

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 2373 - L2 Version 5  
Chandra X-Ray Center

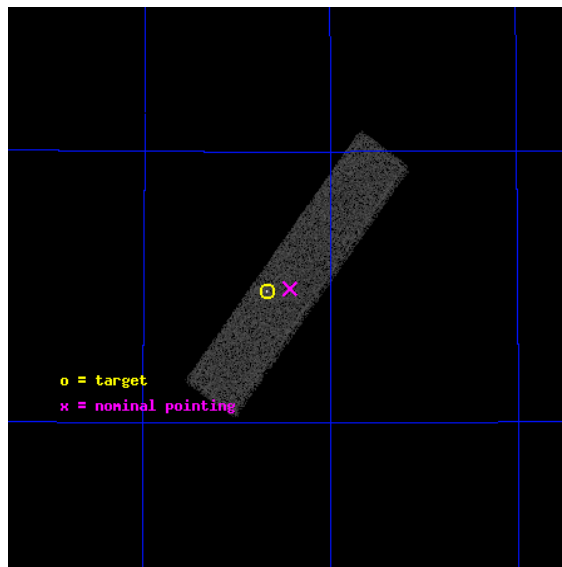
L2 Processing Date : Sep 4 2012

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# 1 Front

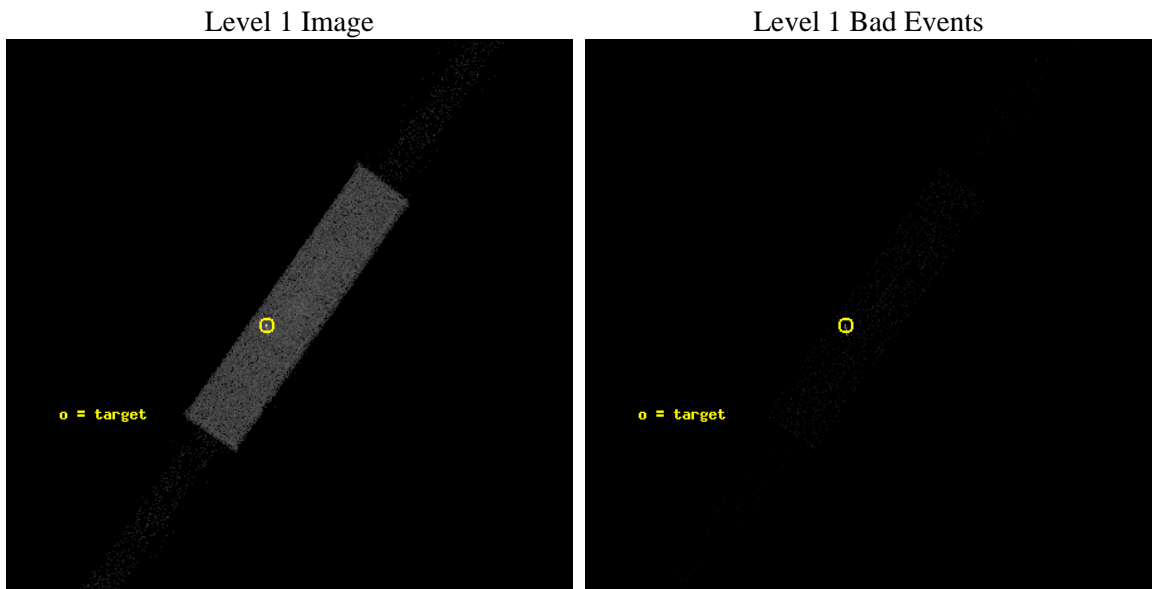
seq_num	290119	Sequence number
obs_id	2373	Observation id
title	HRC-I CALIBRATION OBSERVATIONS OF ARLAC	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC,HRC-S,AO2	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.1084351056	Nominal RA [deg]
dec_nom	45.747090503632	Nominal Dec [deg]
roll_nom	305.253984378	Nominal Roll [deg]
revision	5	Processing version of data
ontime	1142.1062937081	[s]
livetime	1136.8100805478	Ontime multiplied by DTCOR
l2events	35642	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	8.4.5	Processing system revision	ontime	1142.1062937081	[s]
caldbver	4.5.1.1	&#160	l1events	60131	Number of level 1 events
date	2012-09-05T01:21:01	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

Level 1 Events

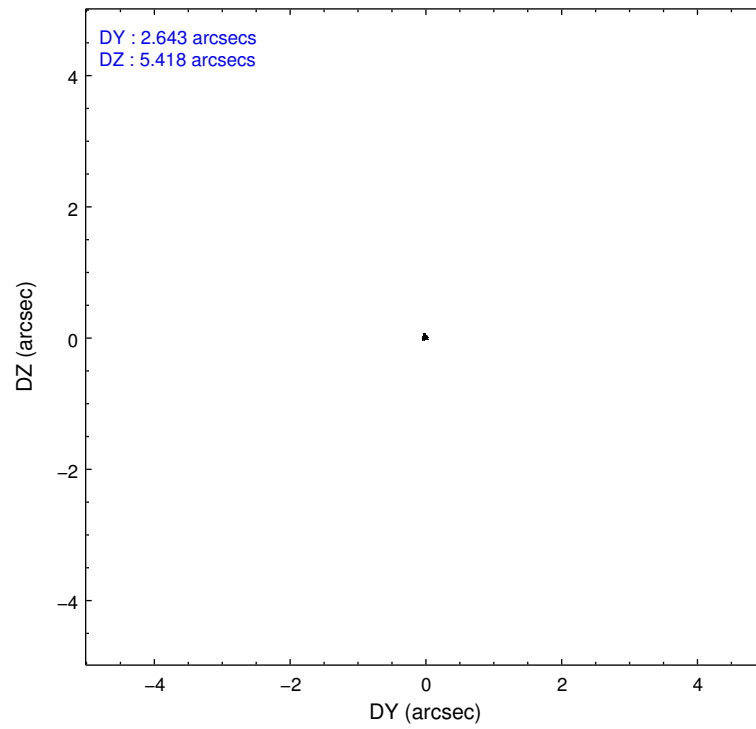
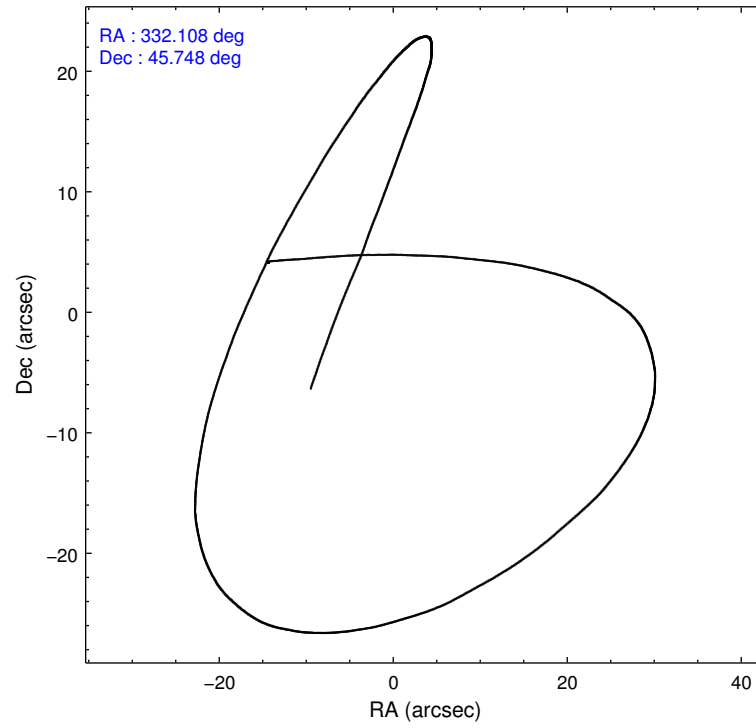
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	959	58253	919
rejected events	959	13288	919
rejected %	100%	22%	100%

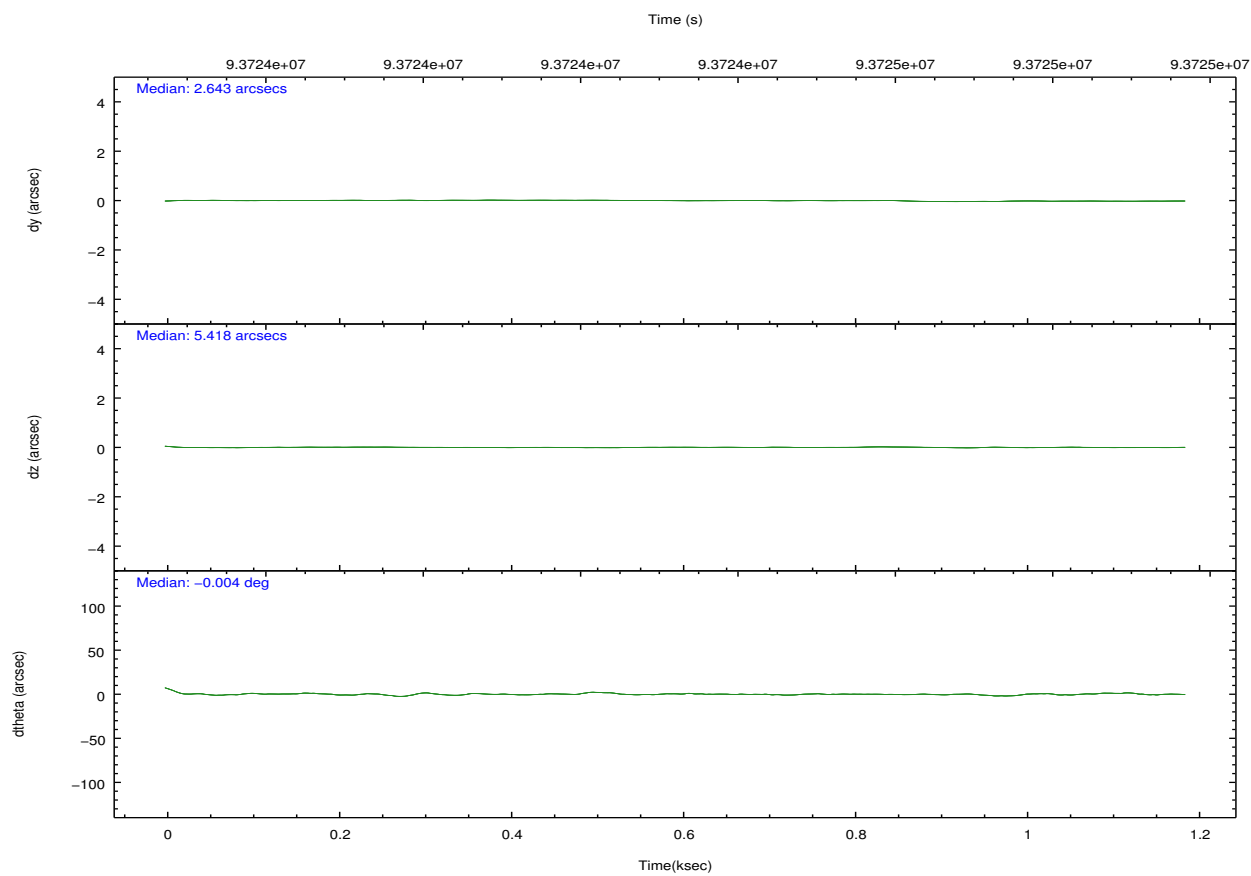
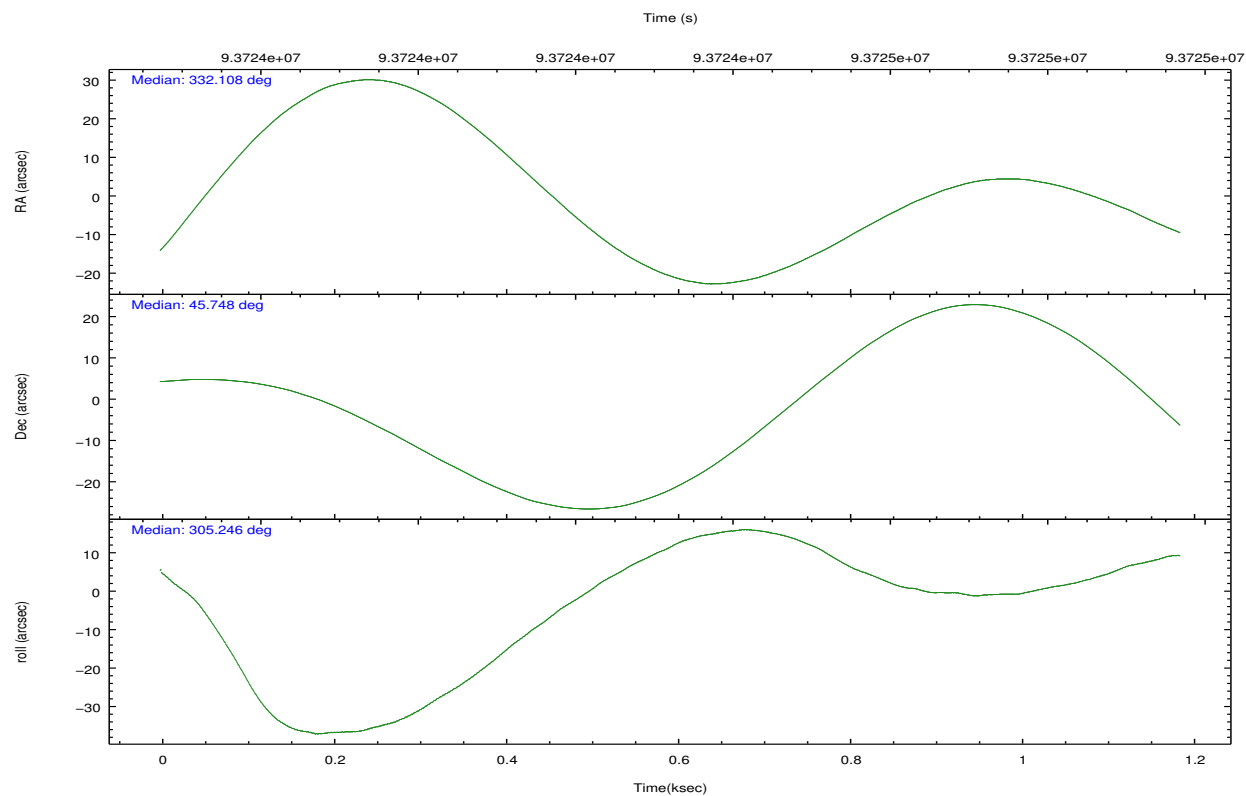
## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-S	HRC-S
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	332.069119	332.1084351055989
[deg] Pointing Dec	45.757133	45.74709050363229
[deg] Pointing Roll	305.214863	305.2539843779965
[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)	93723912.184000	93723536.064105
Observation start date	2000-12-20T18:24:08	2000-12-20T18:18:56
[s] Observation end time (MET)	93724912.184000	93725045.889163
Observation end date	2000-12-20T18:40:48	2000-12-20T18:44:05

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

## 2.3 Aspect





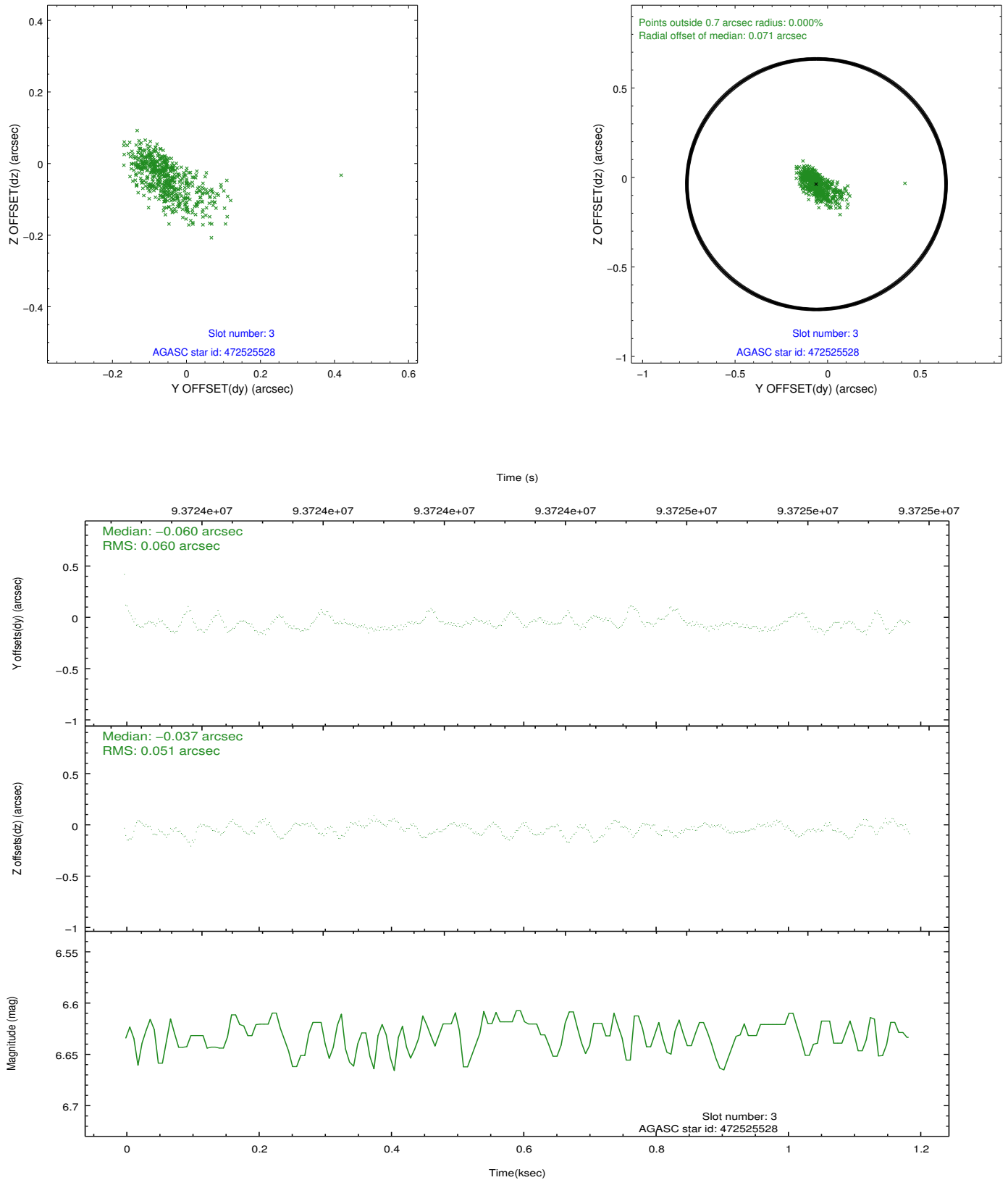
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.97	290	0.133	-0.105	0.004	0.008	0.000000	0.000000	-1156.67	-453.92
1	FID	HRC-S-2	6.98	290	0.128	-0.154	0.007	0.012	0.000000	0.000000	1239.02	-448.13
2	FID	HRC-S-4	6.93	290	0.142	-0.045	0.007	0.012	0.000000	0.000000	1245.86	576.72
3	GUIDE	472525528	6.63	580	-0.060	-0.037	0.077	0.147	331.551102	45.248694	735.76	-2130.74
4	GUIDE	472523760	8.23	579	-0.066	-0.213	0.056	0.093	331.645363	45.403260	422.88	-1617.00
5	GUIDE	472655152	9.43	577	-0.063	0.080	0.095	0.165	332.504239	45.862991	316.24	1104.88
6	GUIDE	472655704	9.48	578	0.082	-0.008	0.091	0.150	332.167195	45.285228	1532.42	-779.63
7	GUIDE	472646552	9.63	579	0.097	0.181	0.108	0.184	333.120915	45.571877	2062.13	1785.02

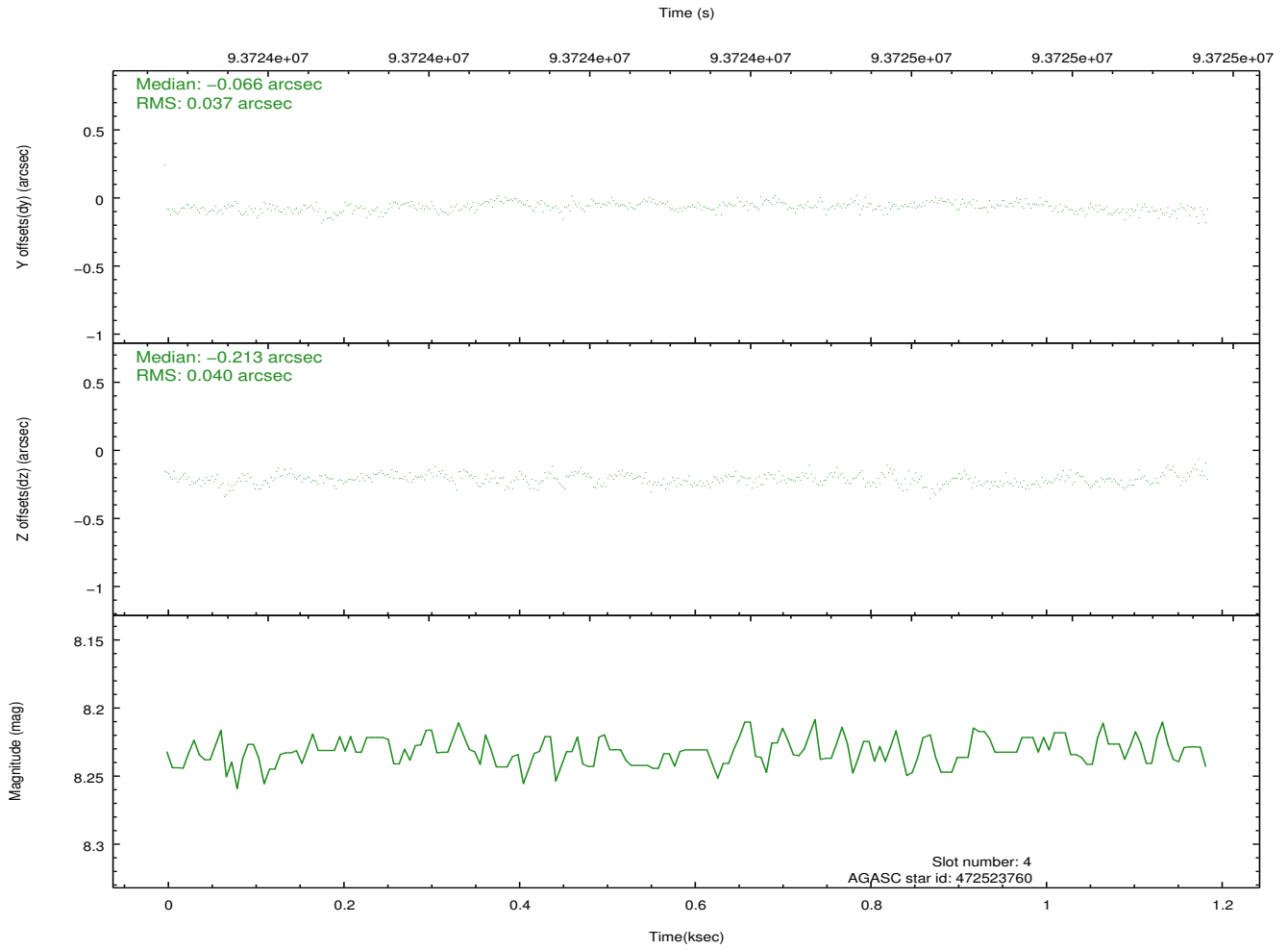
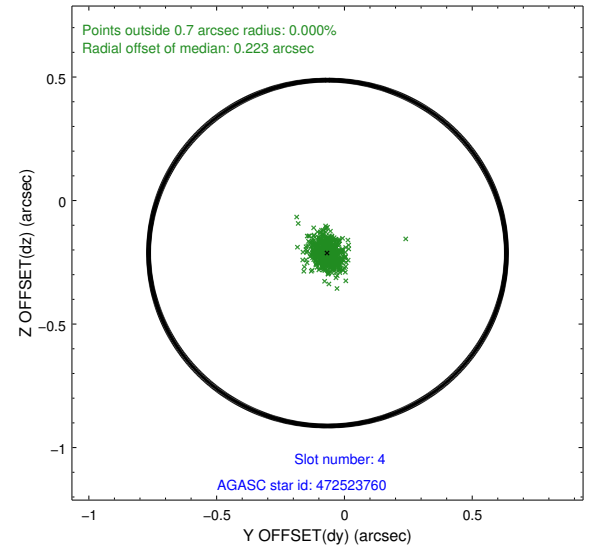
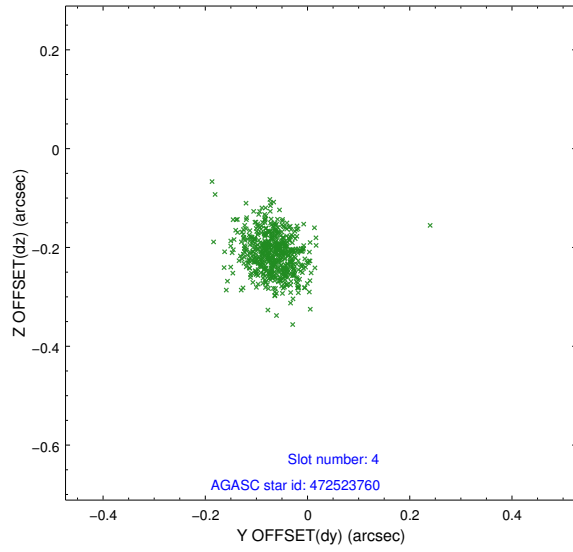


## 2.4 Star Slots

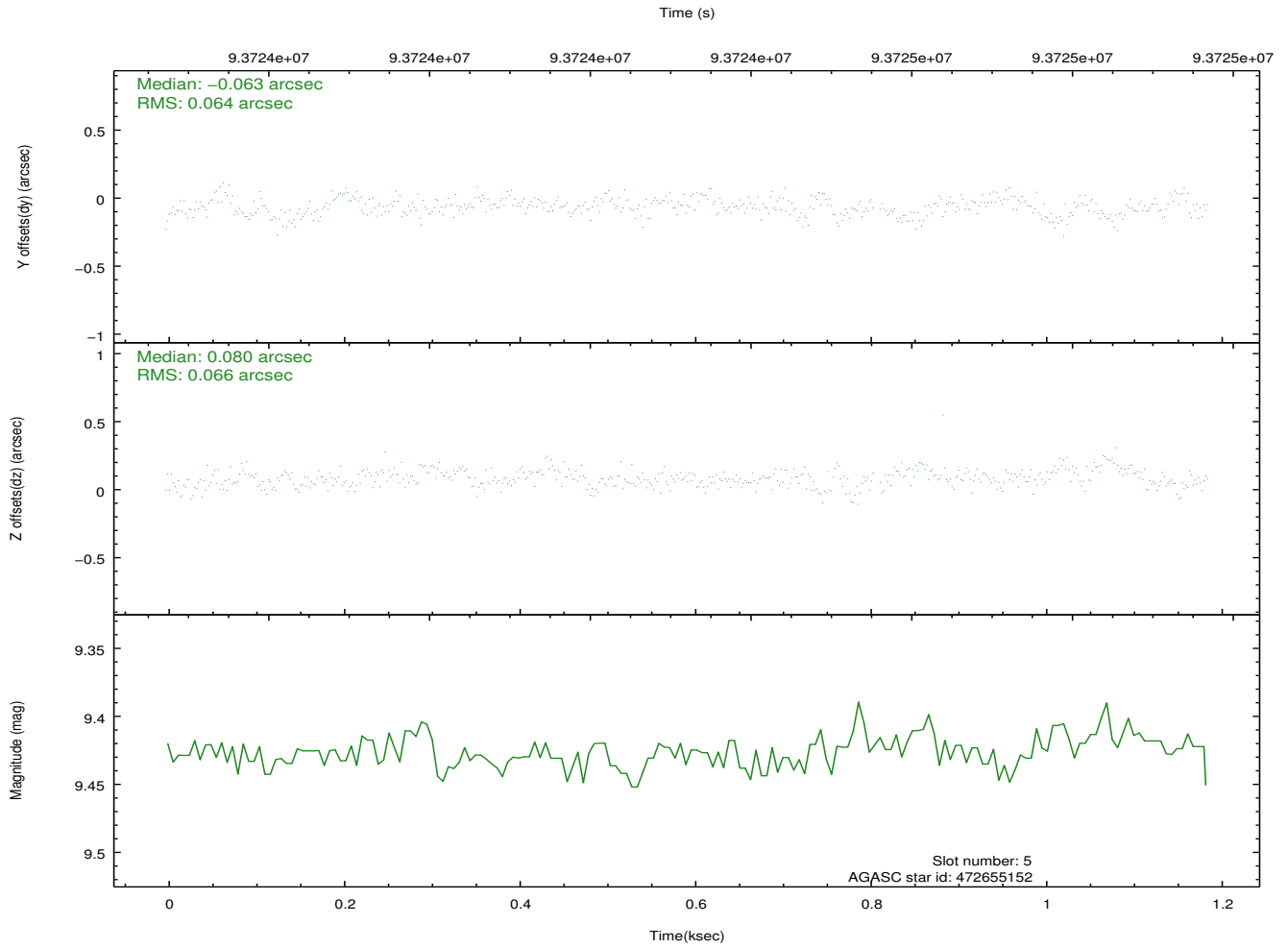
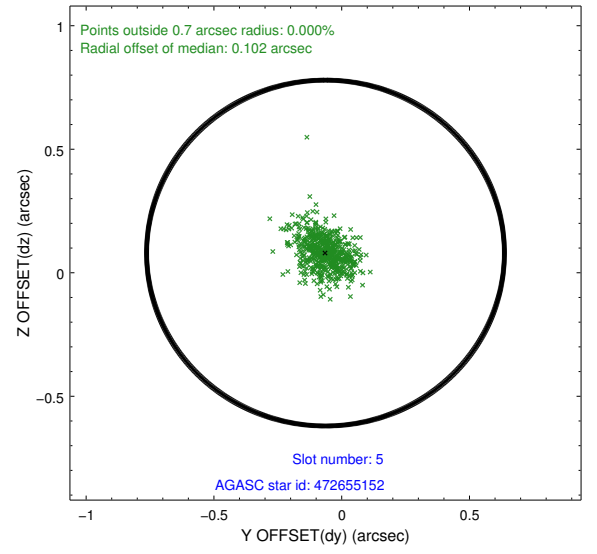
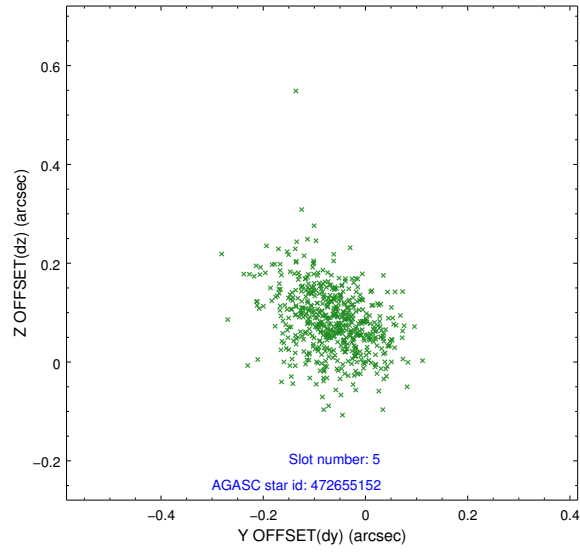
### 2.4.1 Slot 3



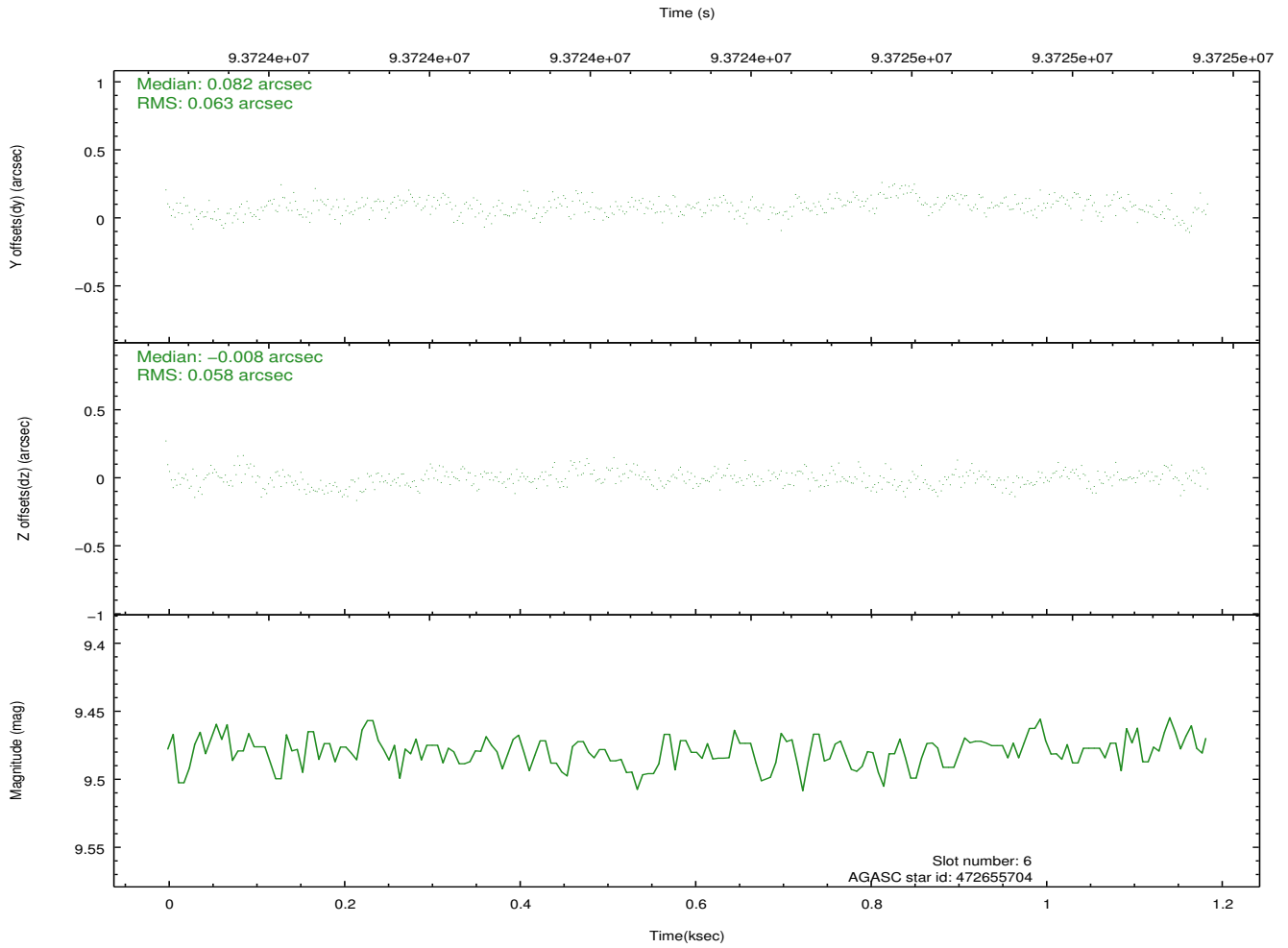
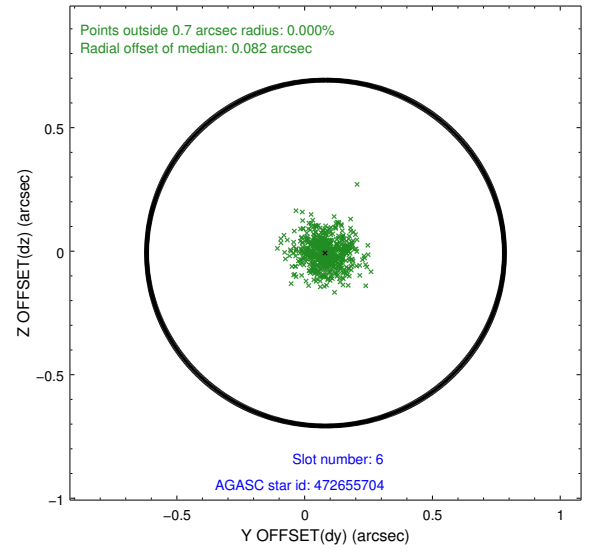
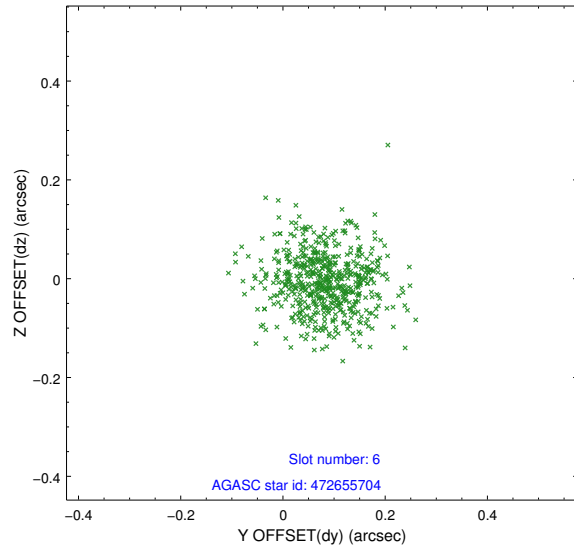
## 2.4.2 Slot 4



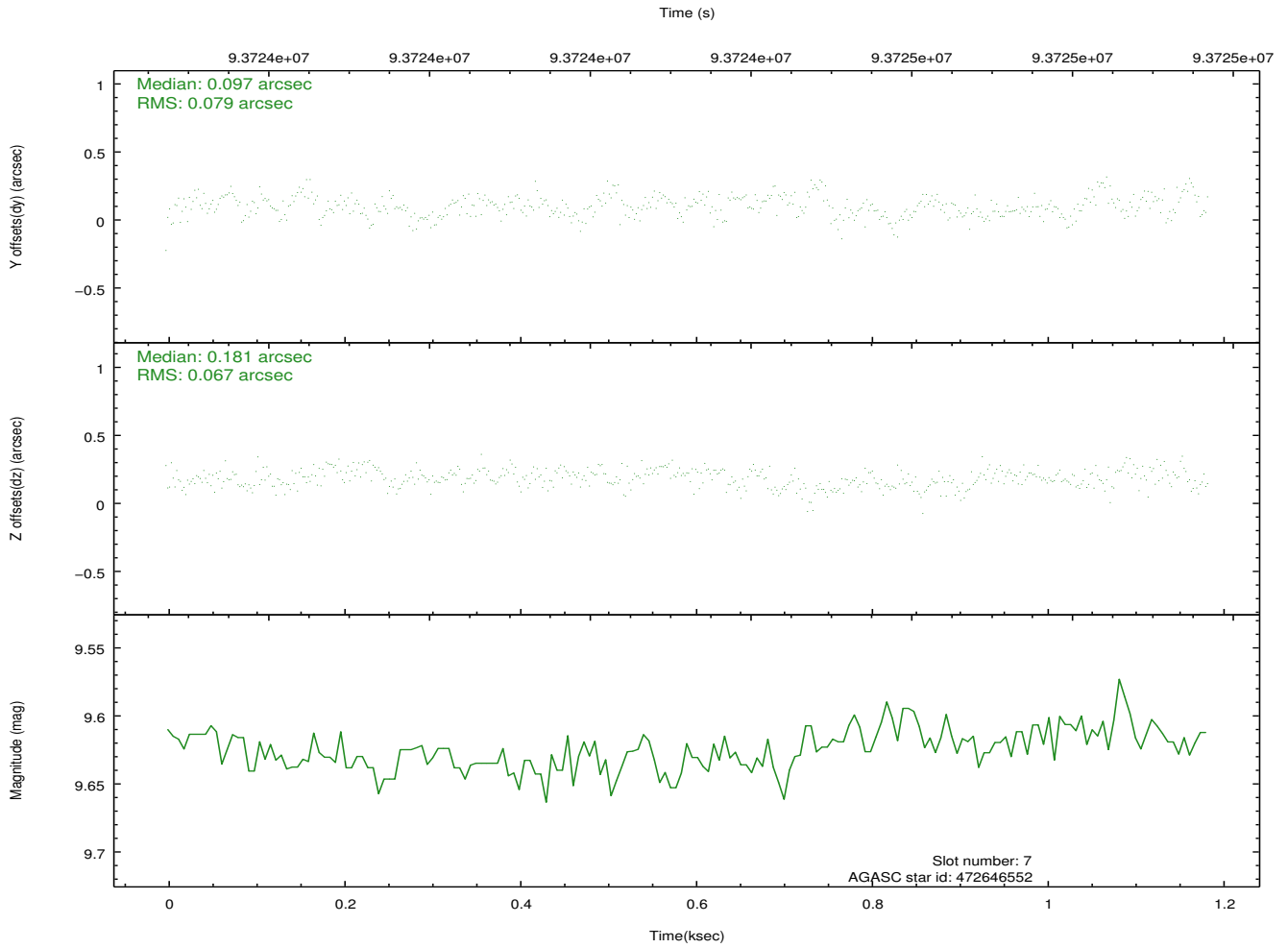
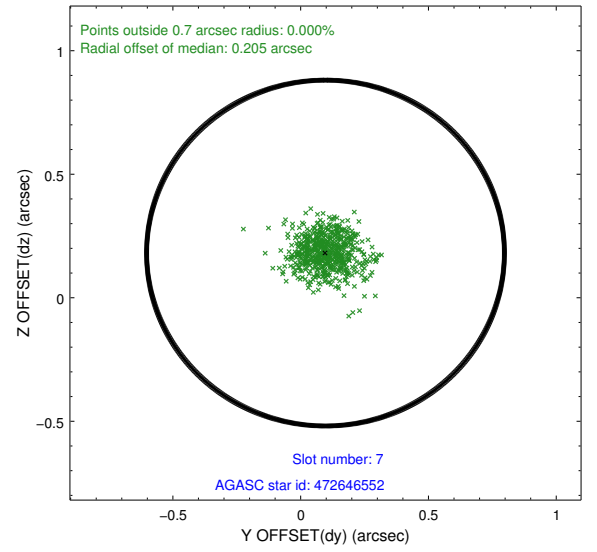
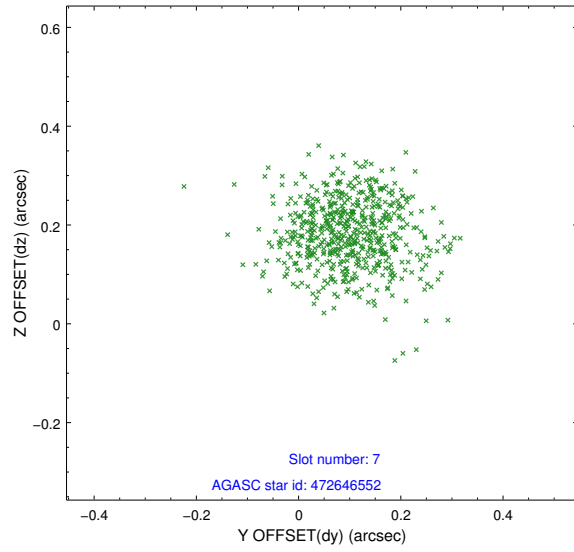
### 2.4.3 Slot 5



## 2.4.4 Slot 6

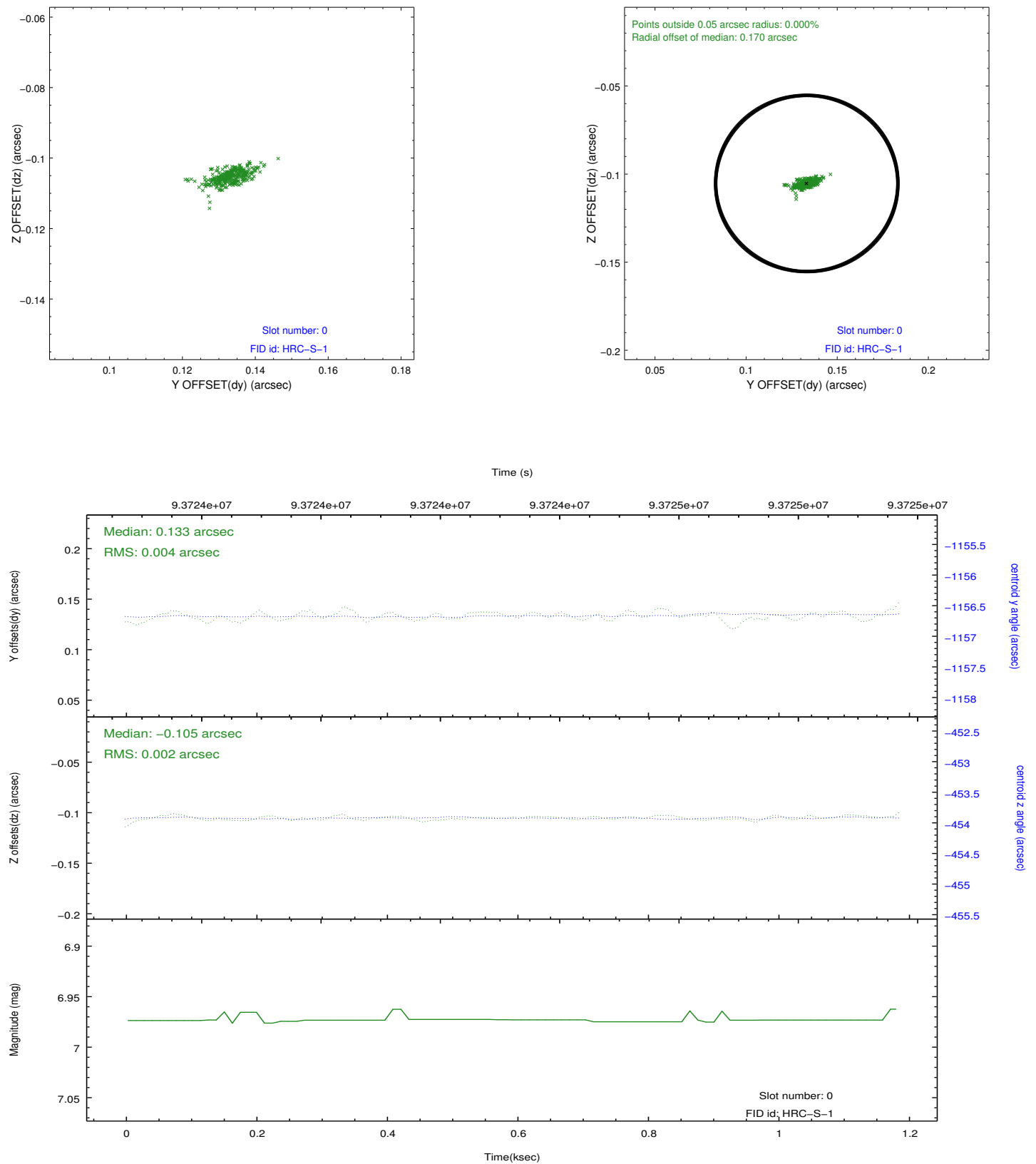


## 2.4.5 Slot 7

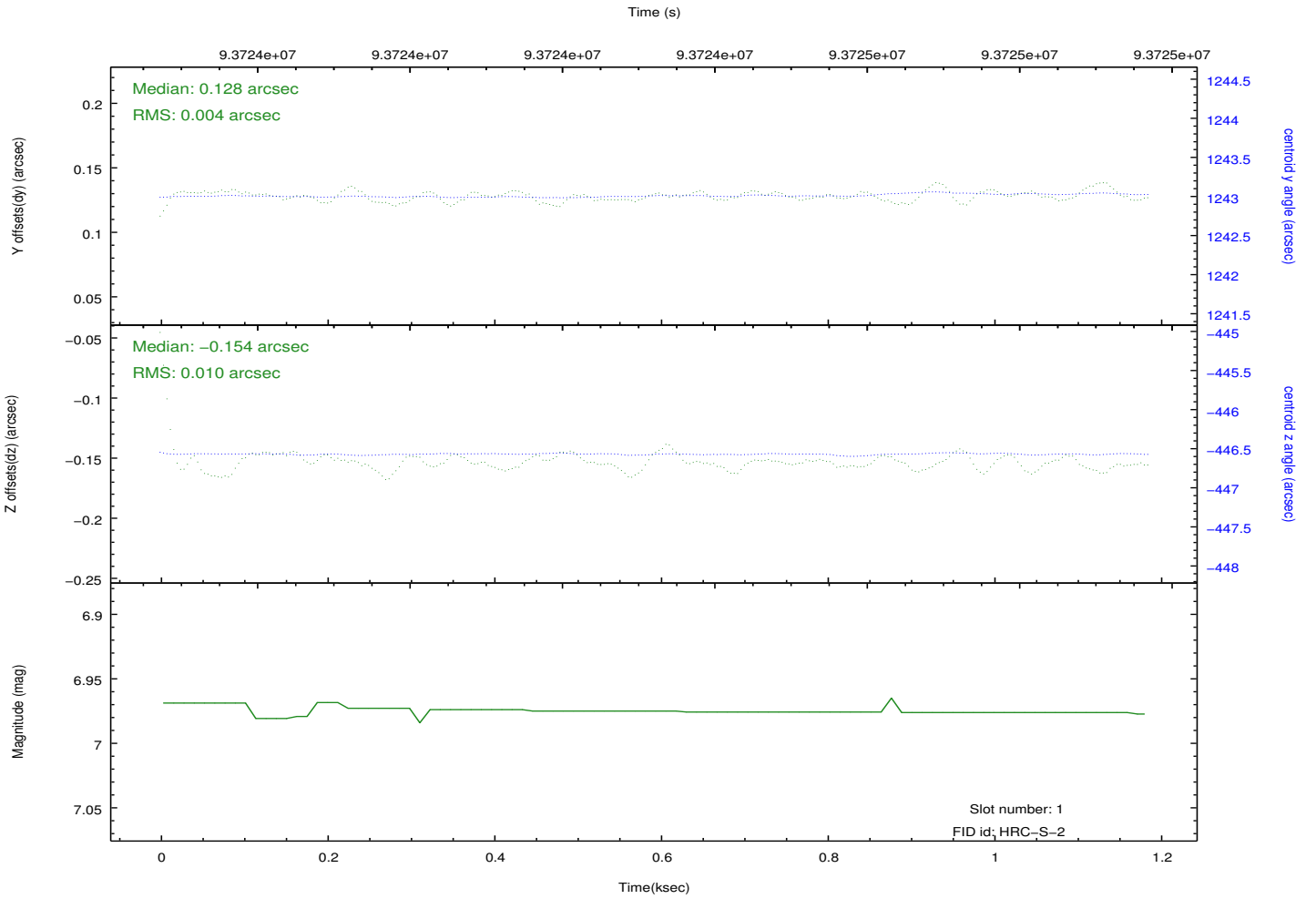
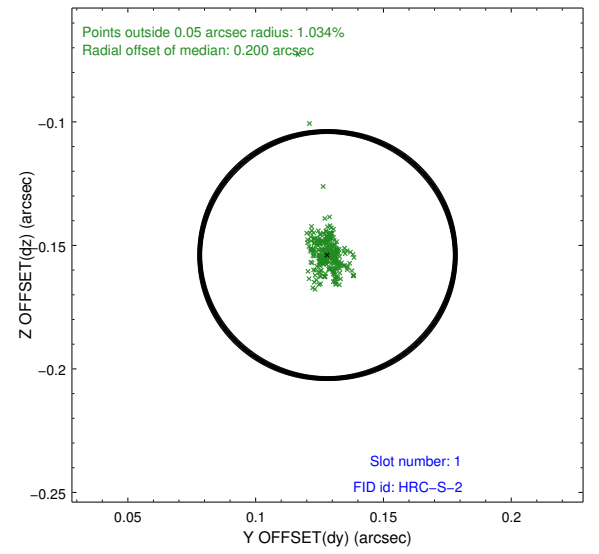
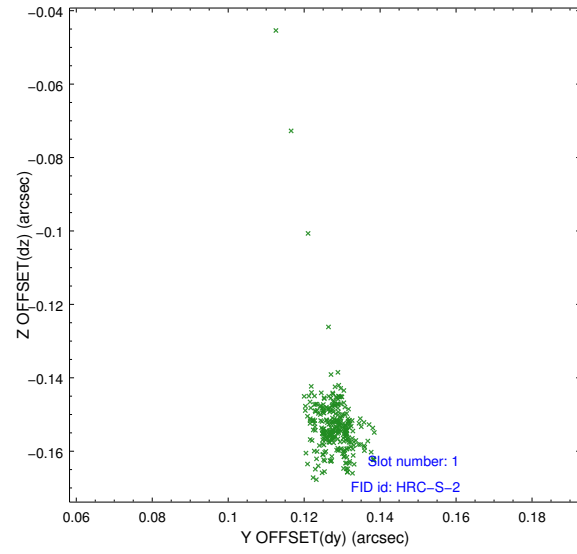


## 2.5 FID Slots

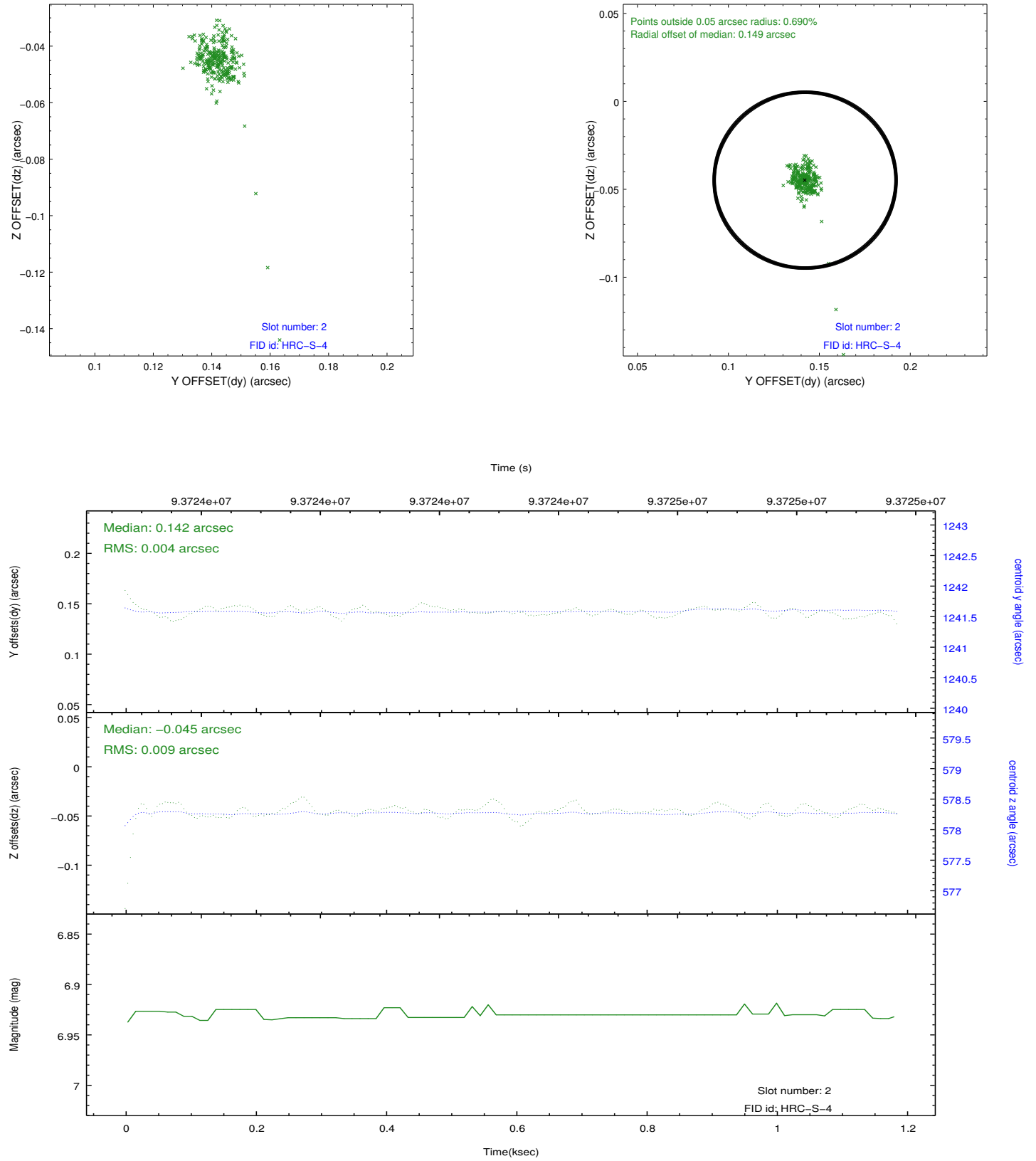
### 2.5.1 Slot 0



## 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)	2012.09.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.18

### A.2 Comments

Charge time for this ObsId remains at previous value of 1.18 ks, although with the current processing the charge time would have been 1.14 ksec.