

# V&V Reference Report

## L2 ASCDS Version : 8.5.1.1

Observation 5989 - L2 Version 4  
Chandra X-Ray Center

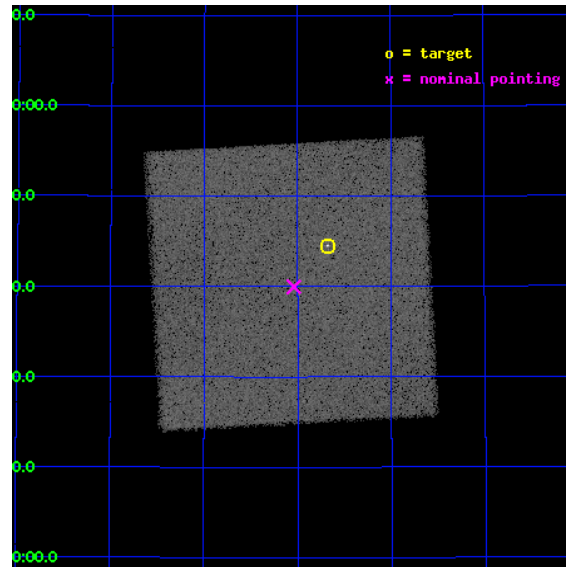
L2 Processing Date : Dec 29 2012

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# 1 Front

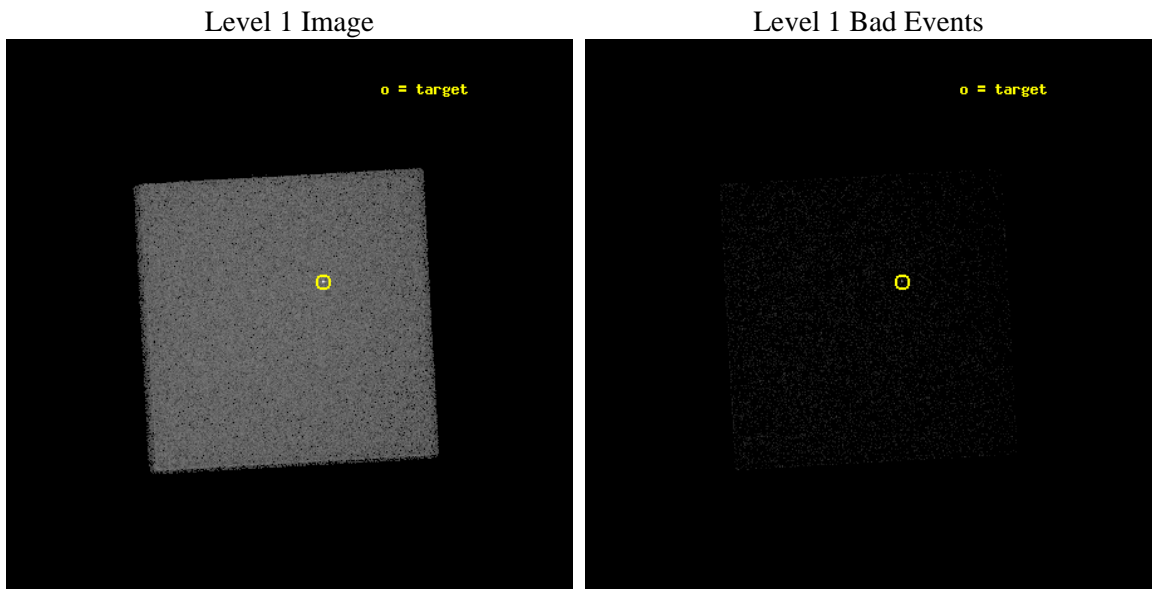
seq_num	290481	Sequence number
obs_id	5989	Observation id
title	AO6 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.26007804584	Nominal RA [deg]
dec_nom	45.666411268964	Nominal Dec [deg]
roll_nom	221.82713648958	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1165.6813036203	[s]
livetime	384.57221217116	Ontime multiplied by DTCOR
l2events	170225	Number of level 2 events



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	990.159000	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	1165.6813036203	[s]
caldbver	4.5.5	&#160	l1events	287658	Number of level 1 events
date	2012-12-29T12:59:34	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

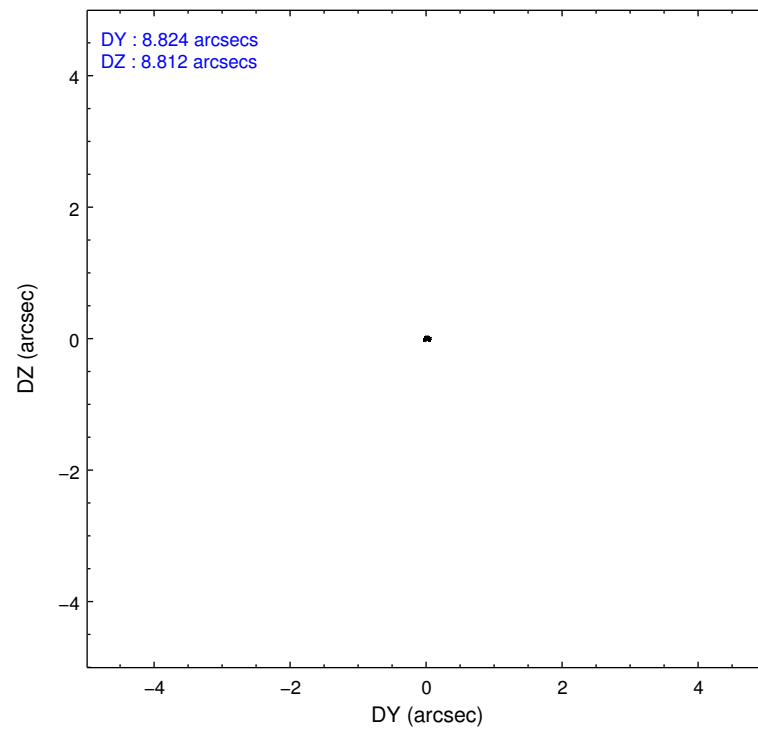
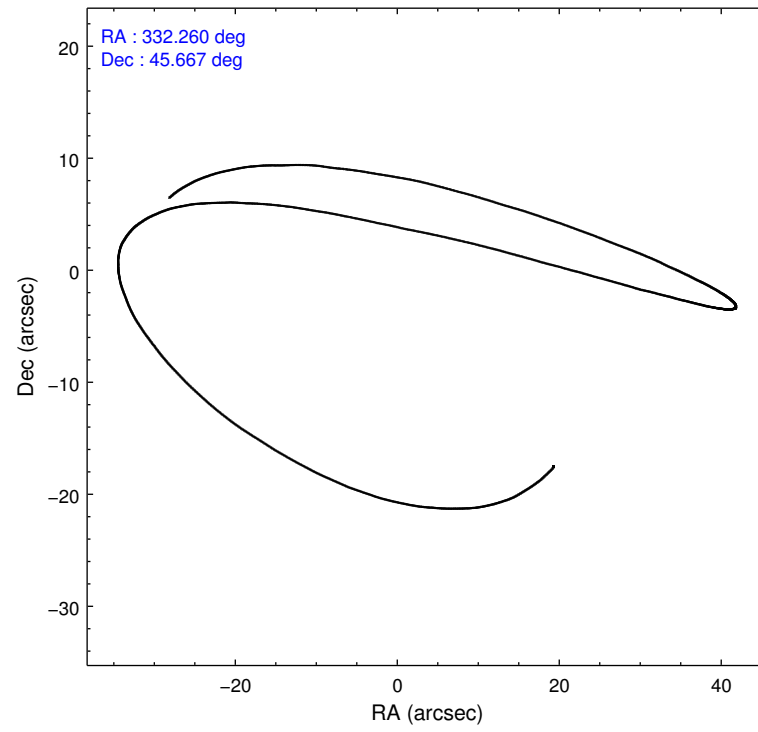
#### Level 1 Events

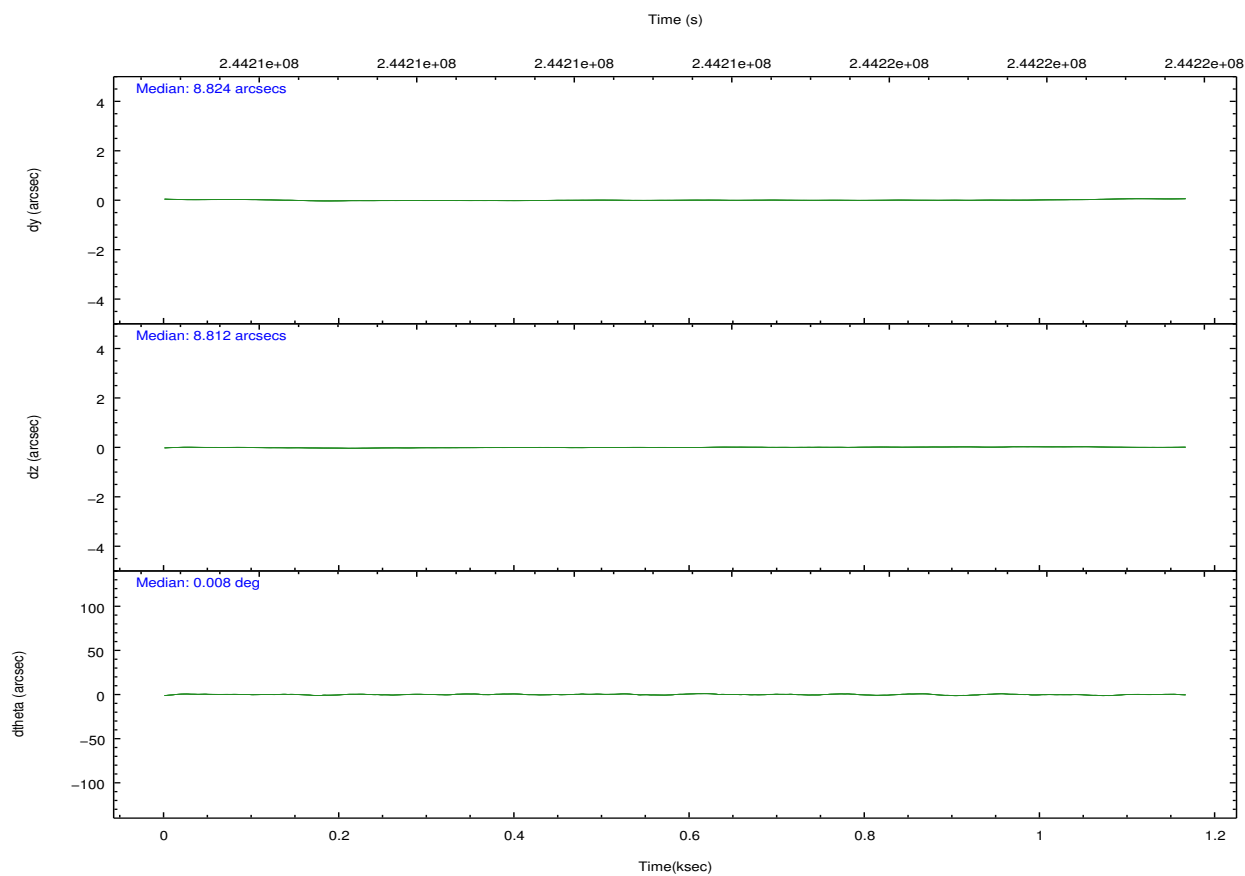
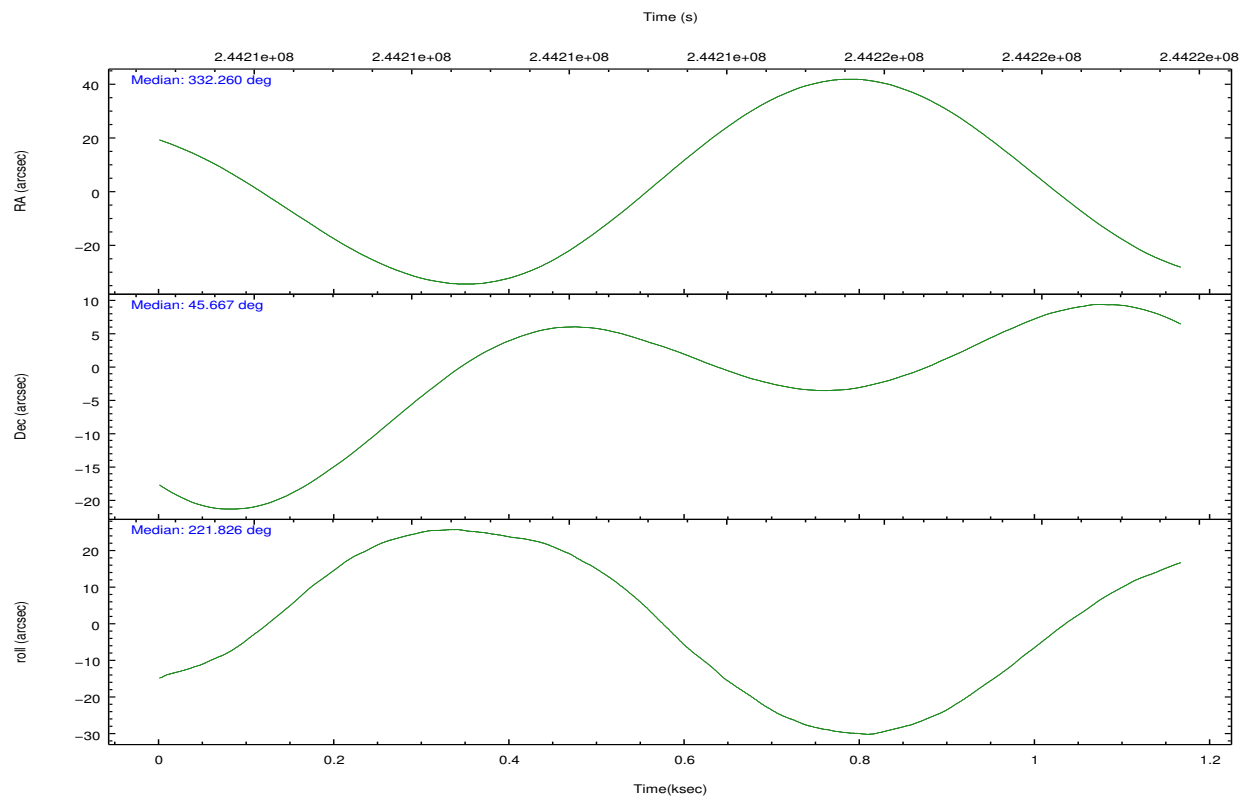
	<b>segment 0</b>
level 1 events	287658
rejected events	72528
rejected %	25%

## 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	332.271339	332.2600780458385			
[deg] Pointing Dec	45.692515	45.66641126896441			
[deg] Pointing Roll	221.914518	221.8271364895795			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	126.985494	126.9829799899862			
[mm] SIM translation stage offset	0	0.002508901615314585			
[s] Observation start time (MET)	244214322.184000	244213946.08528			
Observation start date	2005-09-27T13:17:38	2005-09-27T13:12:26			
[s] Observation end time (MET)	244215312.184000	244215506.64785			
Observation end date	2005-09-27T13:34:08	2005-09-27T13:38:26			

## 2.3 Aspect



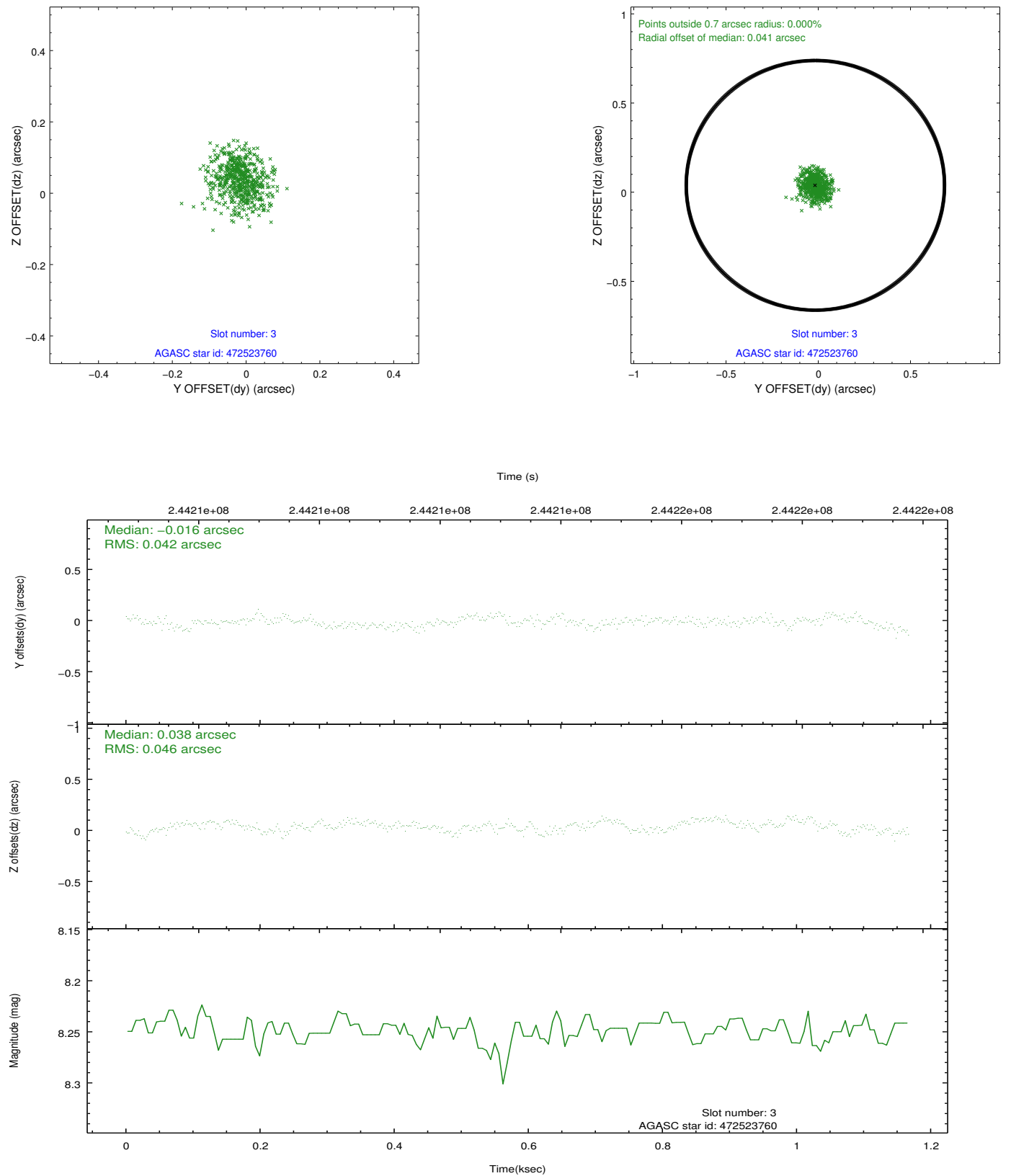


### Slot Statistics

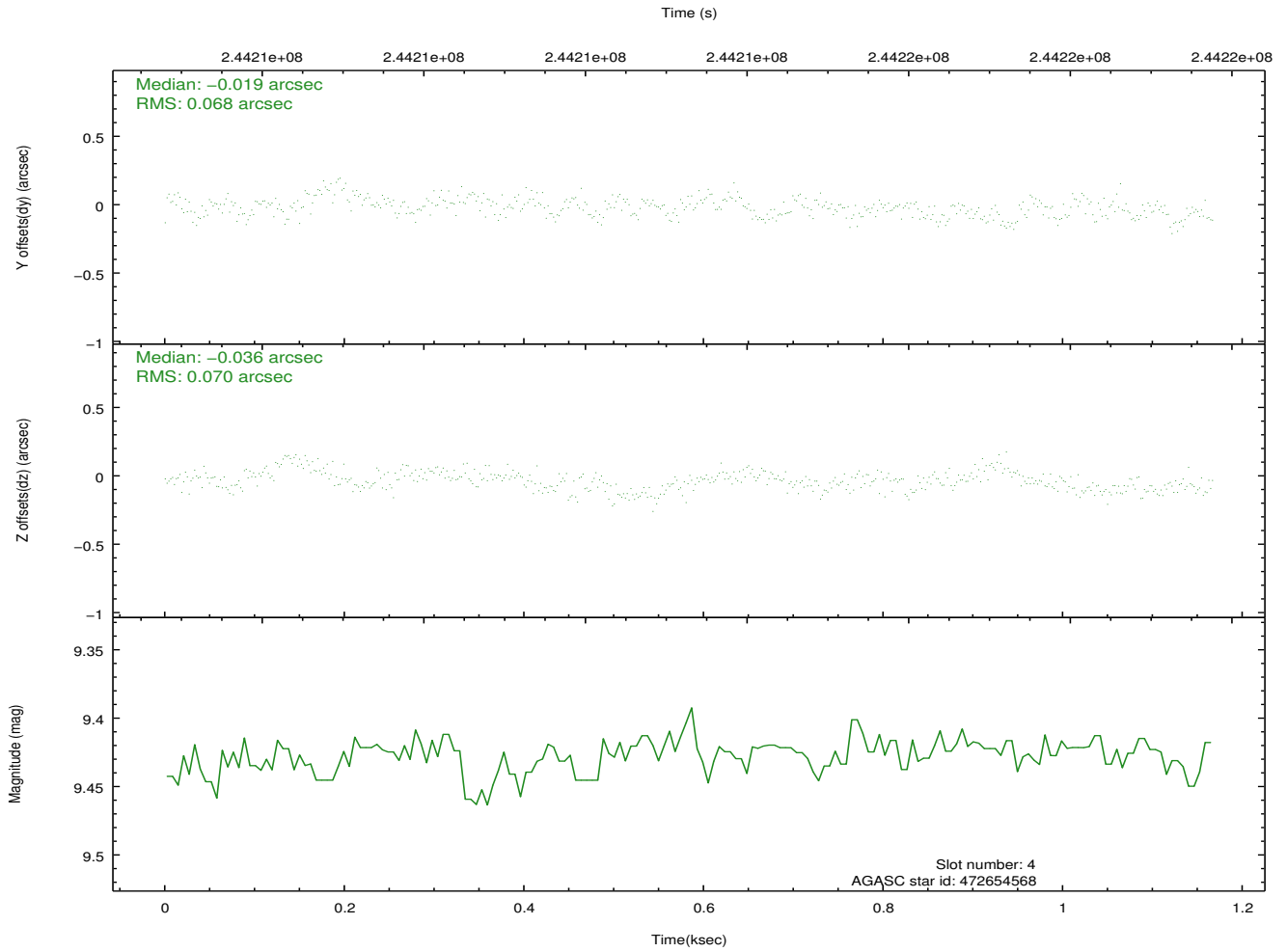
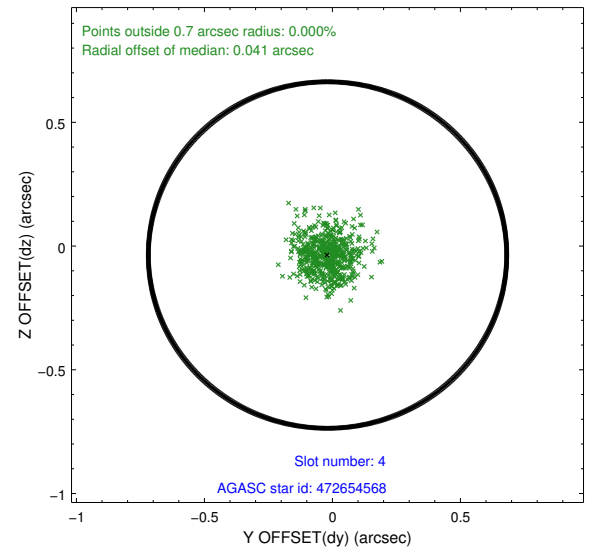
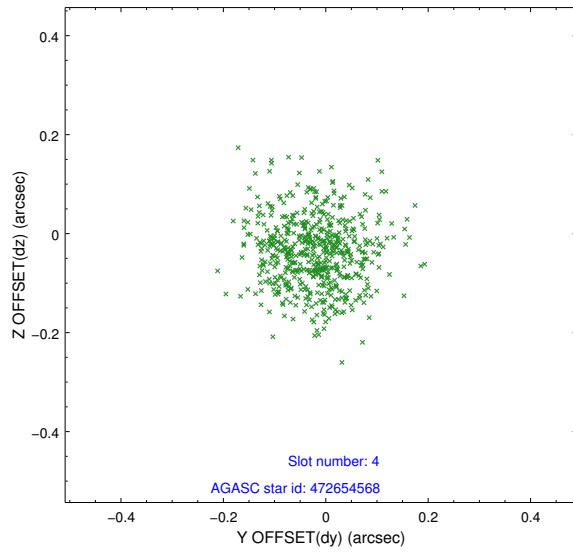
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-2	7.02	284	0.094	-0.082	0.006	0.011	0.000000	0.000000	848.27	-1298.36
1	FID	HRC-I-3	7.06	285	-0.071	0.030	0.006	0.012	0.000000	0.000000	-1190.05	1003.32
2	FID	HRC-I-4	7.00	285	0.098	-0.036	0.006	0.010	0.000000	0.000000	1274.25	1008.95
3	GUIDE	472523760	8.25	570	-0.016	0.038	0.066	0.105	331.645363	45.403260	1868.90	-286.79
4	GUIDE	472654568	9.43	570	-0.019	-0.036	0.105	0.173	332.194449	45.063576	1661.17	1553.53
5	GUIDE	472661712	10.02	570	0.141	-0.115	0.130	0.203	331.914954	46.059715	-218.88	-1577.47
6	GUIDE	472665256	9.00	570	-0.002	0.007	0.094	0.168	332.808125	46.195041	-2207.34	-458.98
7	GUIDE	472659832	9.46	568	-0.111	0.134	0.092	0.143	332.780399	46.098139	-1927.85	-241.66

## 2.4 Star Slots

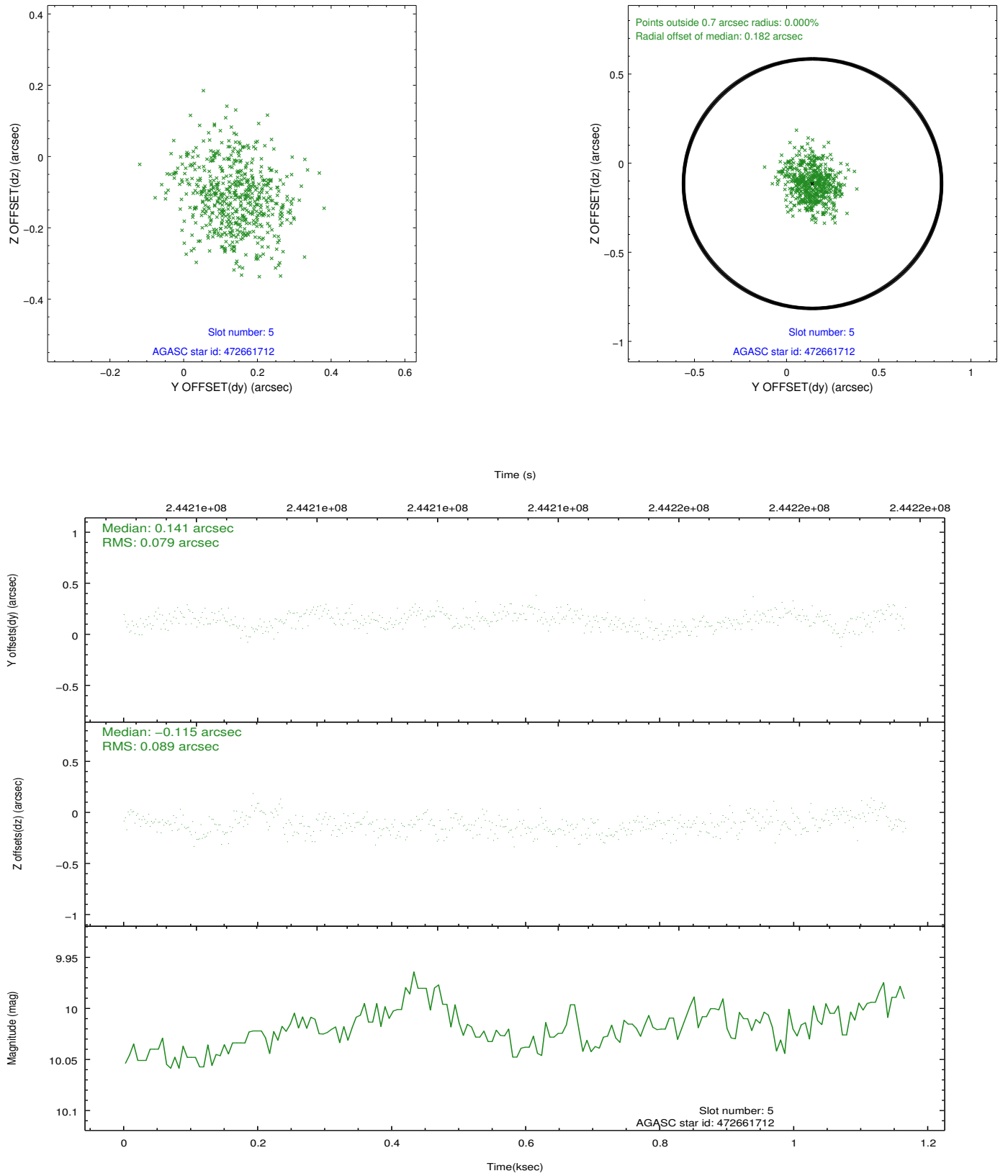
### 2.4.1 Slot 3



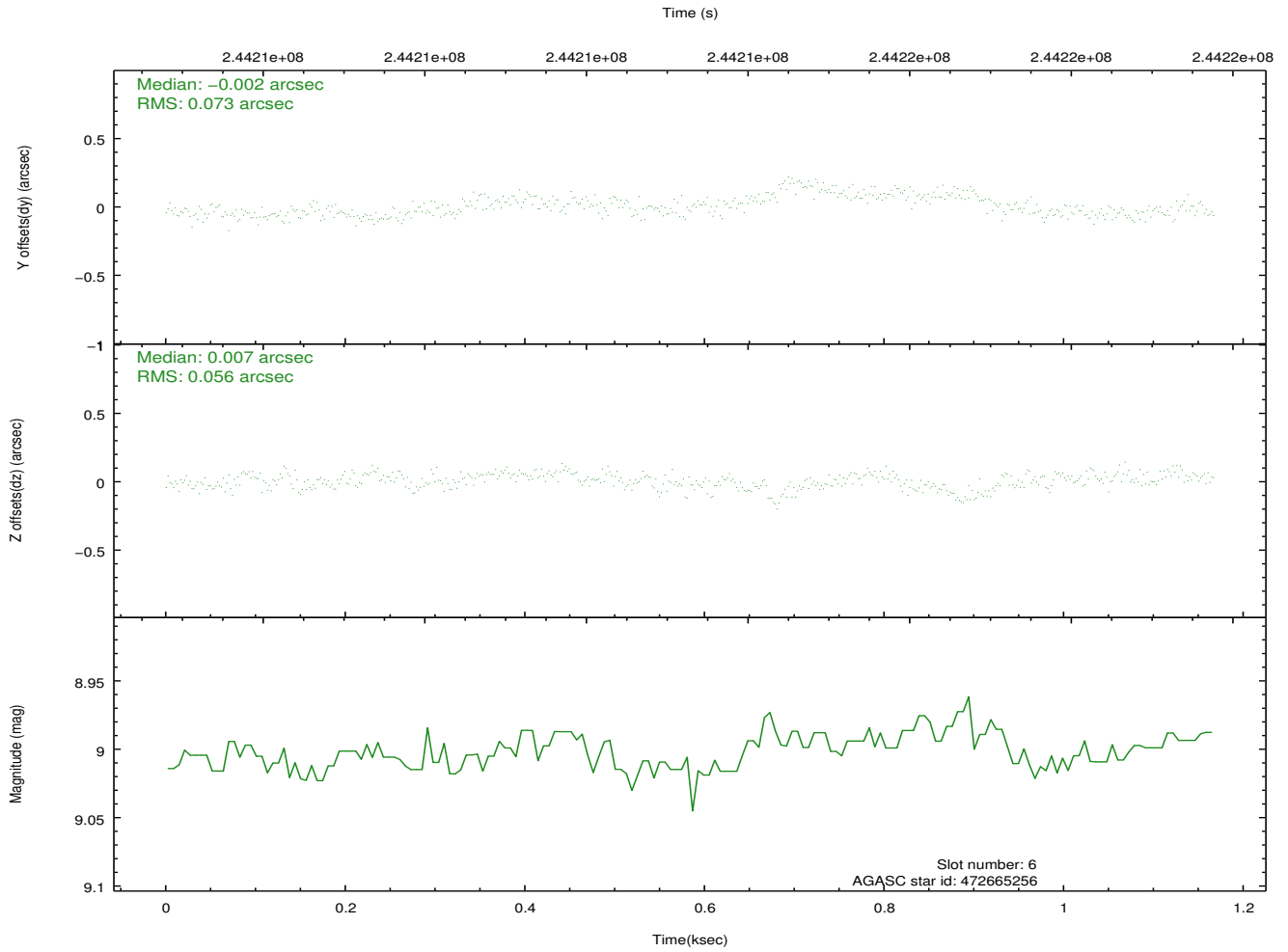
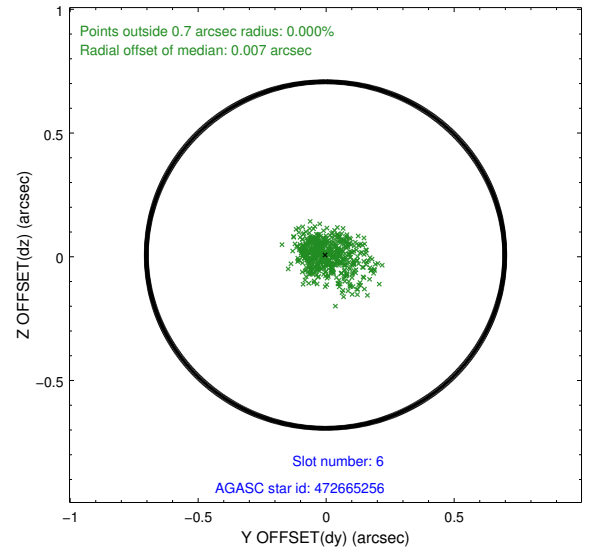
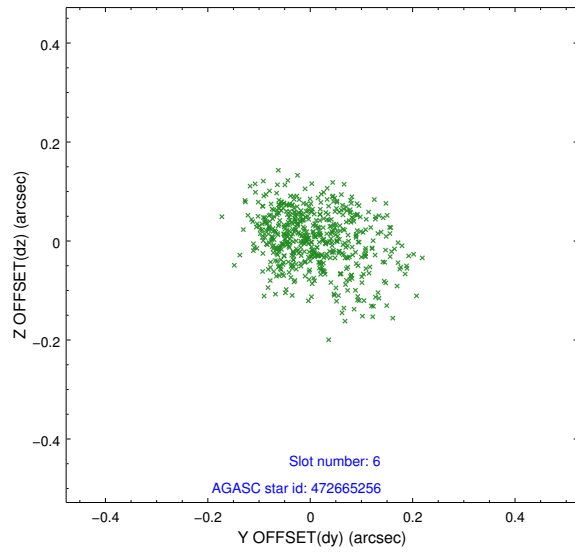
## 2.4.2 Slot 4



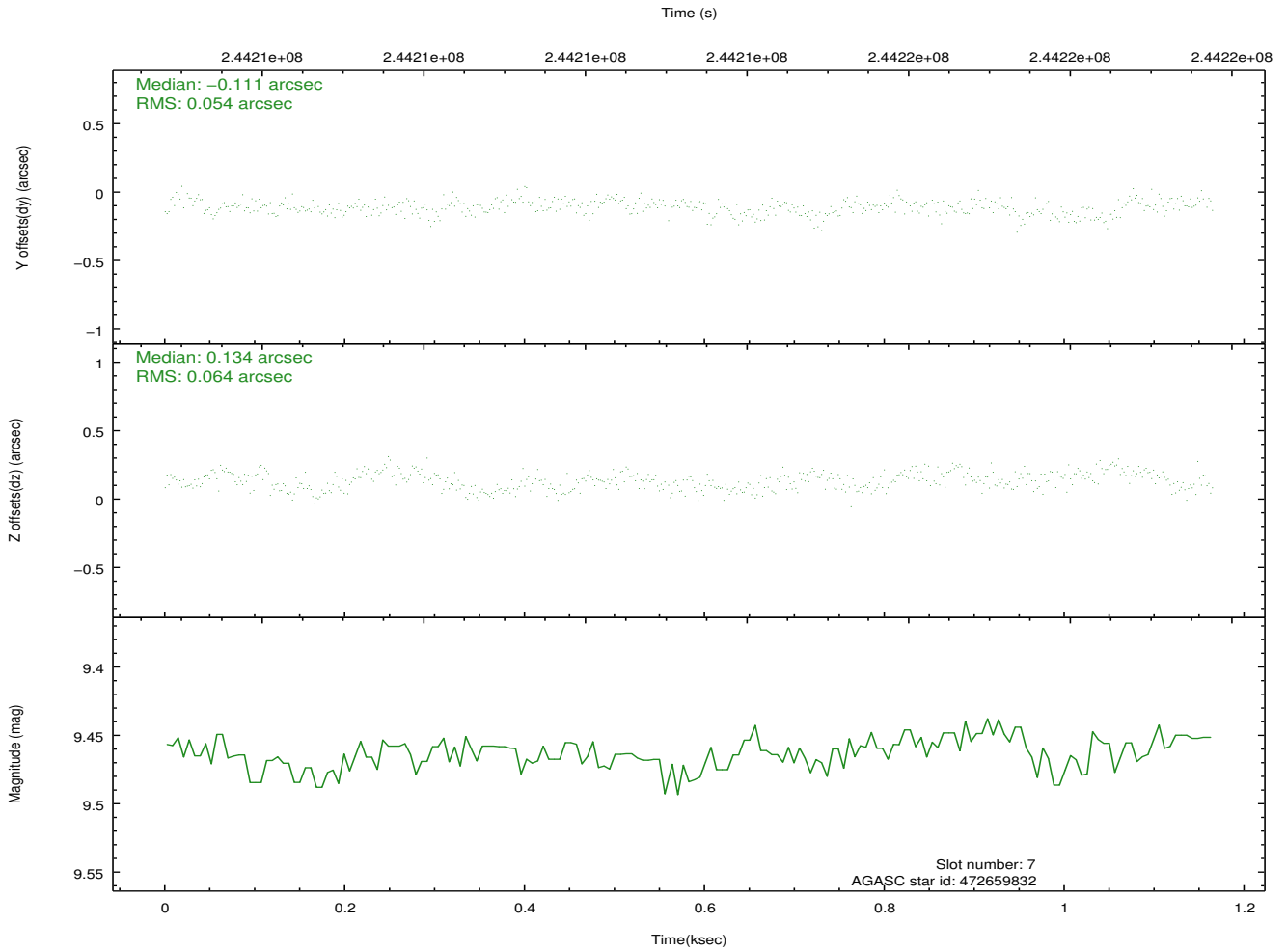
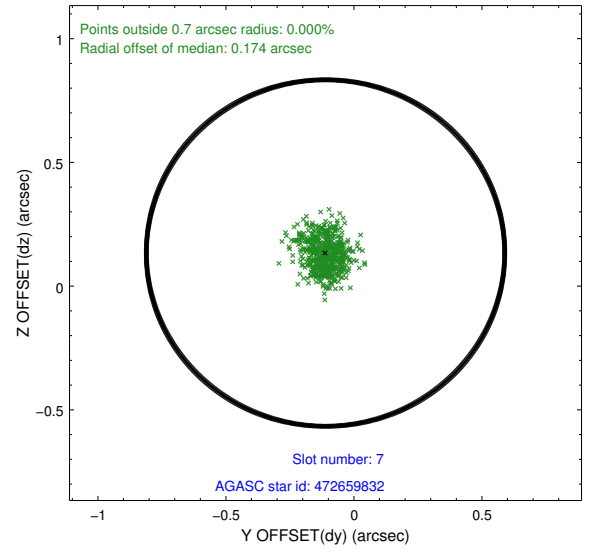
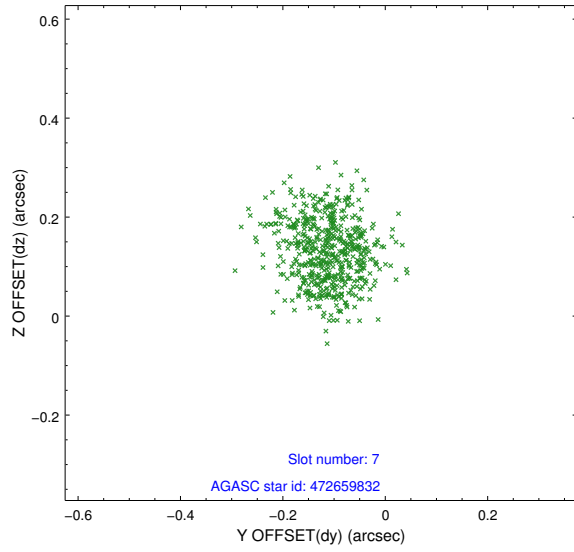
### 2.4.3 Slot 5



## 2.4.4 Slot 6

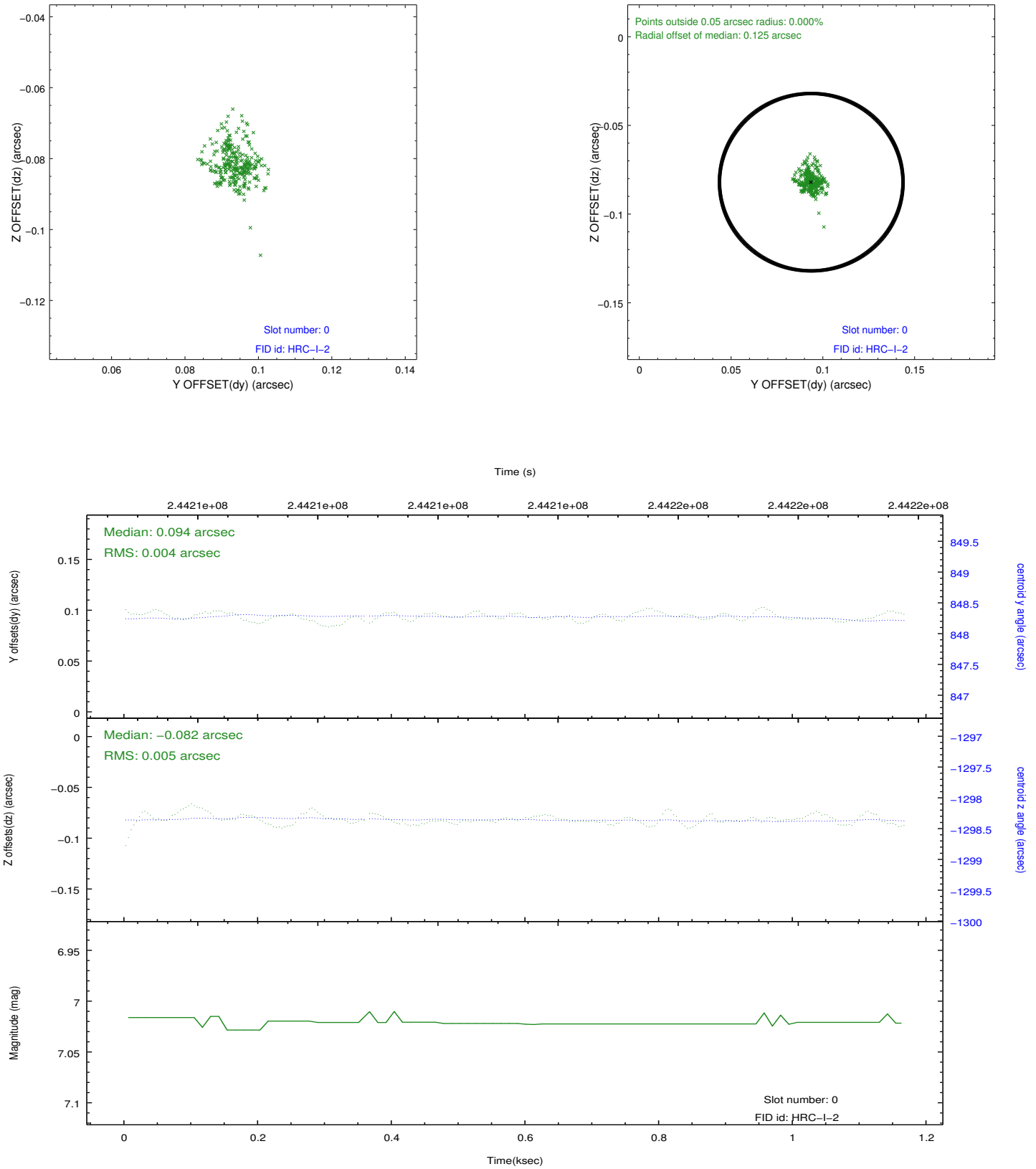


## 2.4.5 Slot 7

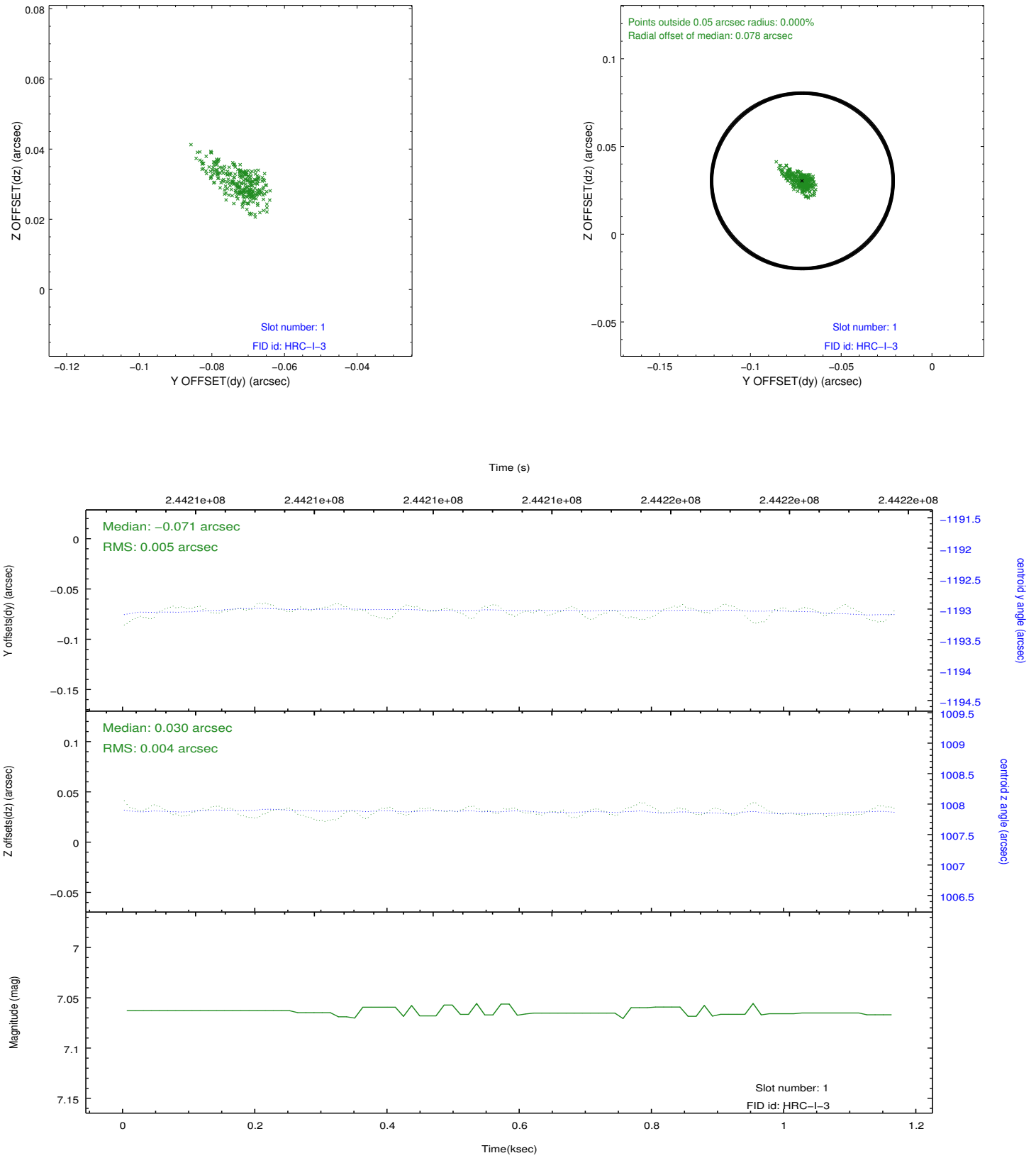


## 2.5 FID Slots

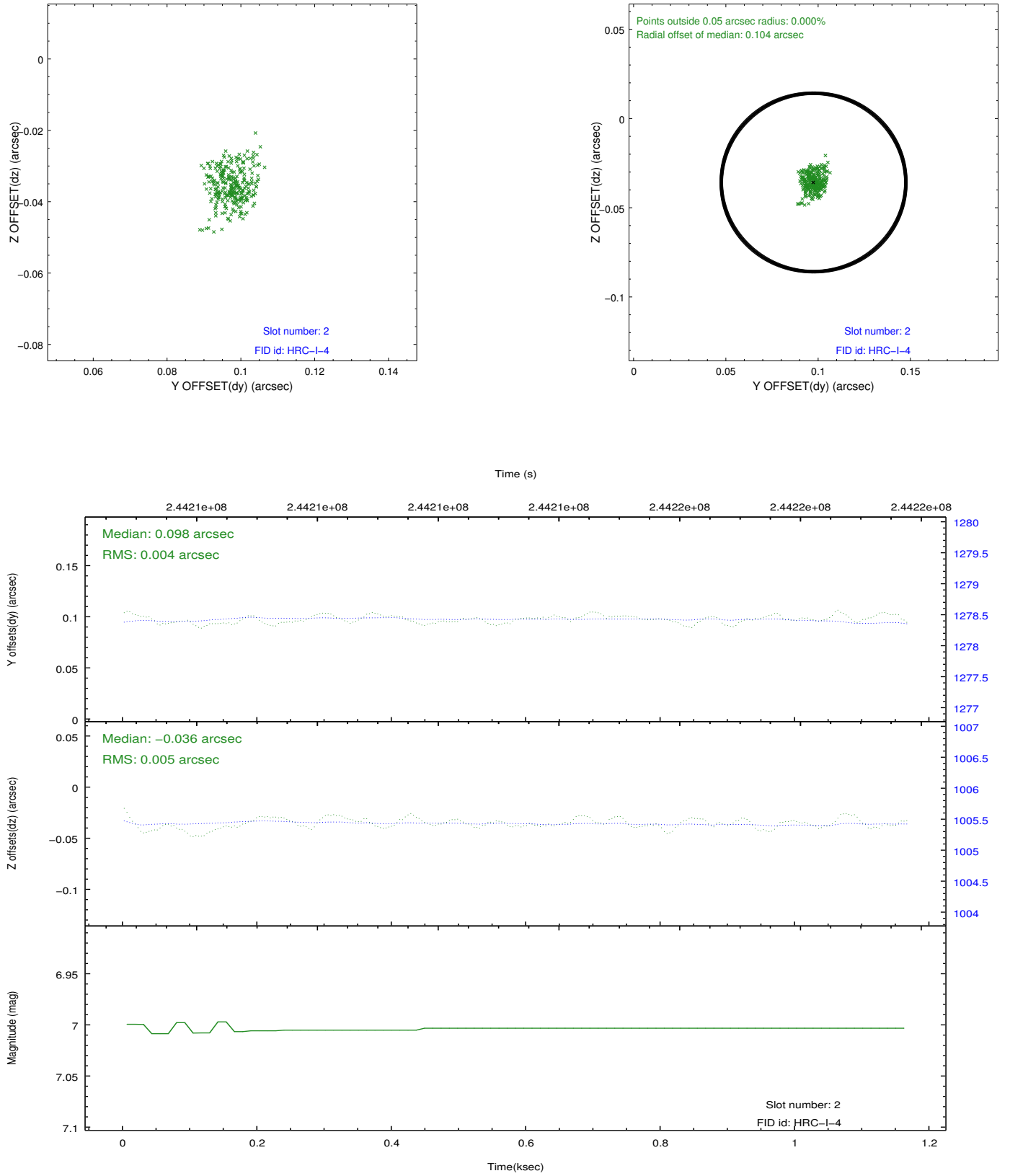
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2013.01.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.165425

### A.2 Comments