

# V&V Reference Report

## L2 ASCDS Version : 8.5

Observation 5105 - L2 Version 3  
Chandra X-Ray Center

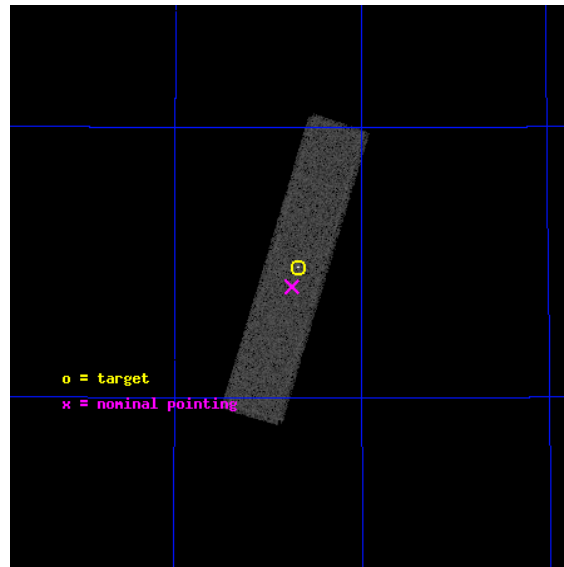
L2 Processing Date : Dec 11 2012

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# 1 Front

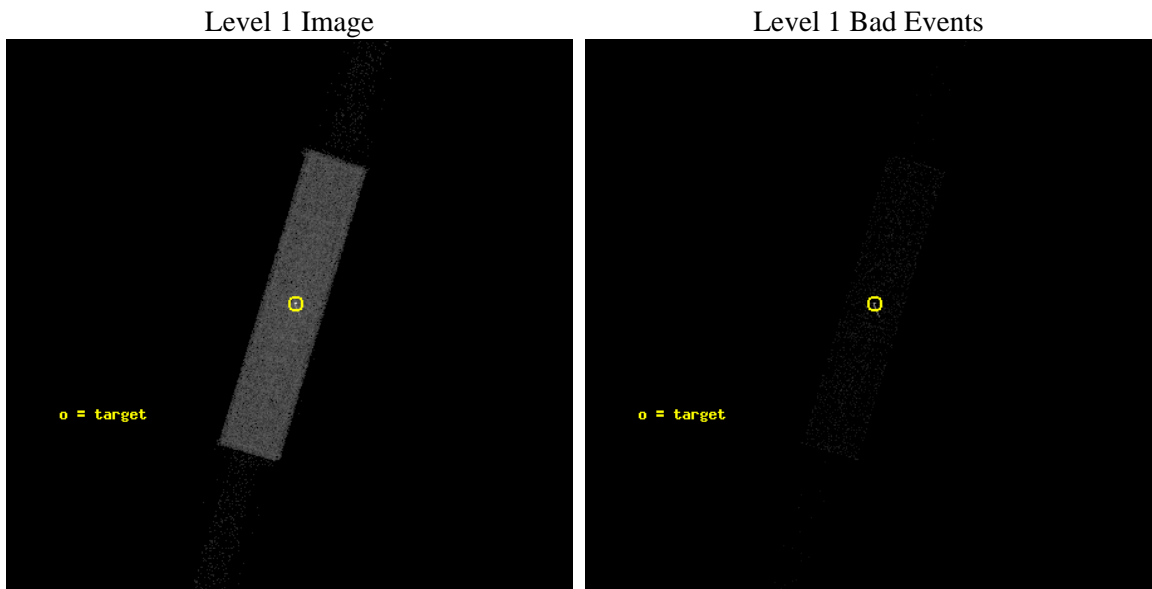
seq_num	290378	Sequence number
obs_id	5105	Observation id
title	AO5B Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.18661991615	Nominal RA [deg]
dec_nom	45.706094033374	Nominal Dec [deg]
roll_nom	286.88654256475	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1050.8812972903	[s]
livetime	1043.9676075919	Ontime multiplied by DTCOR
l2events	48015	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	1050.8812972903	[s]
caldsver	4.5.4	&#160	l1events	80046	Number of level 1 events
date	2012-12-11T23:53:50	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

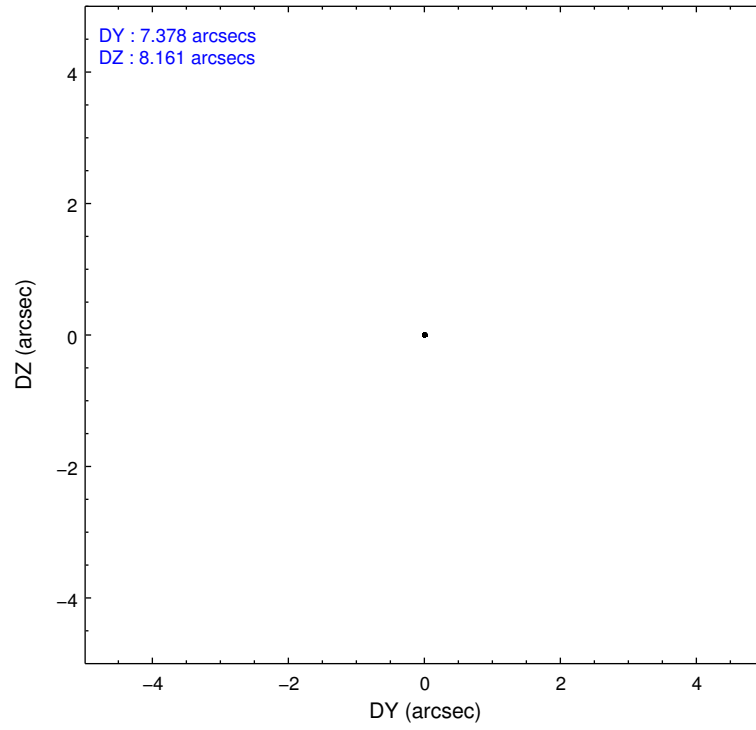
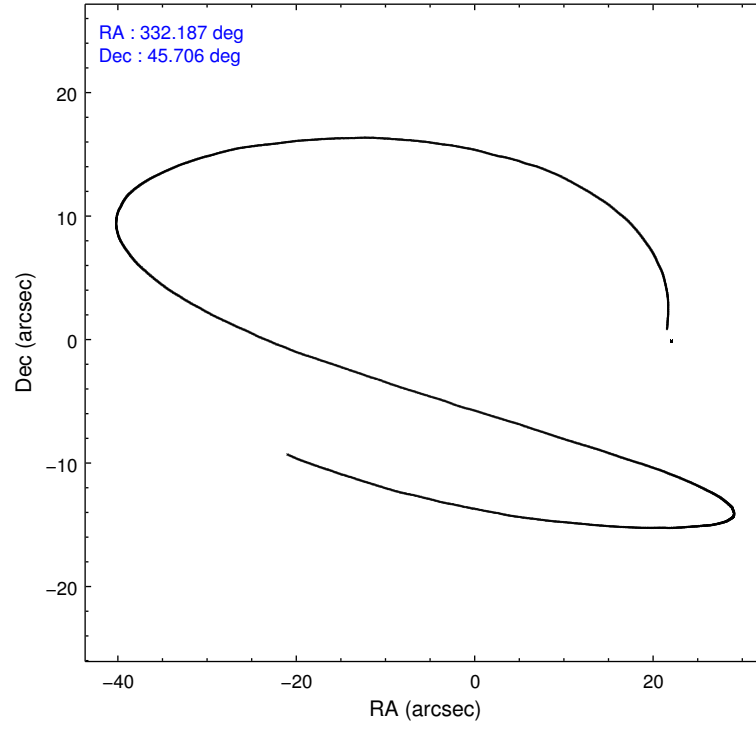
Level 1 Events

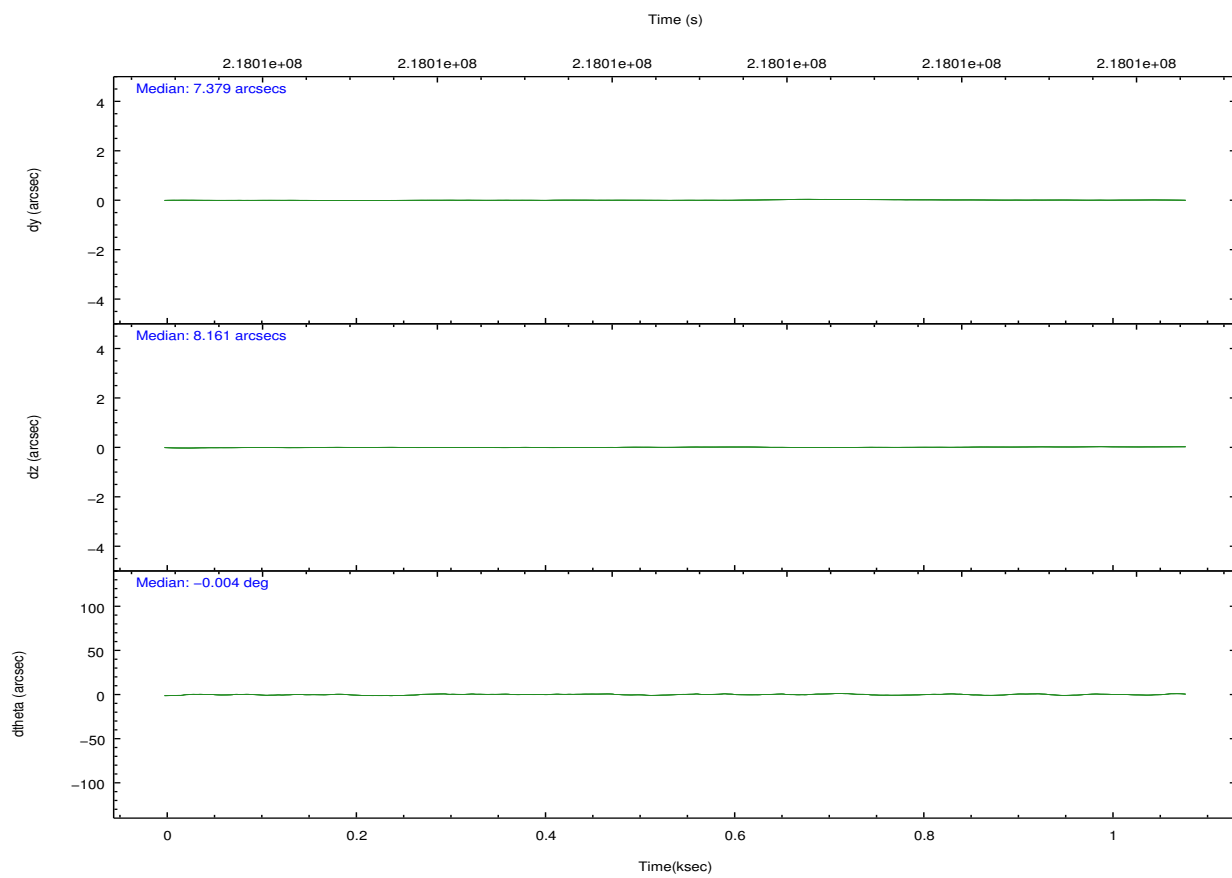
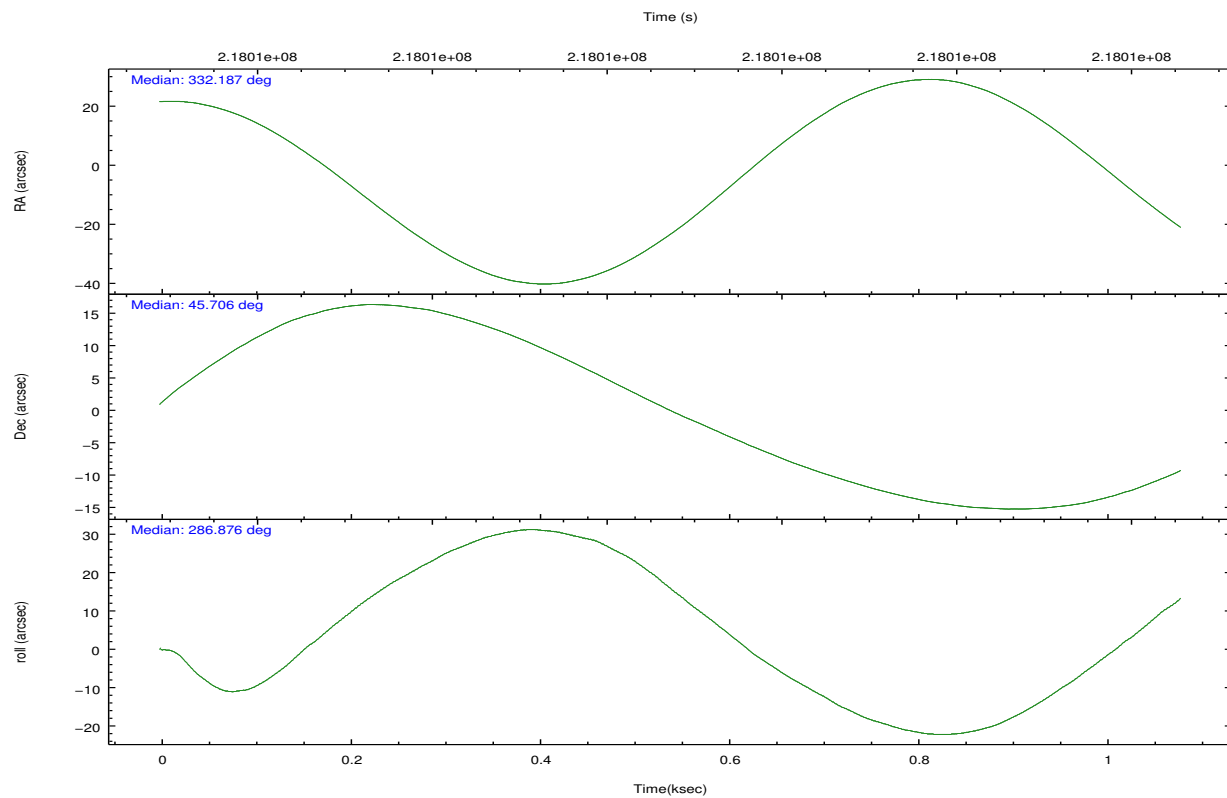
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	806	78510	730
rejected events	806	19630	730
rejected %	100%	25%	100%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-S	HRC-S	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	332.154327	332.1866199161491			
[deg] Pointing Dec	45.724364	45.70609403337385			
[deg] Pointing Roll	286.842263	286.8865425647457			
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	218012913.184000	218012537.16842			
Observation start date	2004-11-28T07:07:29	2004-11-28T07:02:17			
[s] Observation end time (MET)	218013813.184000	218013946.54348			
Observation end date	2004-11-28T07:22:29	2004-11-28T07:25:46			

## 2.3 Aspect





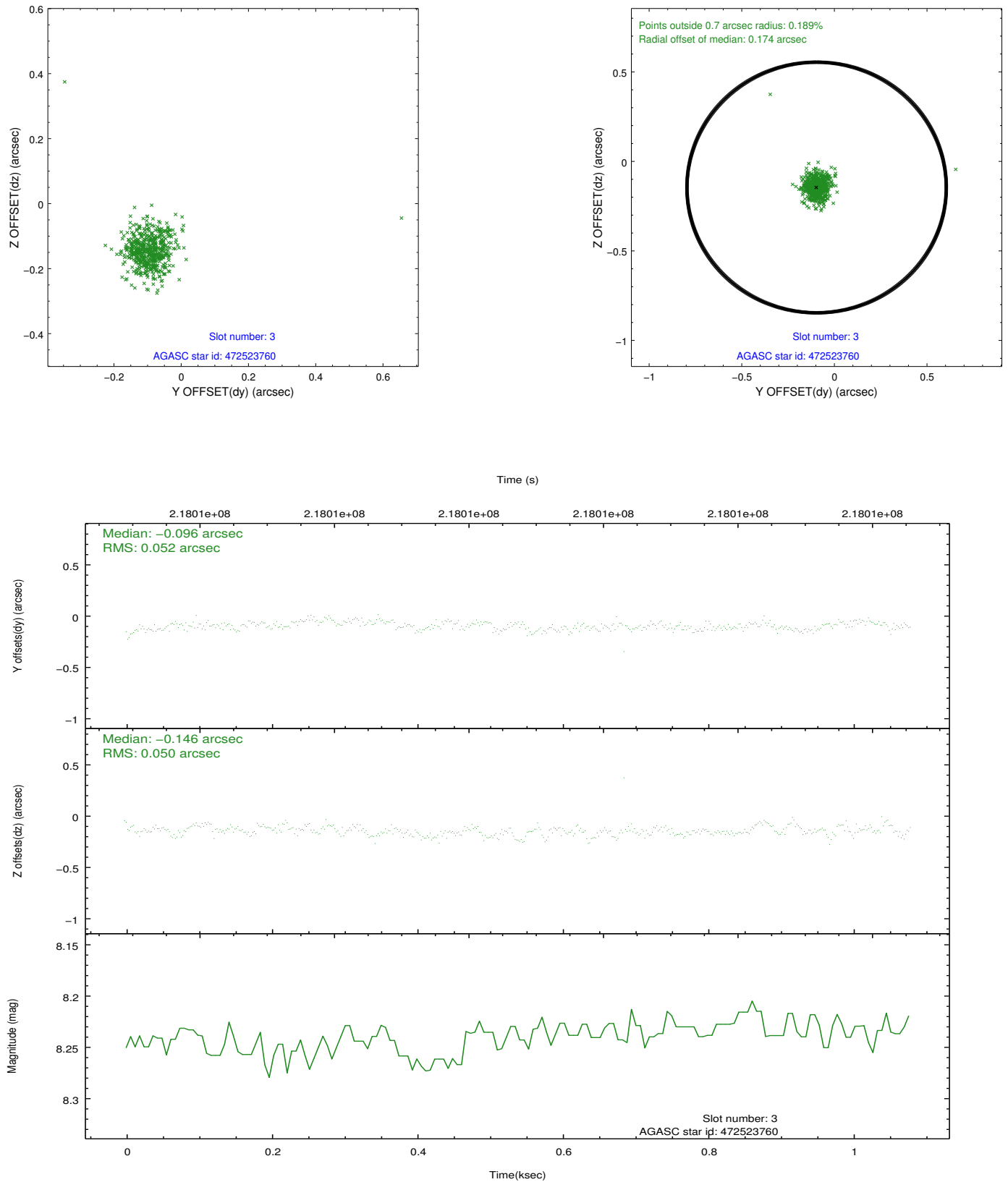
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.04	264	0.131	-0.120	0.006	0.011	0.000000	0.000000	-1161.54	-456.76
1	FID	HRC-S-2	7.04	264	0.165	-0.116	0.005	0.008	0.000000	0.000000	1233.77	-451.11
2	FID	HRC-S-3	7.05	264	0.093	-0.066	0.006	0.011	0.000000	0.000000	-1159.63	571.11
3	GUIDE	472523760	8.24	528	-0.096	-0.146	0.062	0.104	331.645363	45.403260	730.36	-1567.72
4	GUIDE	472527720	7.01	528	0.026	-0.018	0.102	0.159	331.460205	45.112509	1592.25	-2329.21
5	GUIDE	472654568	9.44	523	0.126	0.037	0.109	0.182	332.194449	45.063576	2310.14	-598.12
6	GUIDE	472655152	9.44	527	0.029	0.080	0.106	0.168	332.504239	45.862991	-220.60	981.06
7	GUIDE	472659832	9.46	526	-0.083	0.058	0.117	0.203	332.780399	46.098139	-841.31	1886.65

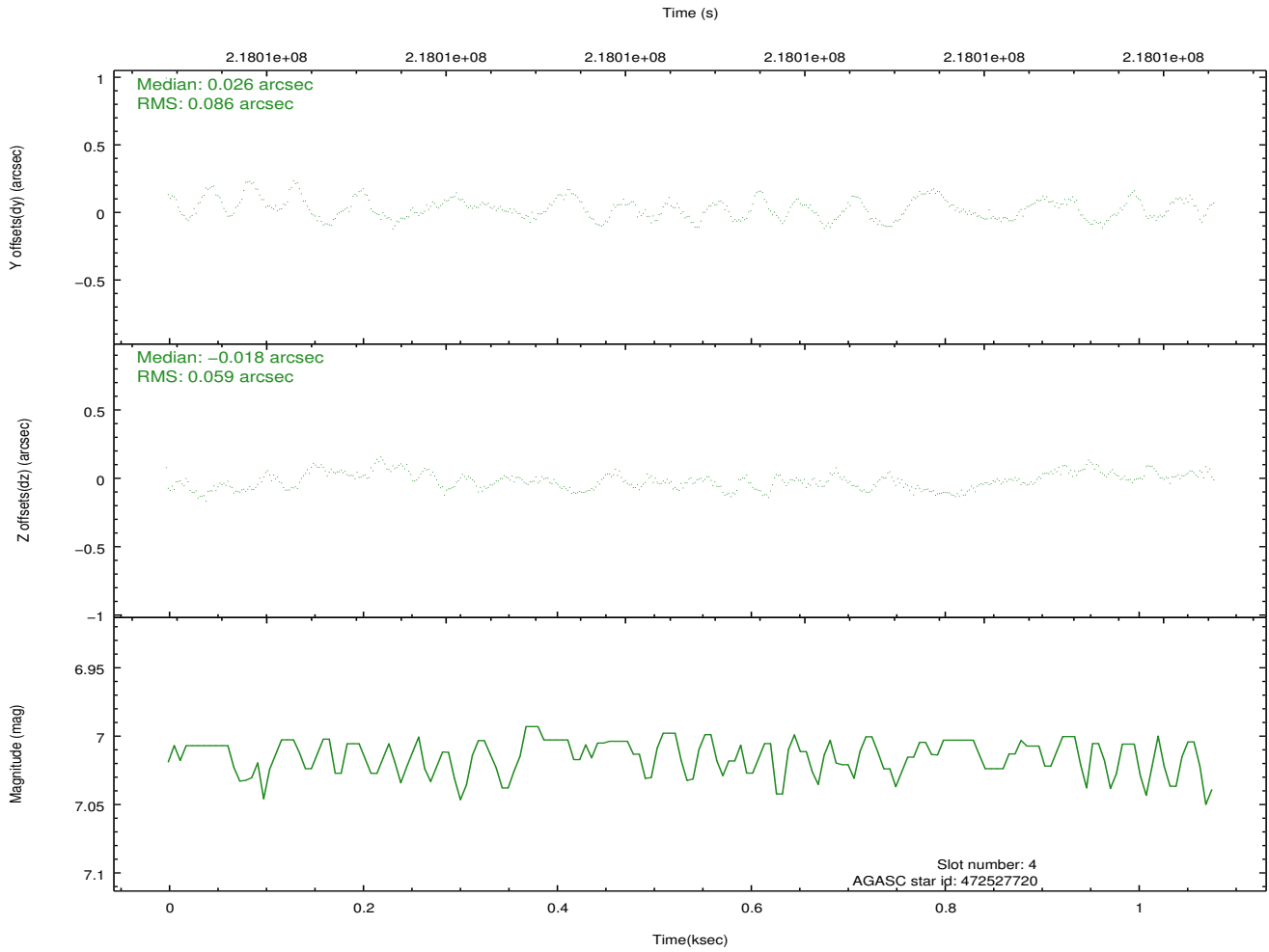
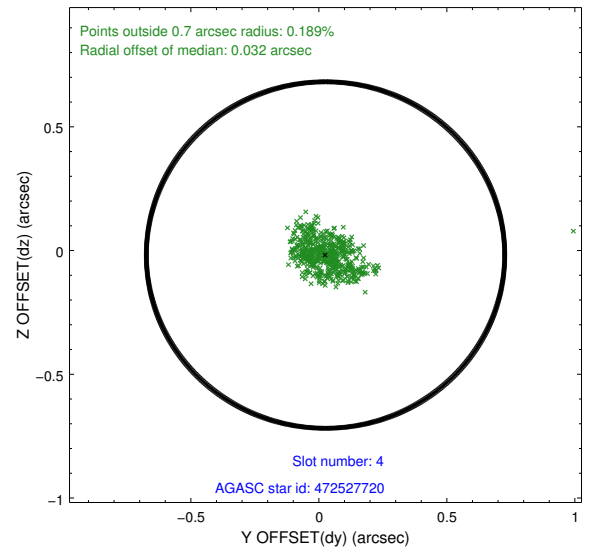
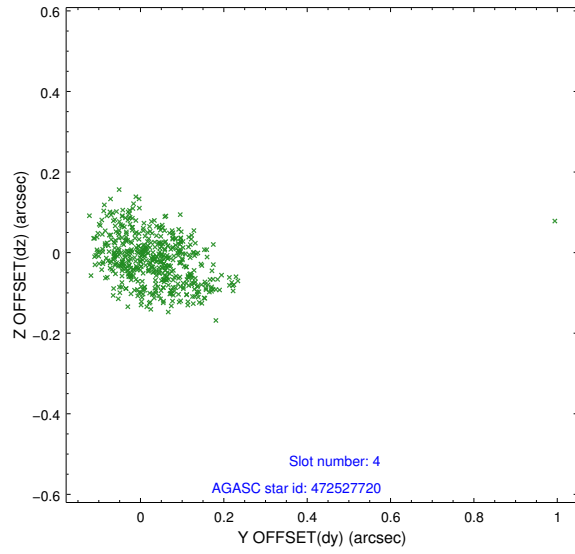


## 2.4 Star Slots

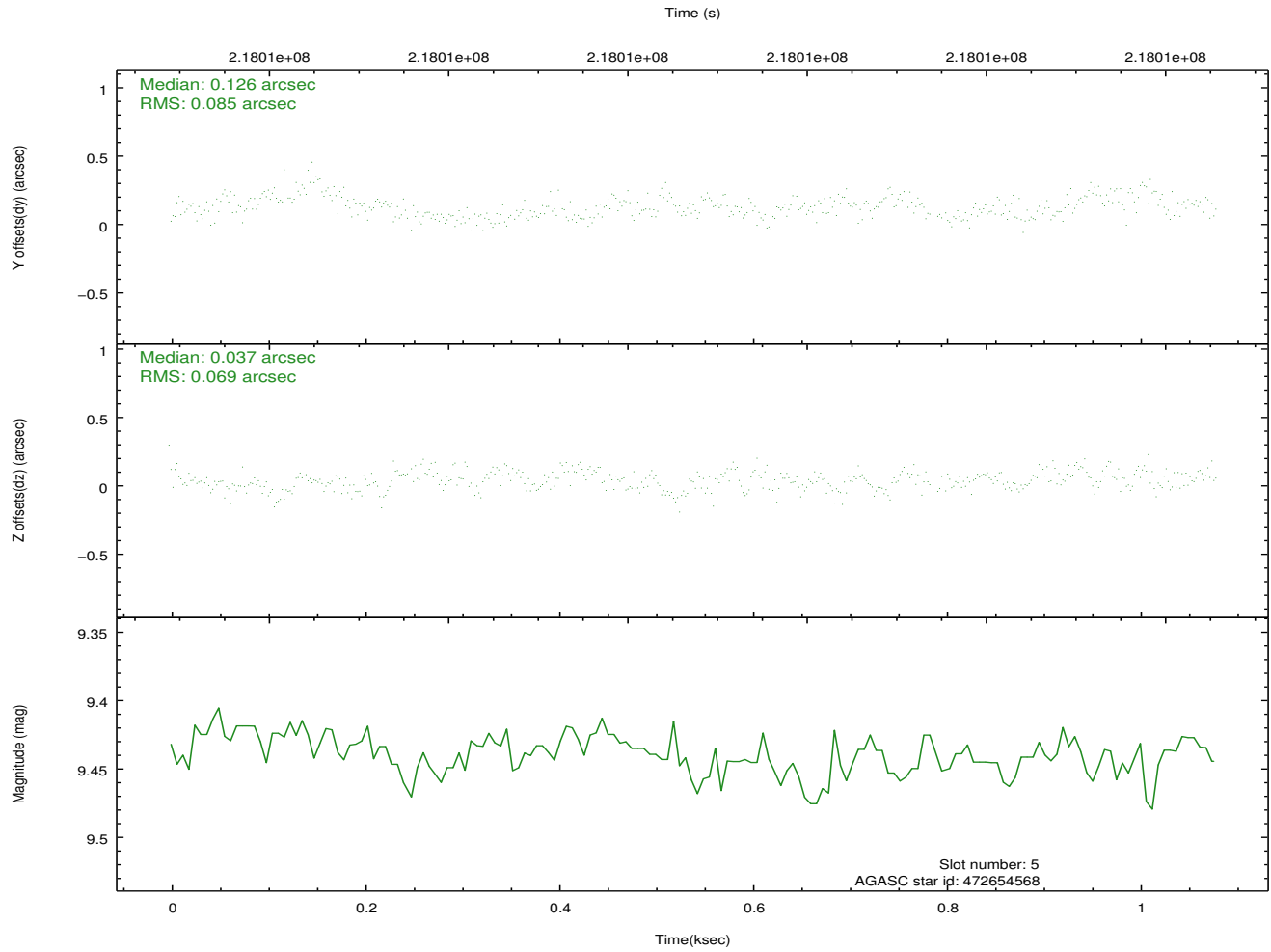
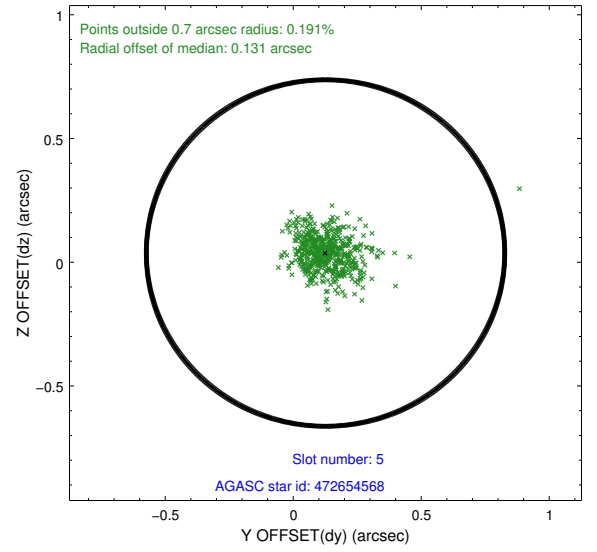
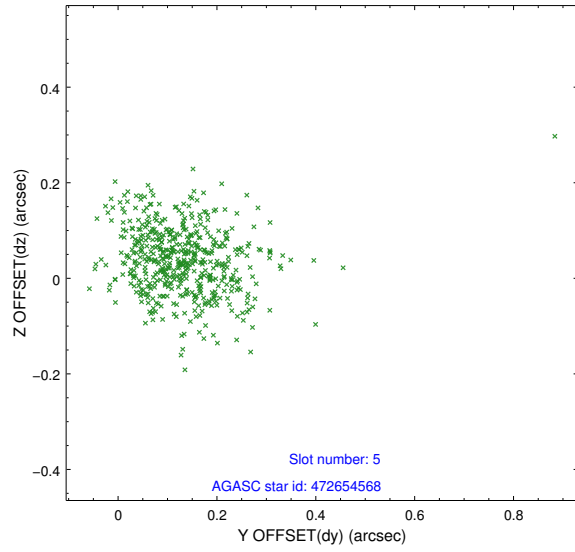
### 2.4.1 Slot 3



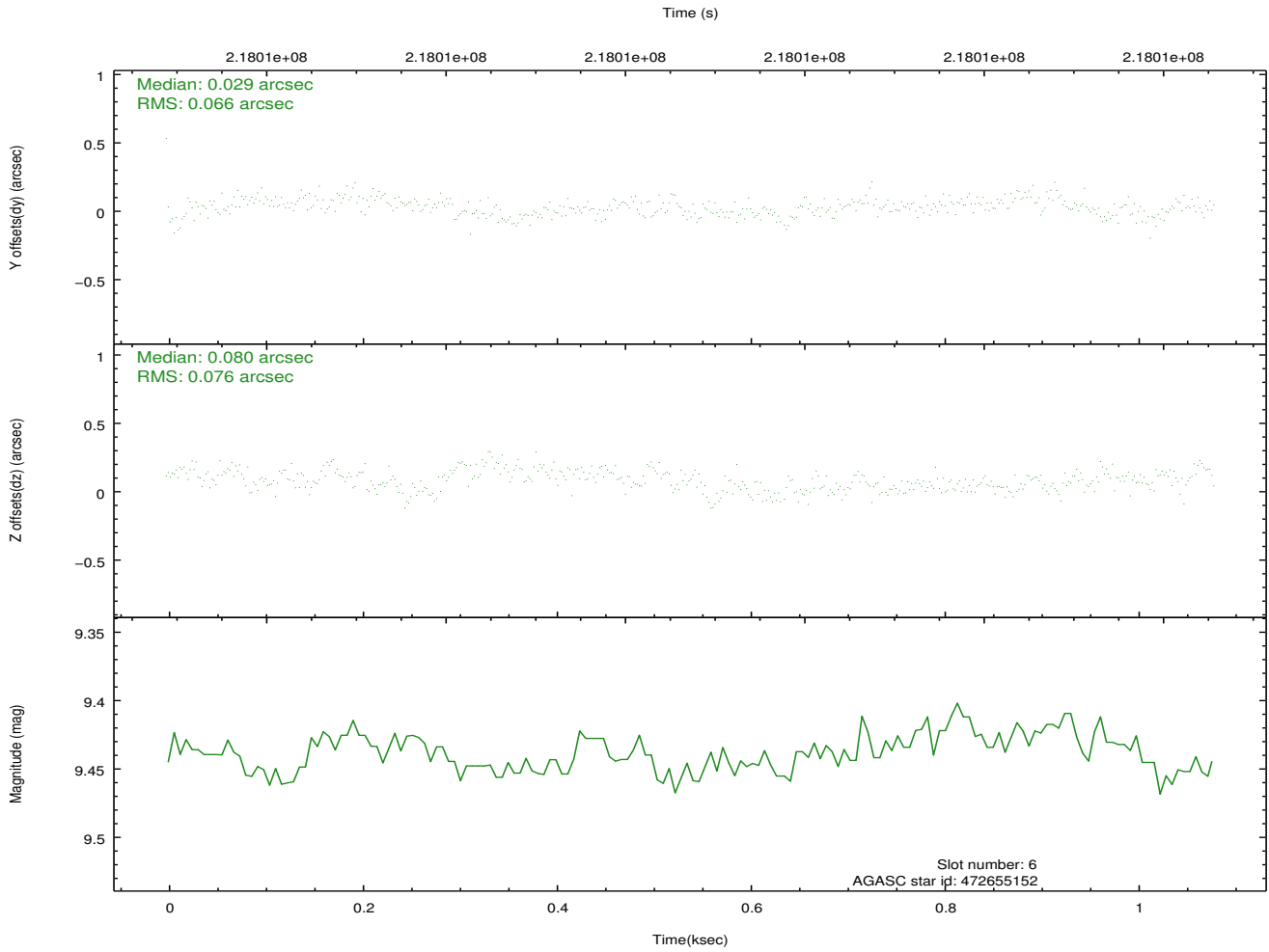
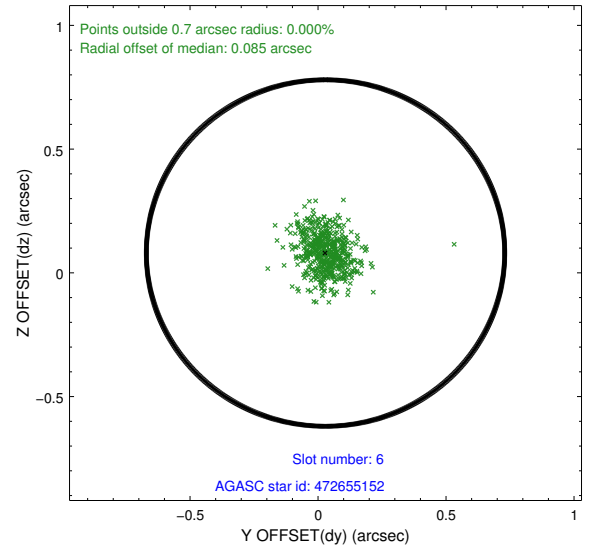
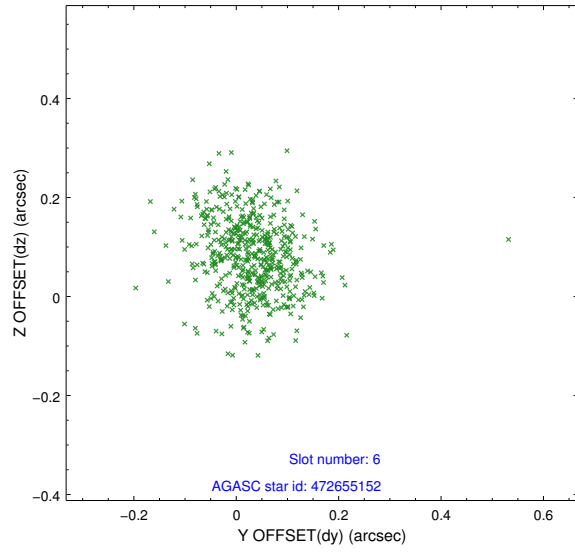
## 2.4.2 Slot 4



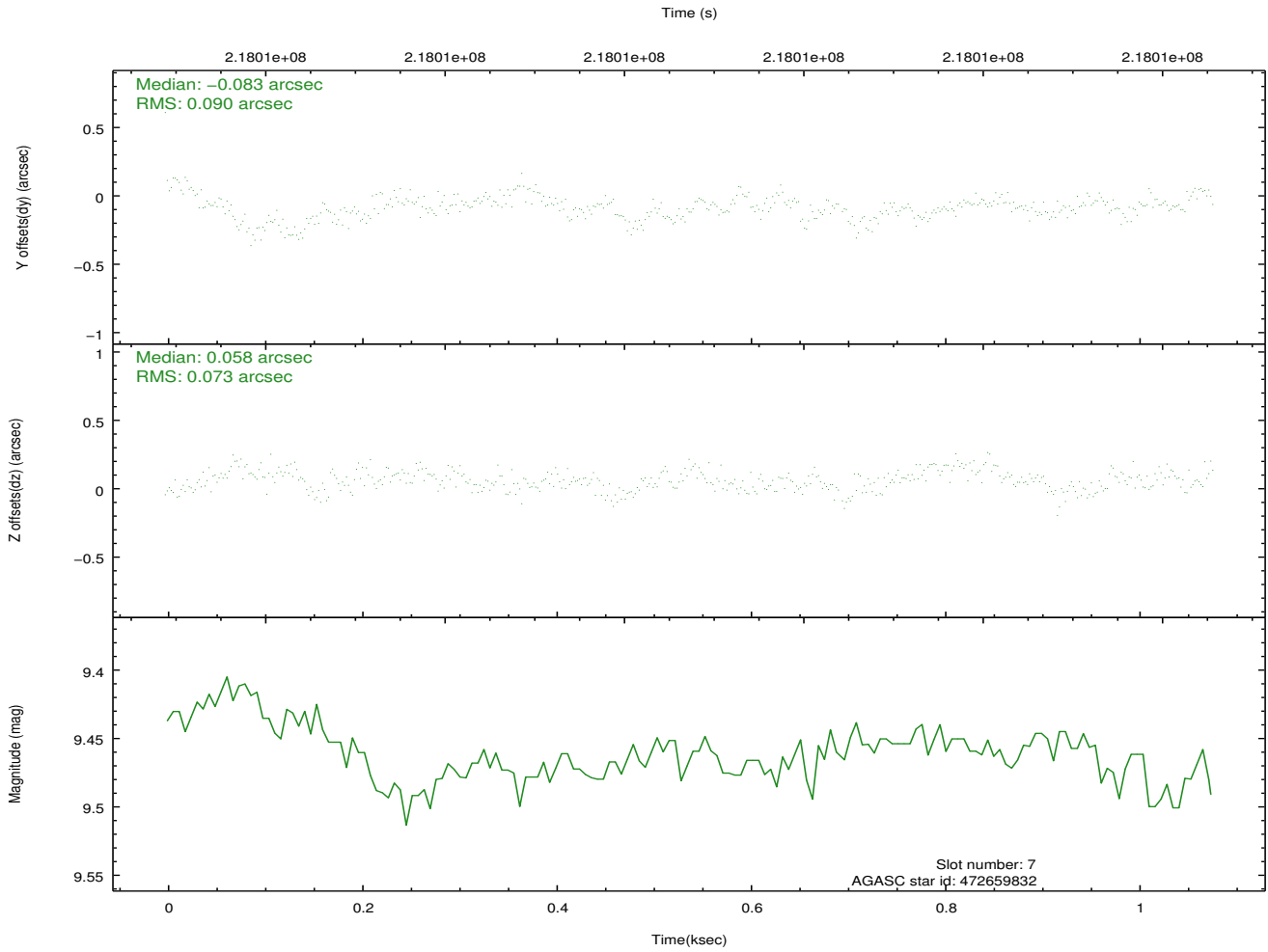
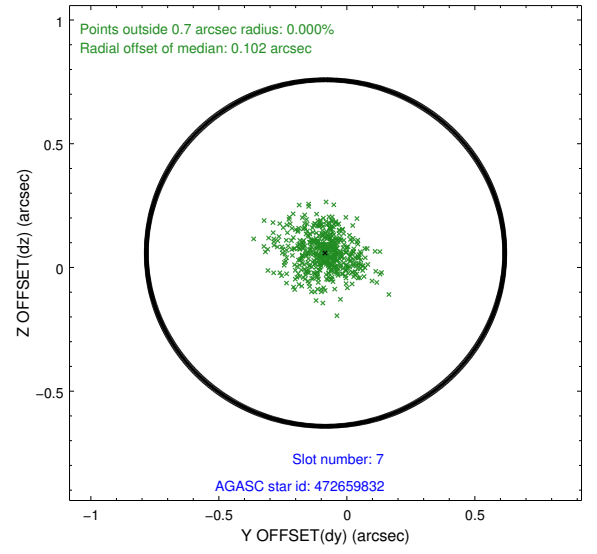
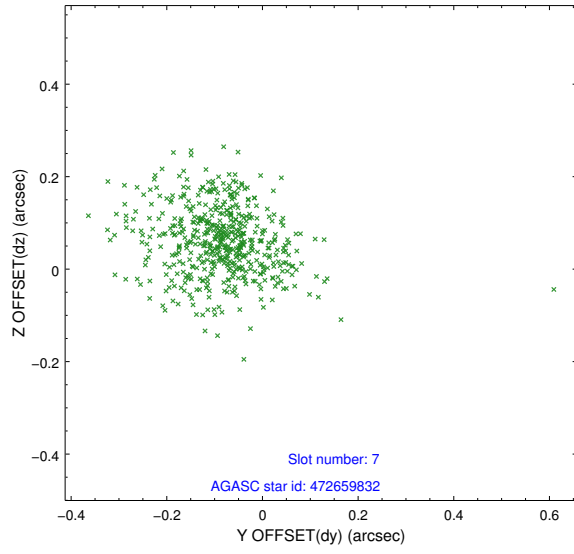
### 2.4.3 Slot 5



## 2.4.4 Slot 6

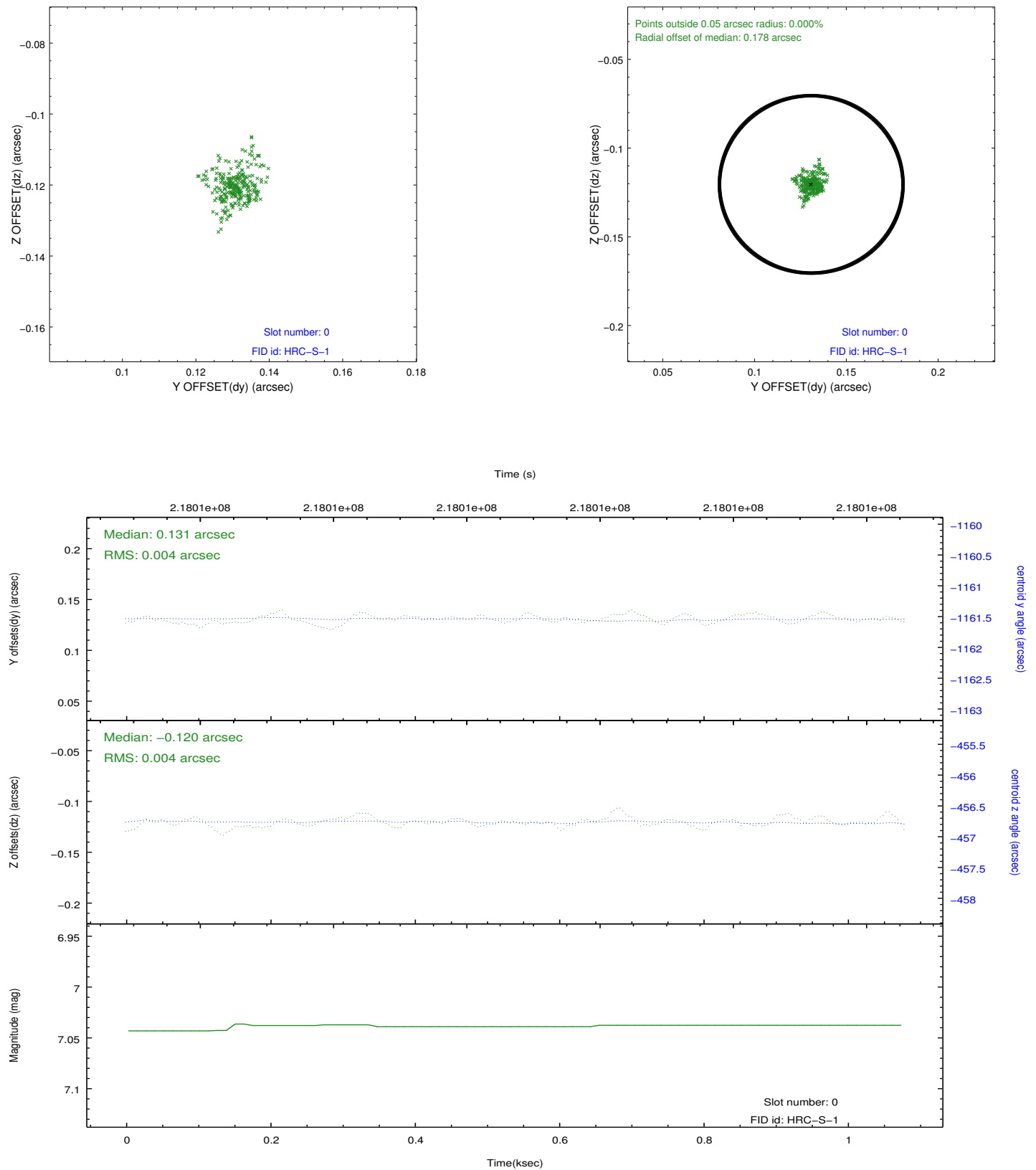


## 2.4.5 Slot 7

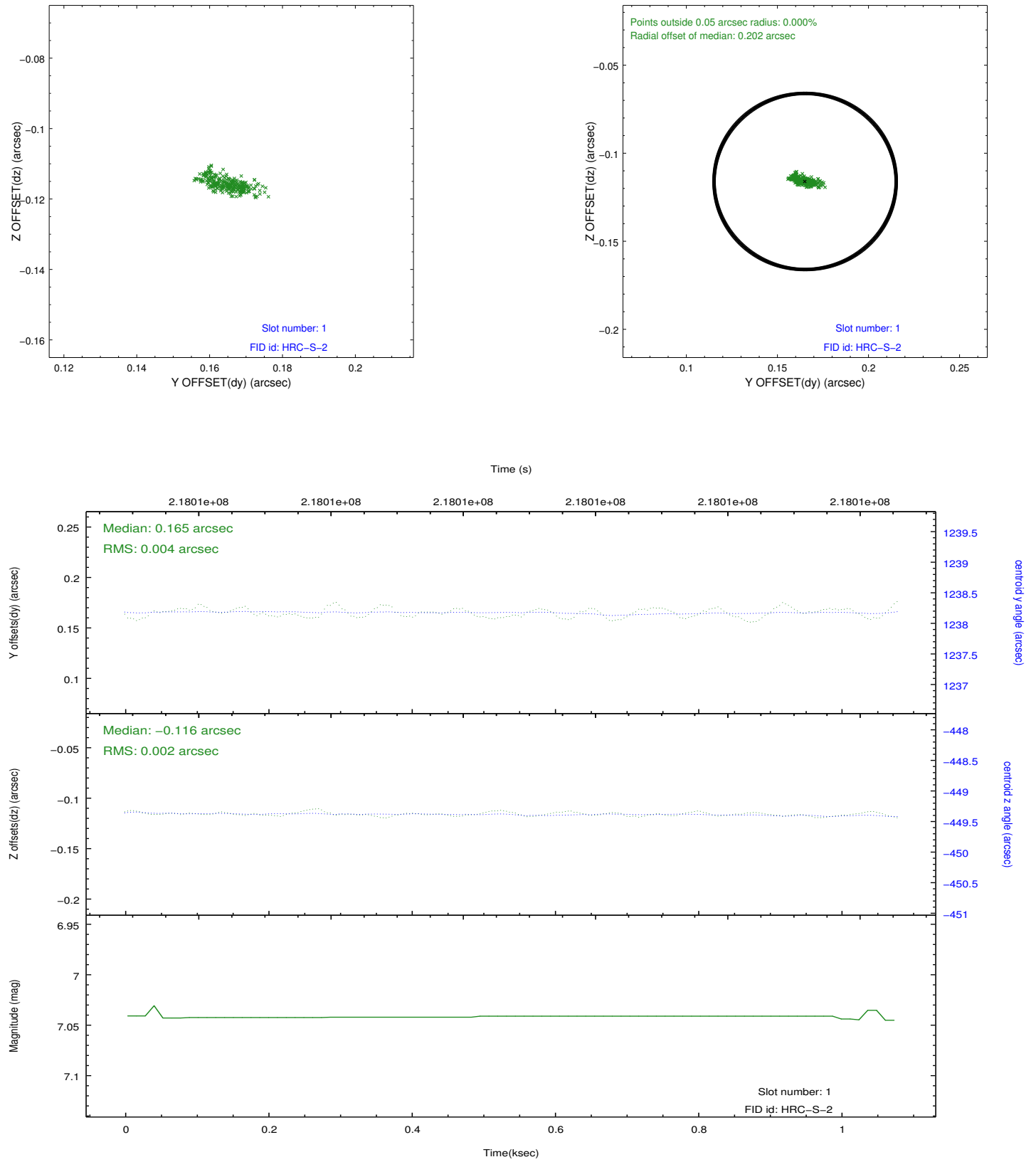


## 2.5 FID Slots

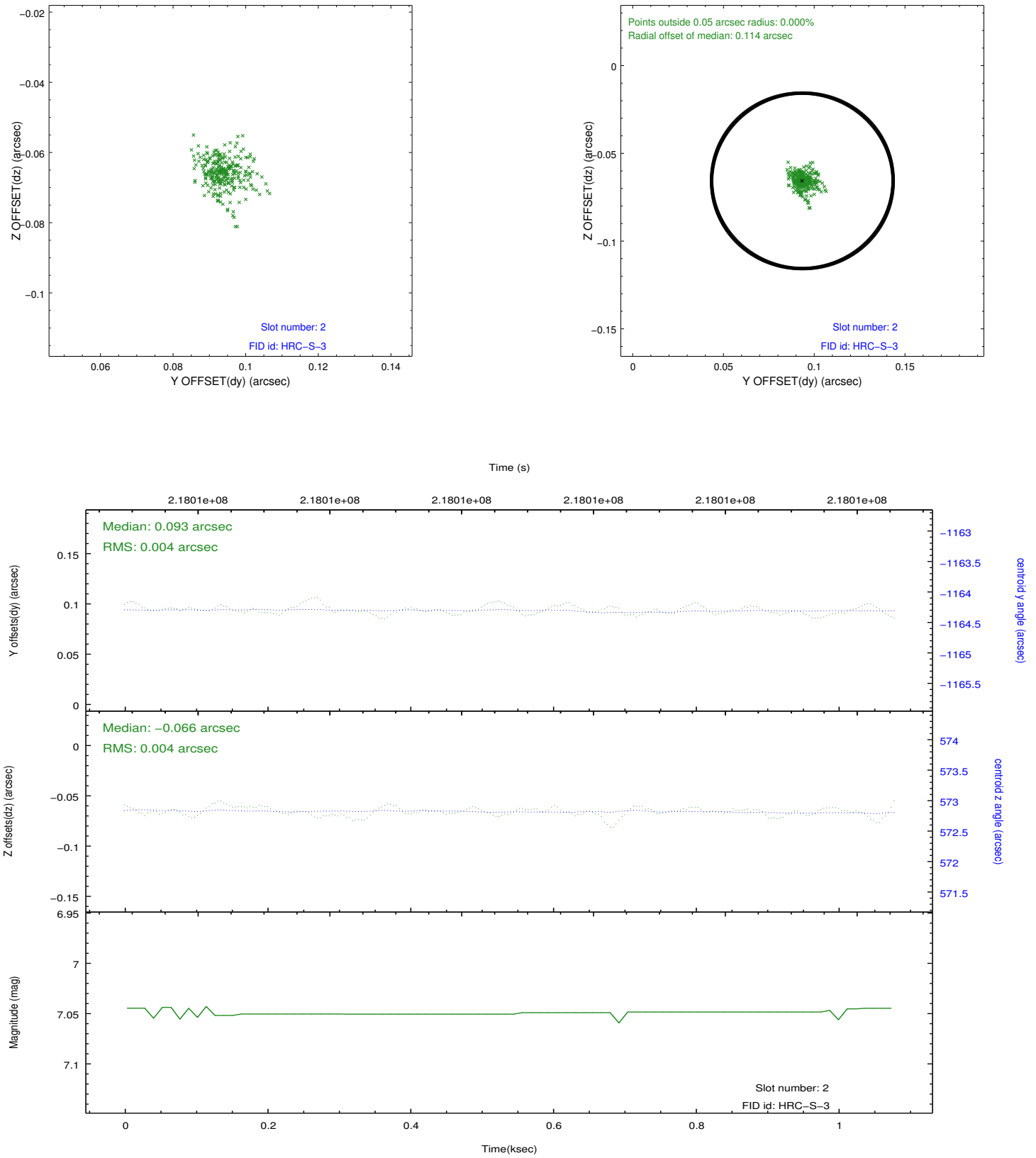
### 2.5.1 Slot 0



## 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)	2013.01.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.050881

### A.2 Comments