

# V&V Reference Report

## L2 ASCDS Version : 8.5

Observation 5073 - L2 Version 4  
Chandra X-Ray Center

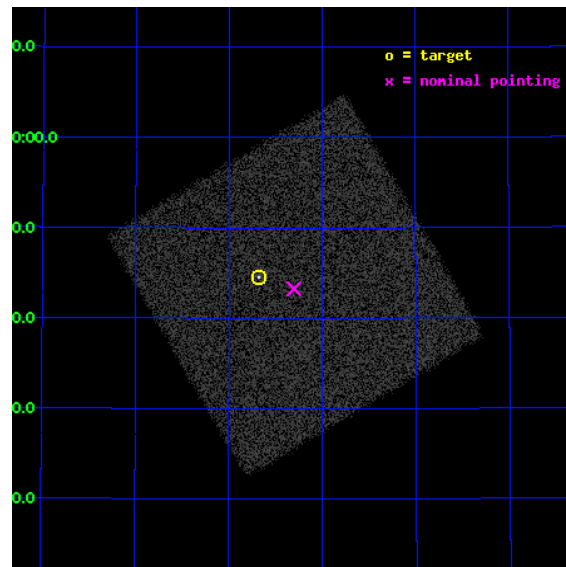
L2 Processing Date : Dec 12 2012

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# 1 Front

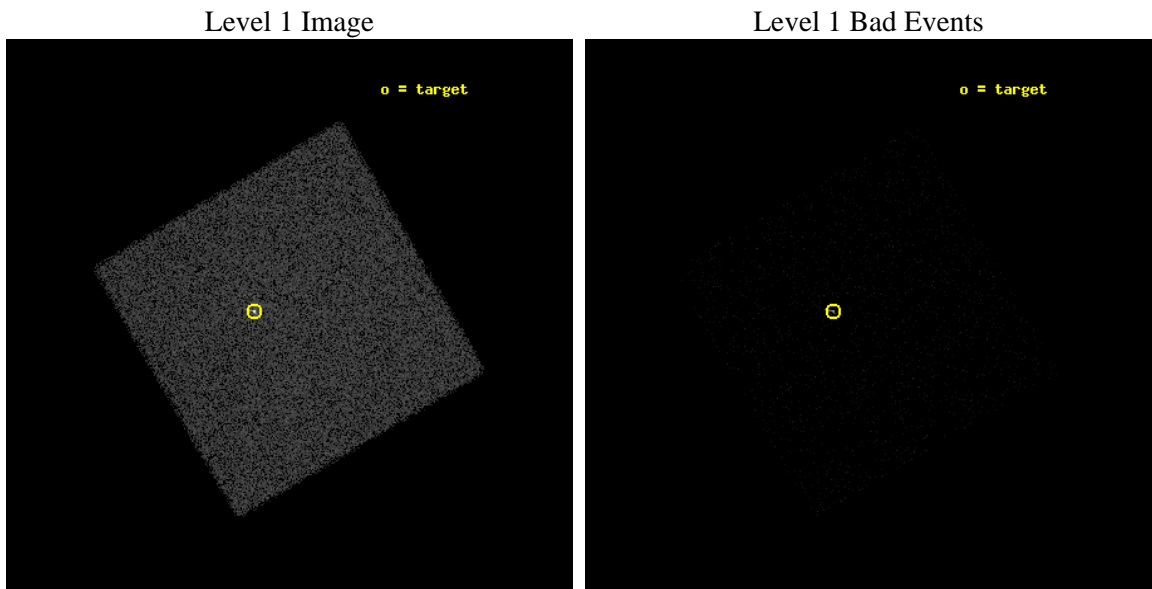
seq_num	290346	Sequence number
obs_id	5073	Observation id
title	AO5 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.0760558093	Nominal RA [deg]
dec_nom	45.721145511994	Nominal Dec [deg]
roll_nom	284.64008539946	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1079.5812985301	[s]
livetime	1070.7882677496	Ontime multiplied by DTCOR
l2events	55420	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	1079.5812985301	[s]
caldbver	4.5.4	&#160	l1events	108963	Number of level 1 events
date	2012-12-11T23:32:40	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

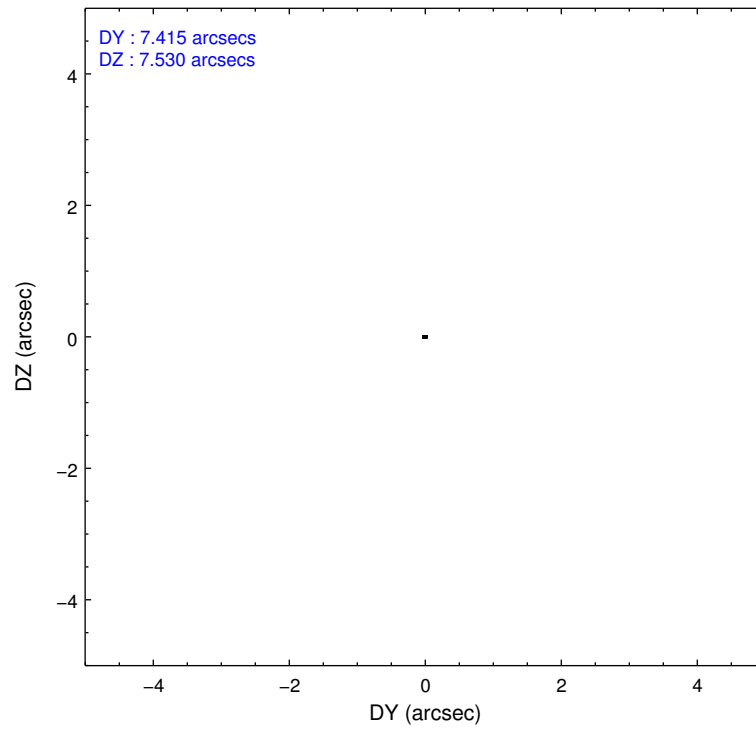
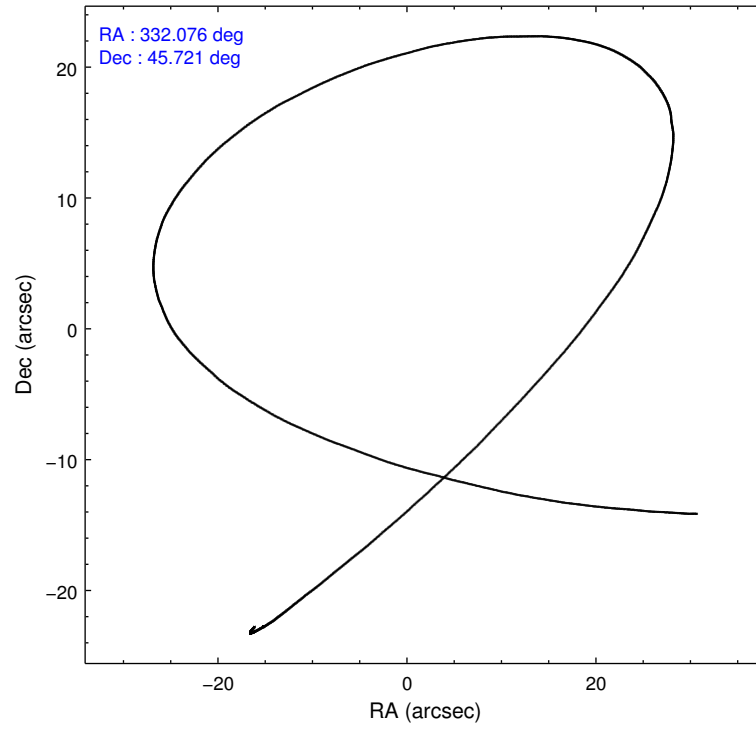
#### Level 1 Events

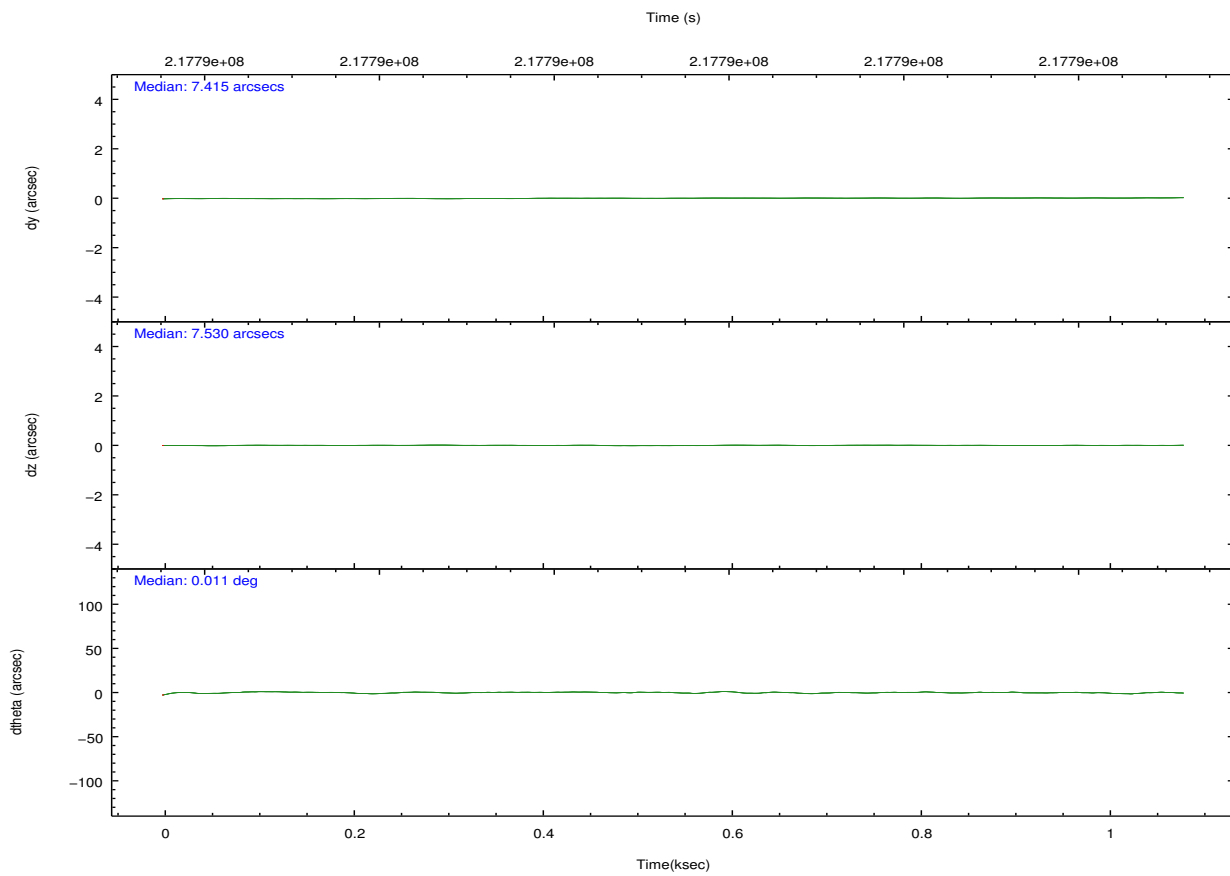
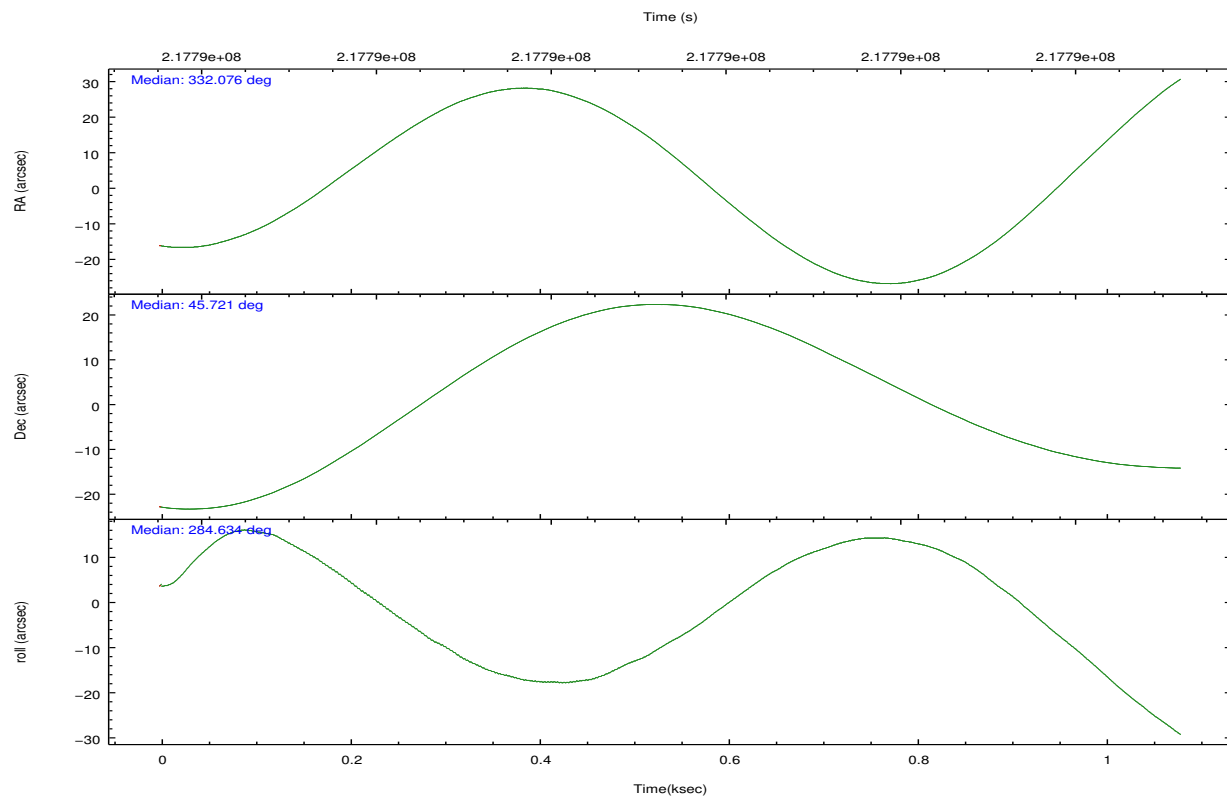
	<b>segment 0</b>
level 1 events	108963
rejected events	30993
rejected %	28%

## 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	332.048850	332.0760558093027			
[deg] Pointing Dec	45.740095	45.7211455119939			
[deg] Pointing Roll	284.755127	284.6400853994646			
[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)	217792977.184000	217792600.85853			
Observation start date	2004-11-25T18:01:53	2004-11-25T17:56:40			
[s] Observation end time (MET)	217793877.184000	217794011.25859			
Observation end date	2004-11-25T18:16:53	2004-11-25T18:20:11			

## 2.3 Aspect





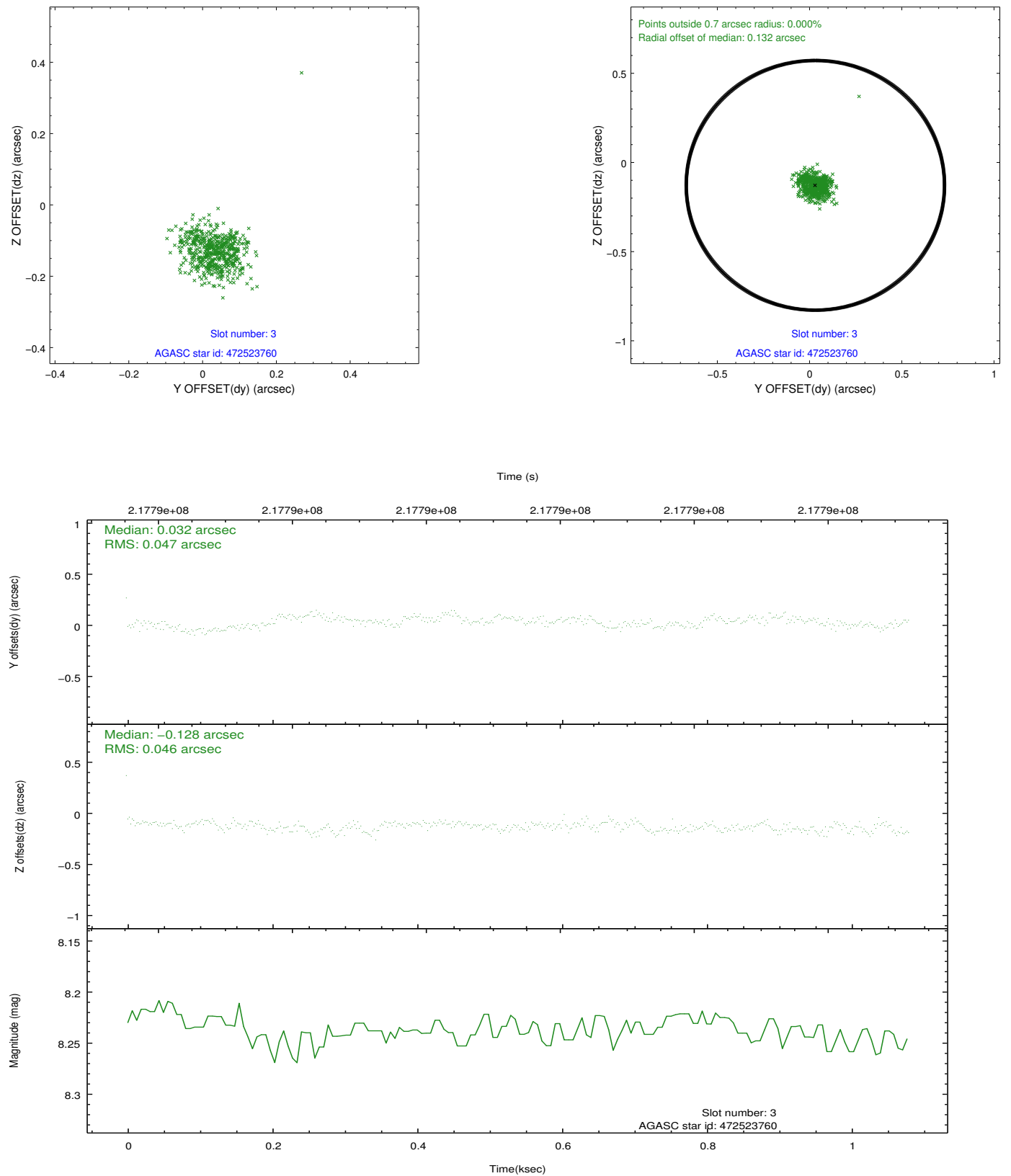
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.01	264	0.042	0.001	0.006	0.010	0.000000	0.000000	-763.03	-1295.41
1	FID	HRC-I-3	7.10	264	-0.070	-0.051	0.007	0.012	0.000000	0.000000	-1194.41	1004.22
2	FID	HRC-I-4	7.05	264	0.143	-0.040	0.006	0.010	0.000000	0.000000	1275.44	1010.43
3	GUIDE	472523760	8.24	528	0.032	-0.128	0.065	0.102	331.645363	45.403260	911.01	-1292.47
4	GUIDE	472655152	9.43	527	0.062	0.113	0.111	0.187	332.504239	45.862991	-138.14	1217.19
5	GUIDE	472659832	9.47	526	-0.046	0.009	0.105	0.199	332.780399	46.098139	-789.57	2100.59
6	GUIDE	472527720	7.02	528	0.113	-0.001	0.086	0.145	331.460205	45.112509	1797.95	-2014.07
7	GUIDE	472535576	7.86	527	-0.164	0.011	0.055	0.091	331.438373	46.291802	-2309.24	-963.25

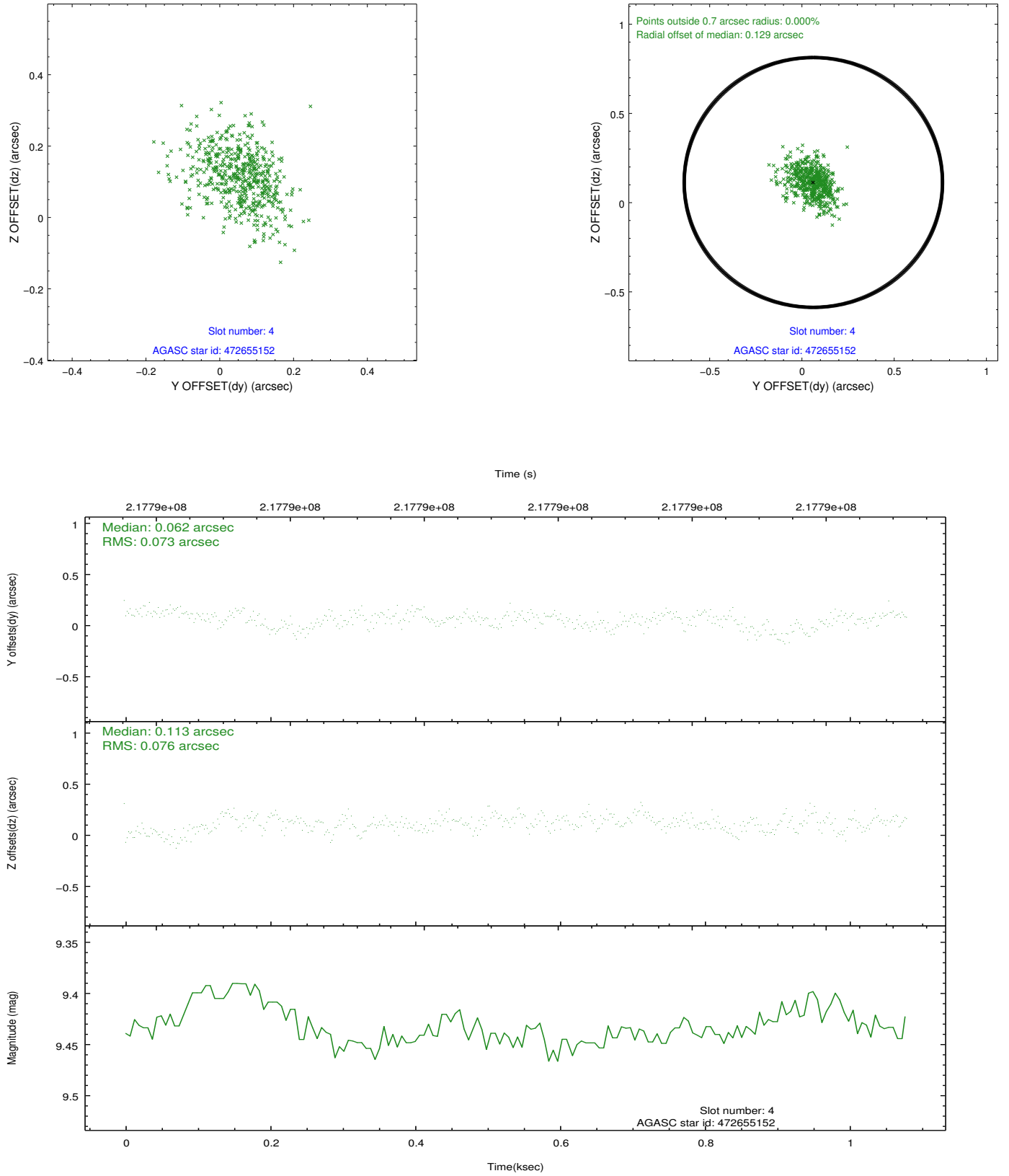


## 2.4 Star Slots

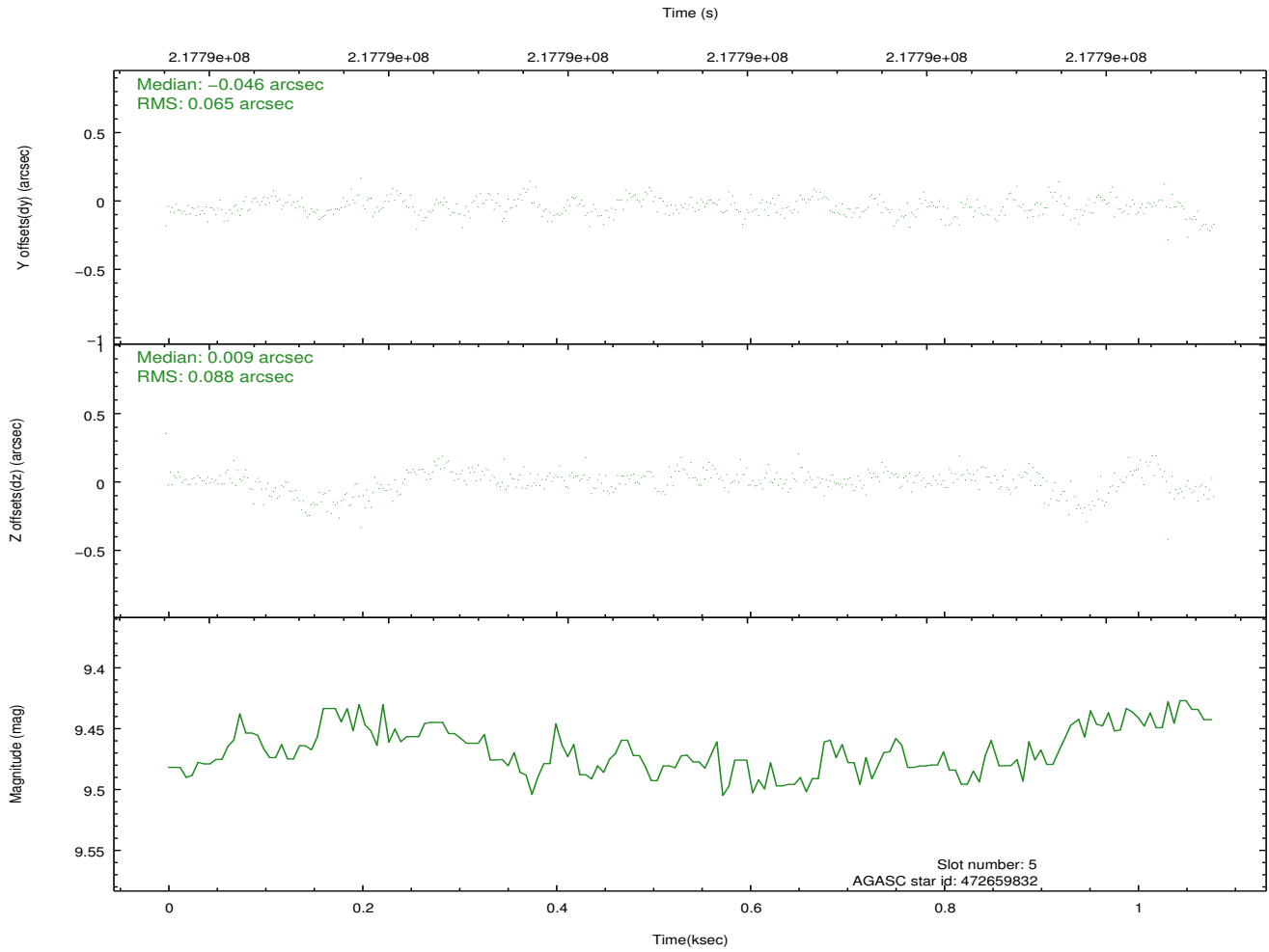
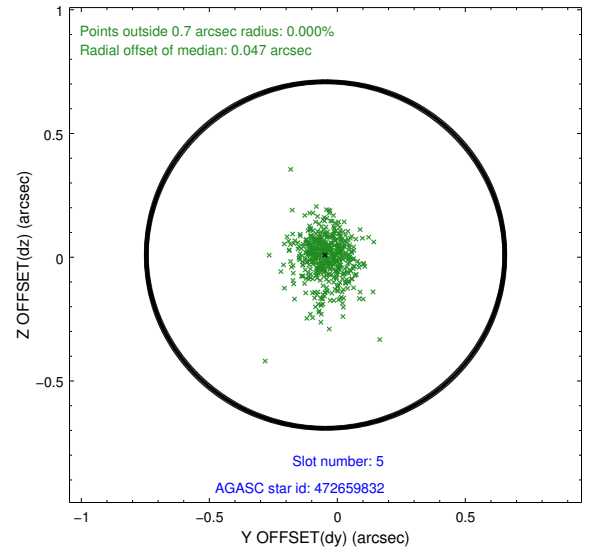
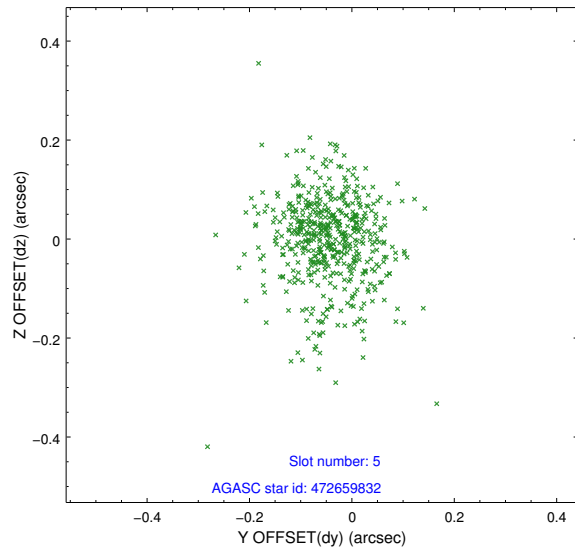
### 2.4.1 Slot 3



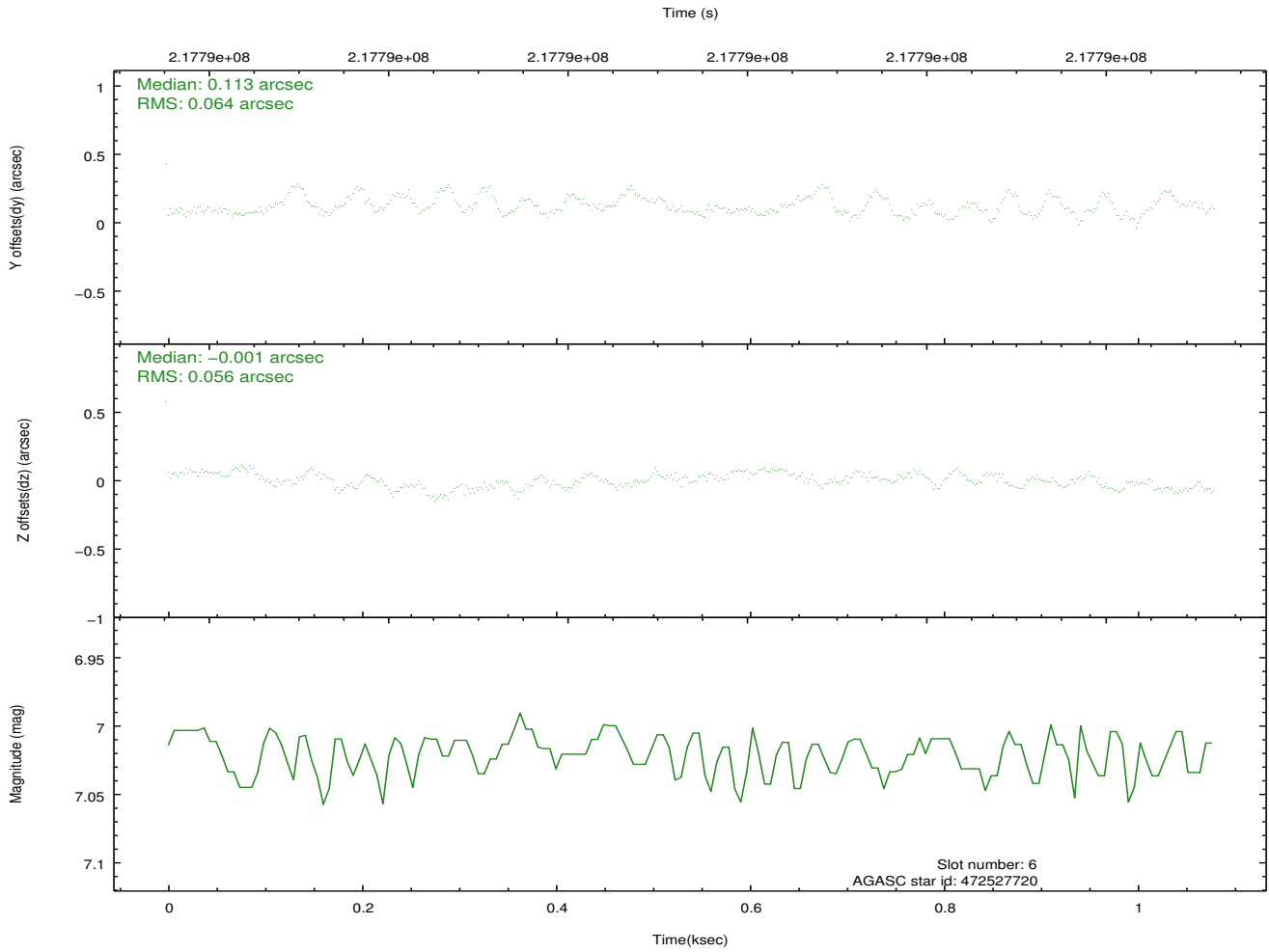
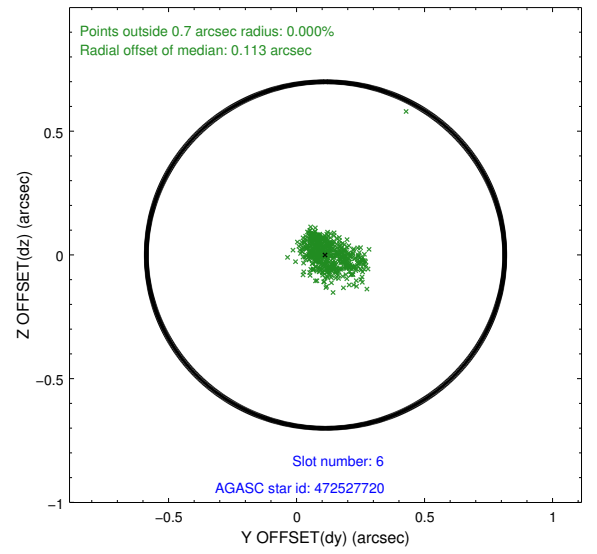
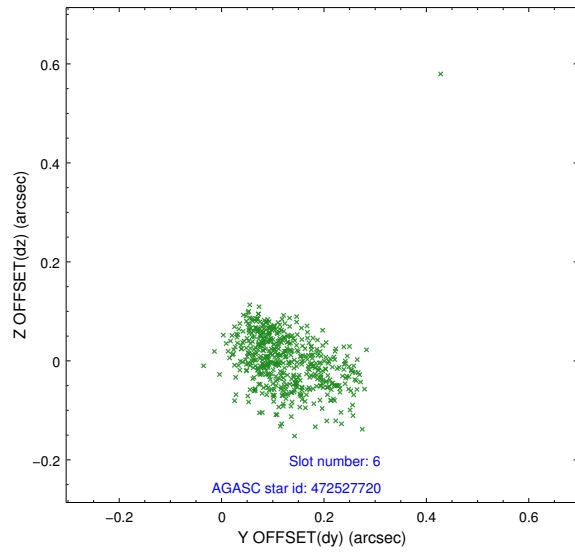
## 2.4.2 Slot 4



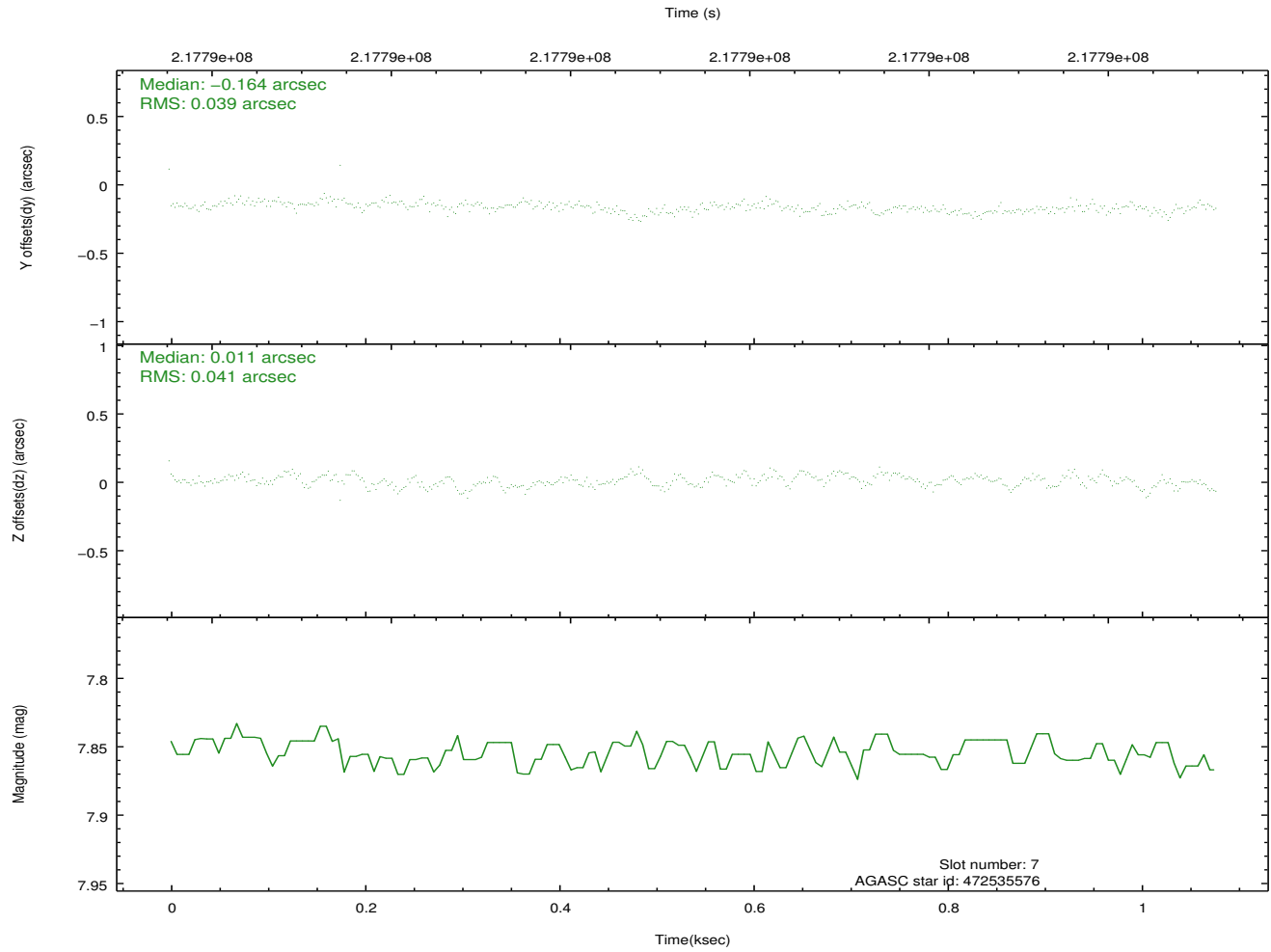
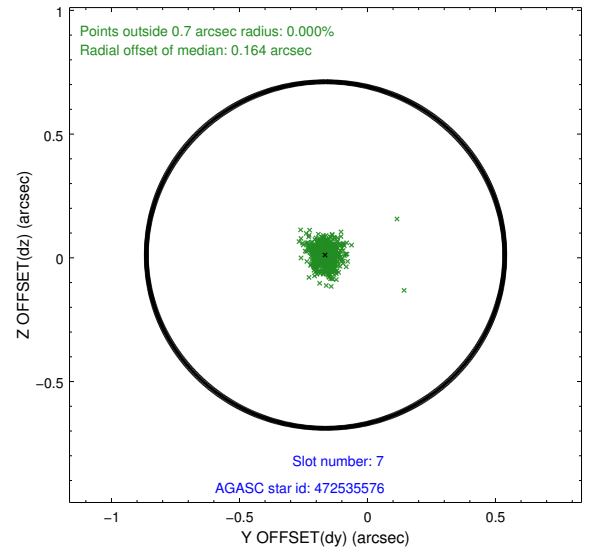
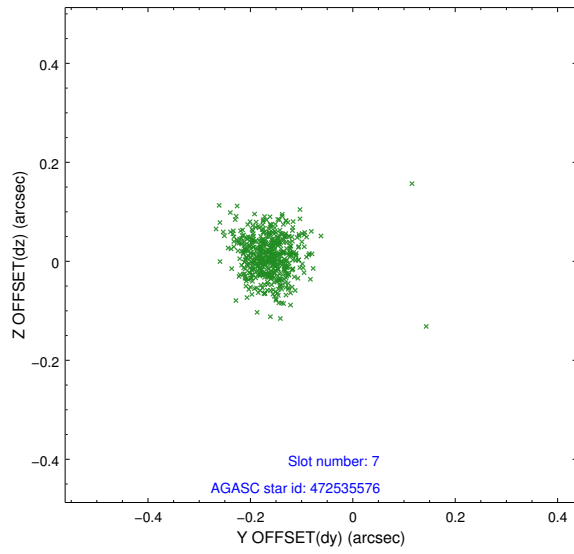
### 2.4.3 Slot 5



## 2.4.4 Slot 6

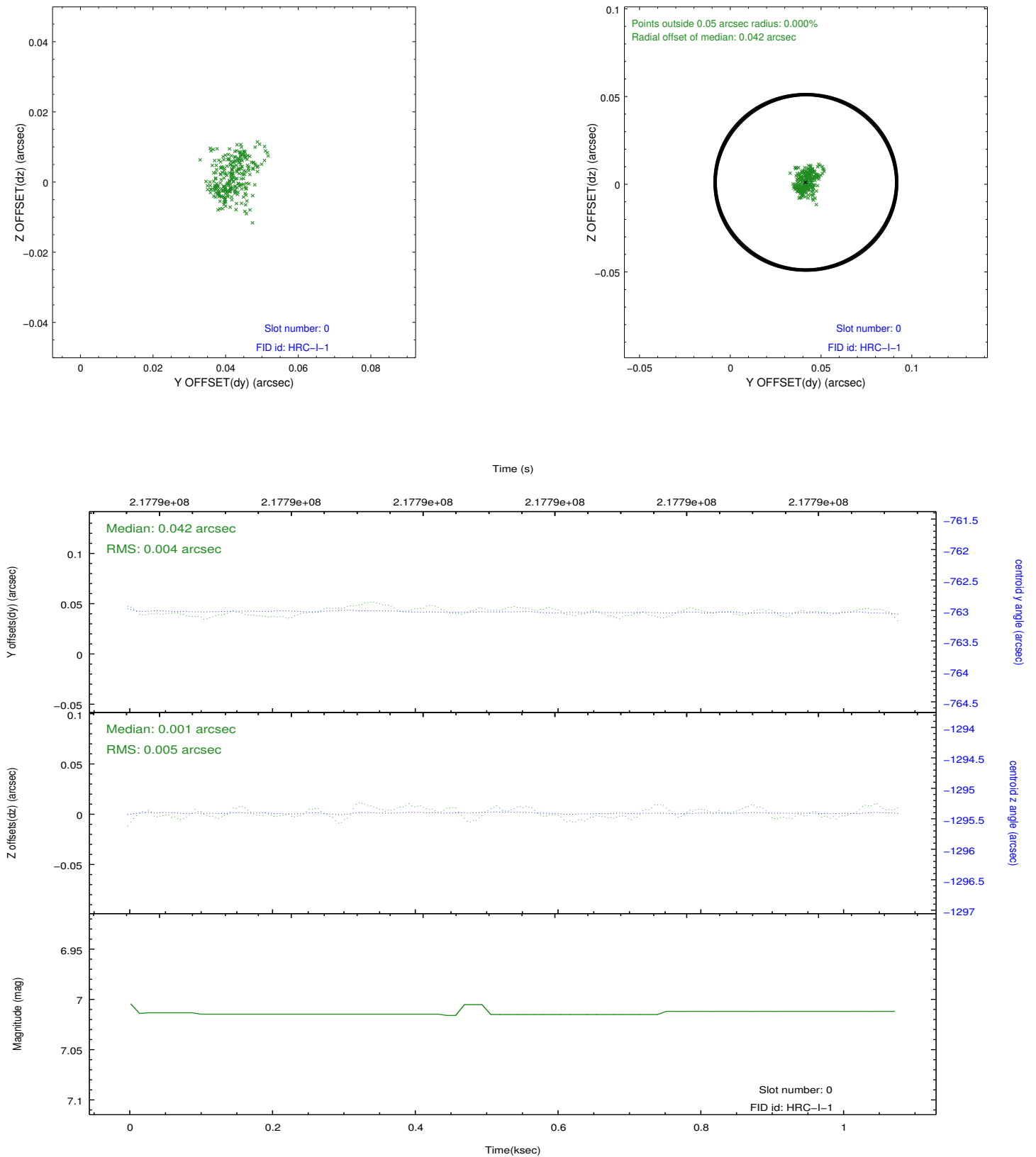


## 2.4.5 Slot 7

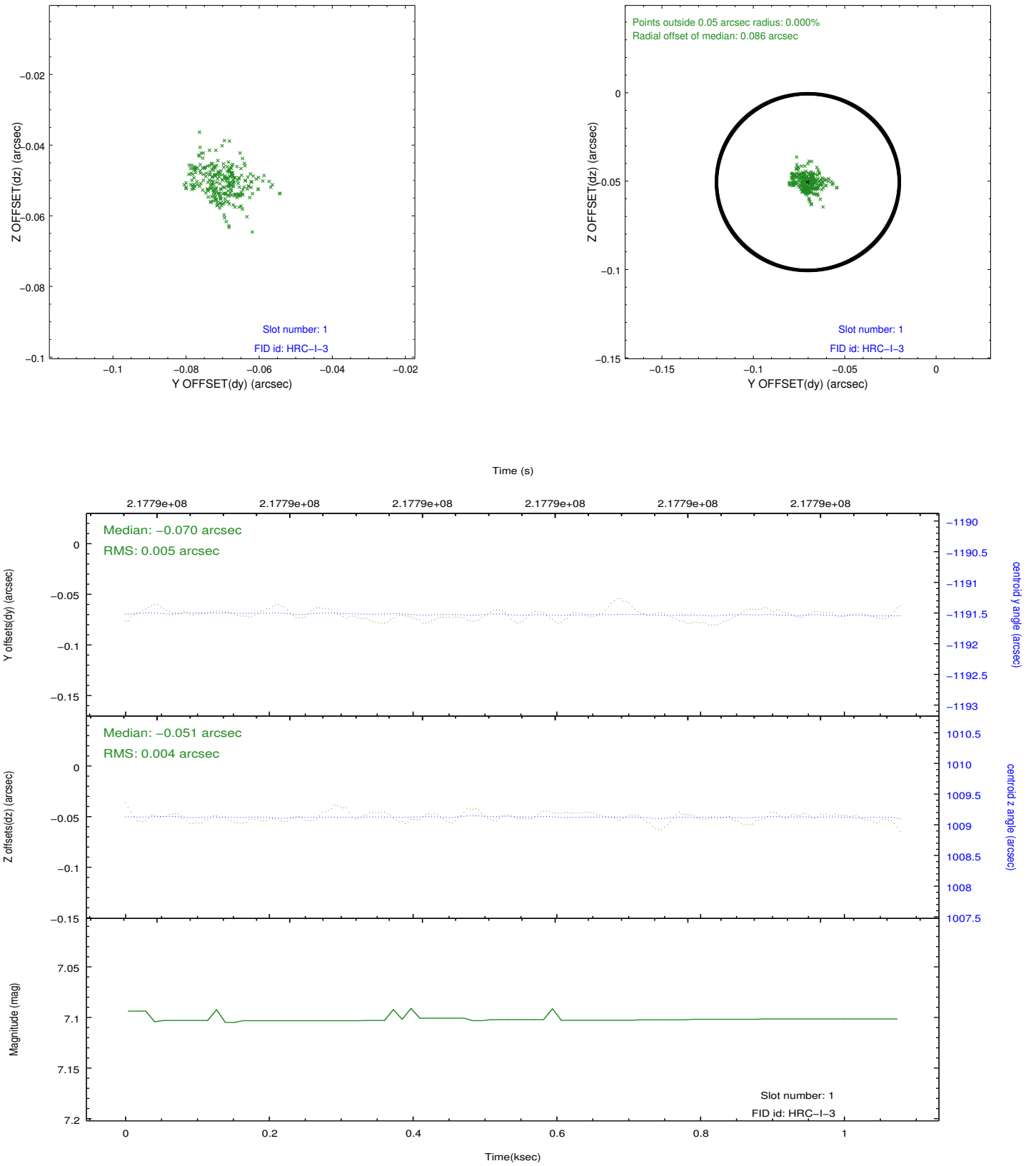


## 2.5 FID Slots

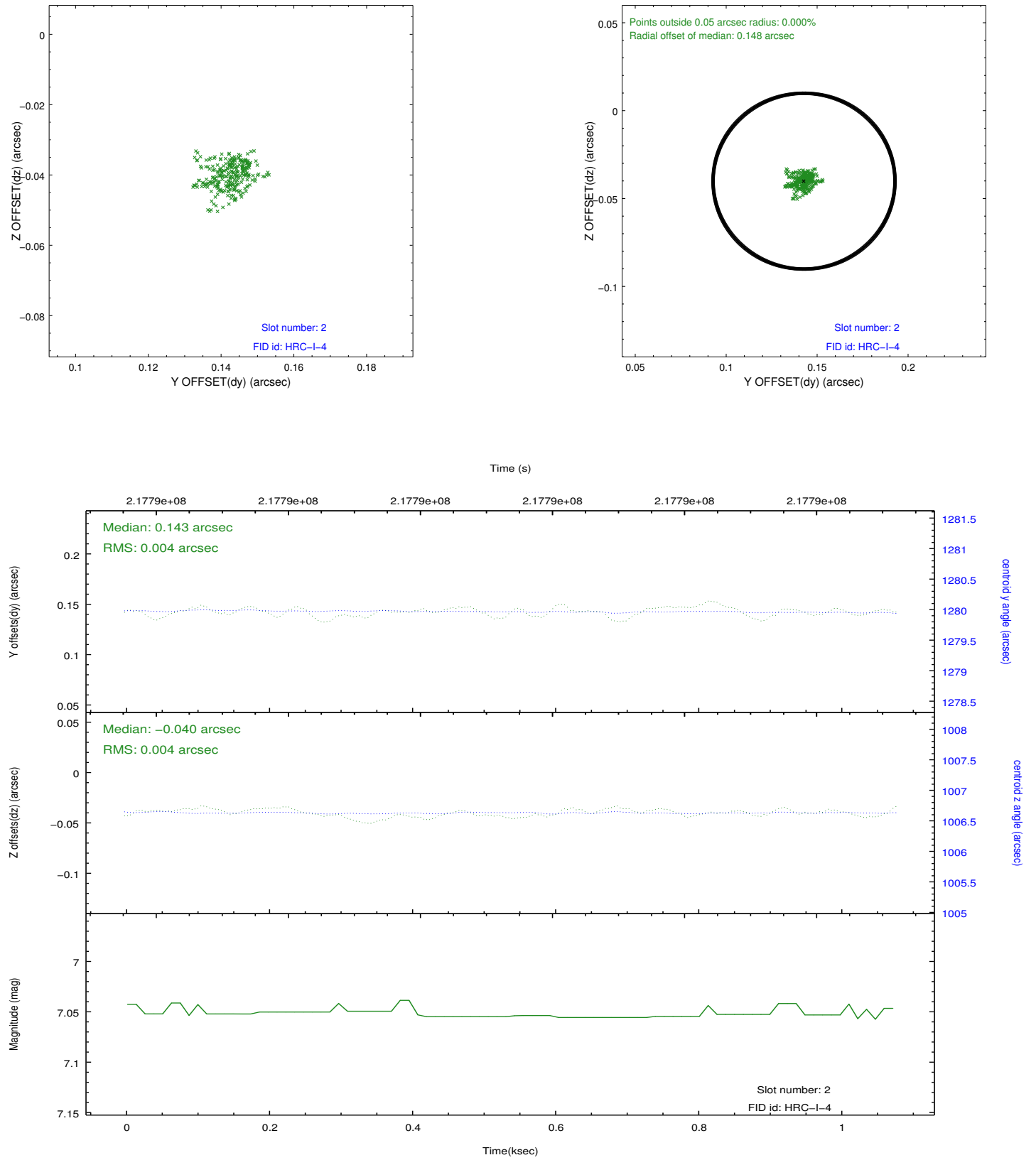
### 2.5.1 Slot 0



## 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)	2013.01.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.079581

### A.2 Comments