

# V&V Reference Report

## L2 ASCDS Version : 8.5.1

Observation 6041 - L2 Version 3  
Chandra X-Ray Center

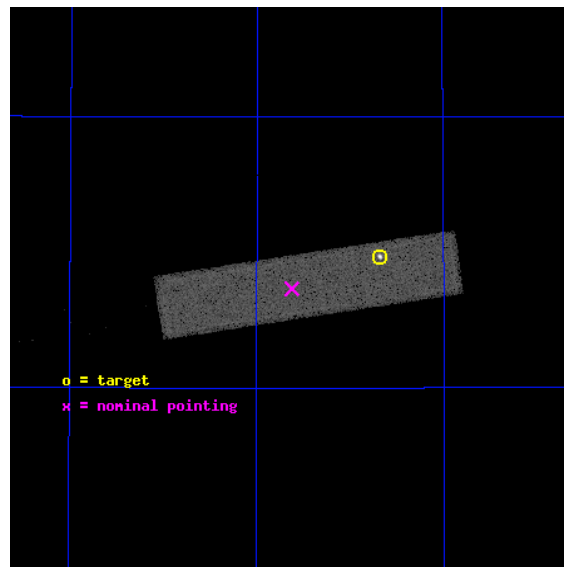
L2 Processing Date : Dec 18 2012

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# 1 Front

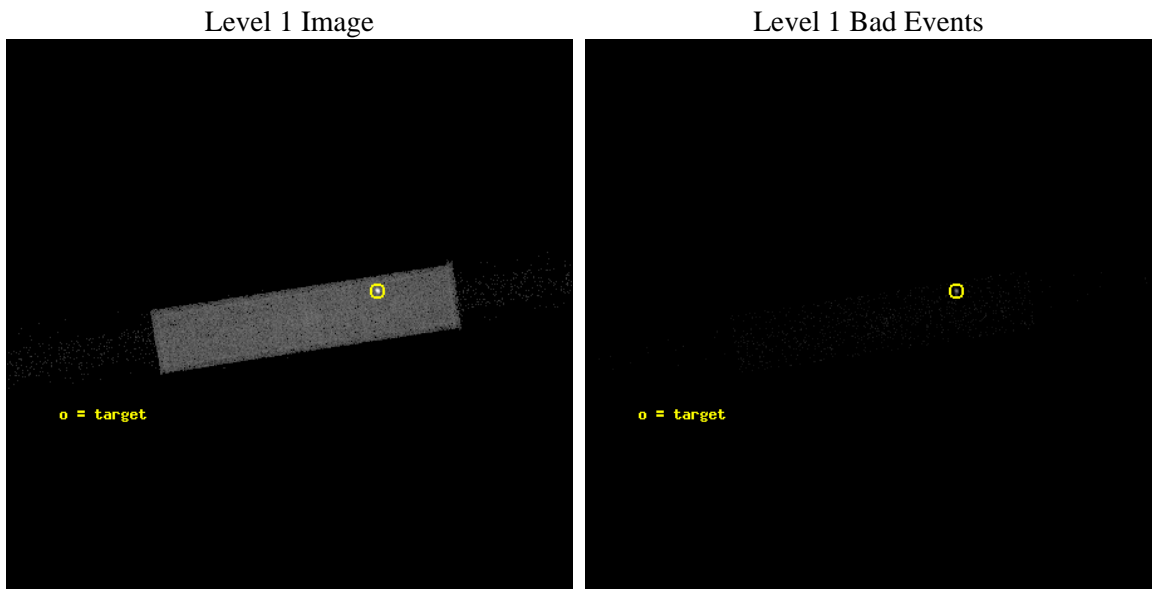
seq_num	290533	Sequence number
obs_id	6041	Observation id
title	AO6A Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.40594315124	Nominal RA [deg]
dec_nom	45.683246705359	Nominal Dec [deg]
roll_nom	351.2514034454	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1157.2250523567	[s]
livetime	1149.7048515431	Ontime multiplied by DTCOR
l2events	54191	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	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1	Processing system revision	ontime	1157.2250523567	[s]
caldsver	4.5.5	&#160	l1events	81979	Number of level 1 events
date	2012-12-17T04:34:41	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

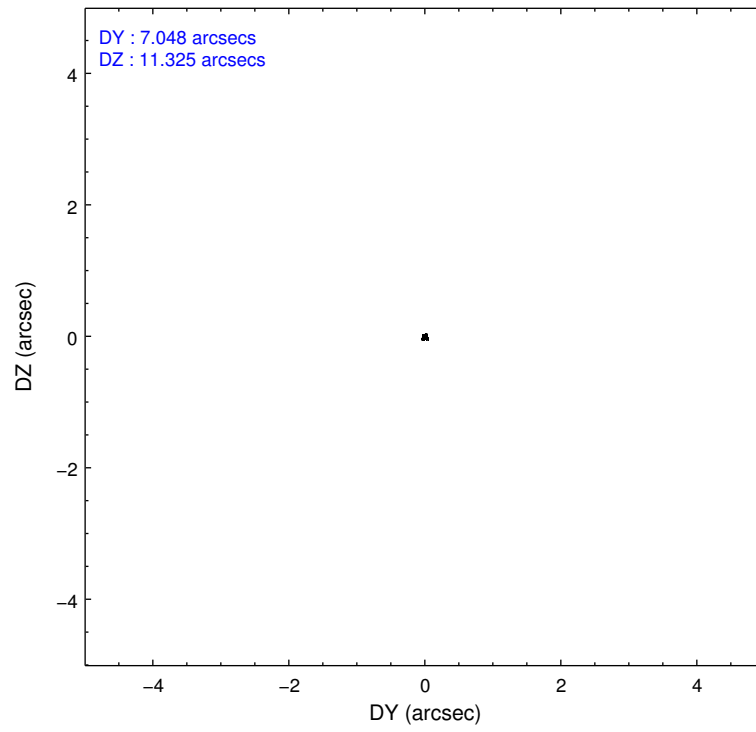
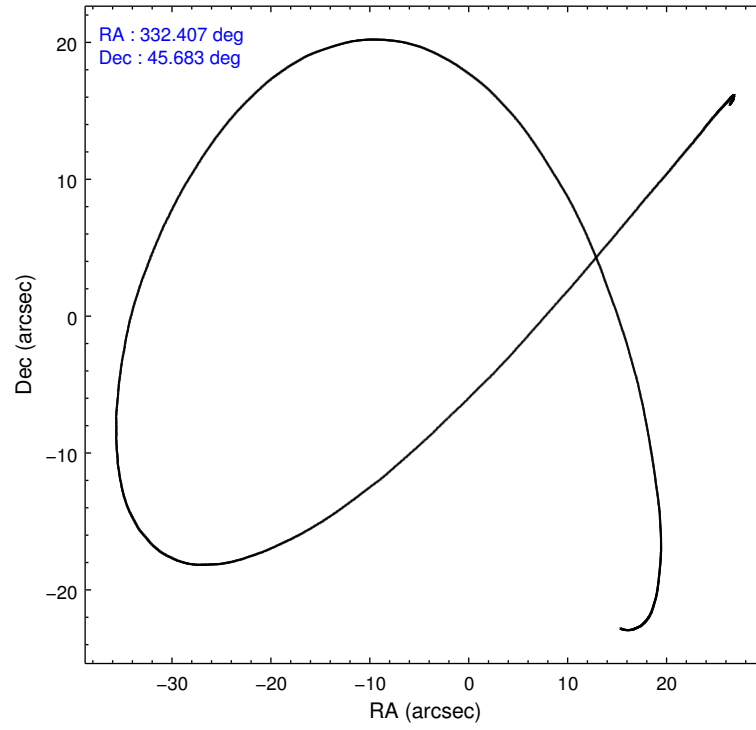
Level 1 Events

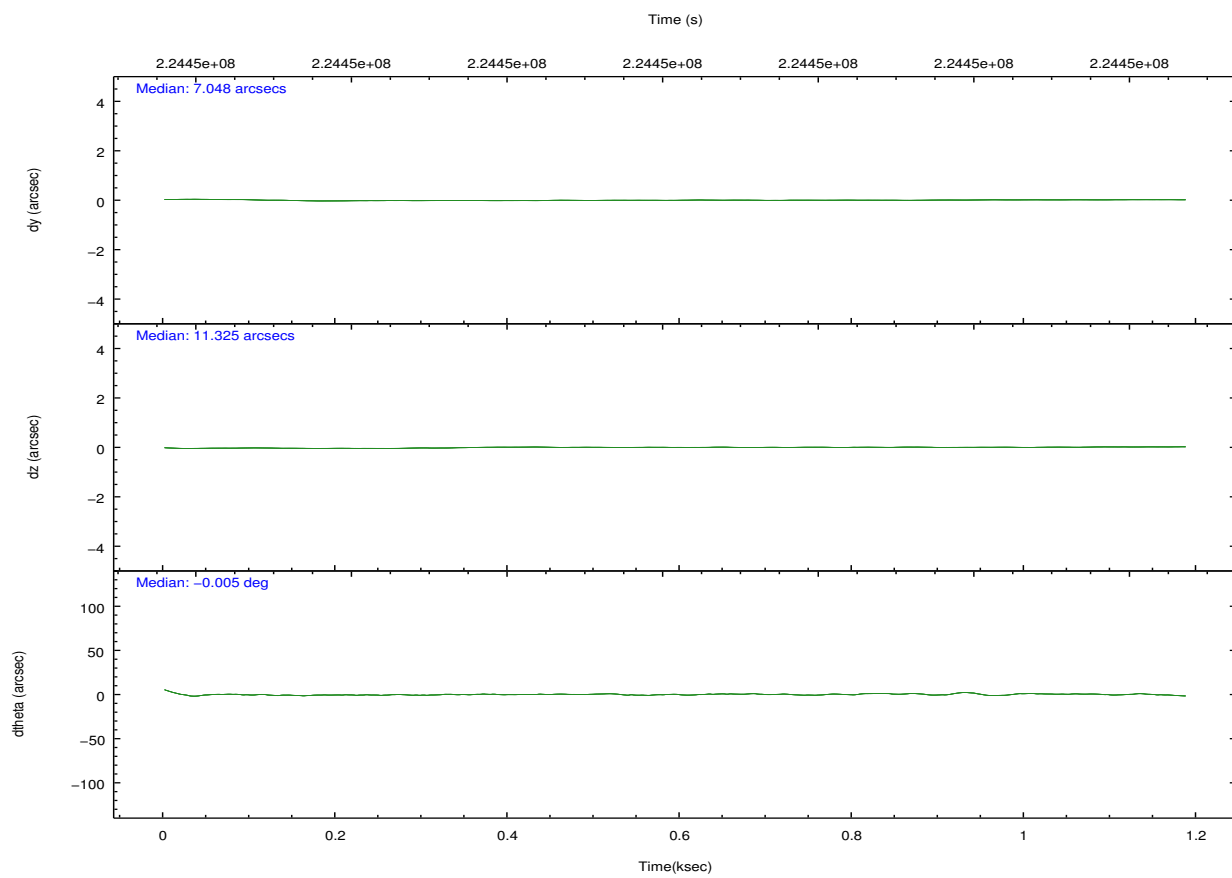
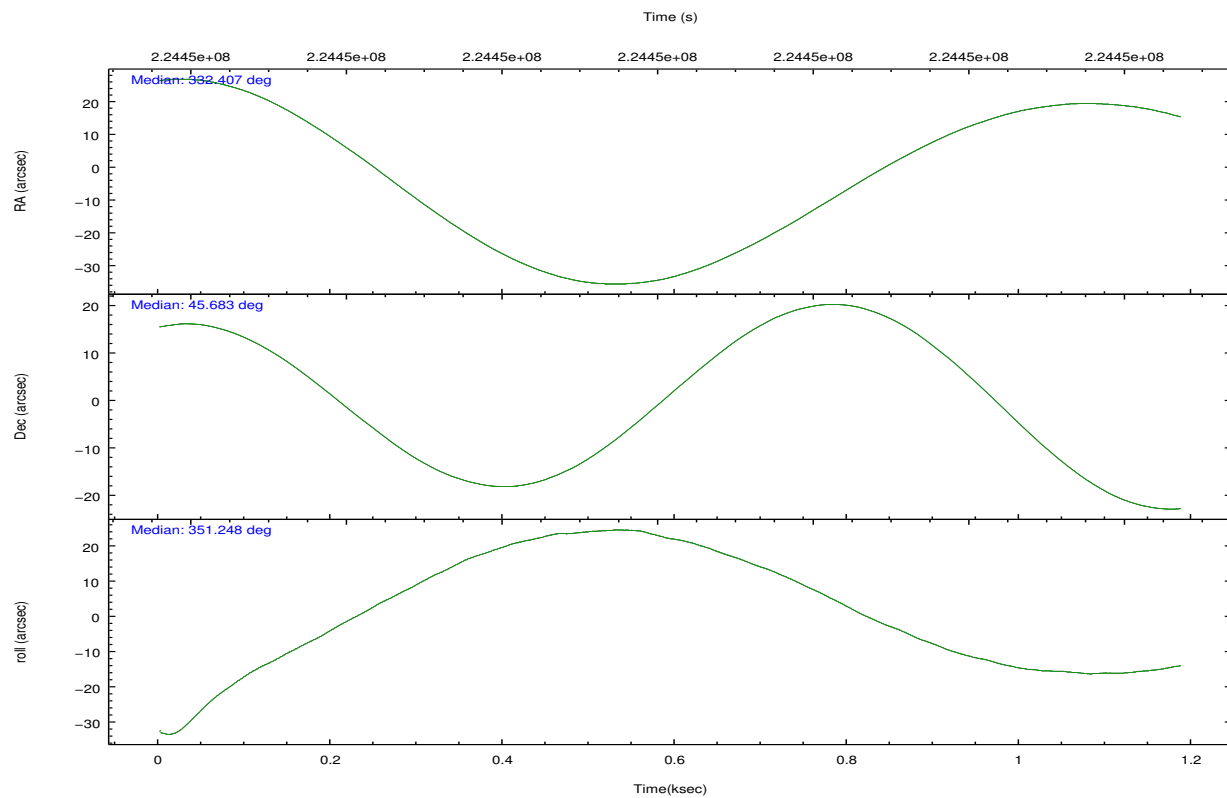
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	673	80660	646
rejected events	673	15333	622
rejected %	100%	19%	96%

## 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	332.367912	332.4059431512352			
[deg] Pointing Dec	45.671549	45.68324670535924			
[deg] Pointing Roll	351.211323	351.2514034454044			
[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)	224452413.184000	224452036.40874			
Observation start date	2005-02-10T19:52:29	2005-02-10T19:47:16			
[s] Observation end time (MET)	224453413.184000	224454264.24634			
Observation end date	2005-02-10T20:09:09	2005-02-10T20:24:24			

## 2.3 Aspect





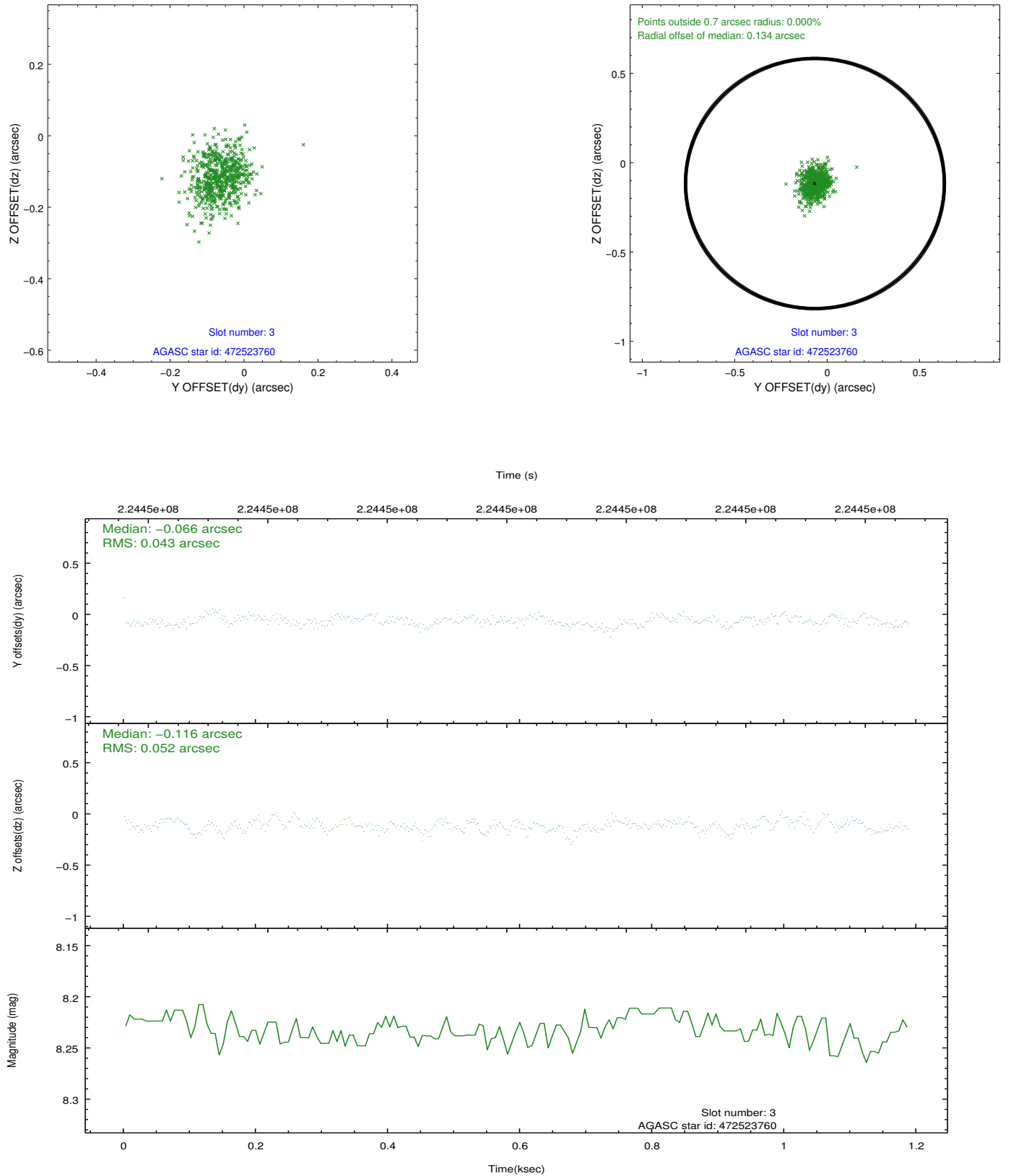
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.02	290	0.081	-0.124	0.008	0.016	0.000000	0.000000	-1161.22	-460.04
1	FID	HRC-S-2	7.01	290	0.138	-0.188	0.009	0.018	0.000000	0.000000	1234.51	-454.25
2	FID	HRC-S-4	6.97	290	0.186	0.008	0.011	0.017	0.000000	0.000000	1241.36	570.69
3	GUIDE	472523760	8.23	579	-0.066	-0.116	0.069	0.119	331.645363	45.403260	-1660.21	-1225.87
4	GUIDE	472527720	6.98	580	-0.140	-0.133	0.076	0.128	331.460205	45.112509	-1978.05	-2331.04
5	GUIDE	472533912	9.17	579	0.066	0.058	0.123	0.186	331.791136	46.368695	-1805.37	2262.25
6	GUIDE	472660976	8.61	578	0.263	0.236	0.063	0.108	333.433329	46.196713	2327.67	2295.85
7	GUIDE	472665256	9.01	576	-0.114	-0.021	0.113	0.182	332.808125	46.195041	798.00	2036.86

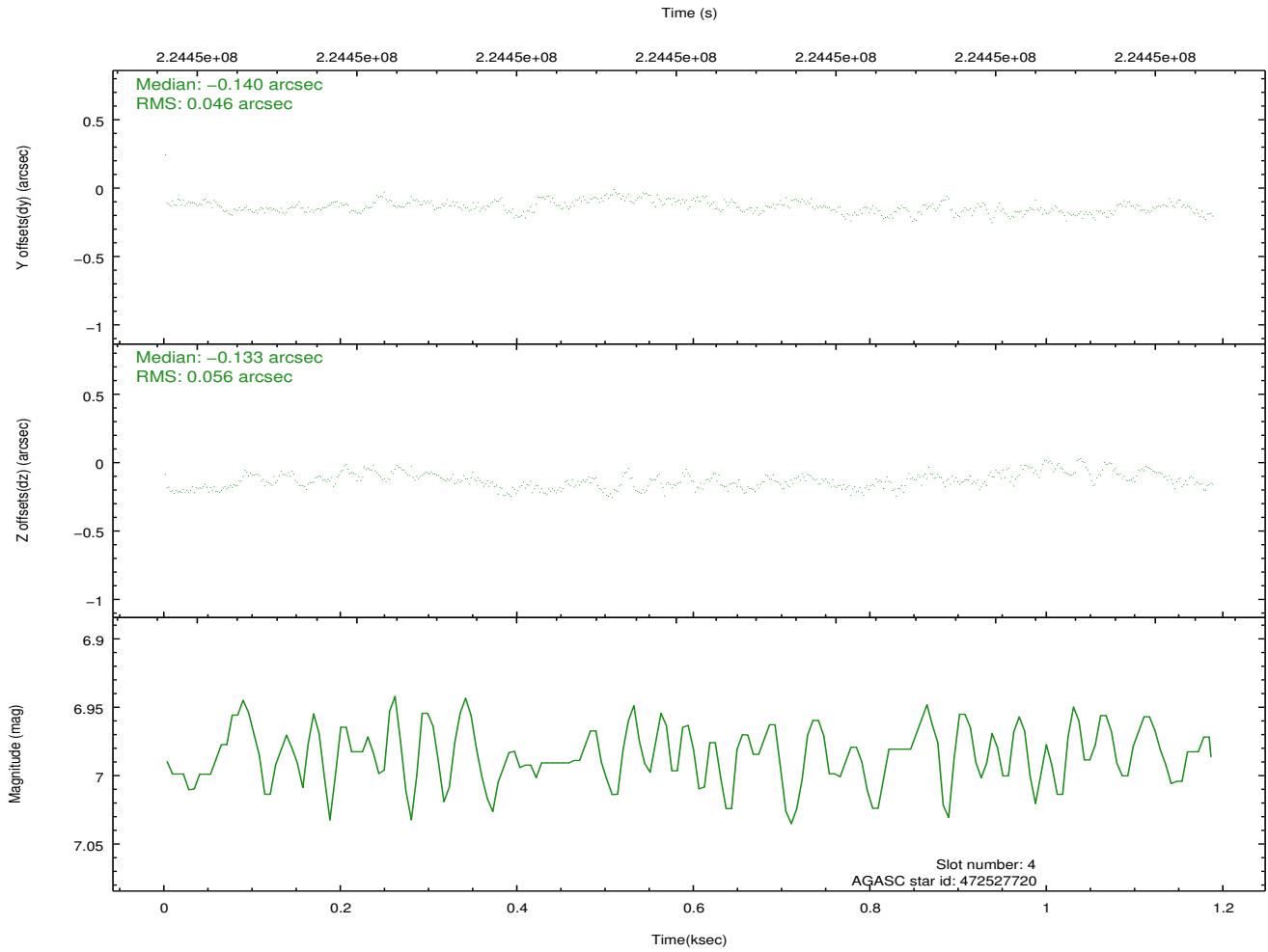
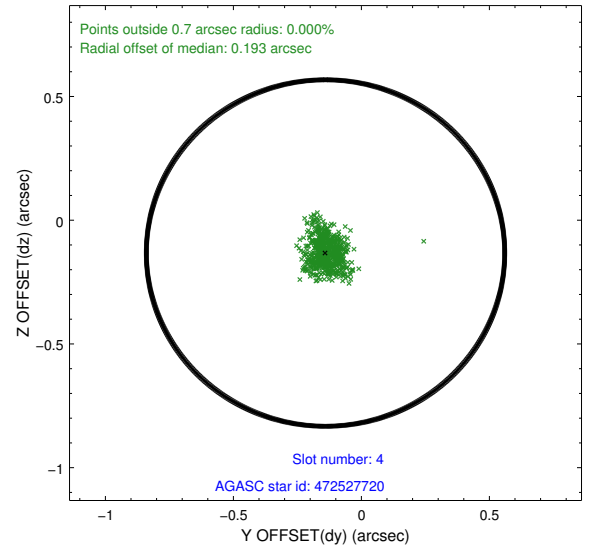
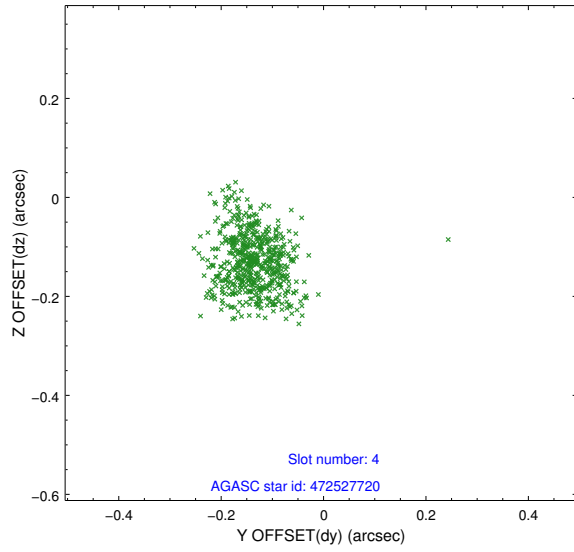


## 2.4 Star Slots

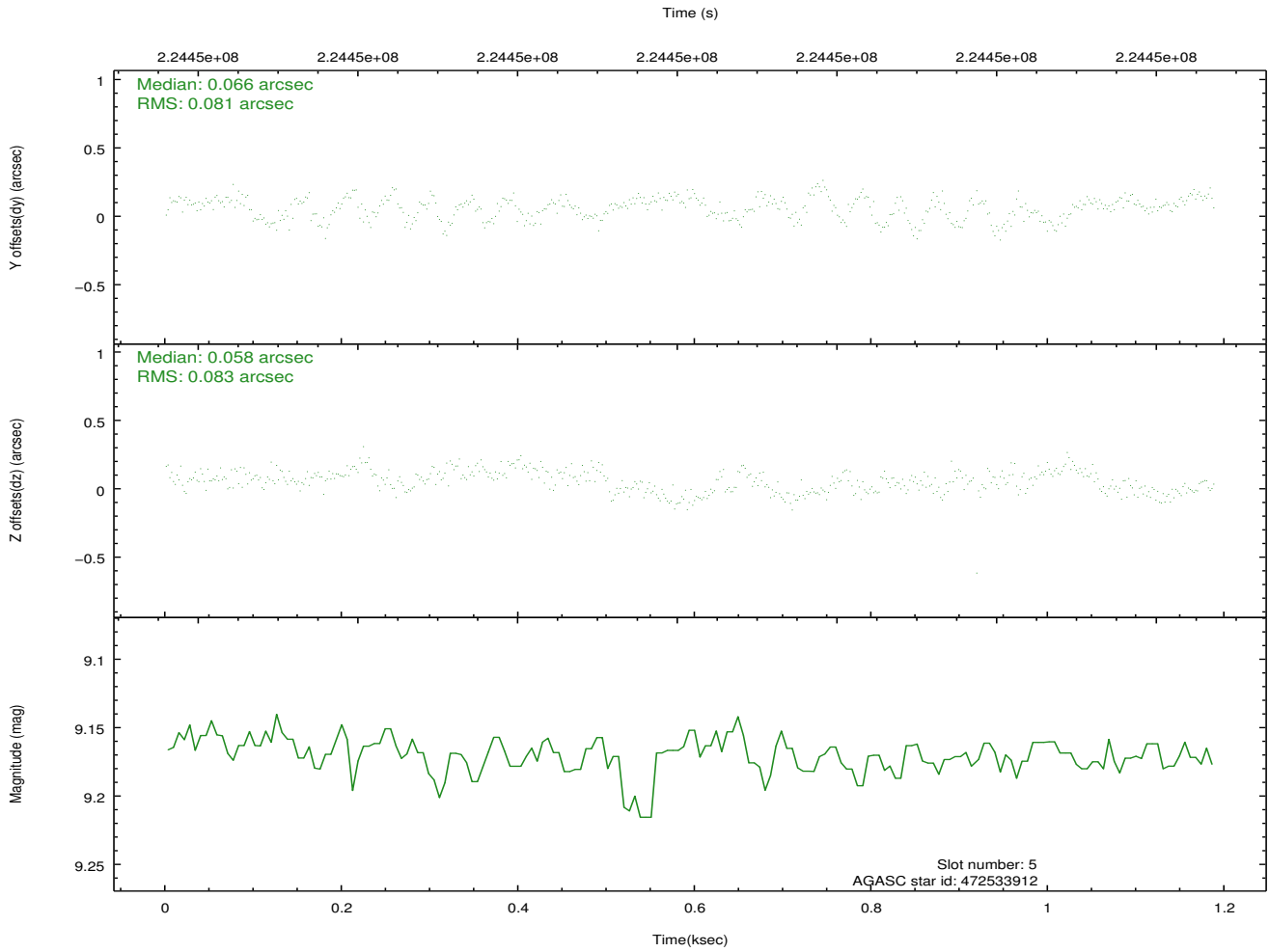
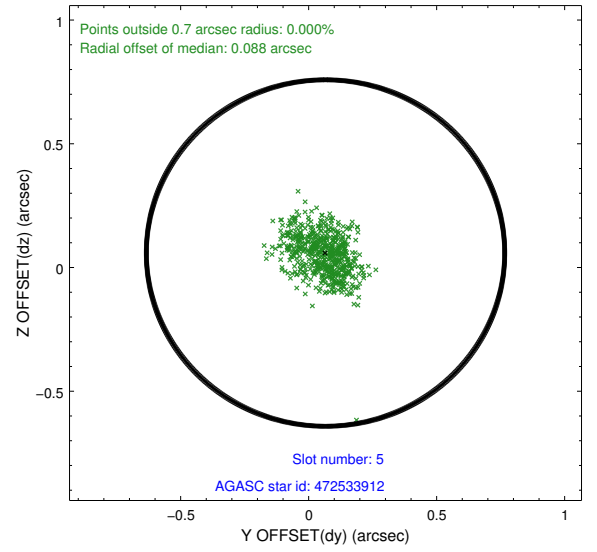
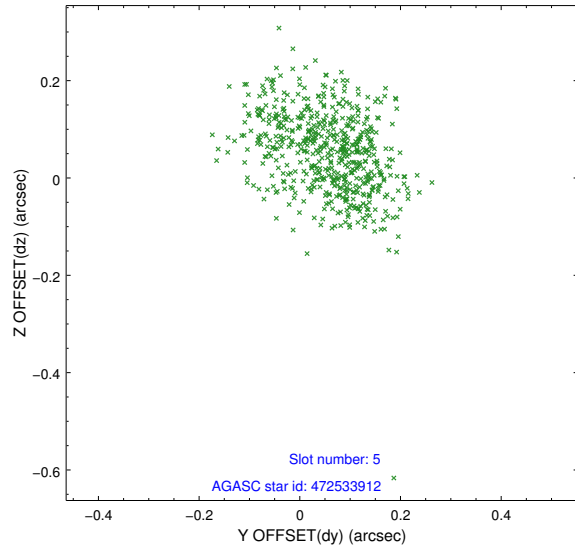
### 2.4.1 Slot 3



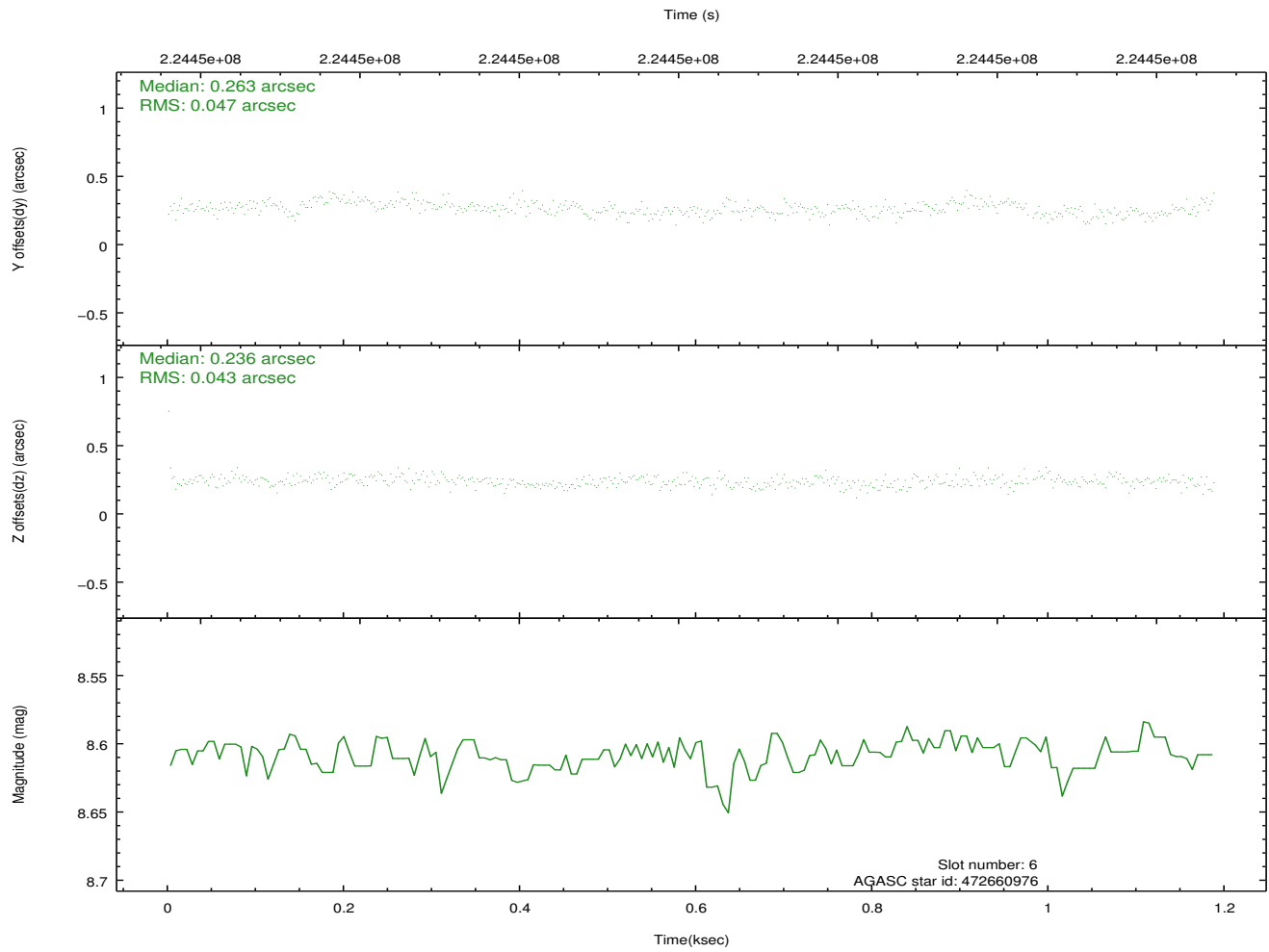
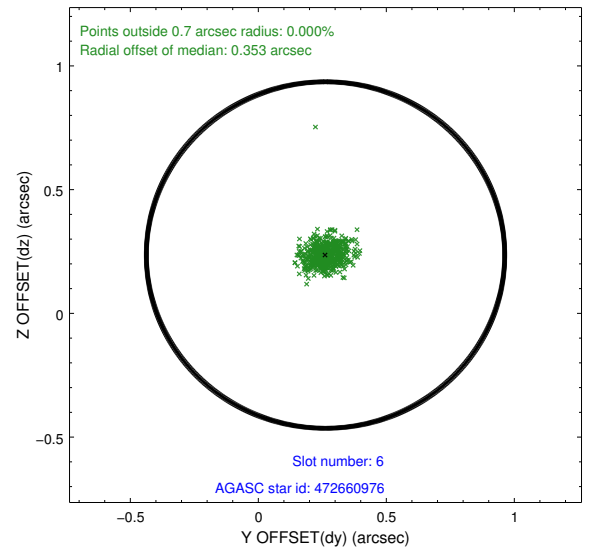
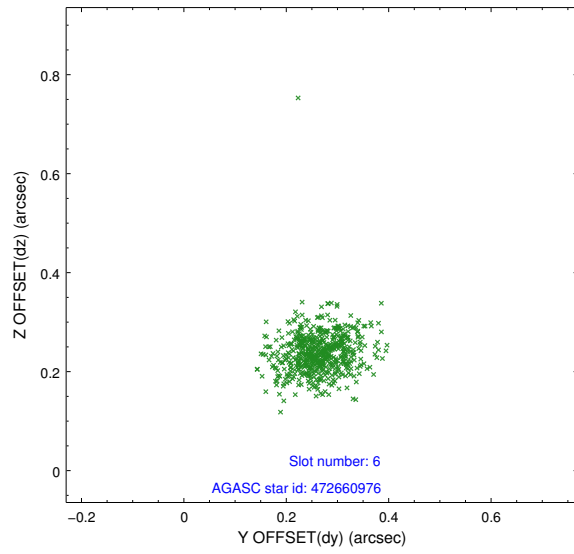
## 2.4.2 Slot 4



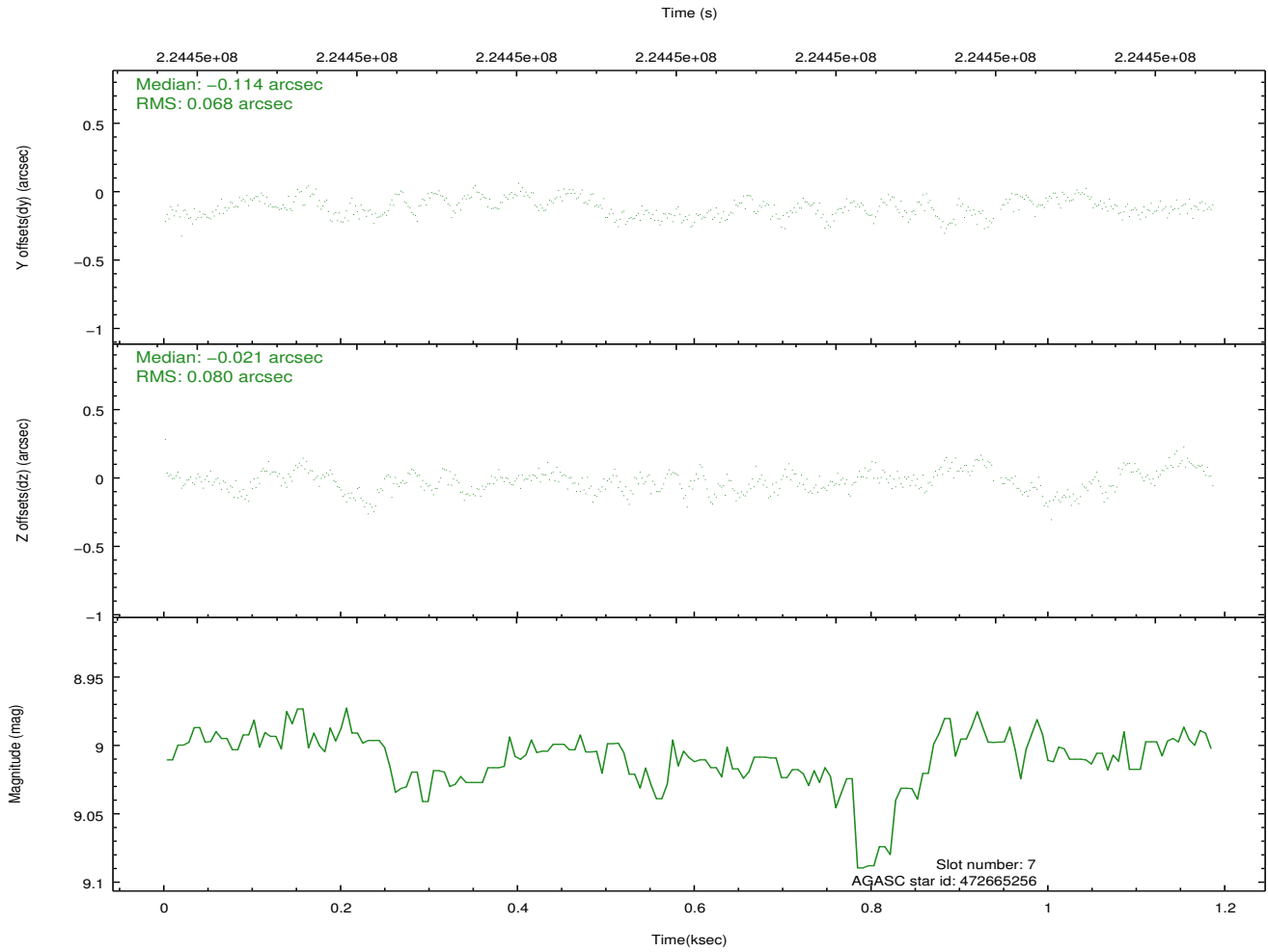
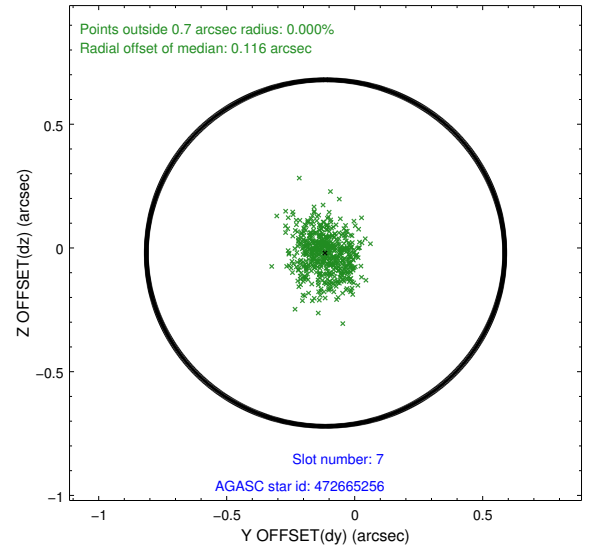
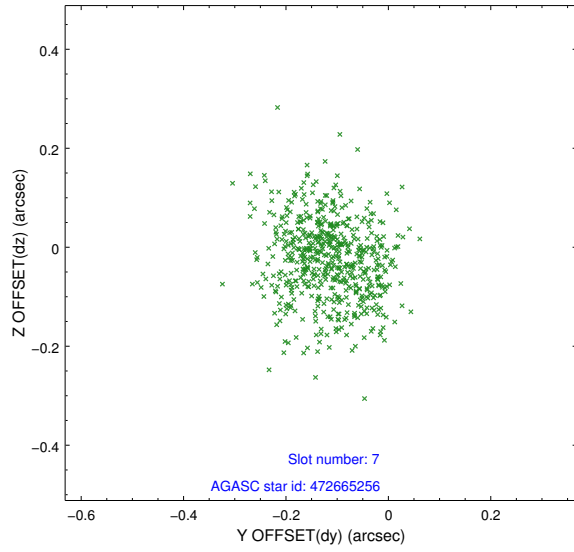
### 2.4.3 Slot 5



## 2.4.4 Slot 6

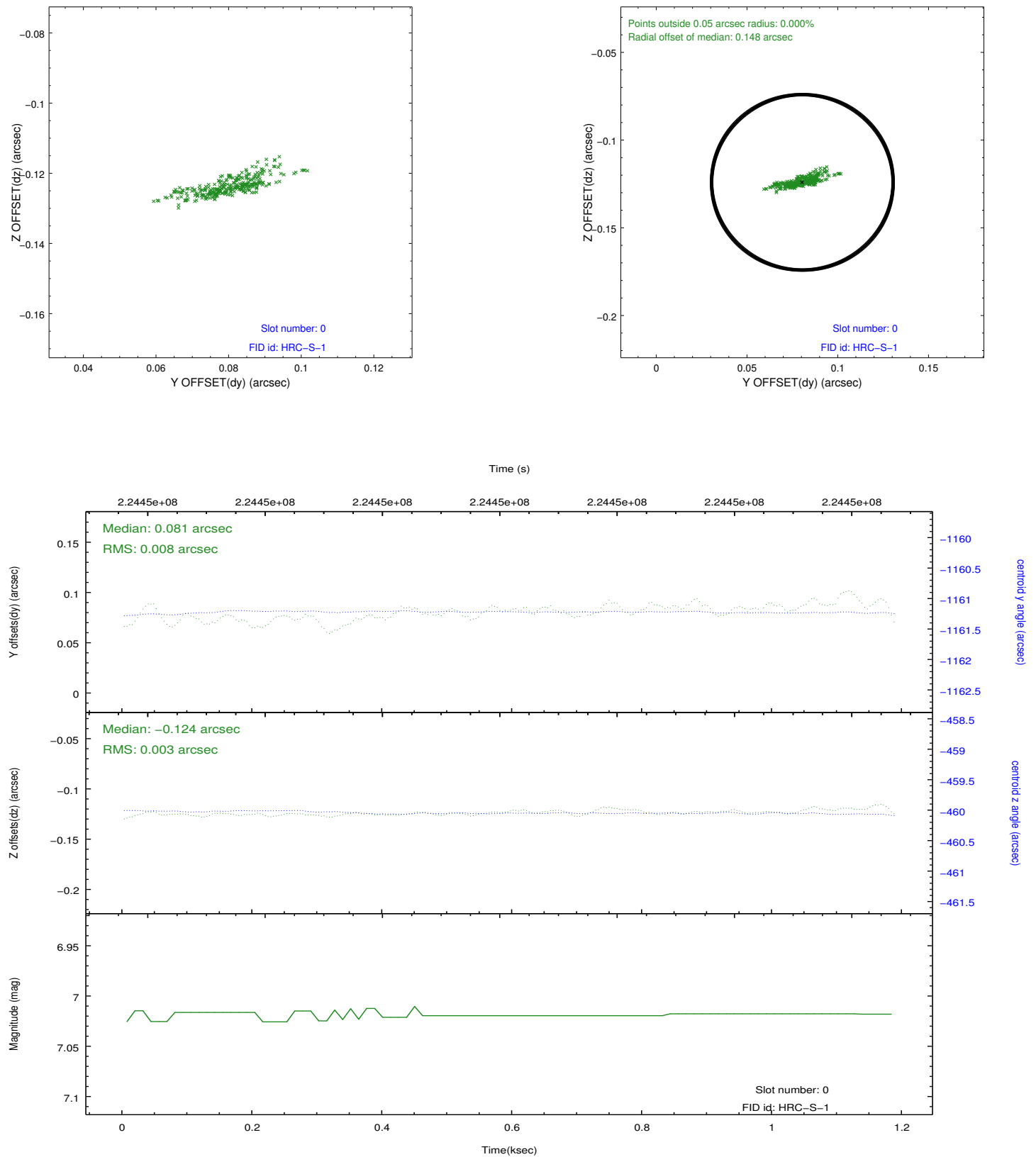


## 2.4.5 Slot 7

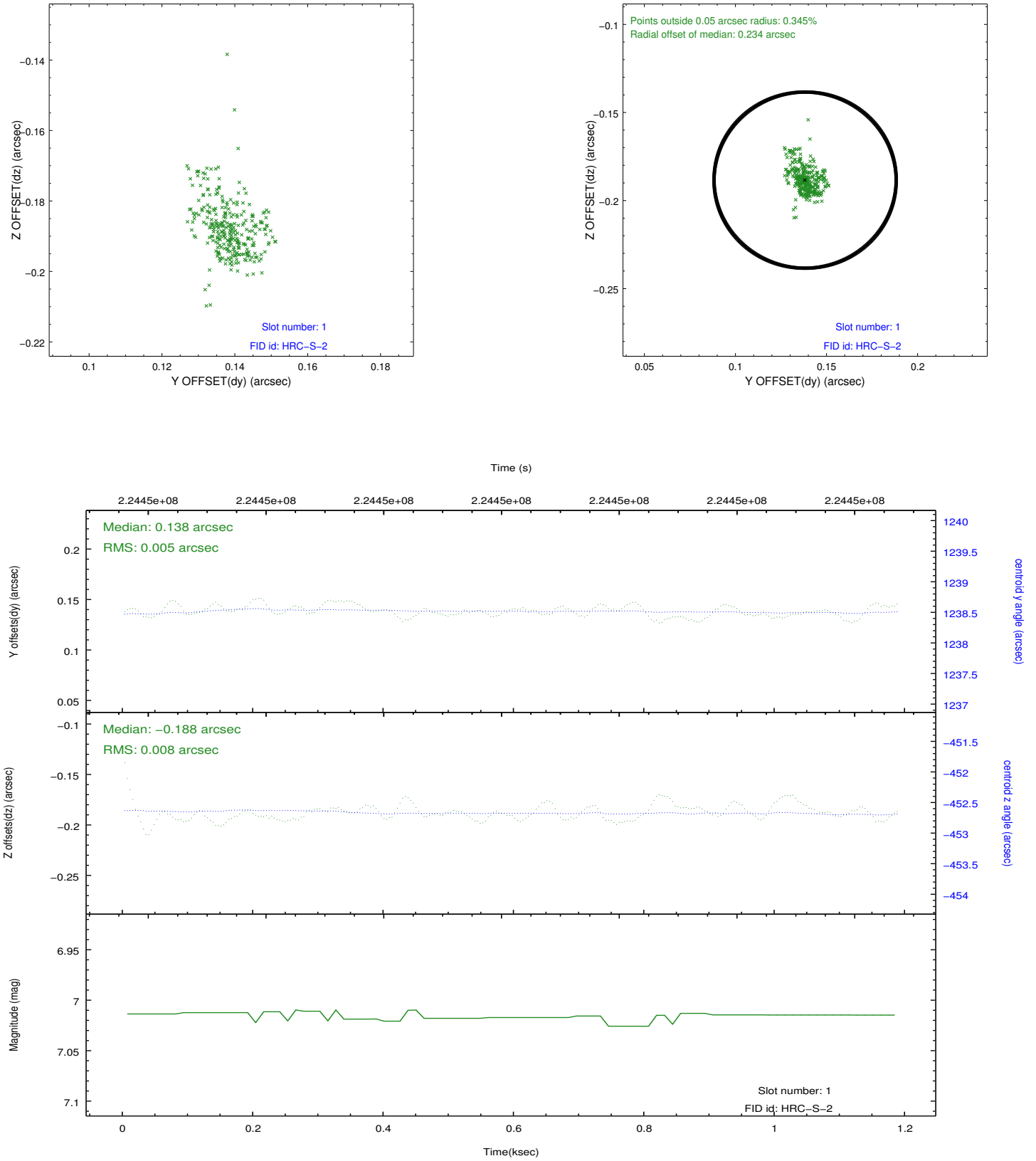


## 2.5 FID Slots

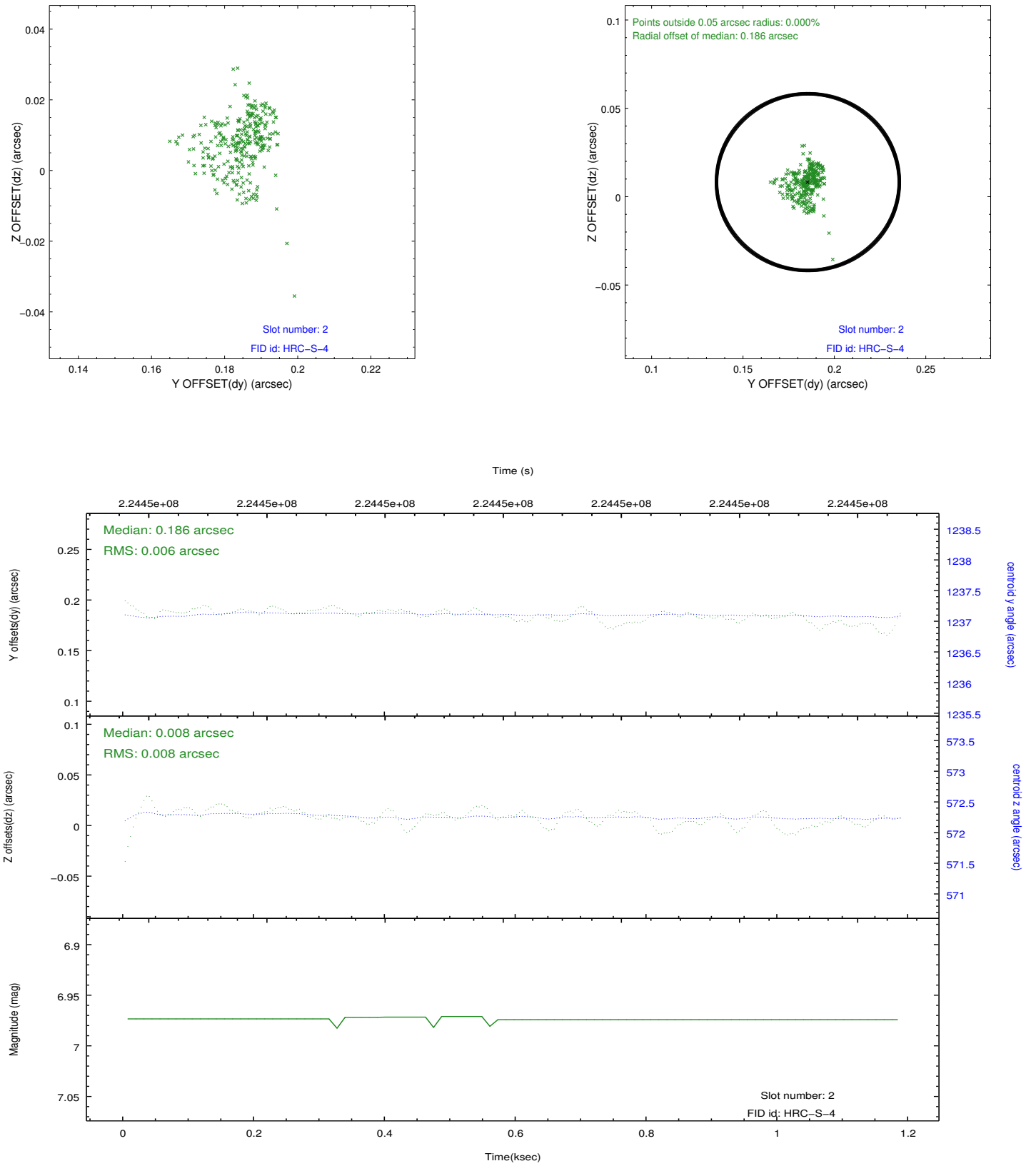
### 2.5.1 Slot 0



## 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)	2013.01.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.157225

### A.2 Comments