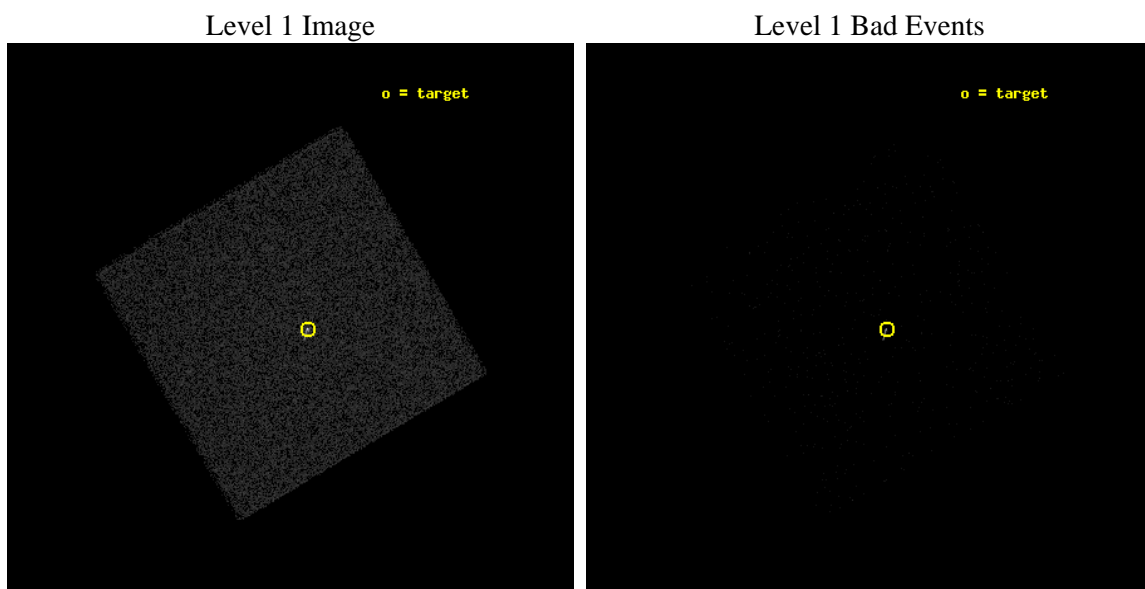
seq_num	290337	Sequence number
obs_id	5064	Observation id
title	AO5 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.21628100917	Nominal RA [deg]
dec_nom	45.746679825002	Nominal Dec [deg]
roll_nom	284.40734343345	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1079.3250485063	[s]
liveltime	1071.5416609381	Ontime multiplied by DTCOR
l2events	43830	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	1079.3250485063	[s]
caldbver	4.5.4	&#160	l1events	82543	Number of level 1 events
date	2012-12-11T23:41:12	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

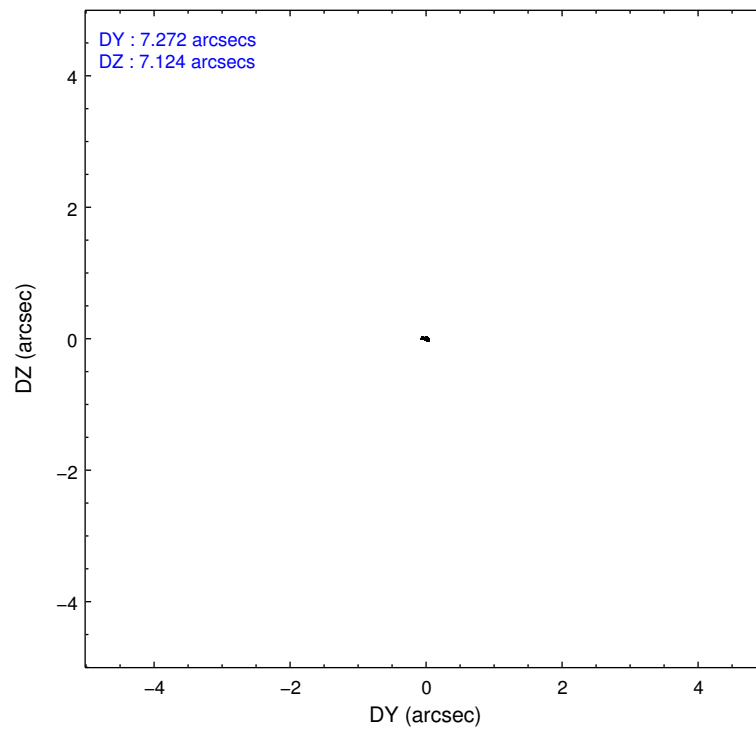
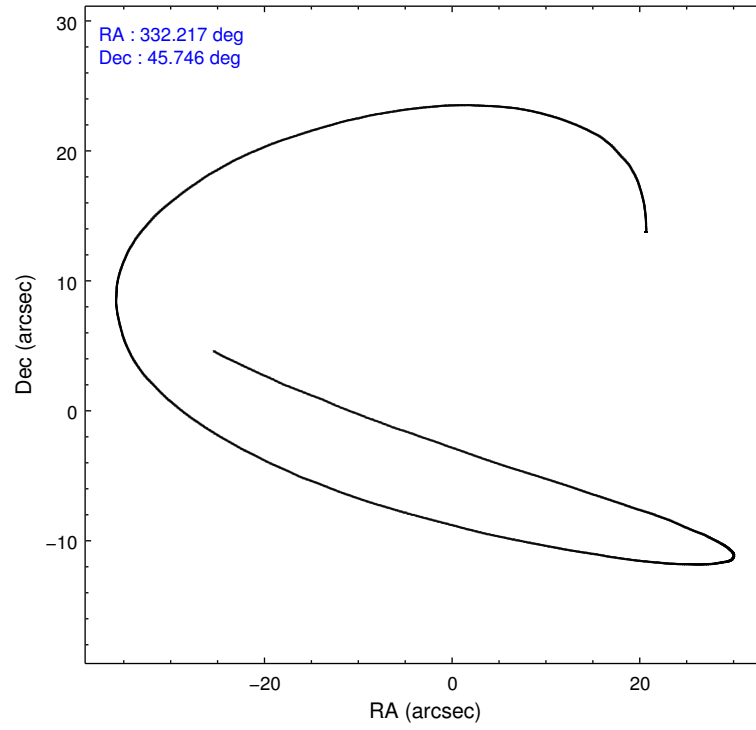
	<b>segment 0</b>
level 1 events	82543
rejected events	19323
rejected %	23%

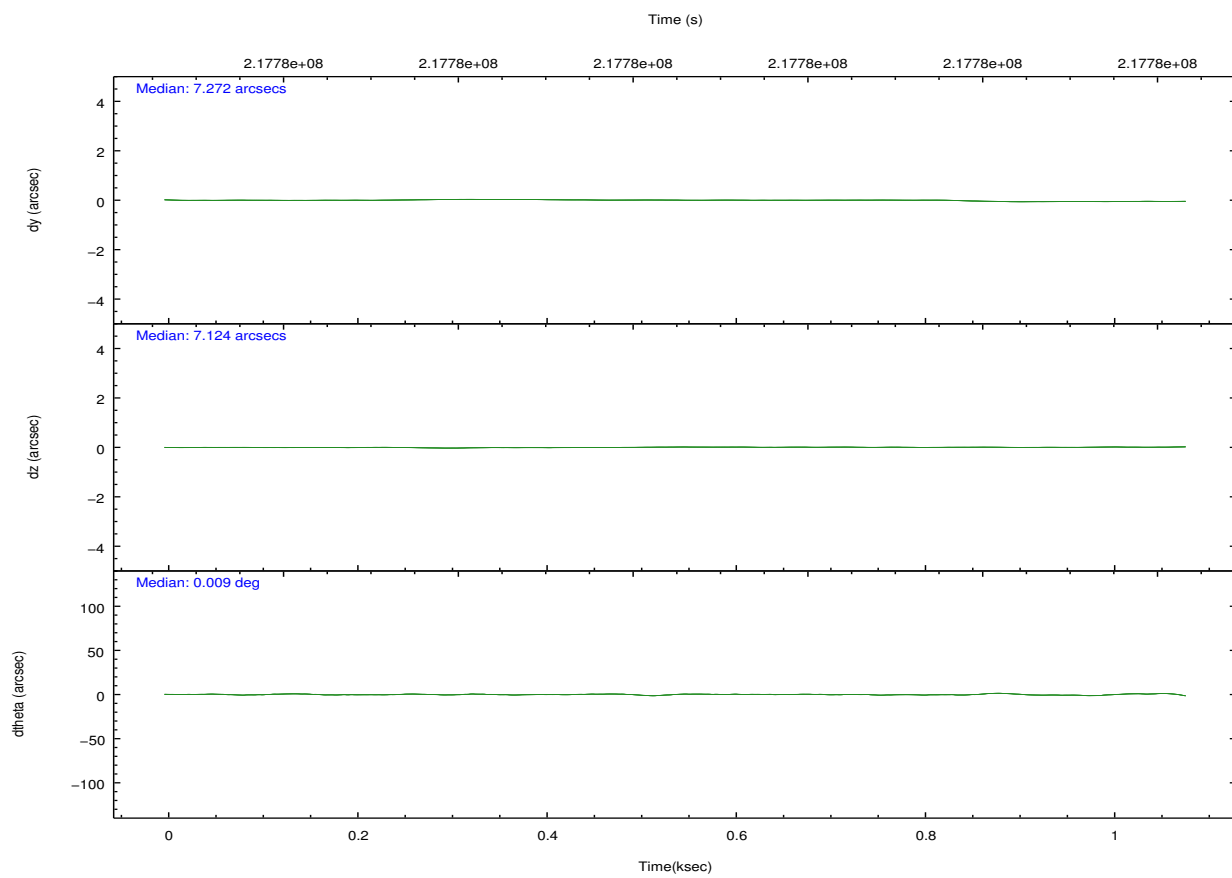
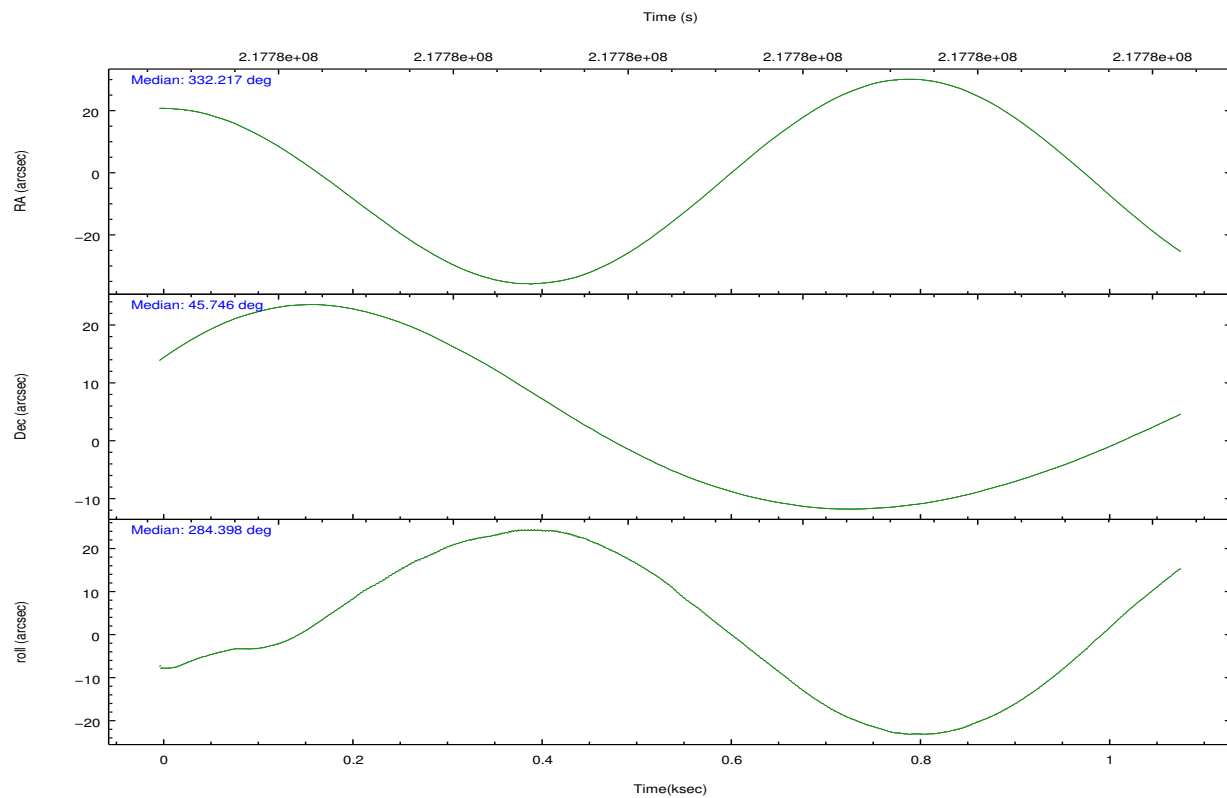
## 2.2 Compared Parameters

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	332.187562	332.2162810091704
[deg] Pointing Dec	45.765451	45.74667982500209
[deg] Pointing Roll	284.523350	284.4073434334457
[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)	217780287.184000	217779911.35796
Observation start date	2004-11-25T14:30:23	2004-11-25T14:25:11
[s] Observation end time (MET)	217781187.184000	217781320.73302
Observation end date	2004-11-25T14:45:23	2004-11-25T14:48:40

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

## 2.3 Aspect





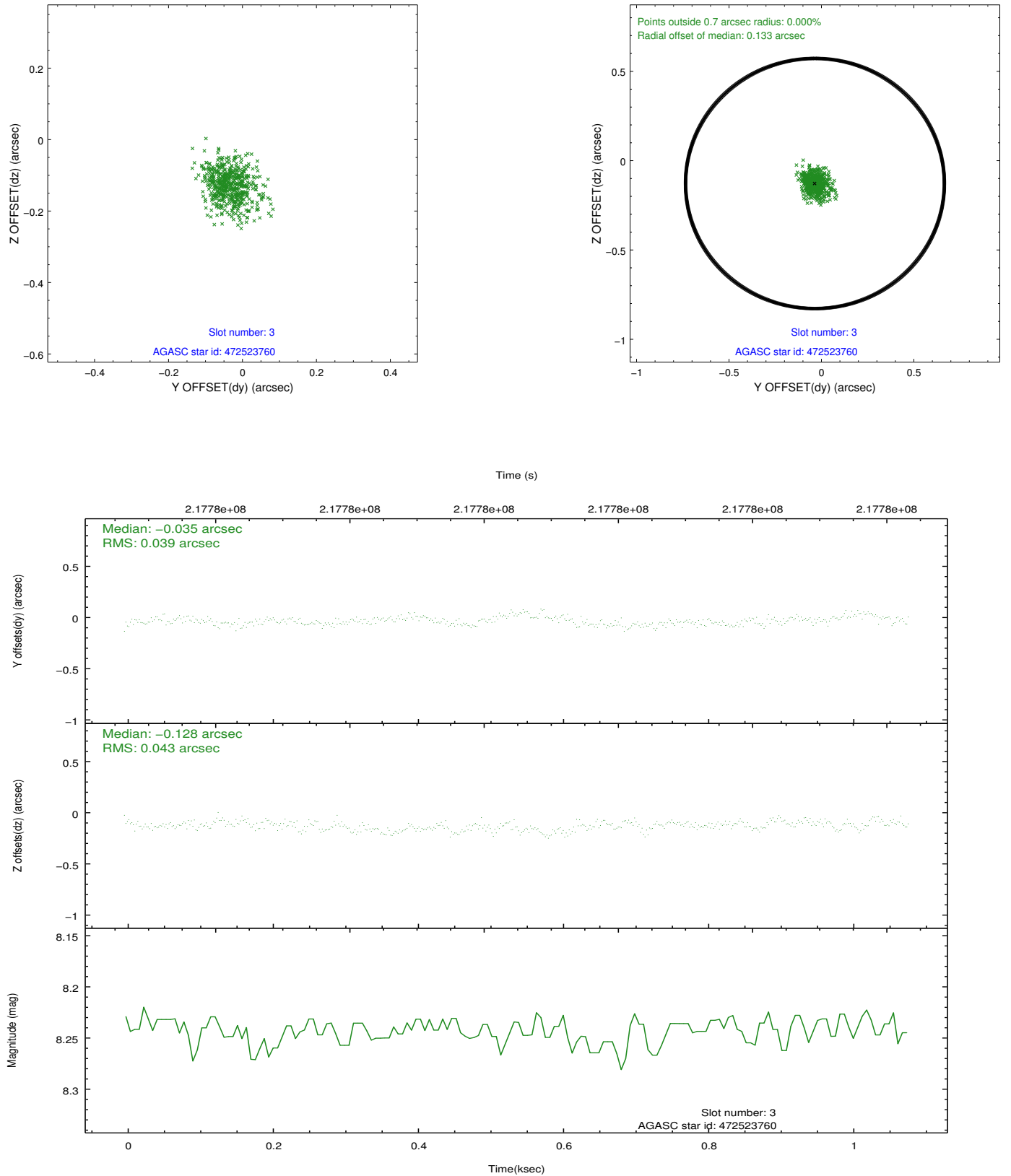
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.02	264	0.002	0.012	0.006	0.011	0.000000	0.000000	-762.86	-1295.01
1	FID	HRC-I-2	7.05	264	0.127	-0.096	0.005	0.011	0.000000	0.000000	847.01	-1301.60
2	FID	HRC-I-3	7.09	264	-0.010	-0.005	0.006	0.010	0.000000	0.000000	-1188.15	1004.60
3	GUIDE	472523760	8.24	528	-0.035	-0.128	0.061	0.102	331.645363	45.403260	914.57	-1654.62
4	GUIDE	472527720	7.03	528	0.167	-0.042	0.100	0.156	331.460205	45.112509	1806.58	-2381.27
5	GUIDE	472655152	9.44	526	0.016	0.058	0.093	0.158	332.504239	45.862991	-138.76	850.34
6	GUIDE	472659832	9.47	528	-0.071	0.057	0.099	0.156	332.780399	46.098139	-793.98	1733.82
7	GUIDE	472533912	9.15	526	-0.096	0.084	0.082	0.138	331.791136	46.368695	-2352.91	-407.22

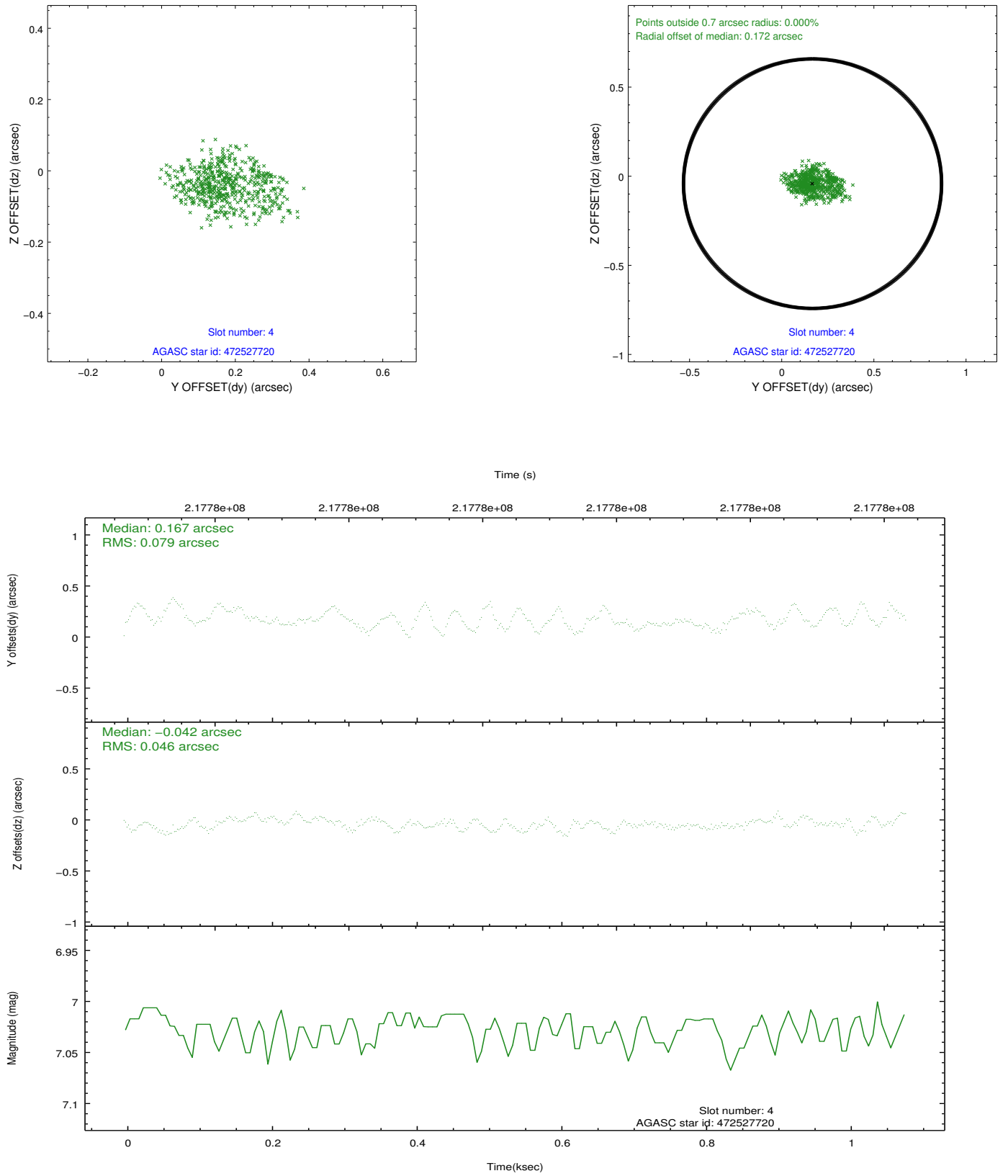


## 2.4 Star Slots

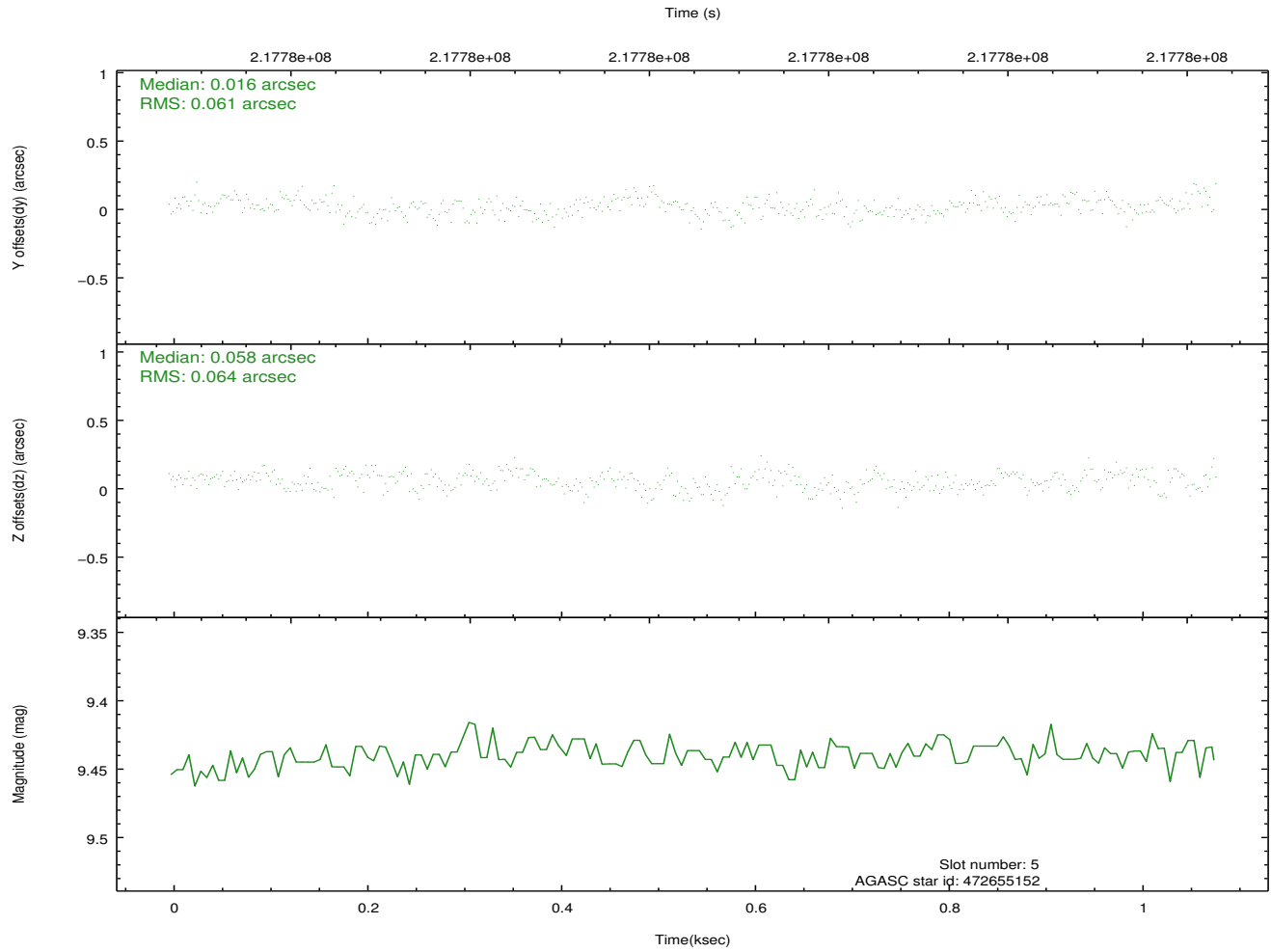
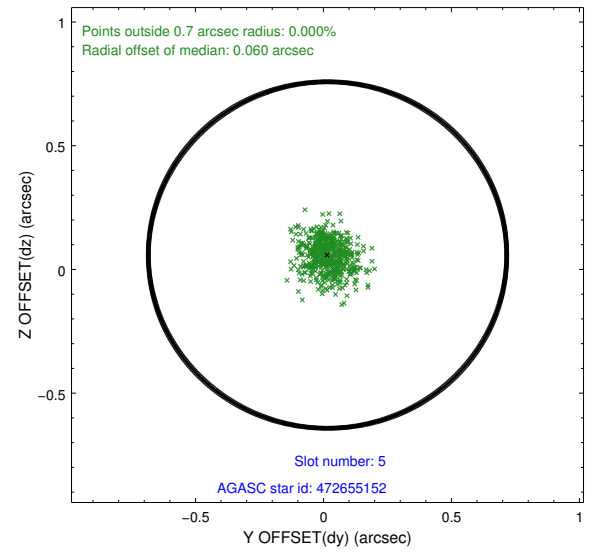
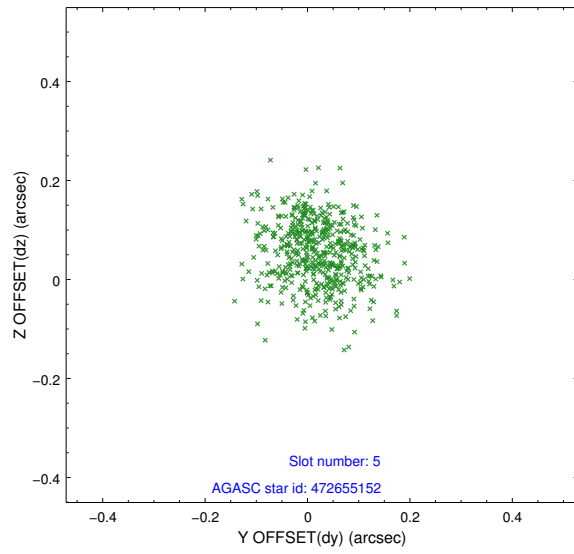
### 2.4.1 Slot 3



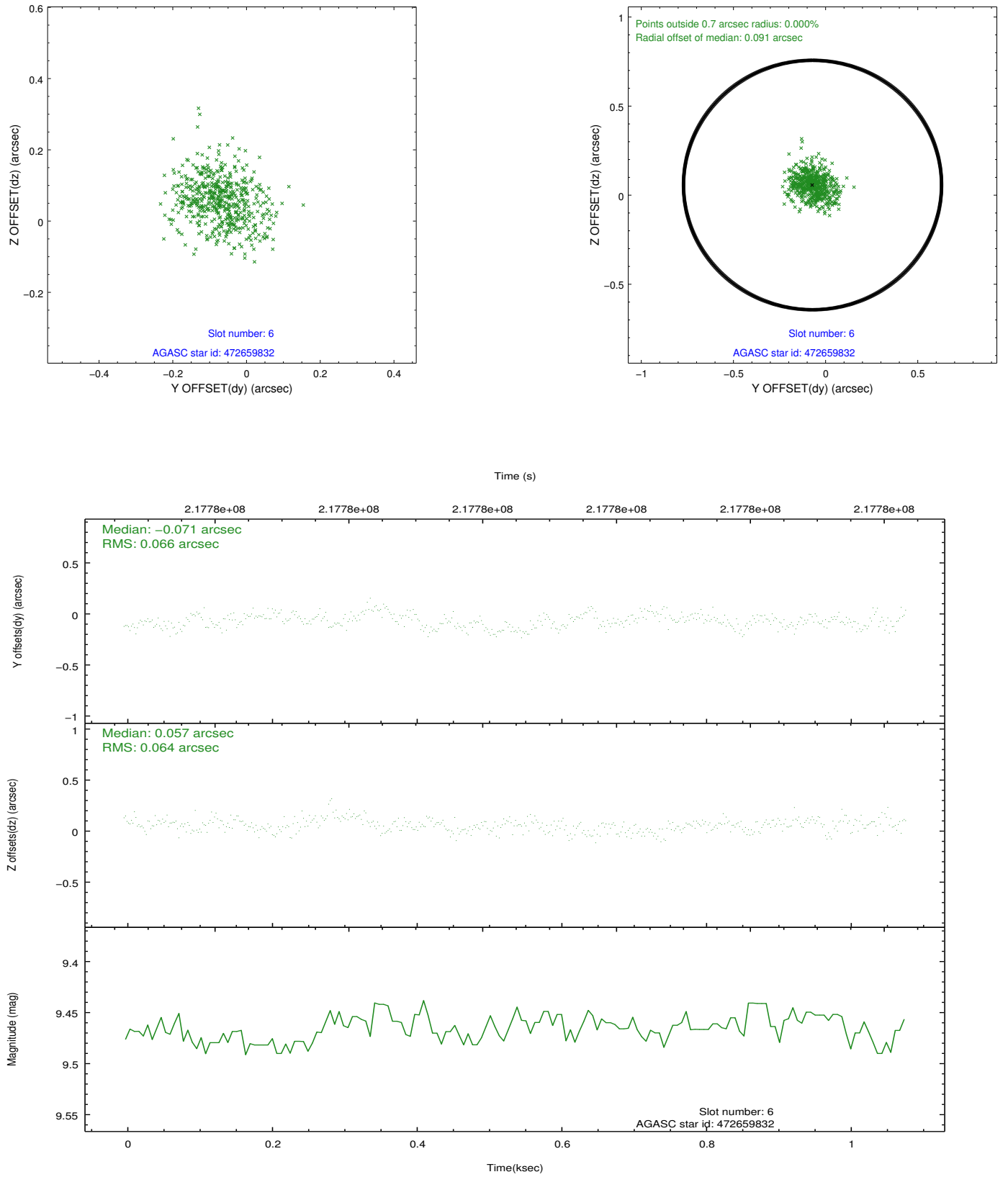
## 2.4.2 Slot 4



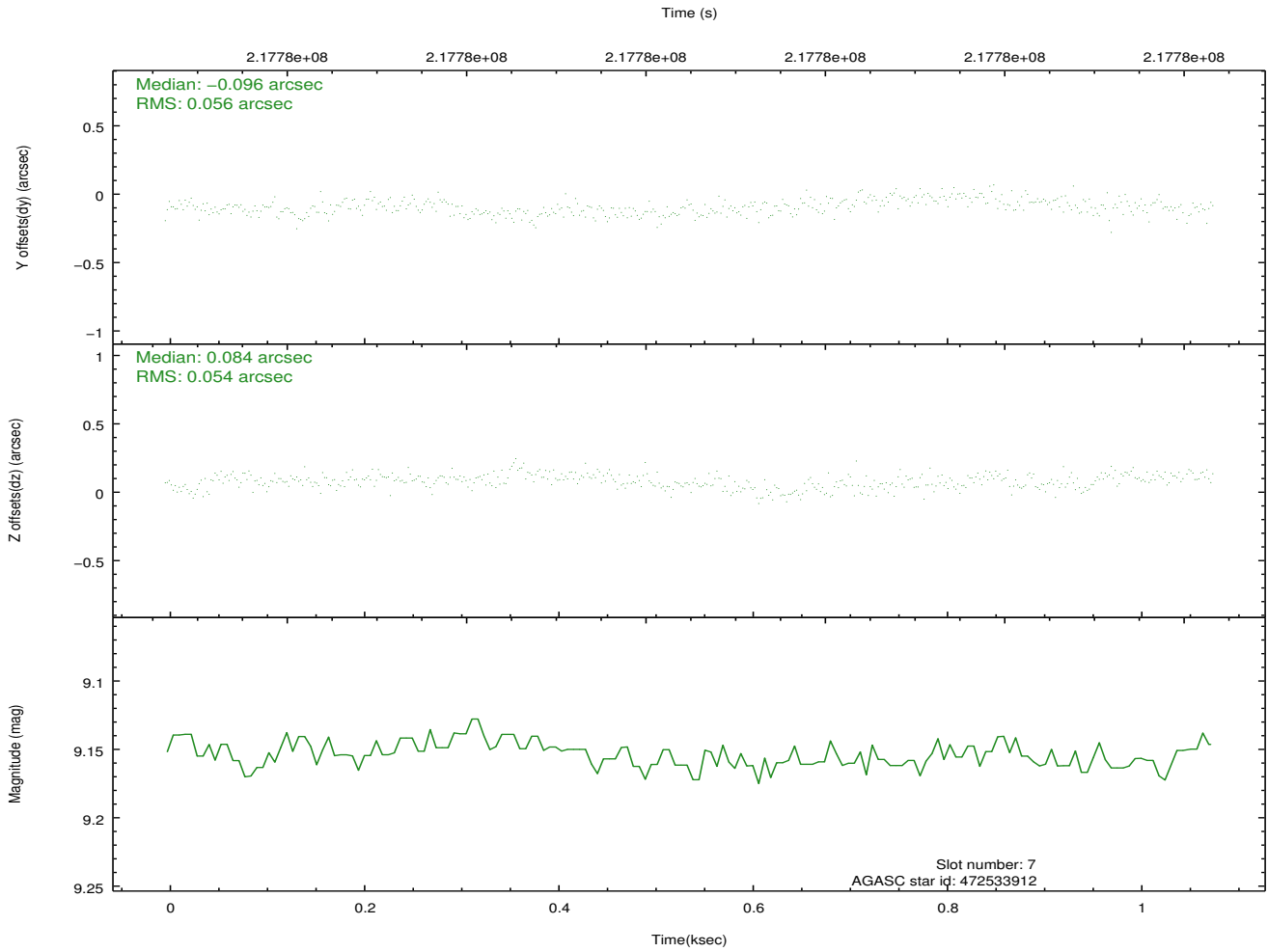
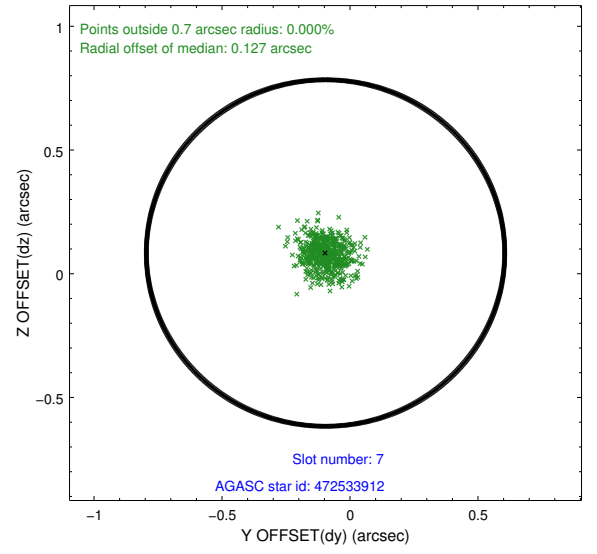
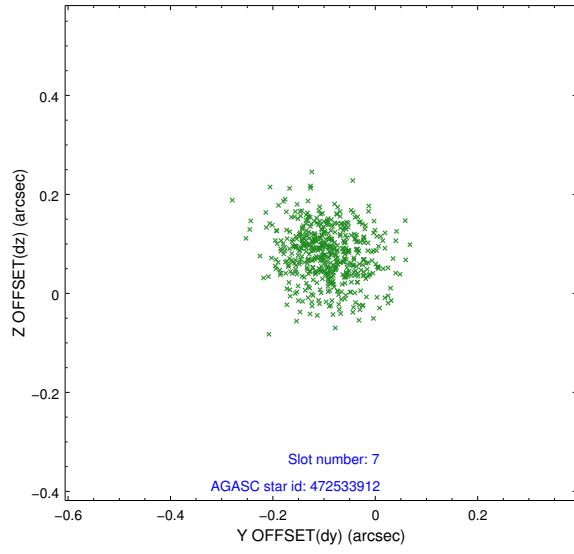
### 2.4.3 Slot 5



## 2.4.4 Slot 6

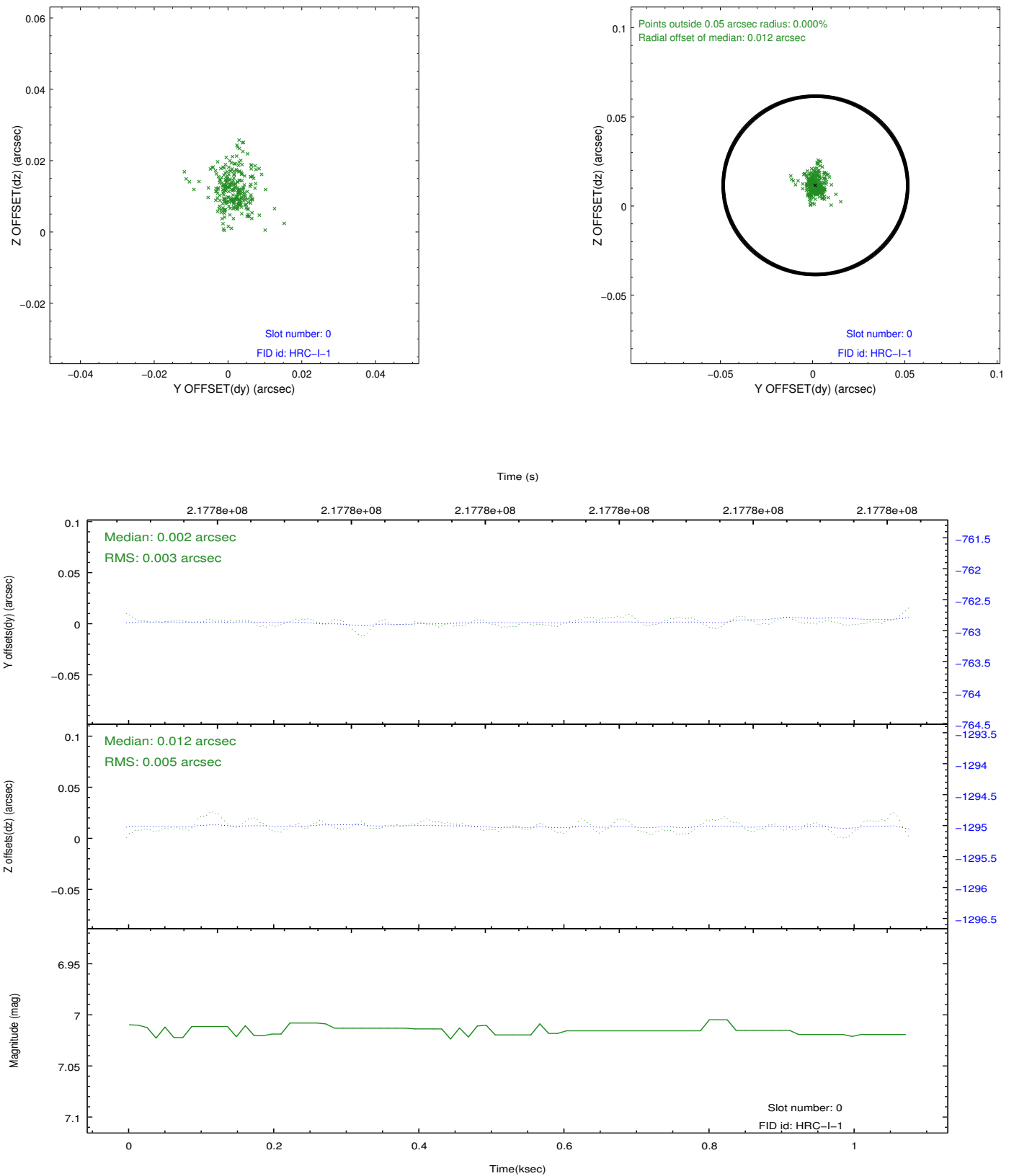


## 2.4.5 Slot 7

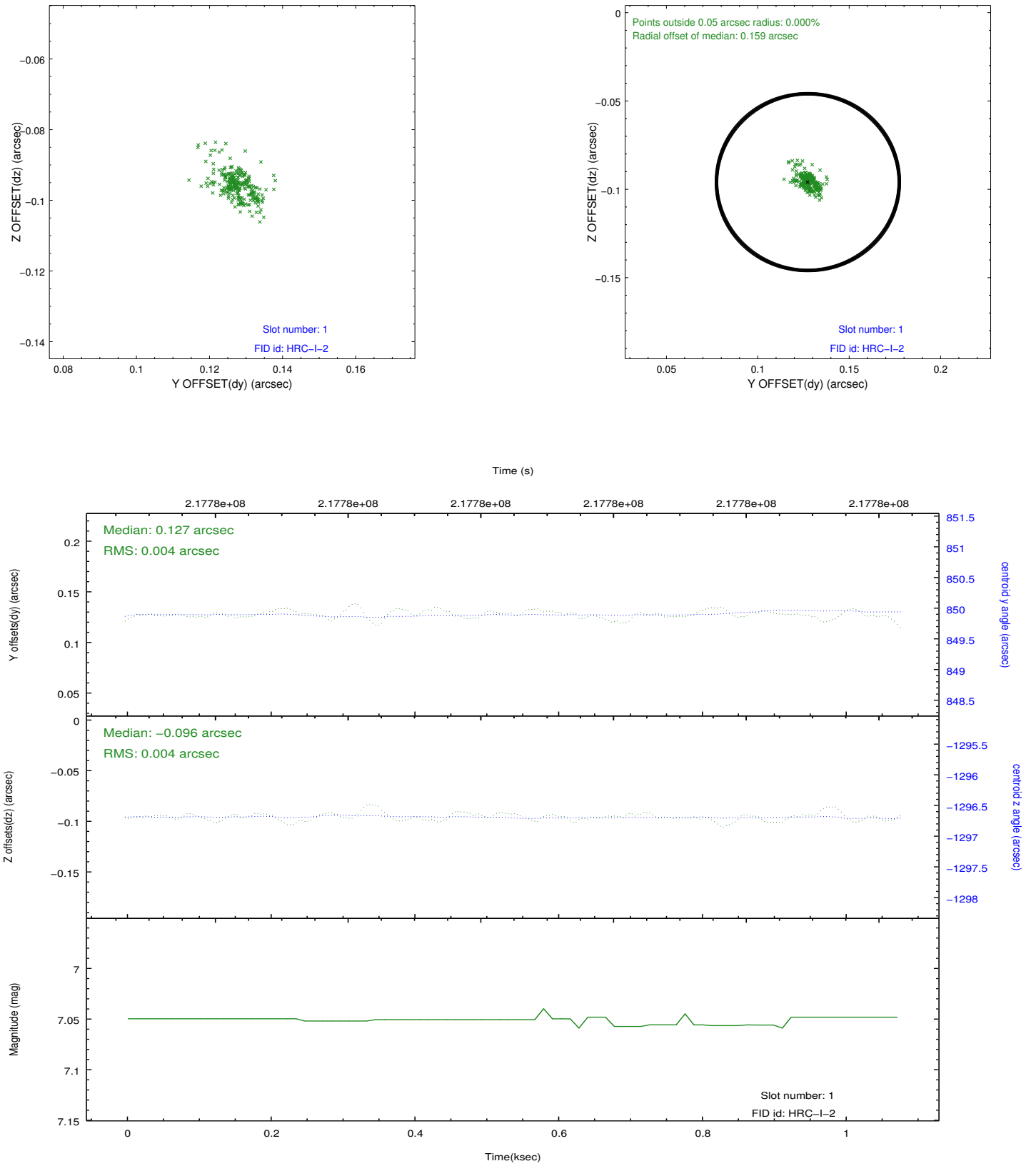


## 2.5 FID Slots

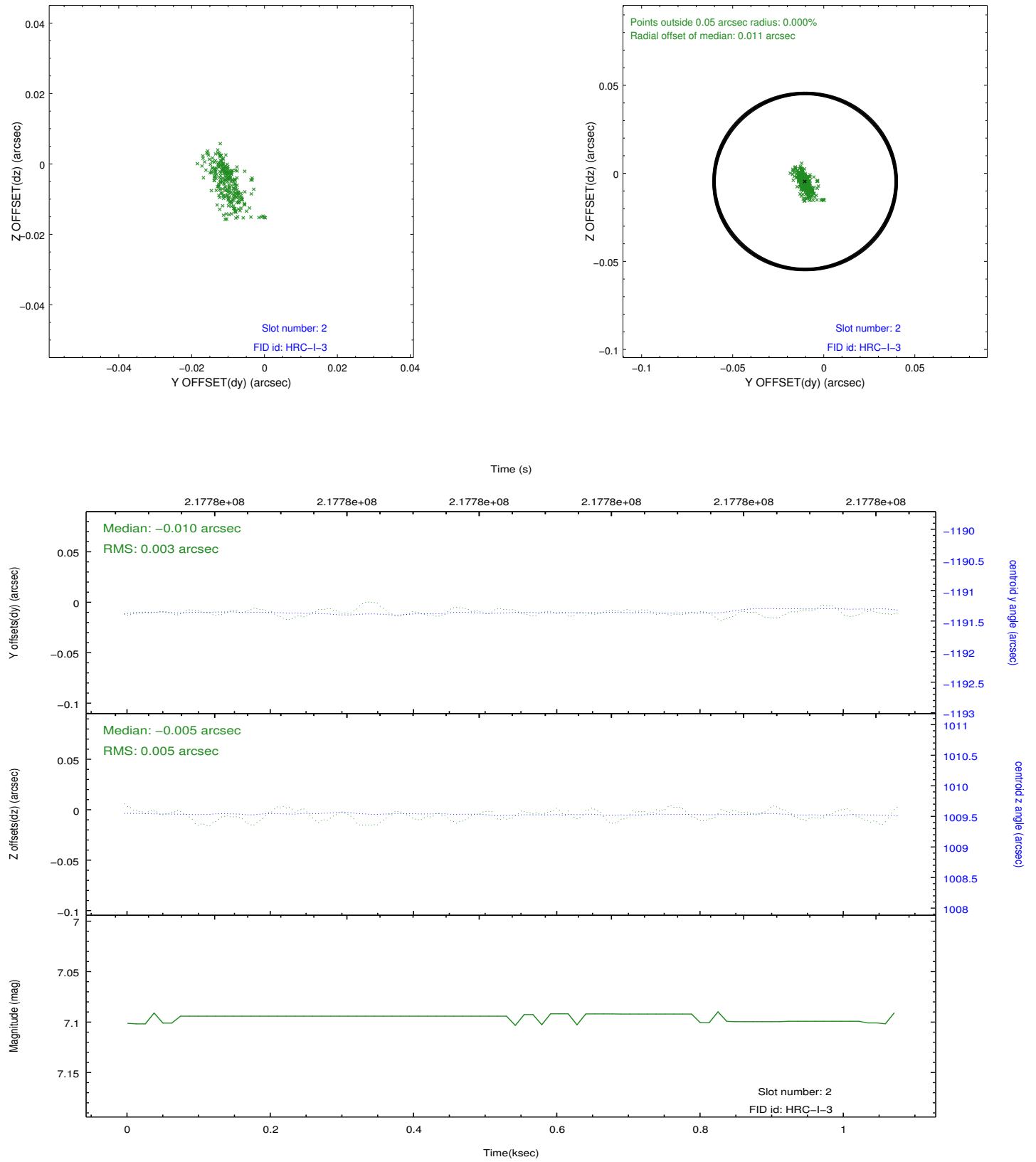
### 2.5.1 Slot 0



## 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	1.079325

### **A.2 Comments**