

# V&V Reference Report

## L2 ASCDS Version : 8.5.1

Observation 6026 - L2 Version 3  
Chandra X-Ray Center

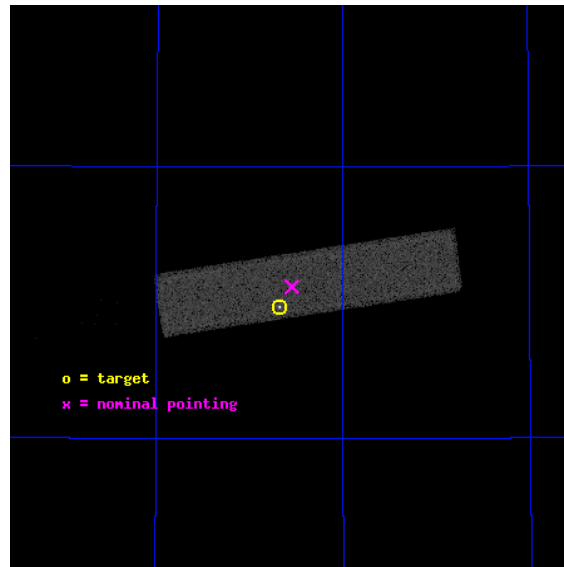
L2 Processing Date : Dec 17 2012

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# 1 Front

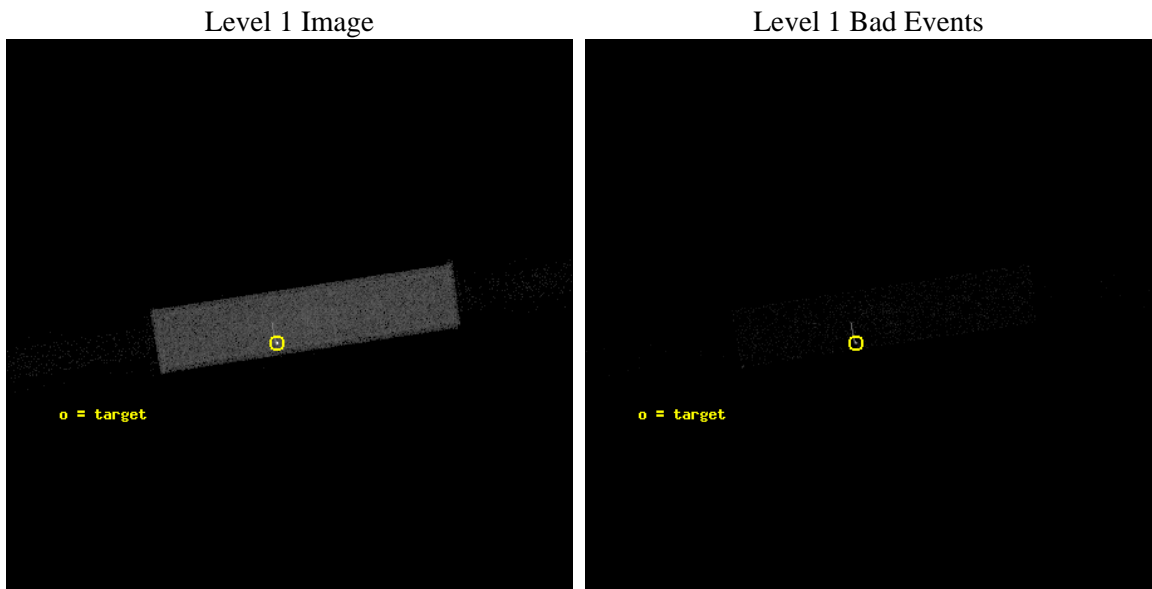
seq_num	290518	Sequence number
obs_id	6026	Observation id
title	AO6A Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.13694816024	Nominal RA [deg]
dec_nom	45.779708287509	Nominal Dec [deg]
roll_nom	351.26924208021	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1155.4313022792	[s]
livetime	1148.5466788441	Ontime multiplied by DTCOR
l2events	48099	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	1155.4313022792	[s]
caldsver	4.5.5	&#160	l1events	77629	Number of level 1 events
date	2012-12-17T04:23:41	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

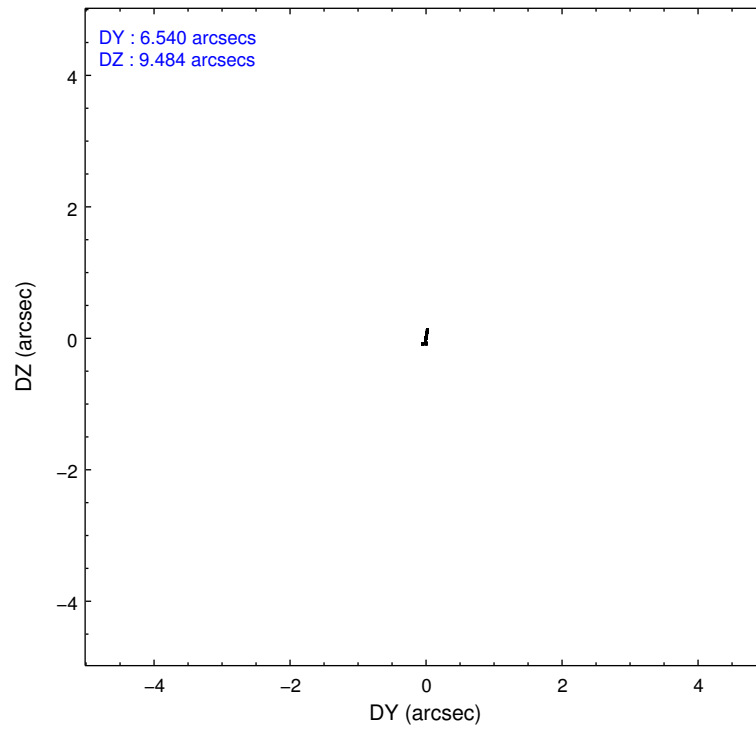
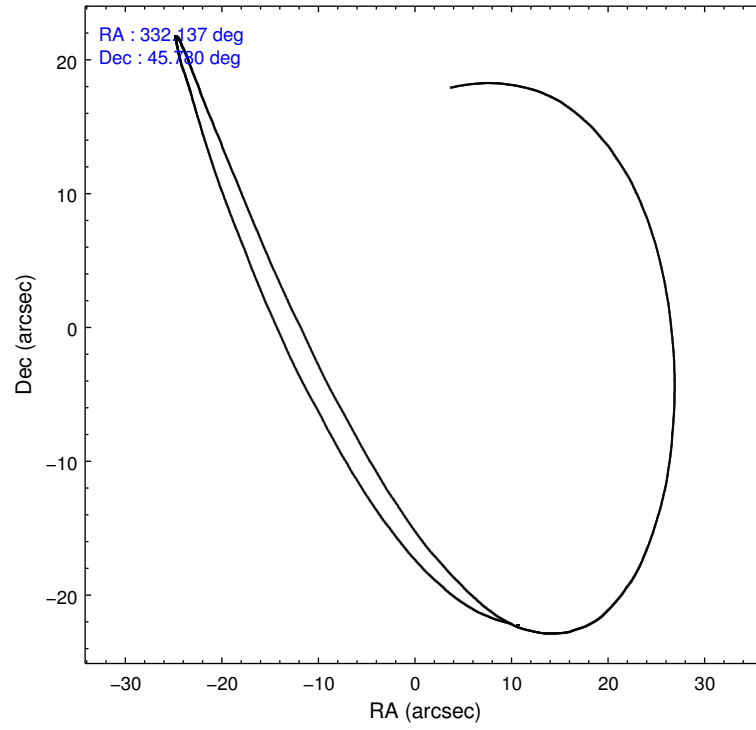
Level 1 Events

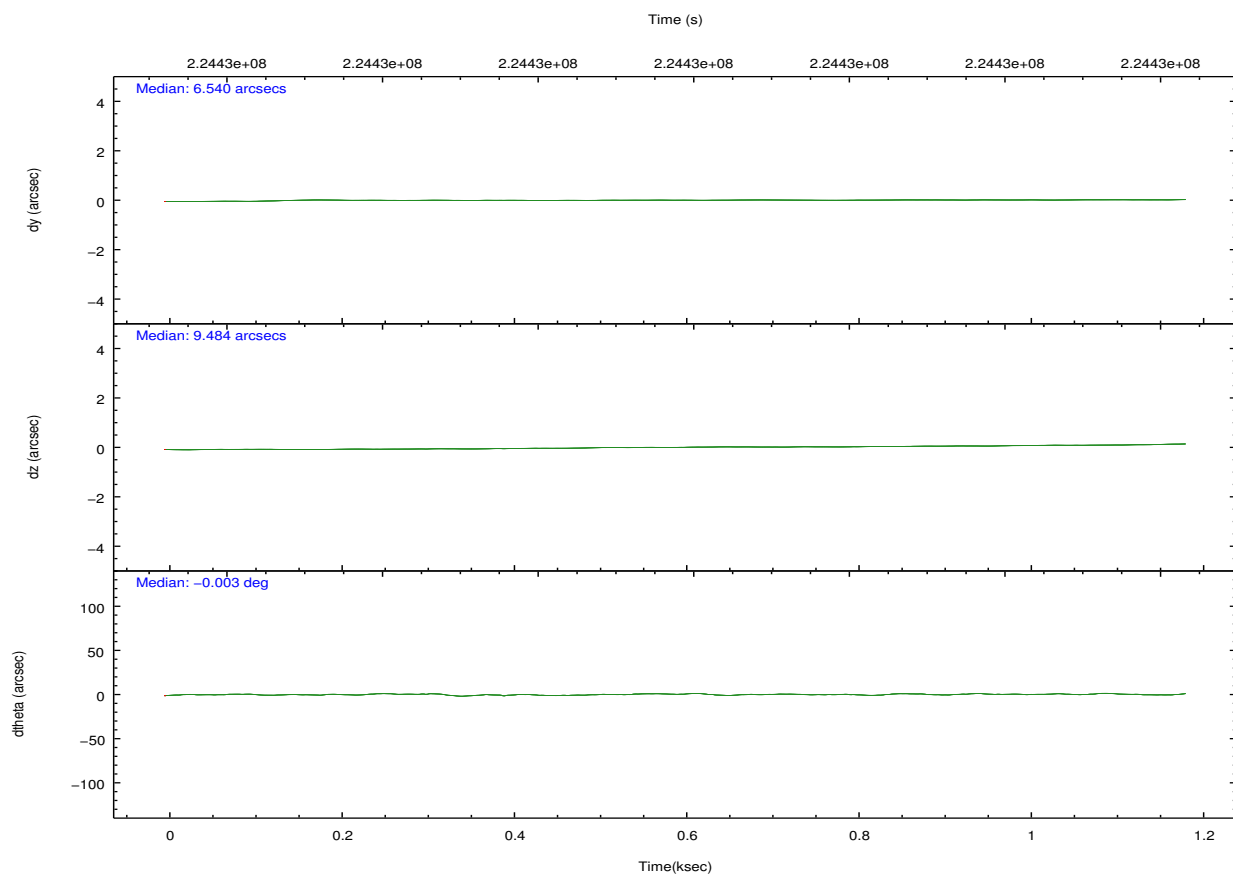
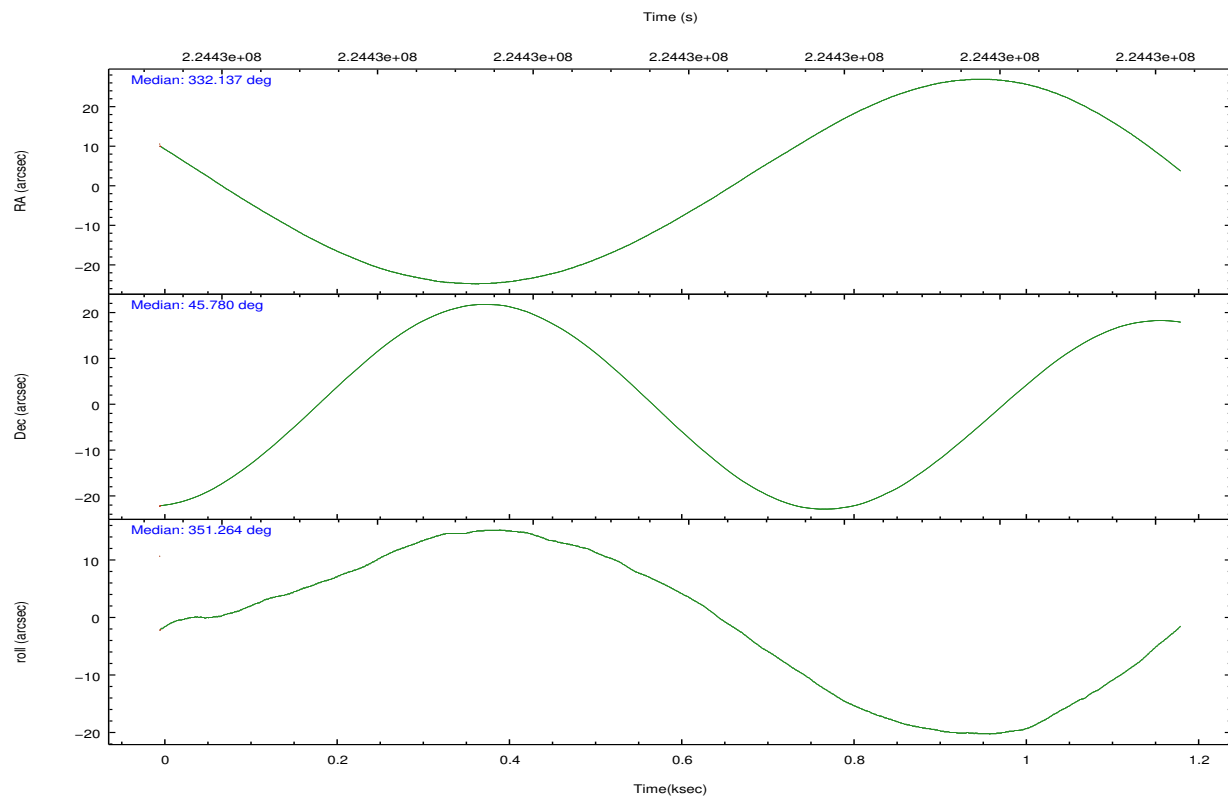
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	640	76362	627
rejected events	640	17194	614
rejected %	100%	22%	97%

## 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	332.099282	332.1369481602421			
[deg] Pointing Dec	45.767822	45.77970828750851			
[deg] Pointing Roll	351.228894	351.2692420802146			
[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)	224429763.184000	224429386.98271			
Observation start date	2005-02-10T13:34:59	2005-02-10T13:29:46			
[s] Observation end time (MET)	224430763.184000	224430896.80778			
Observation end date	2005-02-10T13:51:39	2005-02-10T13:54:56			

## 2.3 Aspect





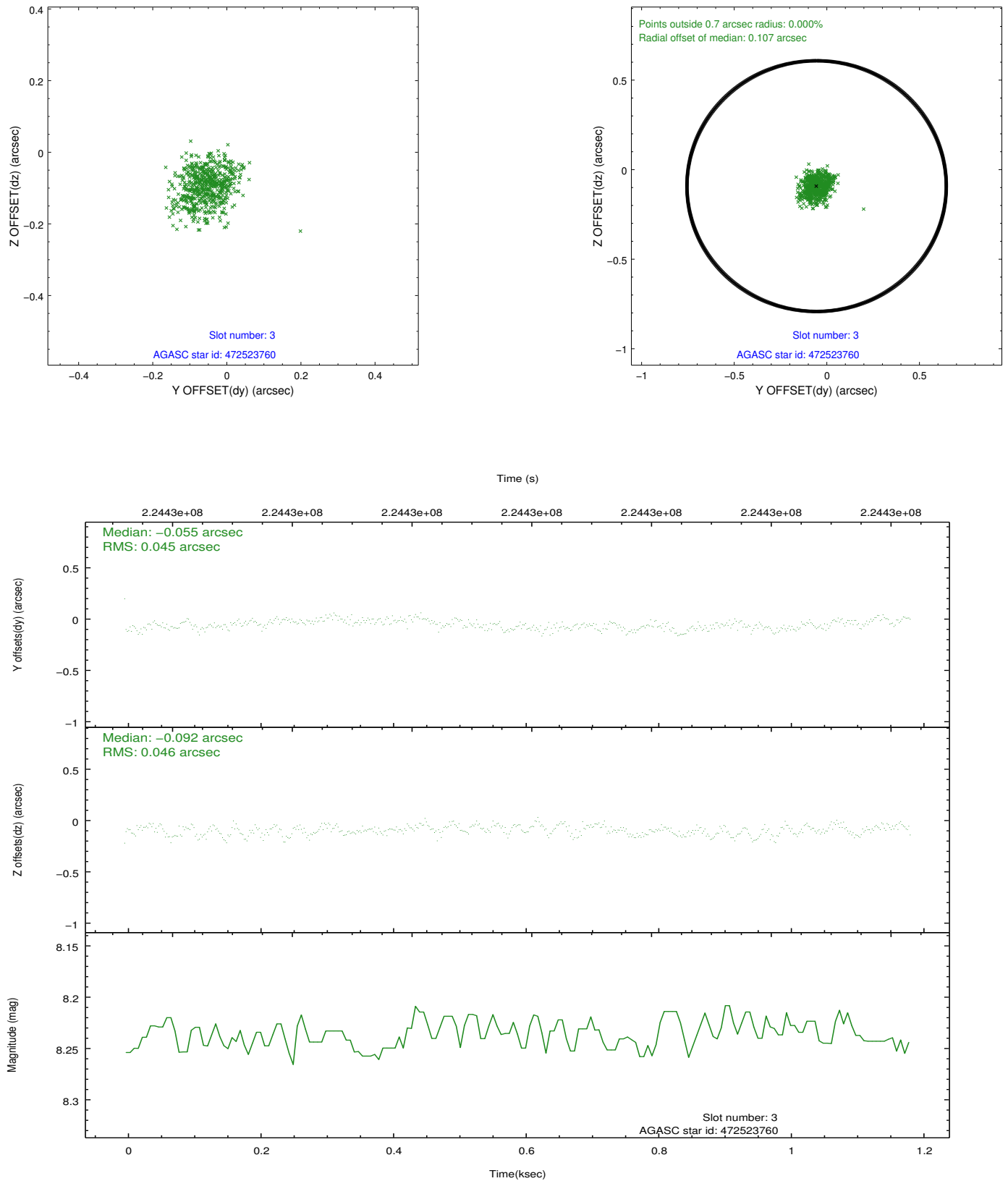
### Slot Statistics

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	290	0.117	-0.185	0.007	0.013	0.000000	0.000000	-1160.69	-458.16
1	FID	HRC-S-2	7.03	290	0.174	-0.113	0.005	0.010	0.000000	0.000000	1235.04	-452.34
2	FID	HRC-S-3	7.04	290	0.100	-0.003	0.008	0.014	0.000000	0.000000	-1159.16	569.99
3	GUIDE	472523760	8.24	579	-0.055	-0.092	0.069	0.107	331.645363	45.403260	-934.65	-1469.61
4	GUIDE	472535576	7.85	579	-0.009	0.066	0.055	0.093	331.438373	46.291802	-1915.72	1617.14
5	GUIDE	472536328	8.14	576	-0.032	0.010	0.073	0.125	331.496671	46.454831	-1859.09	2224.03
6	GUIDE	472655152	9.43	579	0.181	-0.013	0.090	0.152	332.504239	45.862991	947.27	499.27
7	GUIDE	472665256	9.02	578	-0.076	0.015	0.077	0.123	332.808125	46.195041	1511.04	1797.65

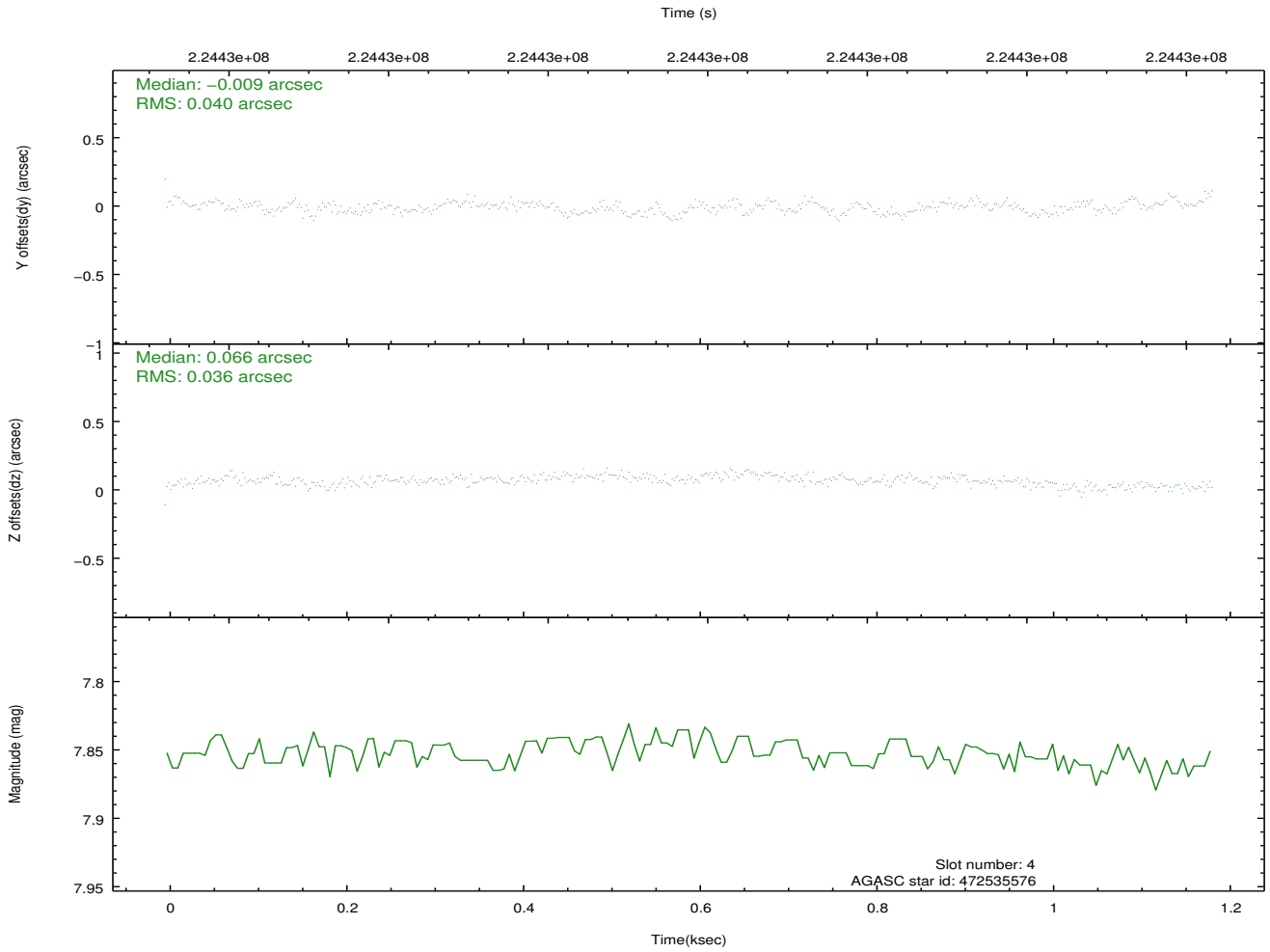
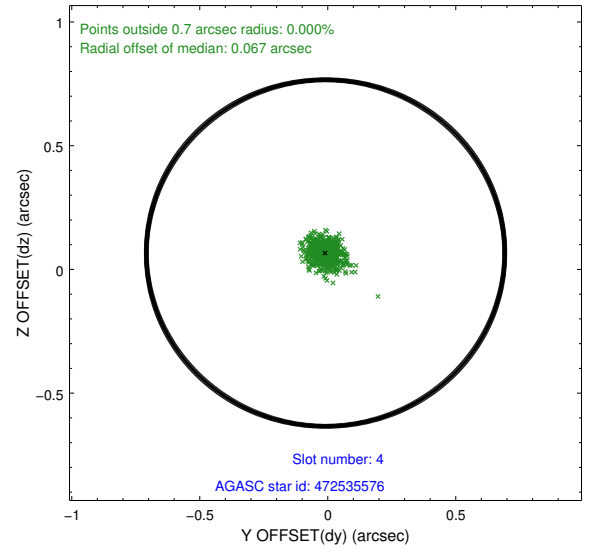
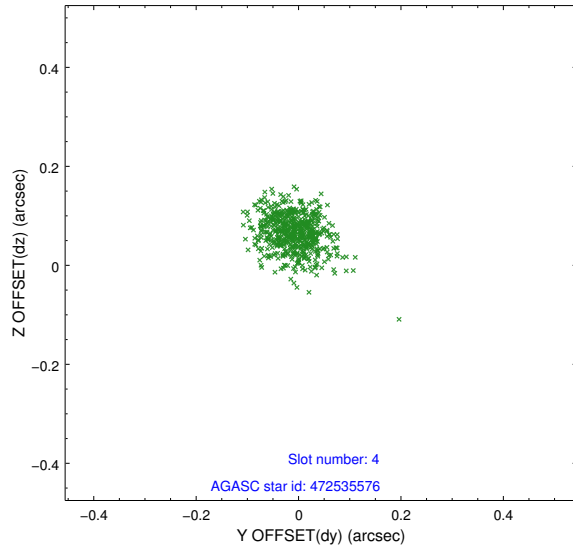


## 2.4 Star Slots

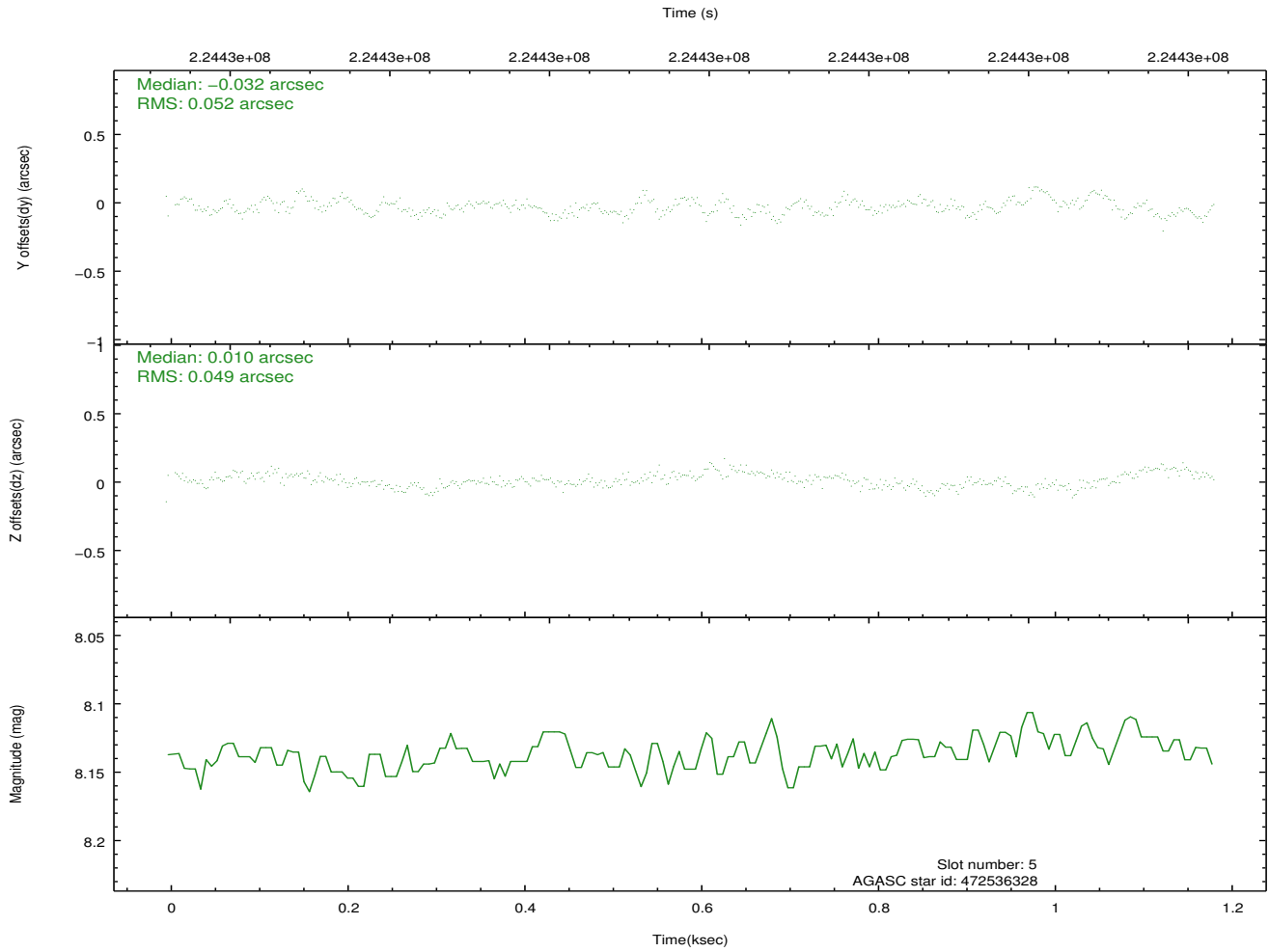
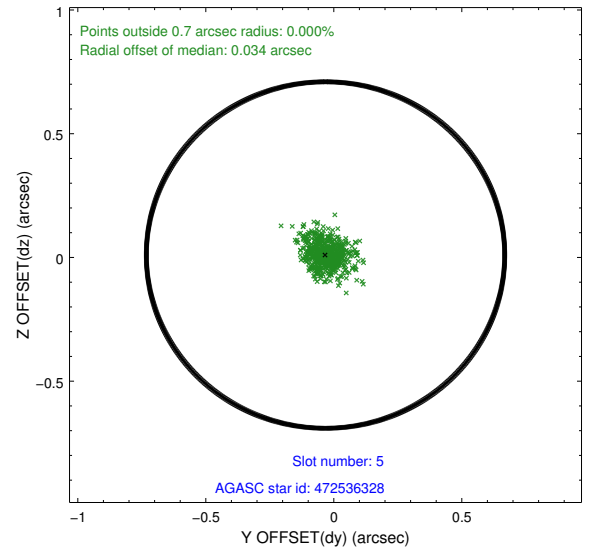
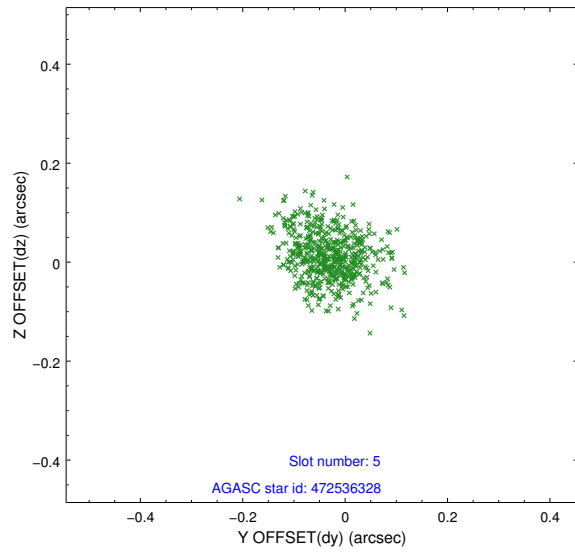
### 2.4.1 Slot 3



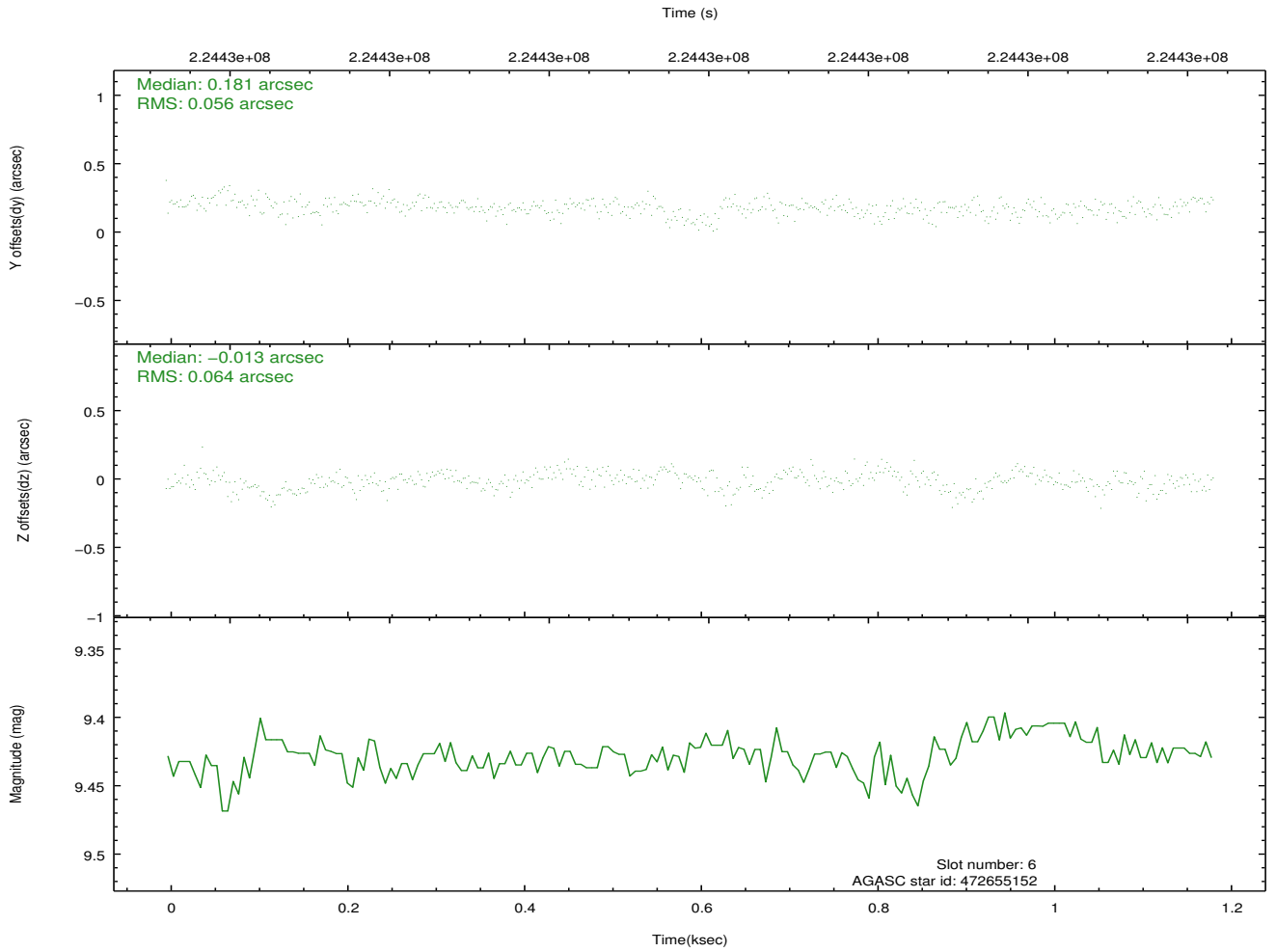
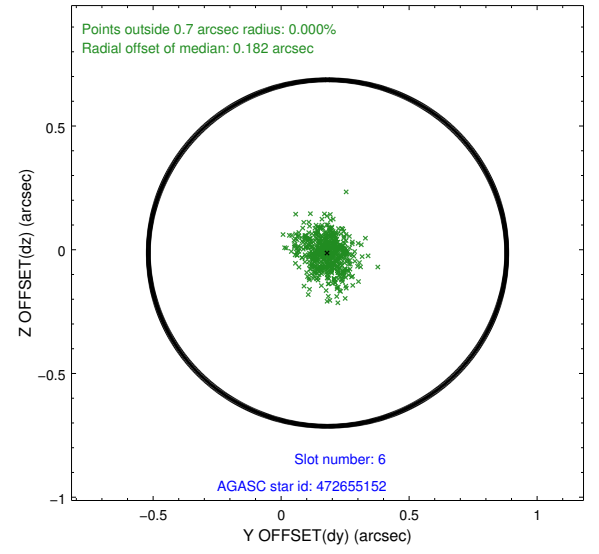
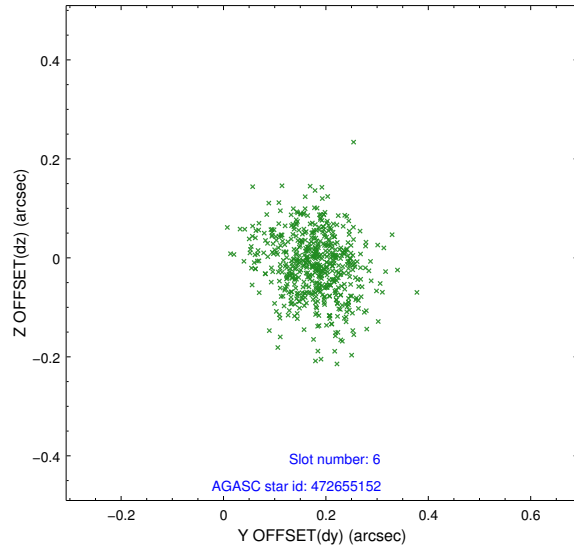
## 2.4.2 Slot 4



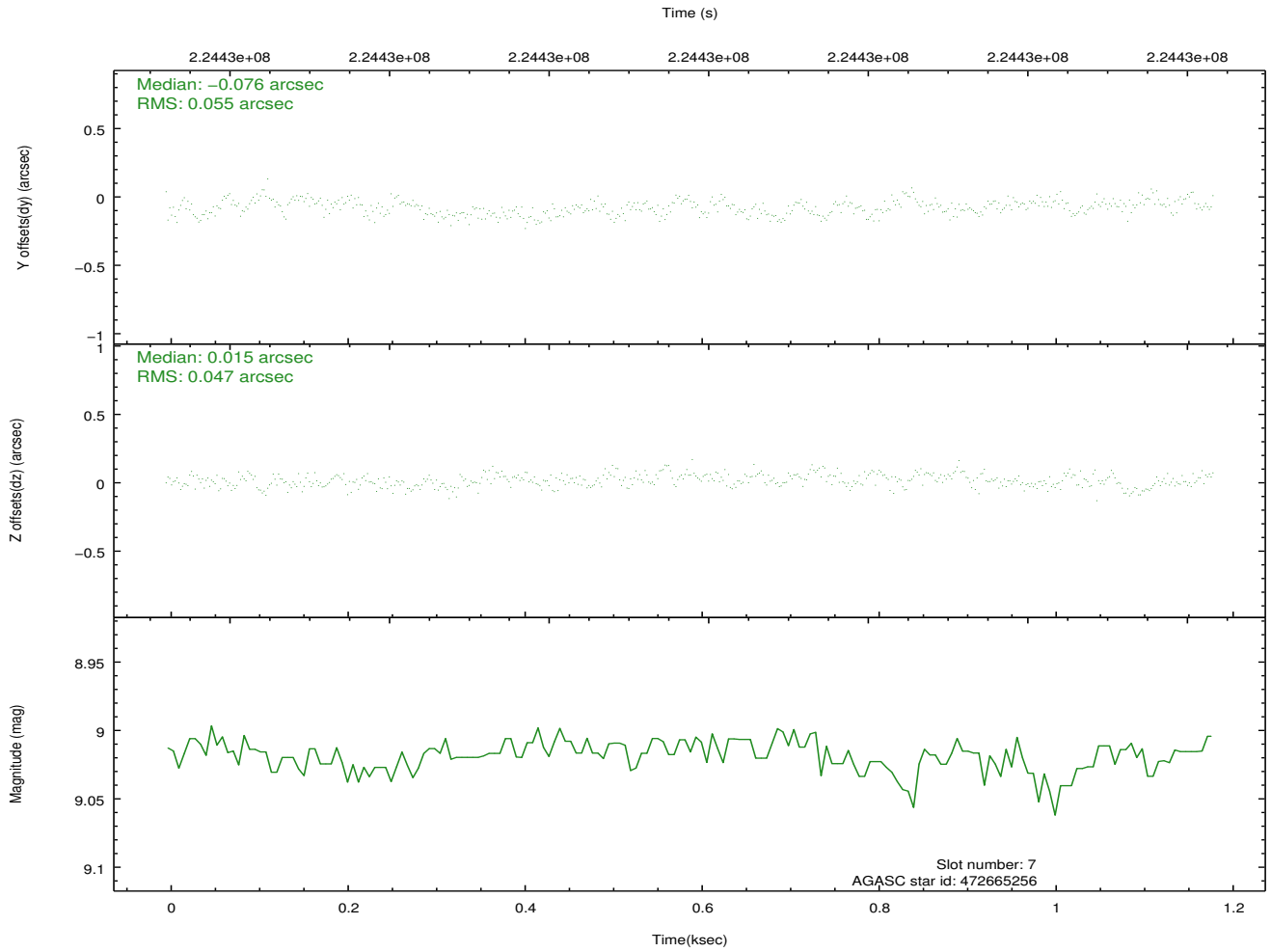
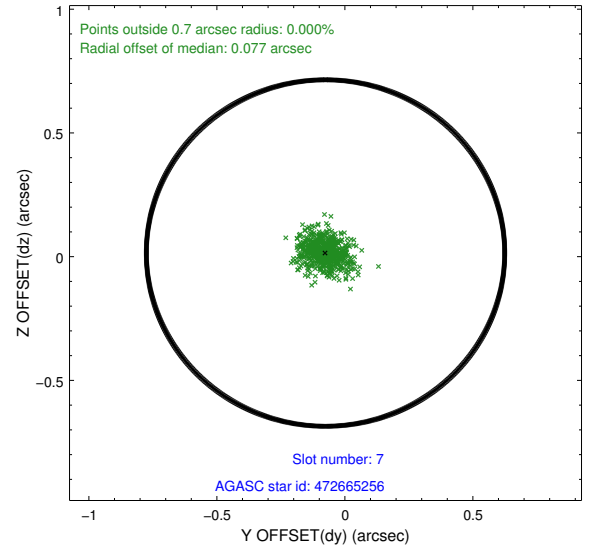
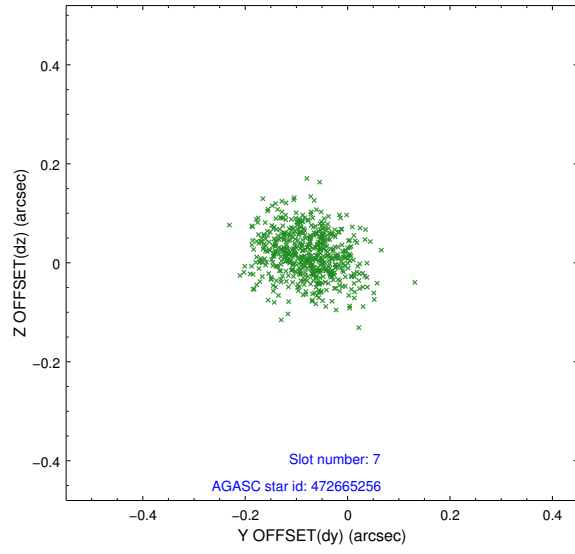
### 2.4.3 Slot 5



## 2.4.4 Slot 6

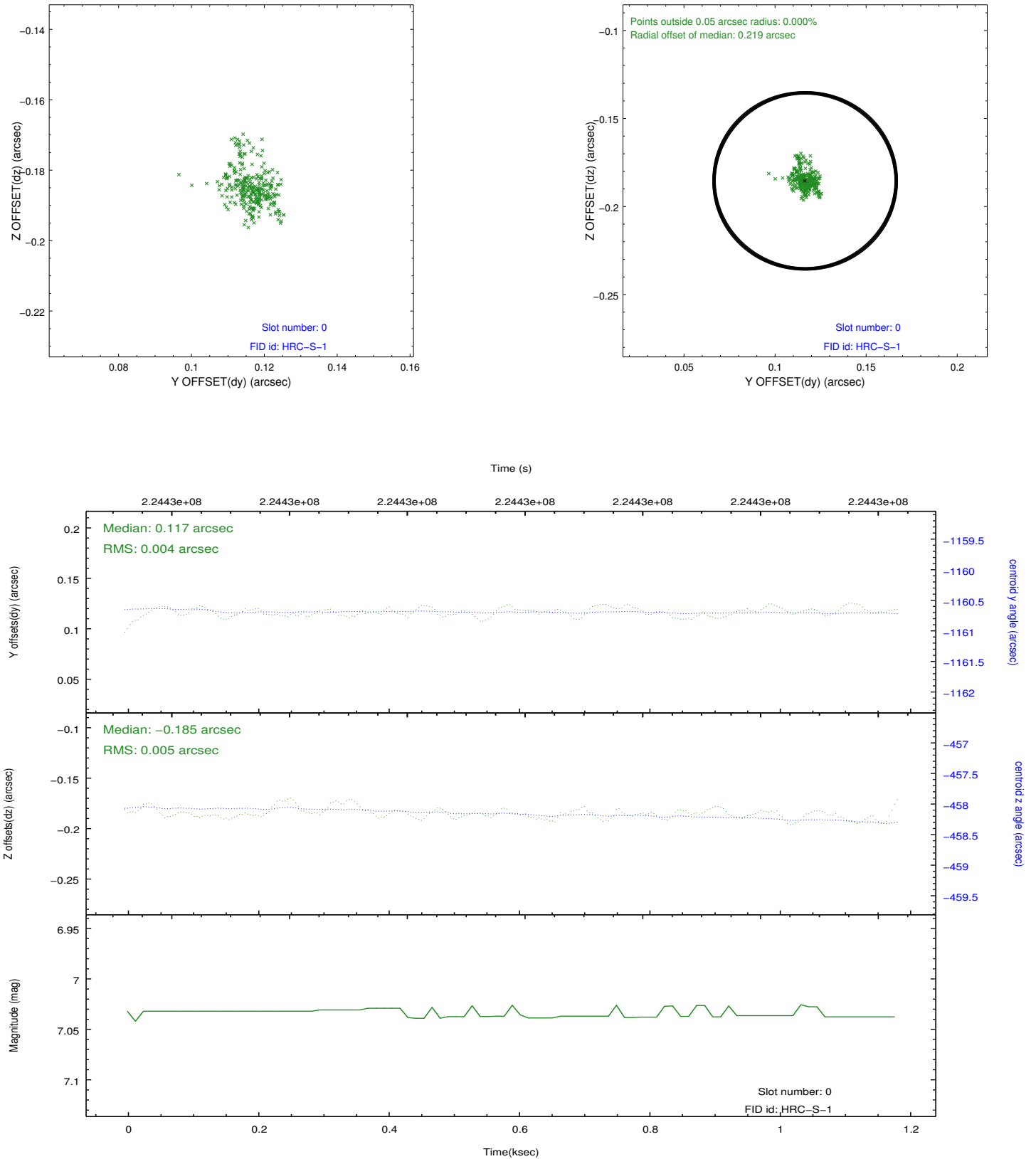


## 2.4.5 Slot 7

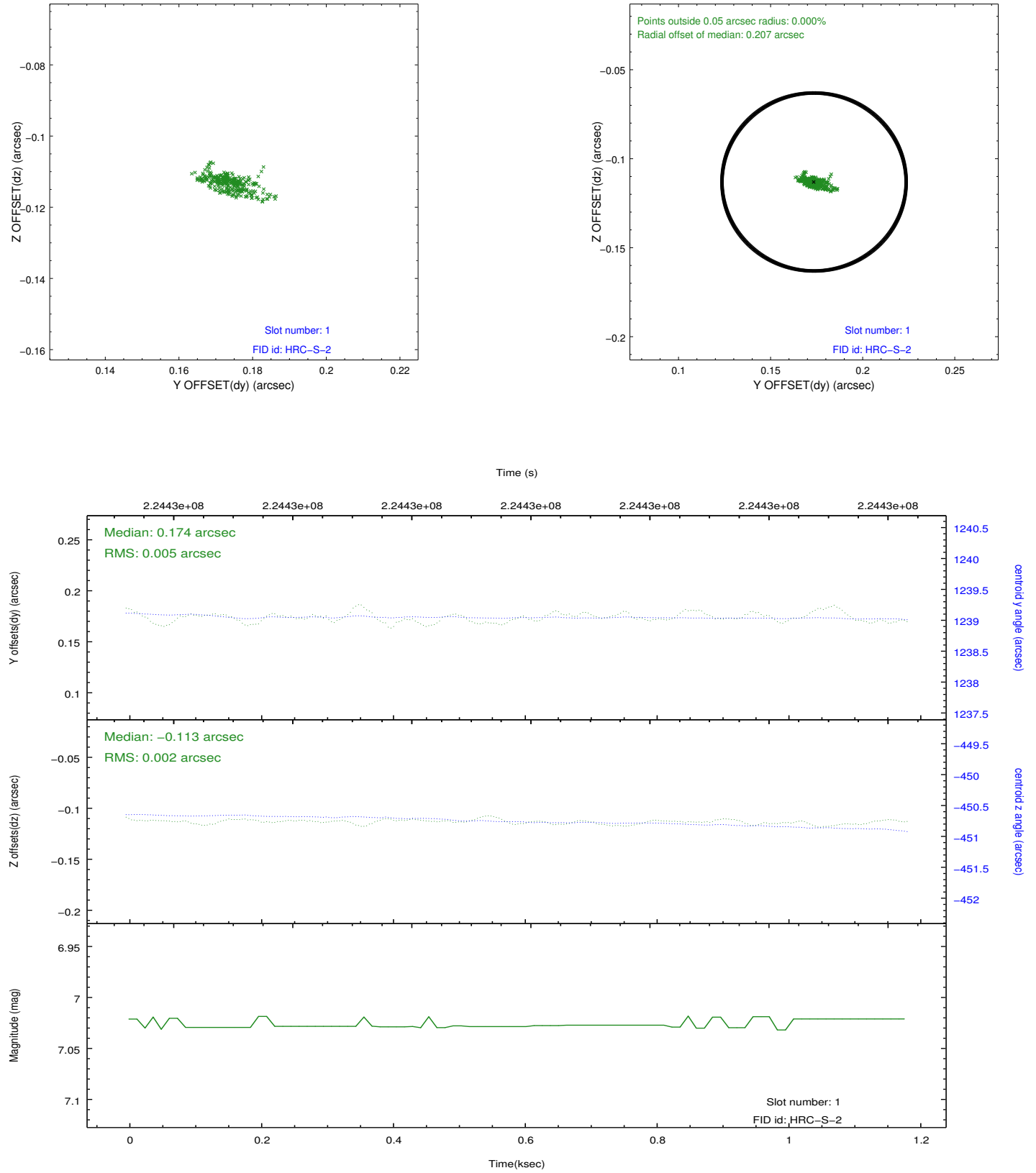


## 2.5 FID Slots

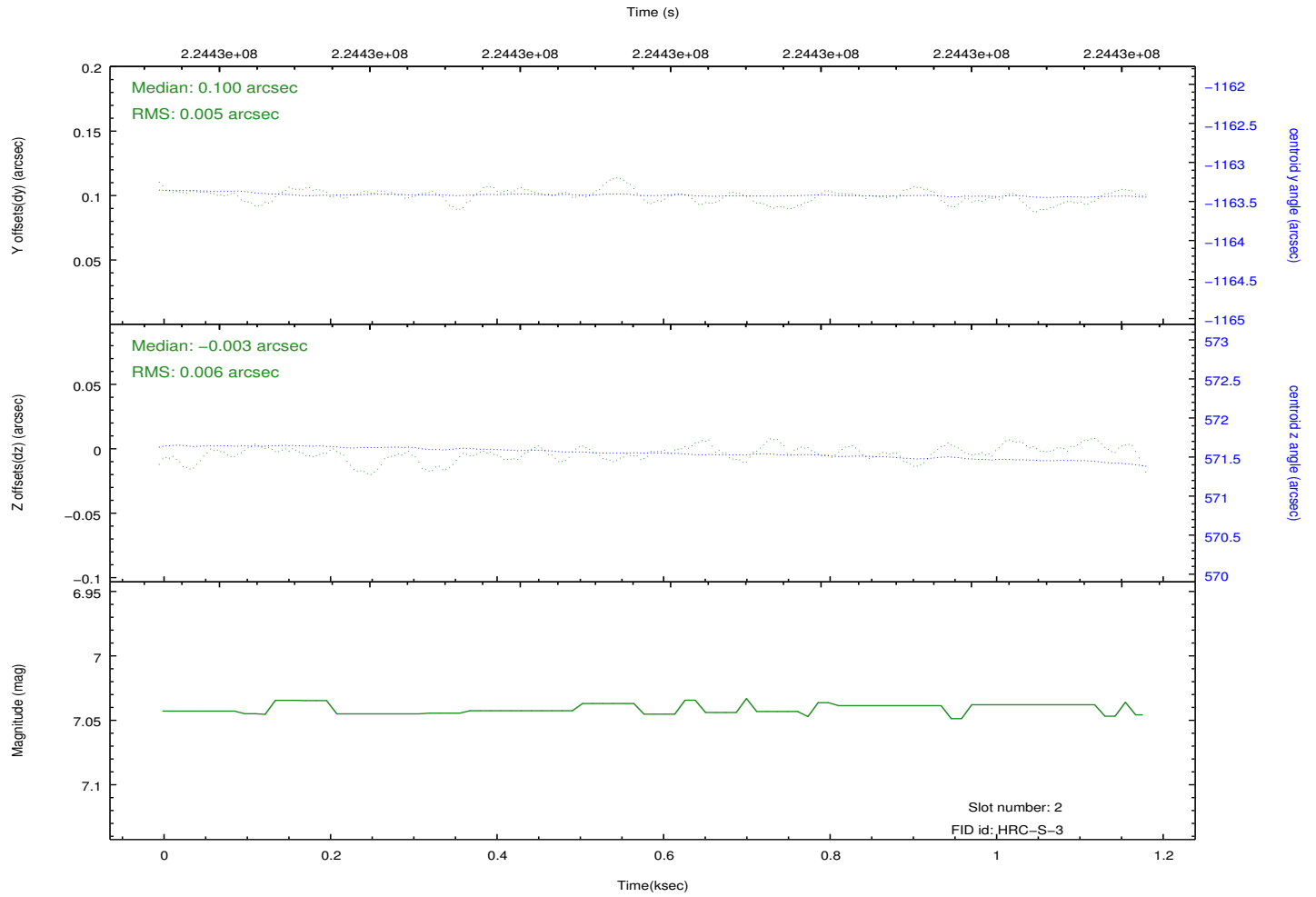
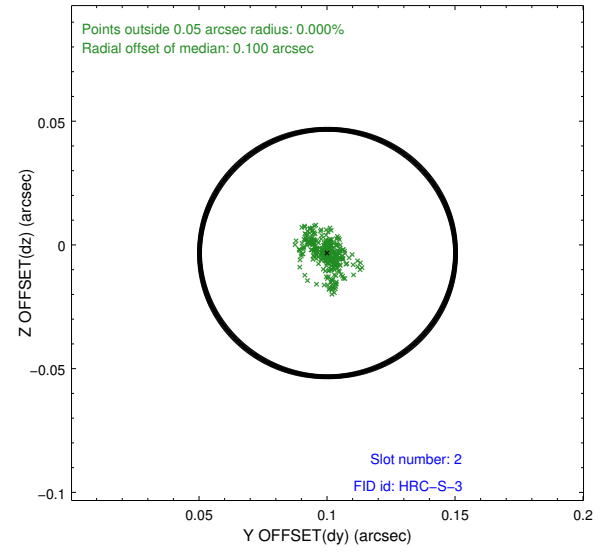
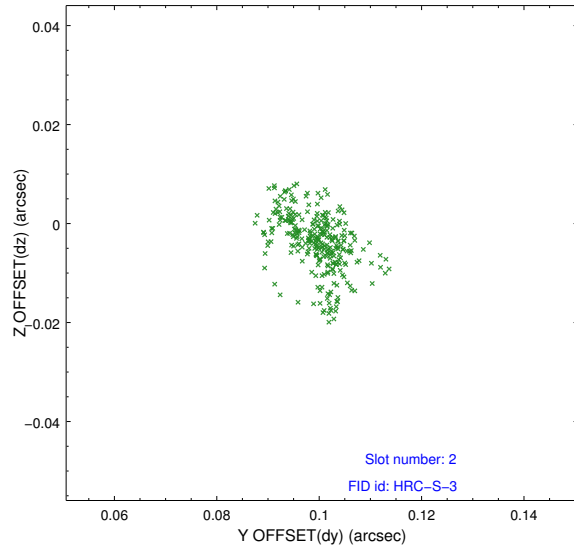
### 2.5.1 Slot 0



## 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)	2013.01.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.155431

### A.2 Comments