

# V&V Reference Report

## L2 ASCDS Version : 8.5.1

Observation 6030 - L2 Version 3  
Chandra X-Ray Center

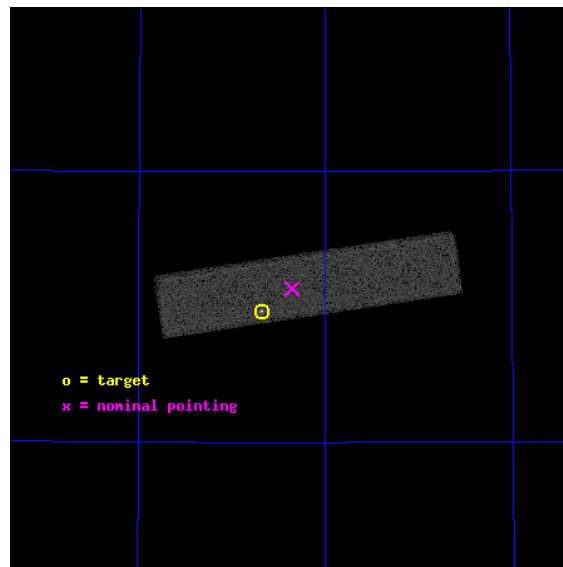
L2 Processing Date : Dec 18 2012

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# 1 Front

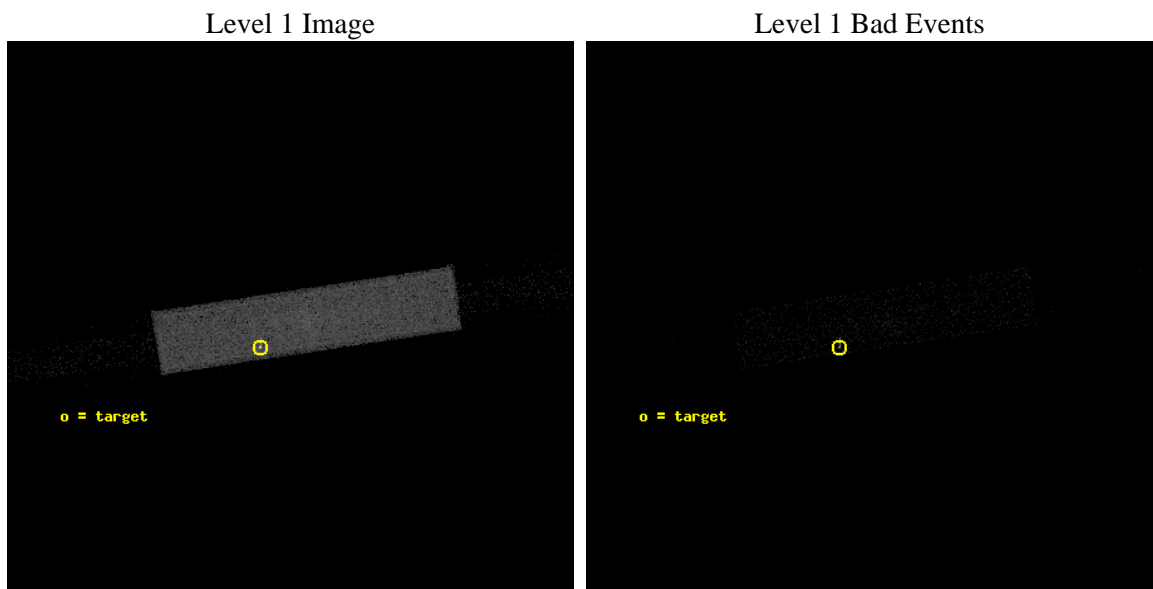
seq_num	290522	Sequence number
obs_id	6030	Observation id
title	AO6A Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.08925967631	Nominal RA [deg]
dec_nom	45.783807190284	Nominal Dec [deg]
roll_nom	351.39975185436	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1155.4313022792	[s]
livetime	1148.5715327261	Ontime multiplied by DTCOR
l2events	47810	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	77444	Number of level 1 events
date	2012-12-17T04:22:59	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

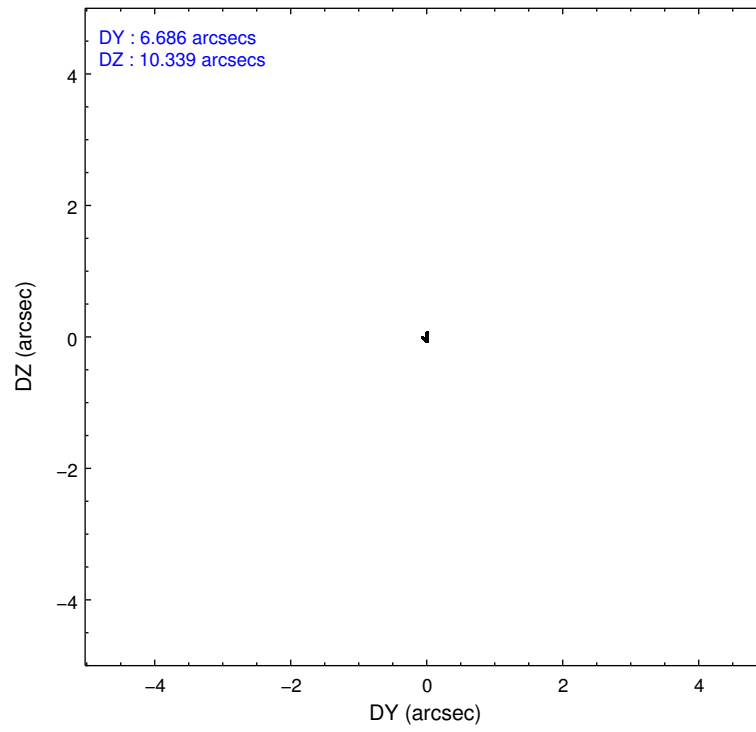
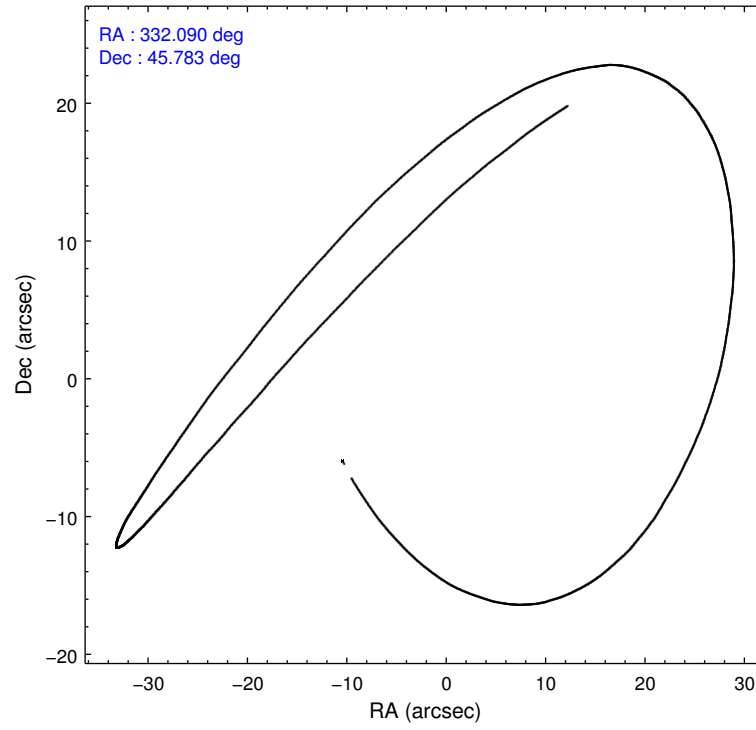
Level 1 Events

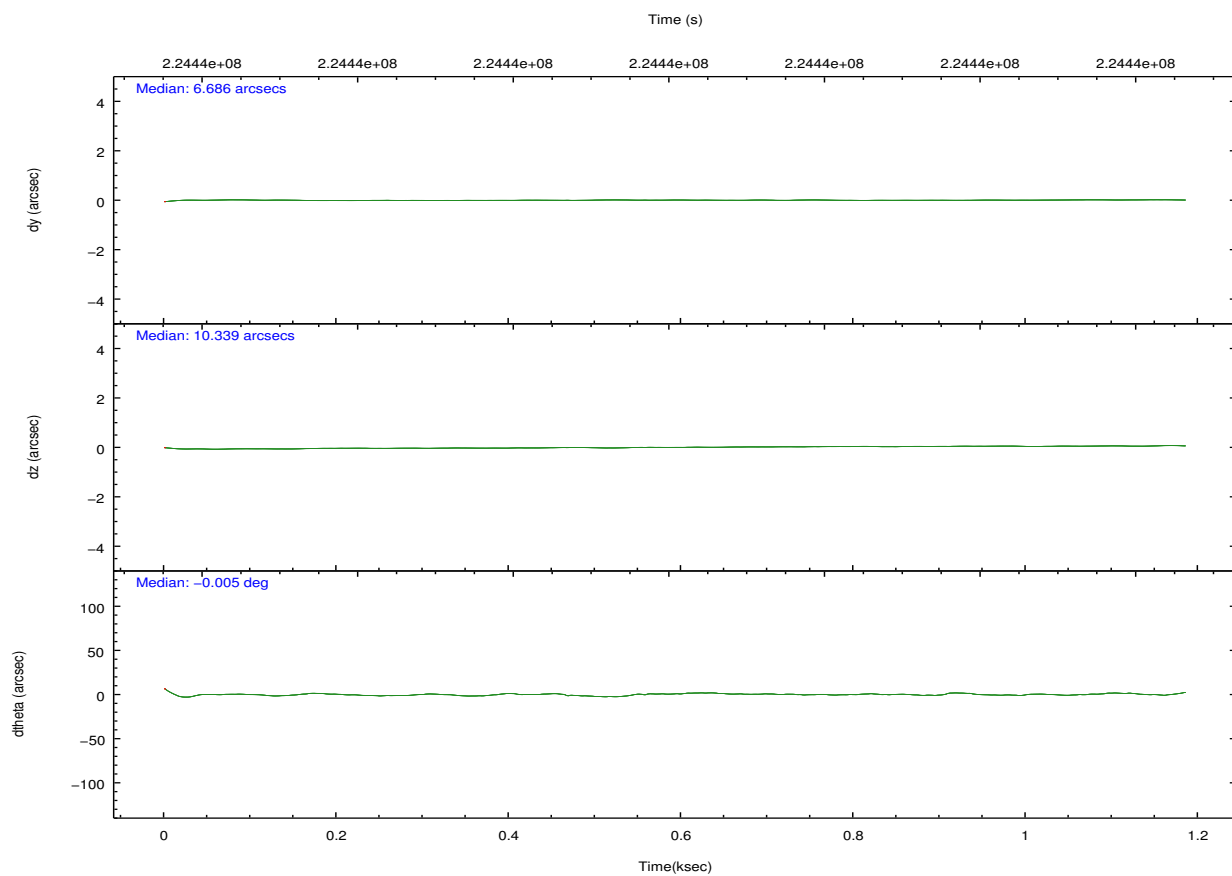
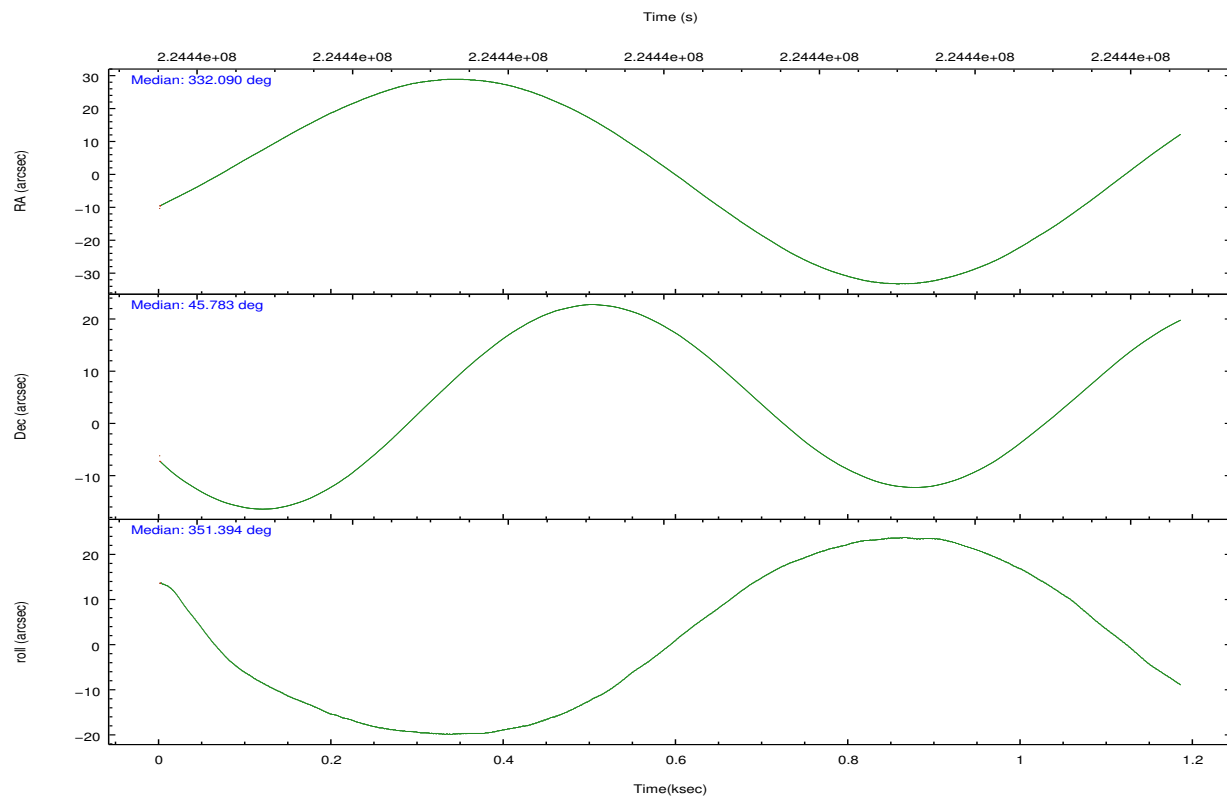
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	669	76120	655
rejected events	669	17396	655
rejected %	100%	22%	100%

## 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	332.051974	332.0892596763127			
[deg] Pointing Dec	45.772749	45.78380719028419			
[deg] Pointing Roll	351.359089	351.3997518543562			
[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)	224435803.184000	224435427.30798			
Observation start date	2005-02-10T15:15:39	2005-02-10T15:10:27			
[s] Observation end time (MET)	224436803.184000	224436937.13305			
Observation end date	2005-02-10T15:32:19	2005-02-10T15:35:37			

## 2.3 Aspect





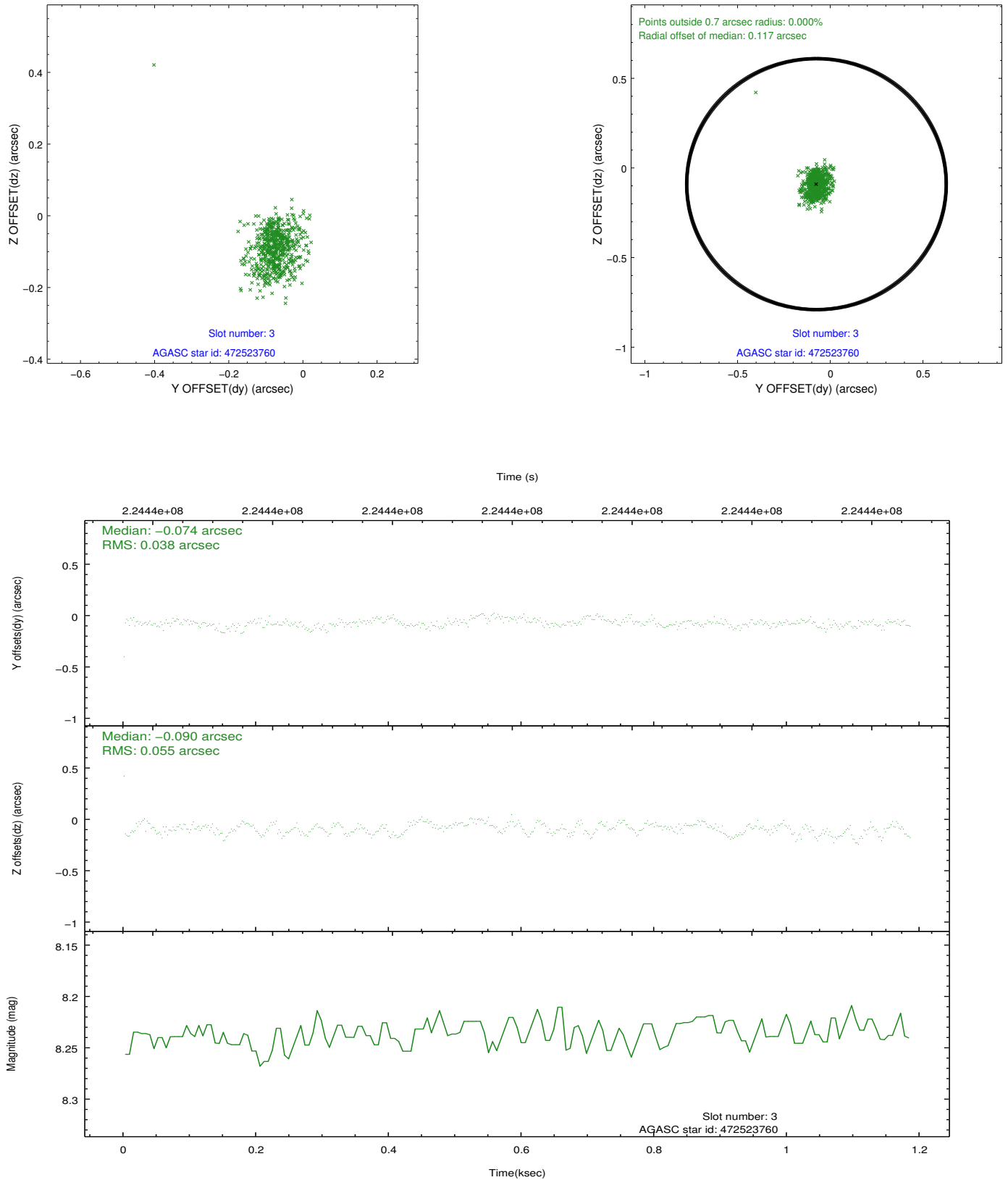
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.03	290	0.081	-0.122	0.005	0.008	0.000000	0.000000	-1160.86	-459.03
1	FID	HRC-S-2	7.03	290	0.142	-0.150	0.010	0.019	0.000000	0.000000	1234.88	-453.21
2	FID	HRC-S-4	6.99	290	0.180	-0.032	0.009	0.018	0.000000	0.000000	1241.73	571.66
3	GUIDE	472523760	8.24	579	-0.074	-0.090	0.068	0.106	331.645363	45.403260	-816.70	-1464.36
4	GUIDE	472535576	7.85	579	-0.040	0.083	0.055	0.087	331.438373	46.291802	-1792.36	1624.05
5	GUIDE	472536328	8.13	579	-0.035	-0.008	0.064	0.101	331.496671	46.454831	-1734.71	2230.90
6	GUIDE	472665256	9.01	579	-0.081	0.010	0.097	0.169	332.808125	46.195041	1629.88	1801.72
7	GUIDE	472655152	9.43	576	0.223	-0.000	0.094	0.155	332.504239	45.862991	1074.62	500.67

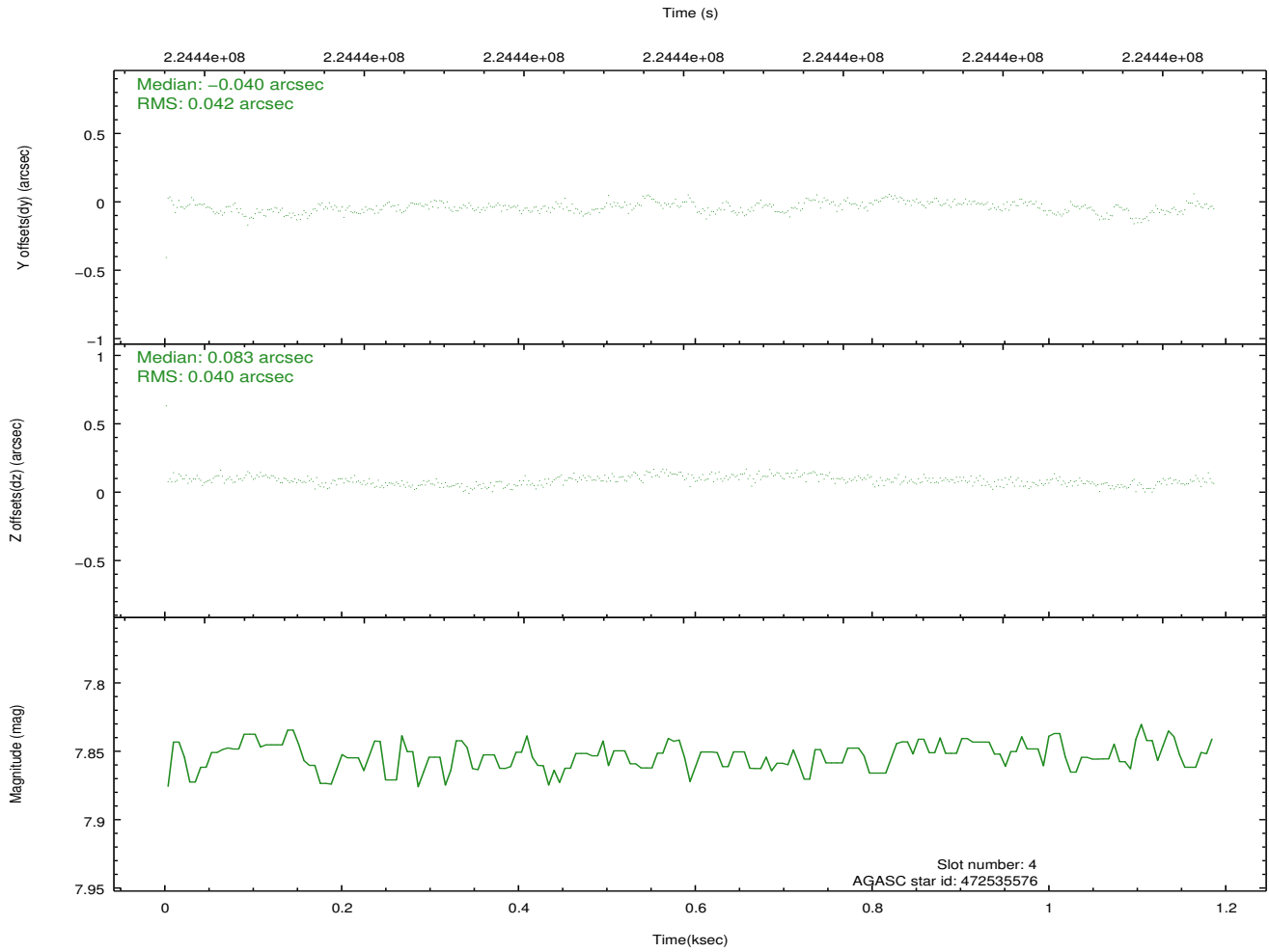
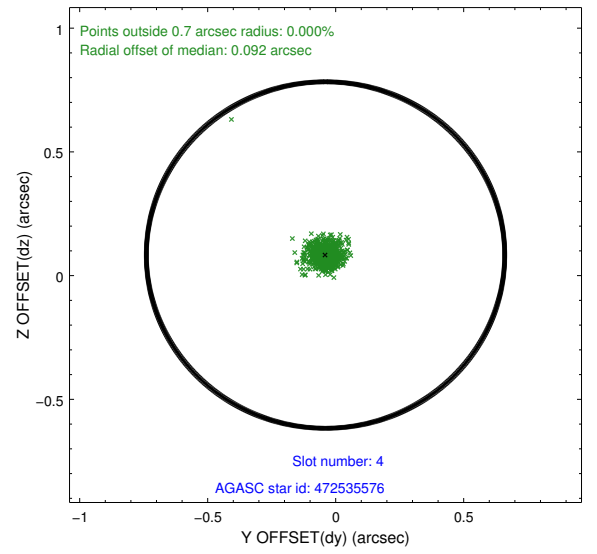
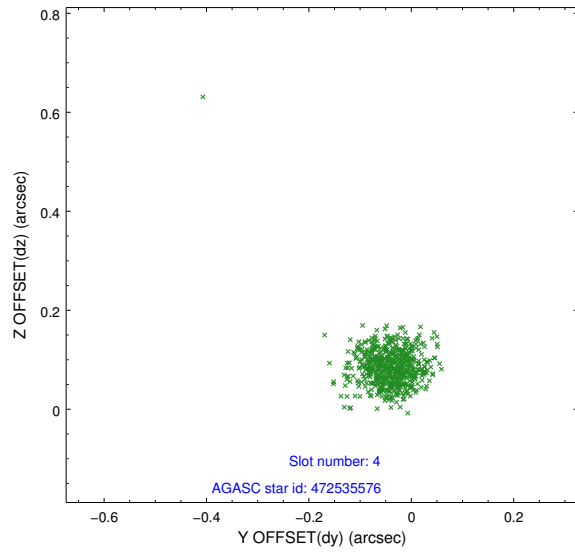


## 2.4 Star Slots

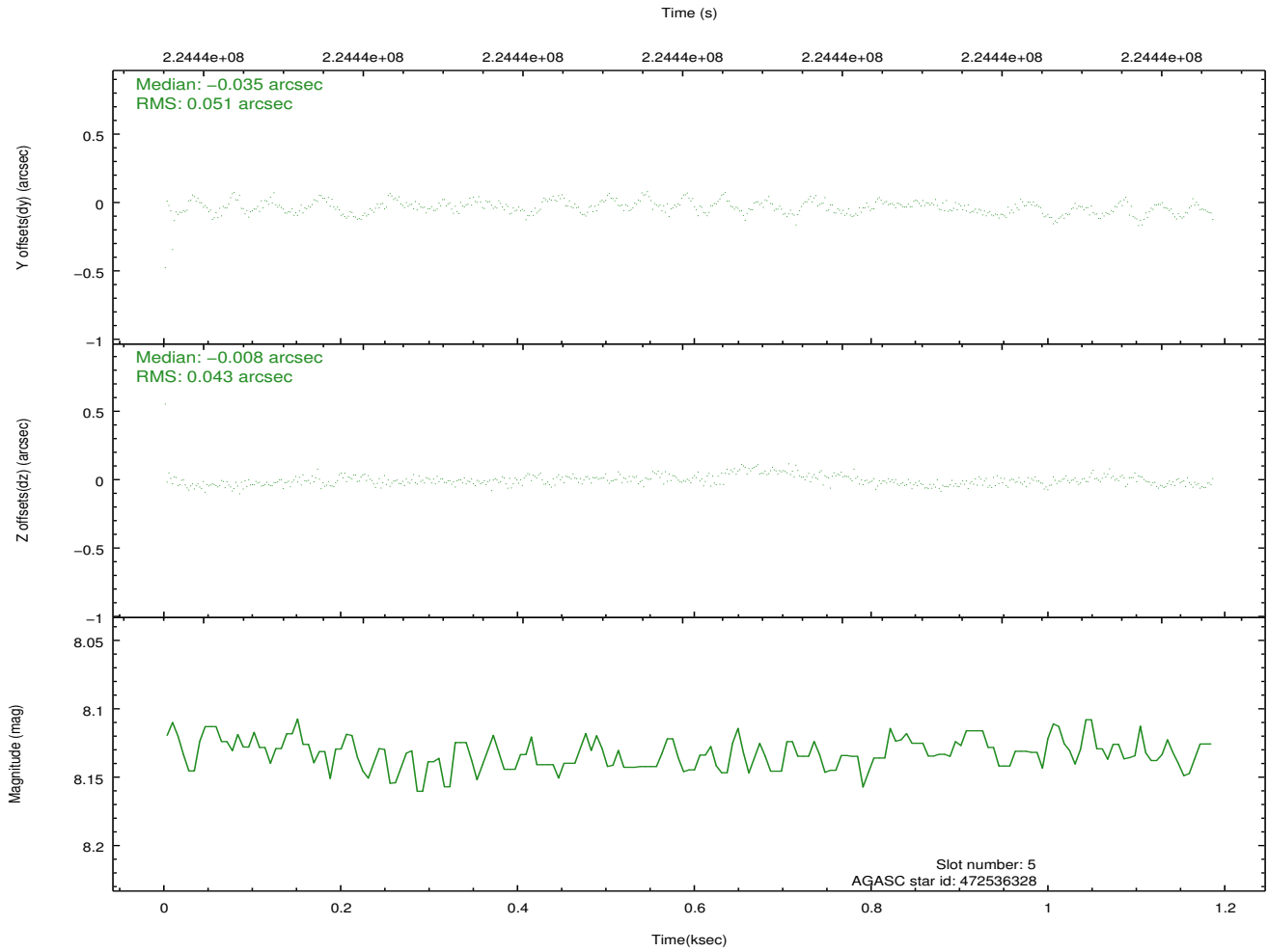
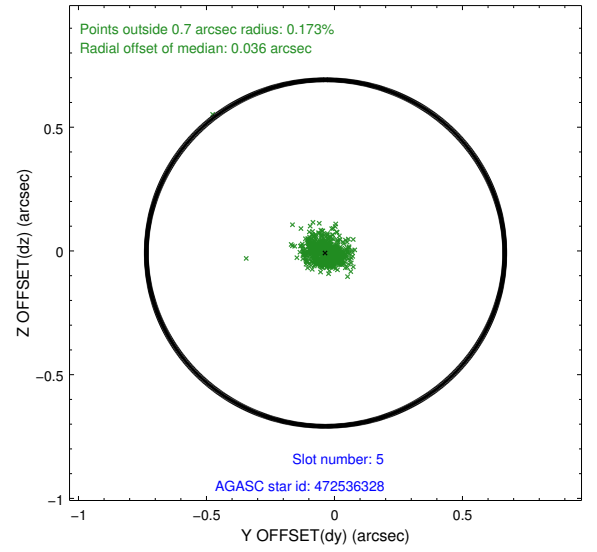
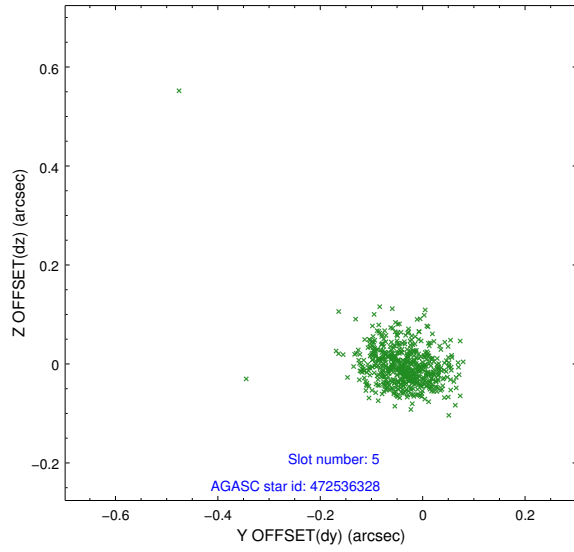
### 2.4.1 Slot 3



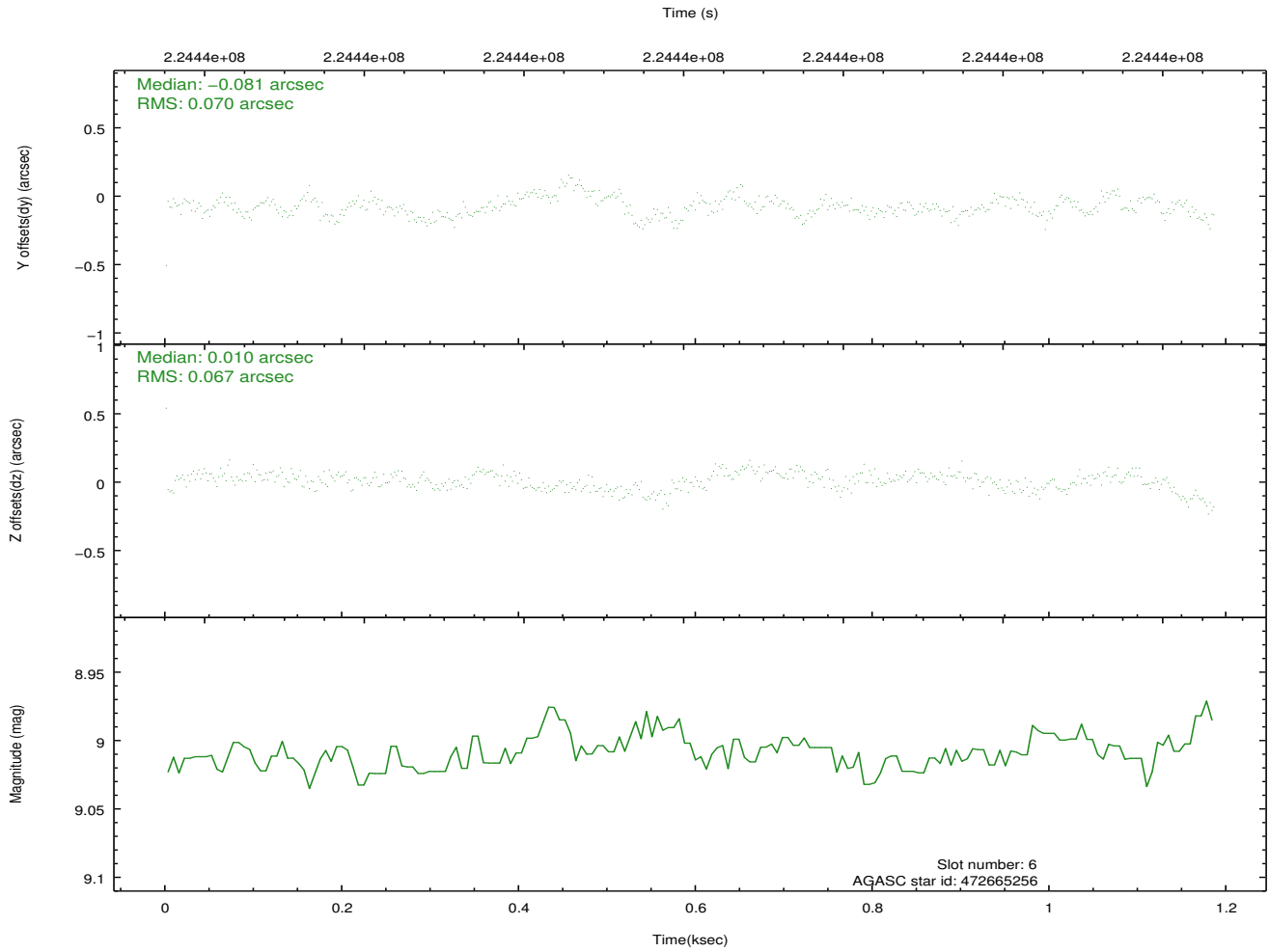
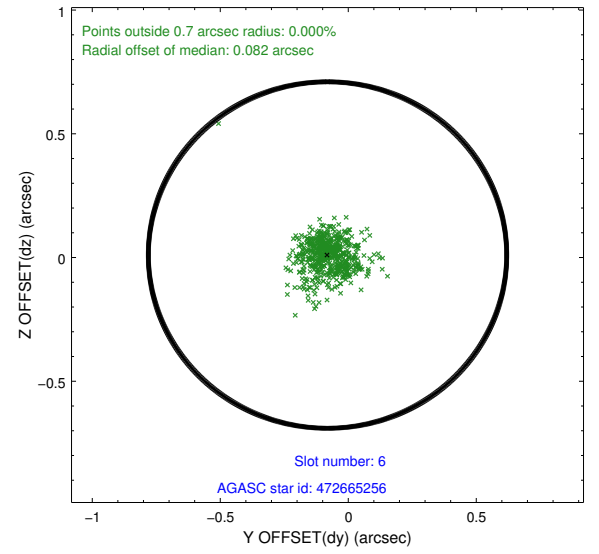
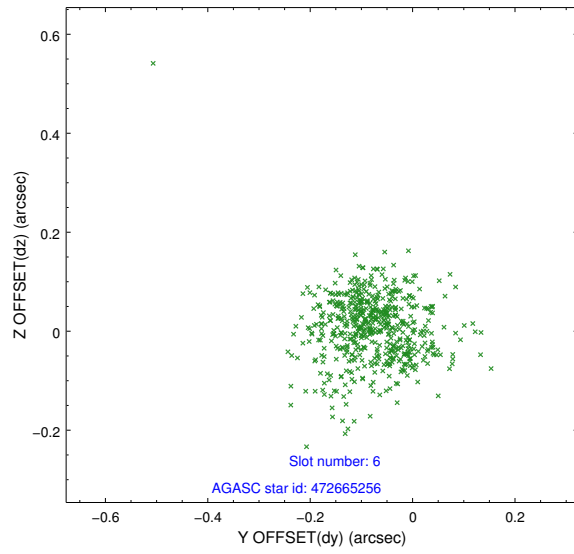
## 2.4.2 Slot 4



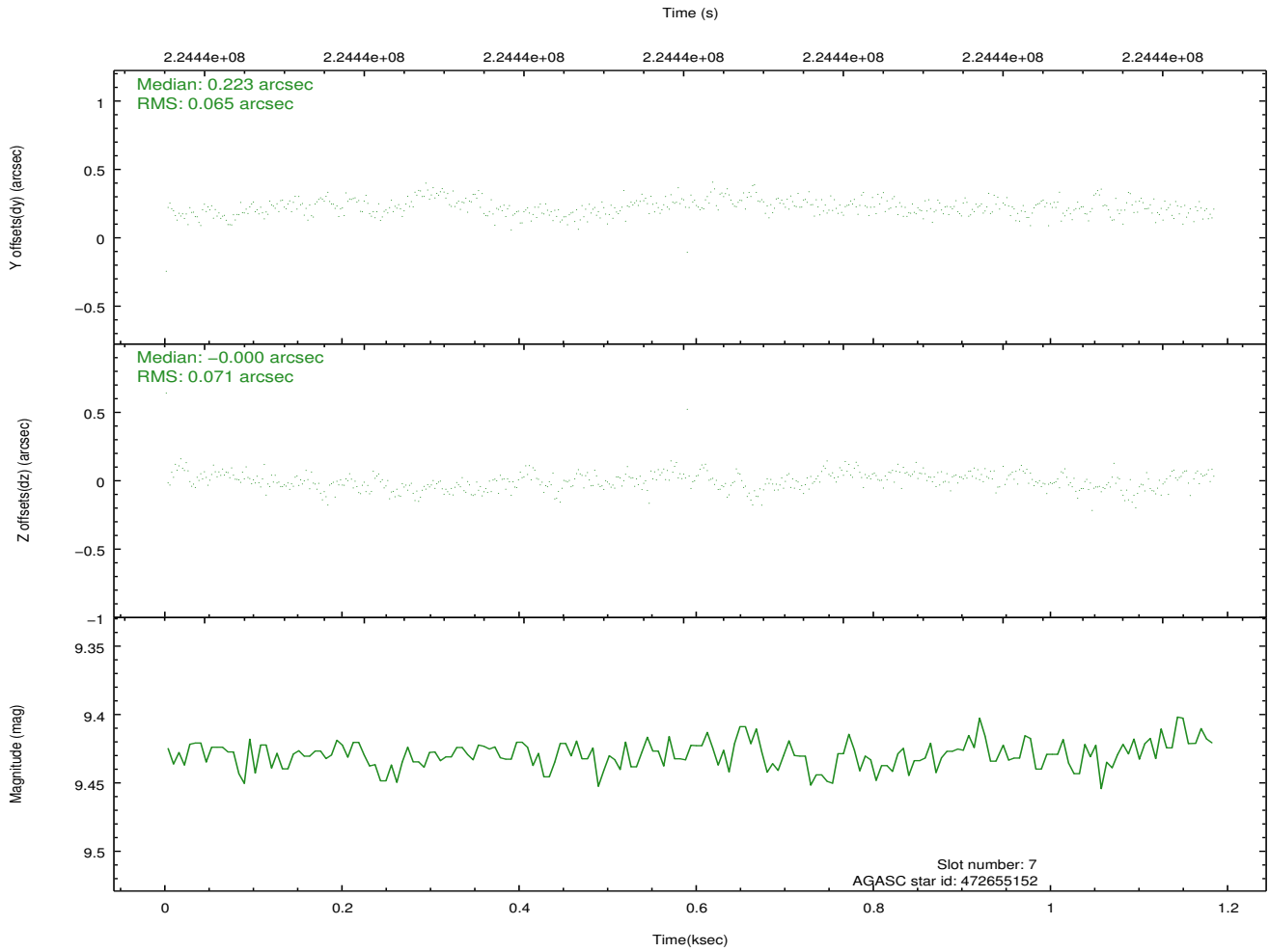
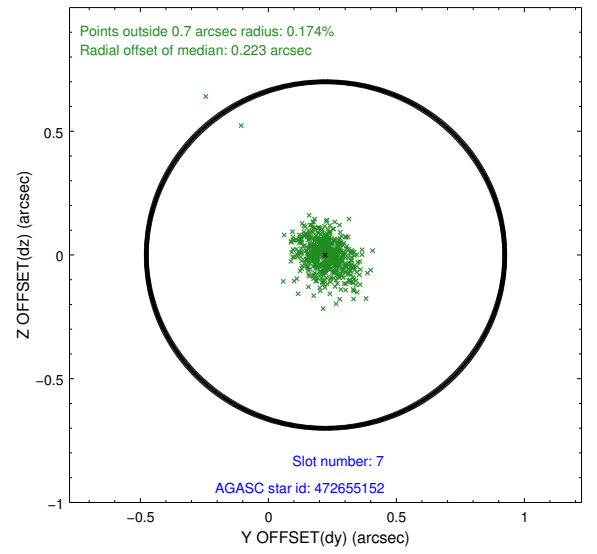
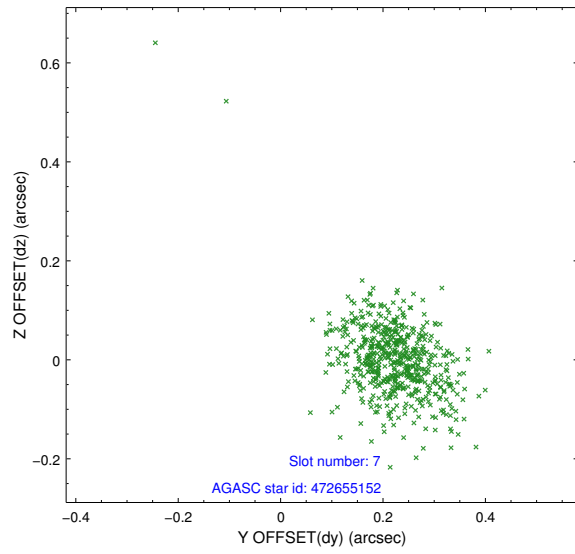
### 2.4.3 Slot 5



## 2.4.4 Slot 6

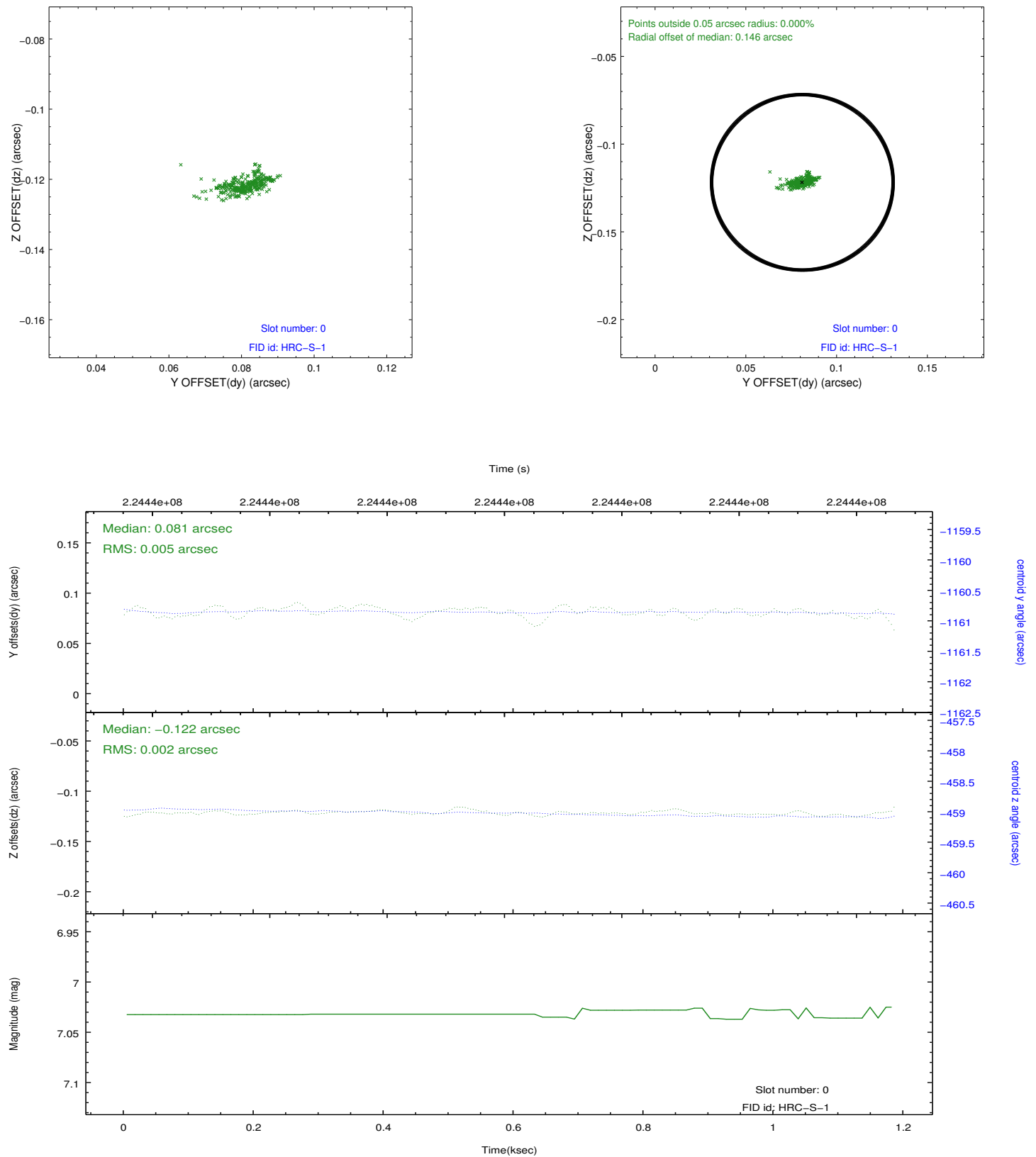


## 2.4.5 Slot 7

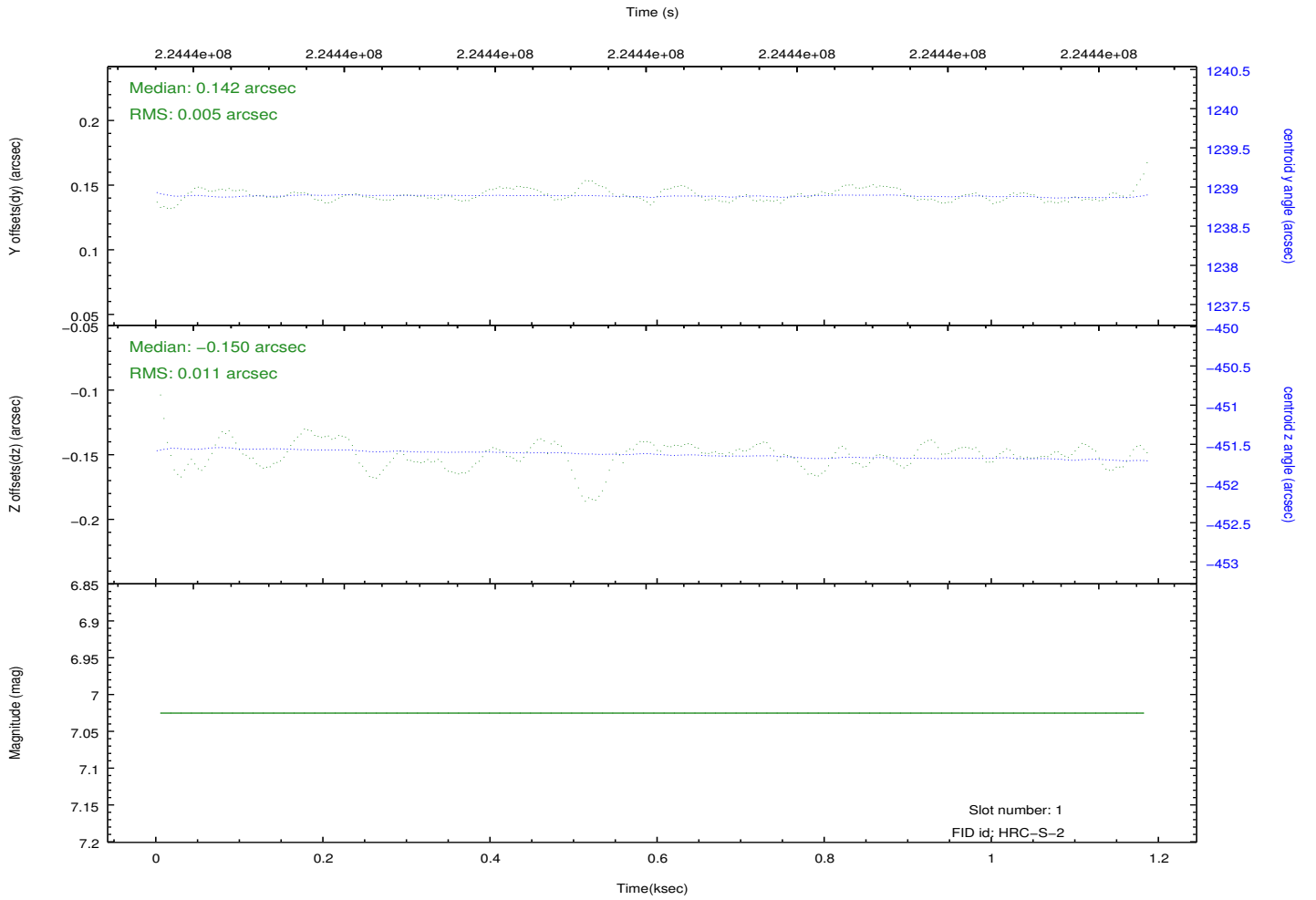
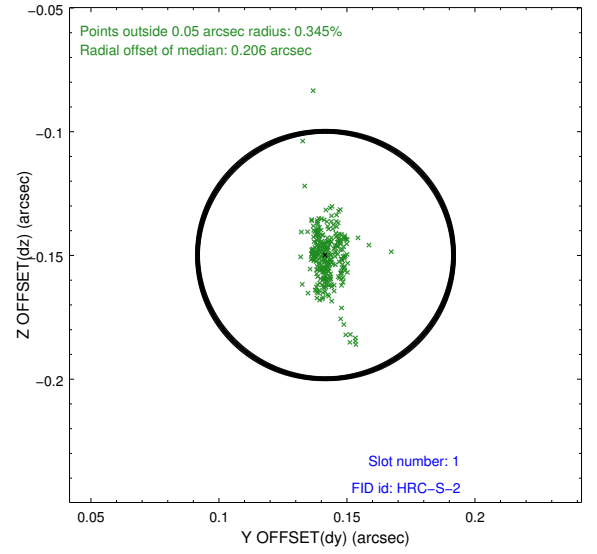
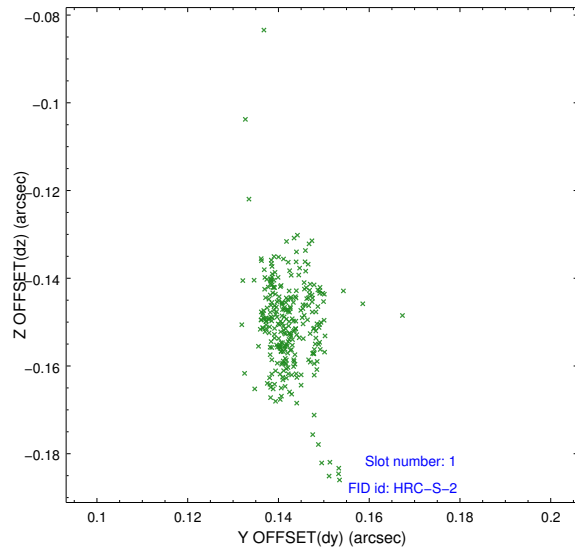


## 2.5 FID Slots

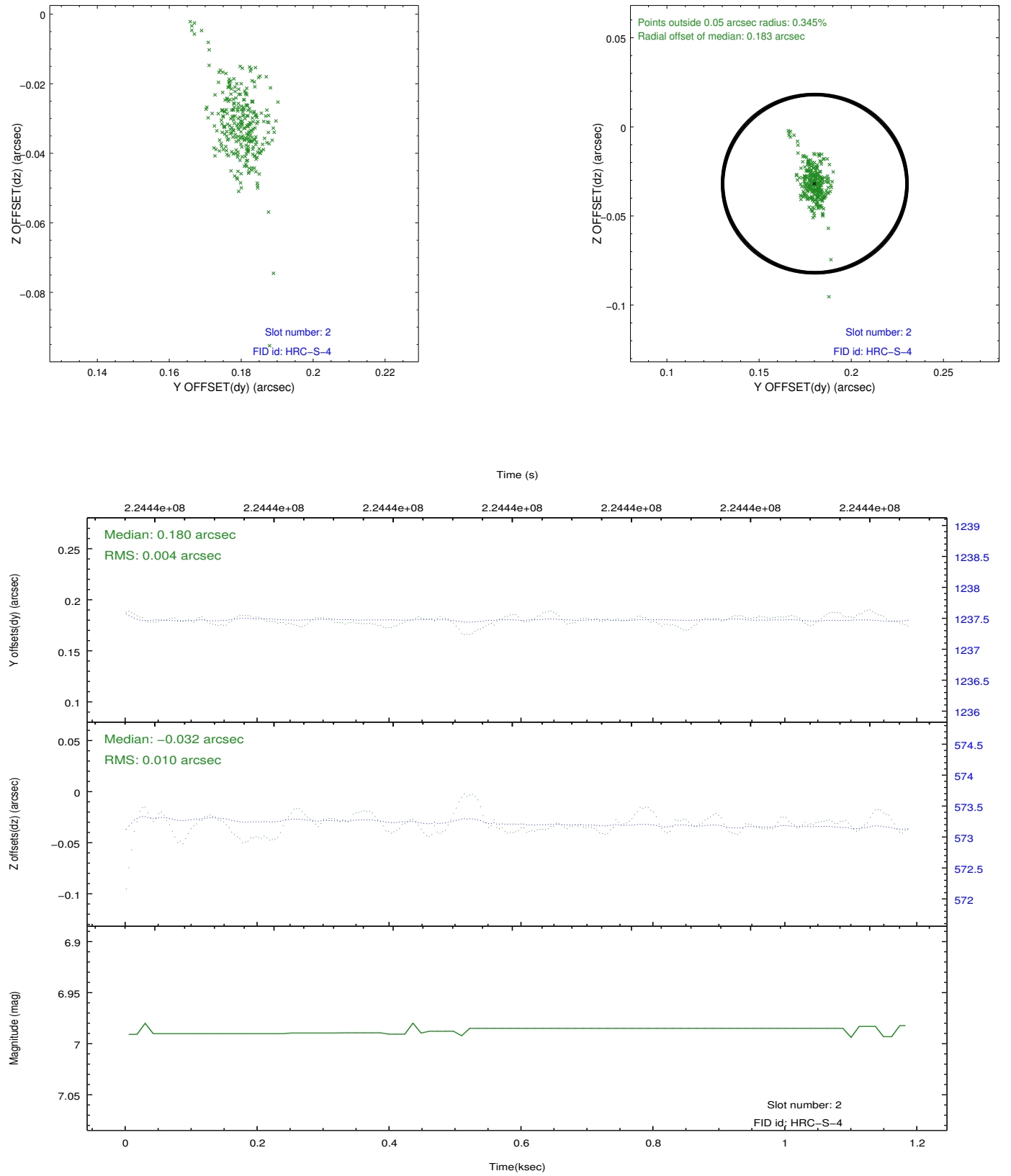
### 2.5.1 Slot 0



## 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	1.155431

### A.2 Comments