

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 2372 - L2 Version 5  
Chandra X-Ray Center

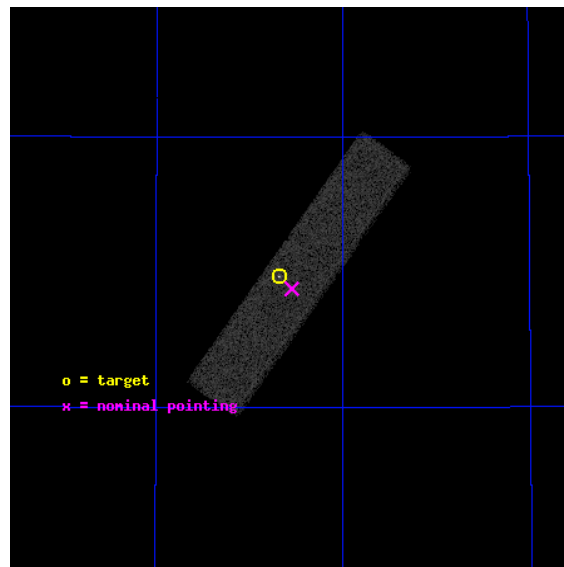
L2 Processing Date : Sep 4 2012

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# 1 Front

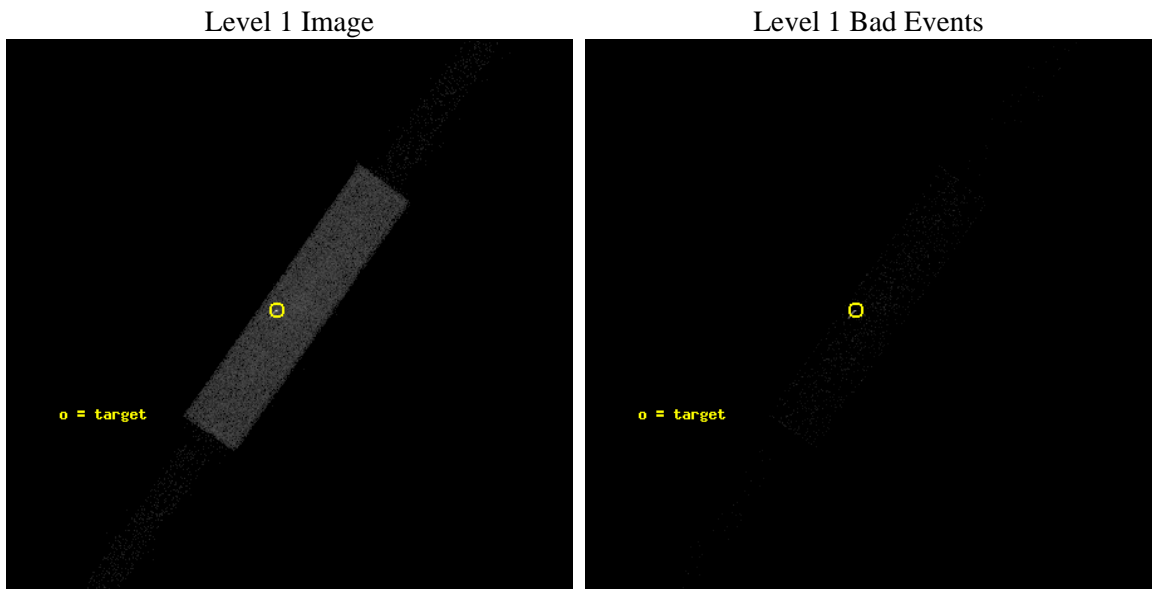
seq_num	290118	Sequence number
obs_id	2372	Observation id
title	HRC-I CALIBRATION OBSERVATIONS OF ARLAC	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC,HRC-S,AO2	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.13588217514	Nominal RA [deg]
dec_nom	45.719810917127	Nominal Dec [deg]
roll_nom	305.21984760483	Nominal Roll [deg]
revision	5	Processing version of data
ontime	1141.0812936574	[s]
livetime	1135.6065643505	Ontime multiplied by DTCOR
l2events	36992	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	1141.0812936574	[s]
caldbver	4.5.1.1	&#160	l1events	62089	Number of level 1 events
date	2012-09-05T01:27:37	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

Level 1 Events

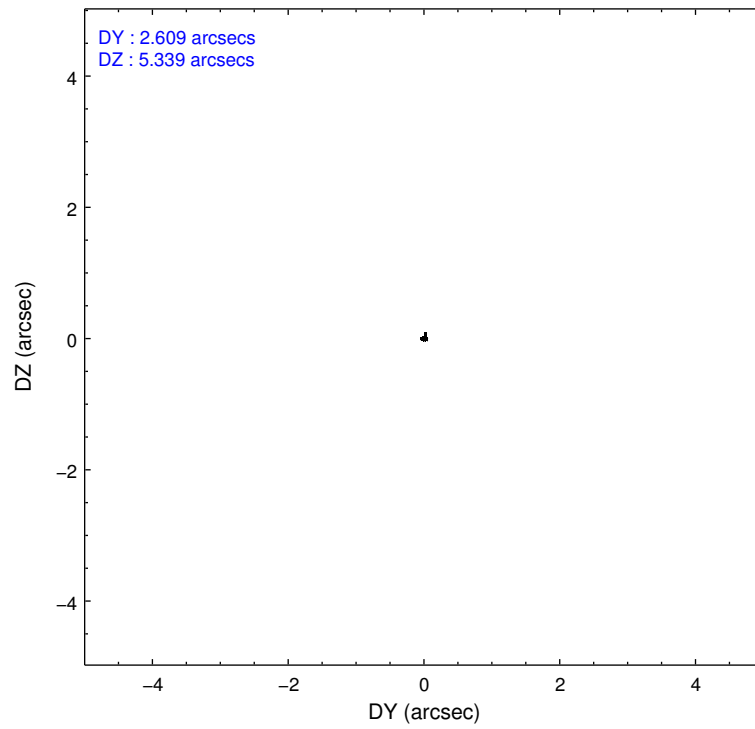
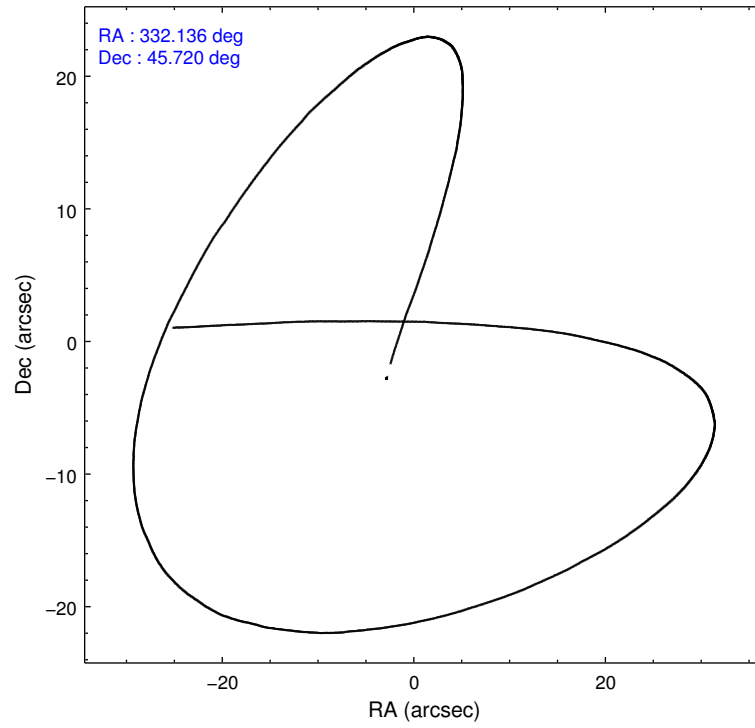
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	908	60247	934
rejected events	908	13864	934
rejected %	100%	23%	100%

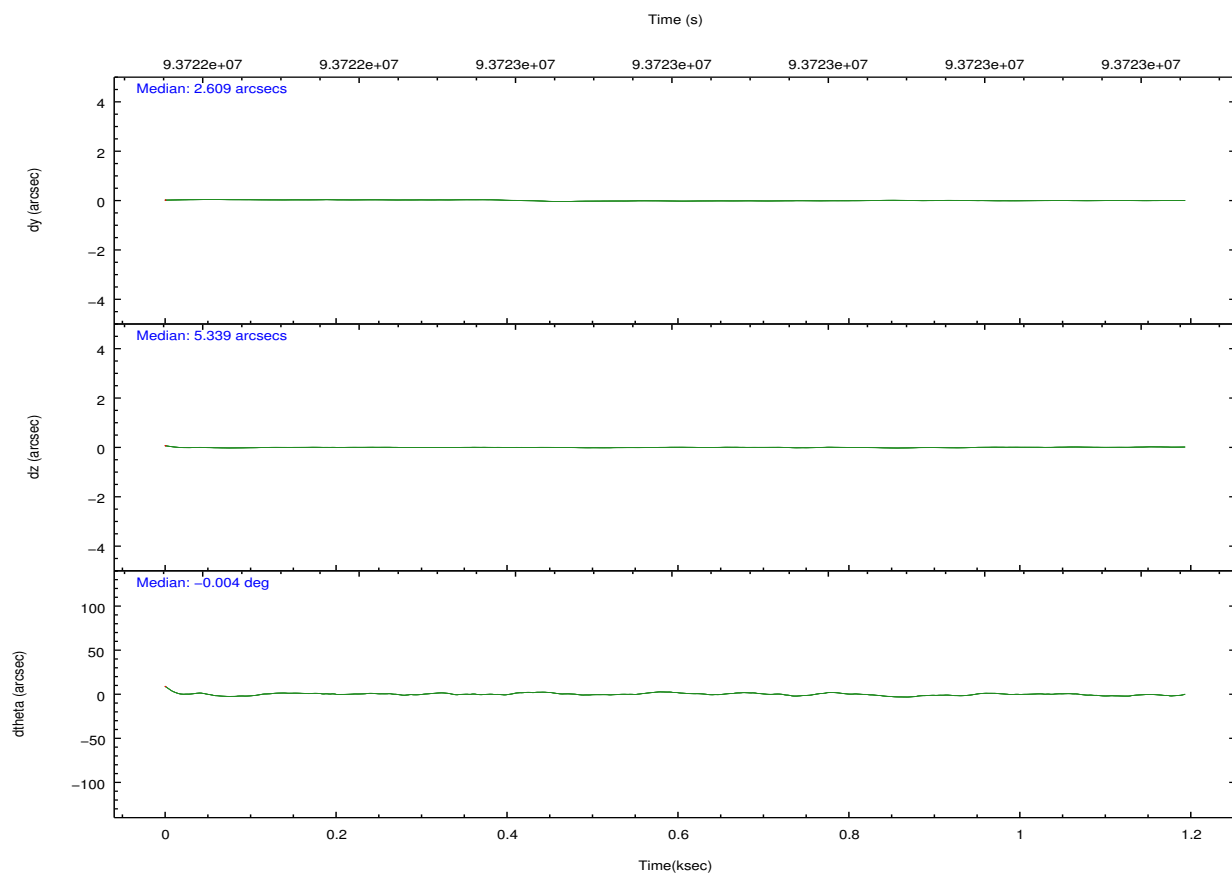
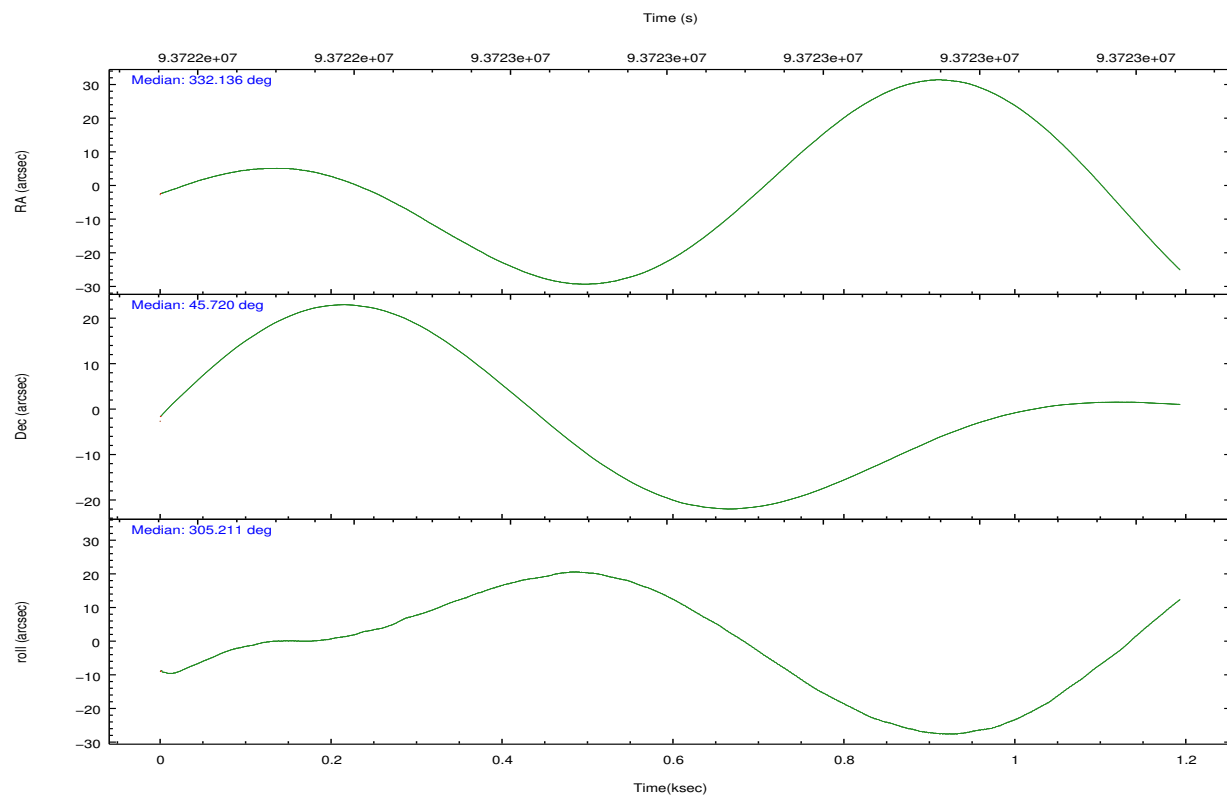
## 2.2 Compared Parameters

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	332.096653	332.1358821751367
[deg] Pointing Dec	45.729893	45.71981091712716
[deg] Pointing Roll	305.180616	305.2198476048285
[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)	93722402.184000	93722025.726547
Observation start date	2000-12-20T17:58:58	2000-12-20T17:53:45
[s] Observation end time (MET)	93723402.184000	93723536.064105
Observation end date	2000-12-20T18:15:38	2000-12-20T18:18:56

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

## 2.3 Aspect





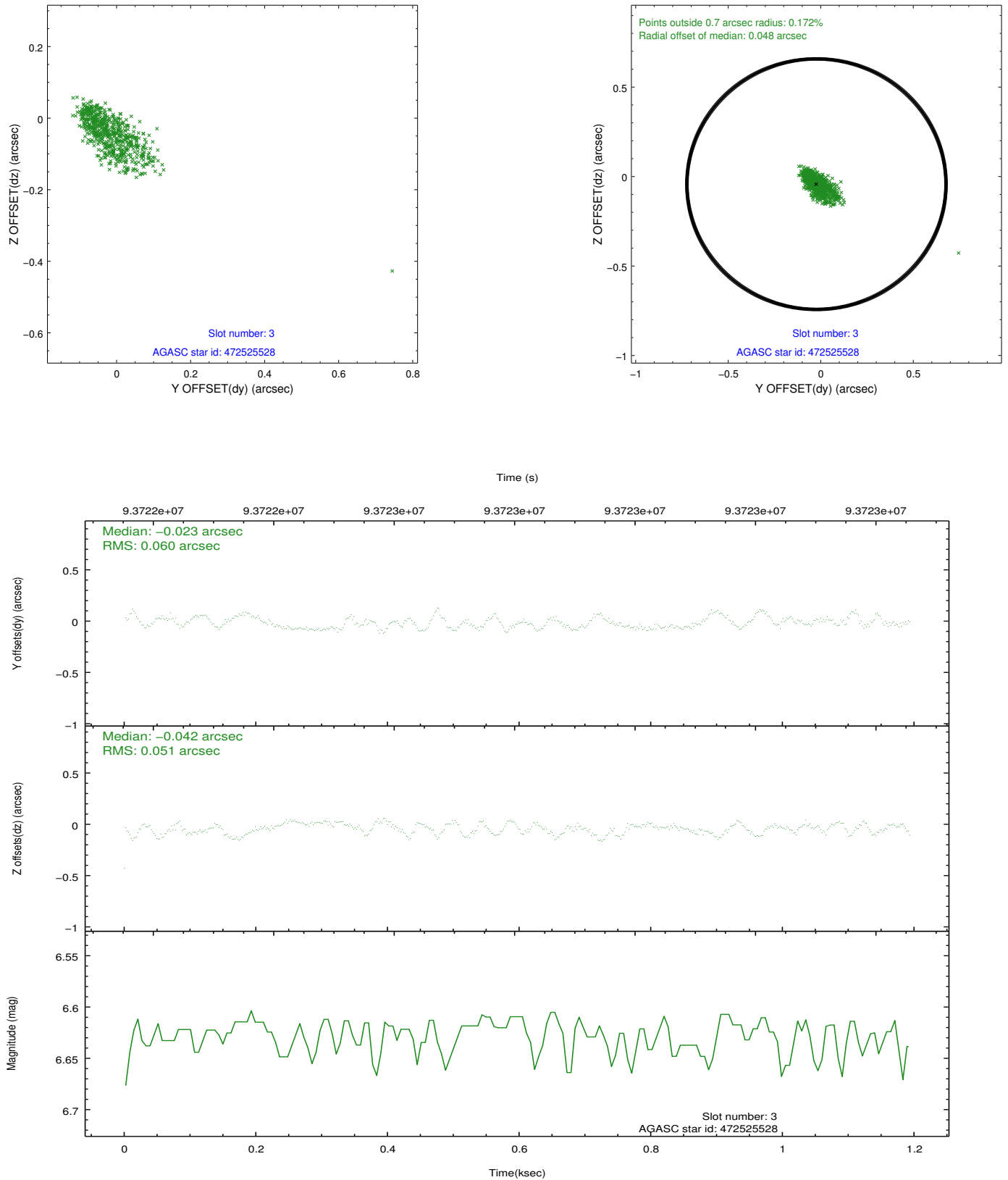
### Slot Statistics

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	292	0.111	-0.158	0.007	0.011	0.000000	0.000000	-1156.66	-453.89
1	FID	HRC-S-3	6.99	292	0.152	-0.047	0.008	0.014	0.000000	0.000000	-1163.32	574.20
2	FID	HRC-S-4	6.93	292	0.126	-0.092	0.004	0.009	0.000000	0.000000	1237.61	580.27
3	GUIDE	472525528	6.63	583	-0.023	-0.042	0.074	0.129	331.551102	45.248694	616.23	-2130.38
4	GUIDE	472523760	8.23	583	-0.062	-0.193	0.059	0.093	331.645363	45.403260	303.01	-1616.69
5	GUIDE	472659832	9.48	583	-0.049	-0.014	0.099	0.161	332.780399	46.098139	-105.51	2155.37
6	GUIDE	472655152	9.43	581	0.006	0.088	0.088	0.137	332.504239	45.862991	195.11	1111.61
7	GUIDE	472646552	9.63	582	0.126	0.165	0.098	0.159	333.120915	45.571877	1939.27	1788.93

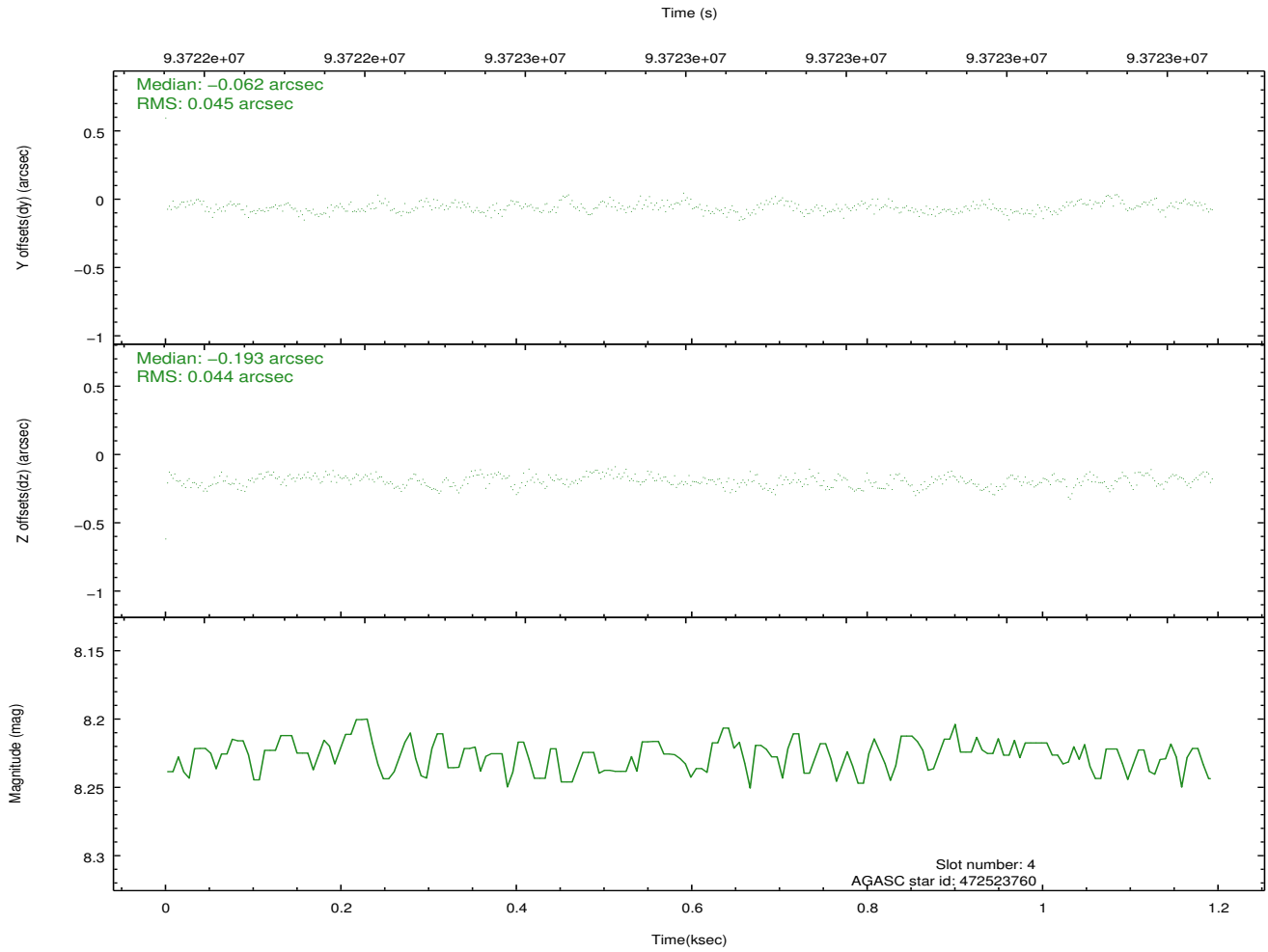
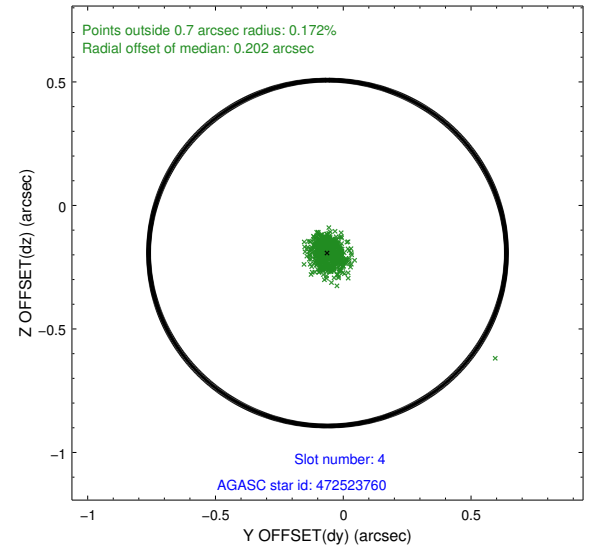
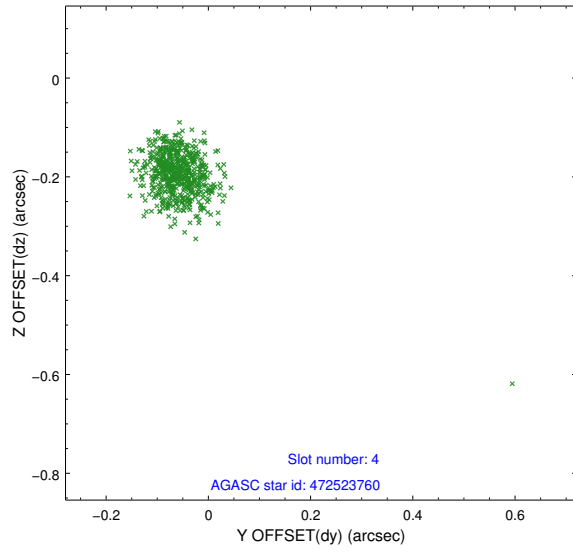


## 2.4 Star Slots

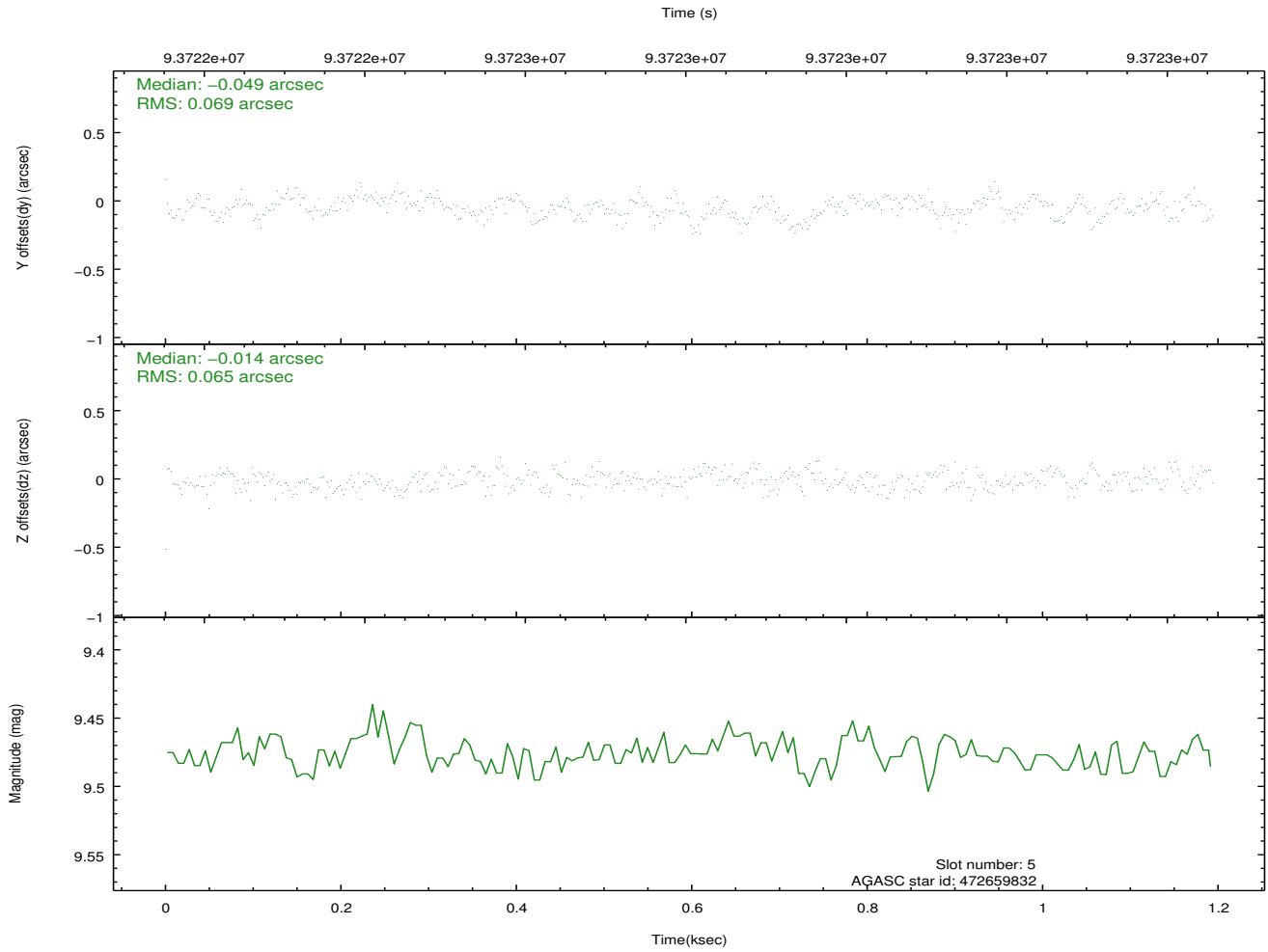
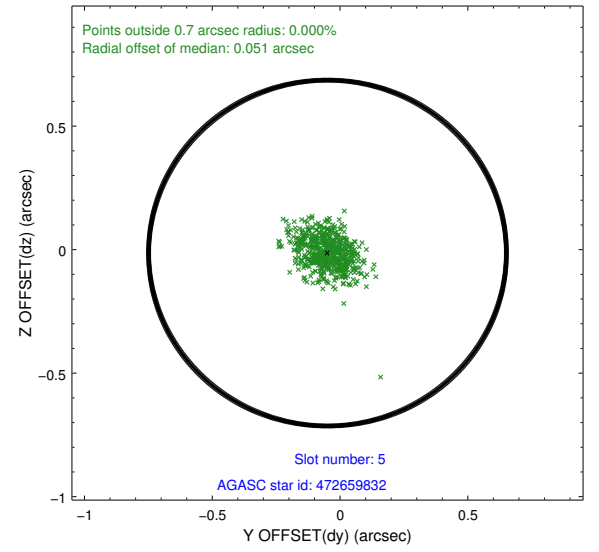
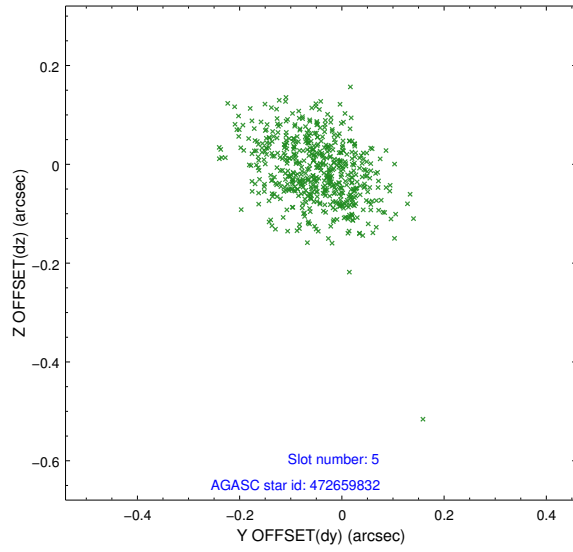
### 2.4.1 Slot 3



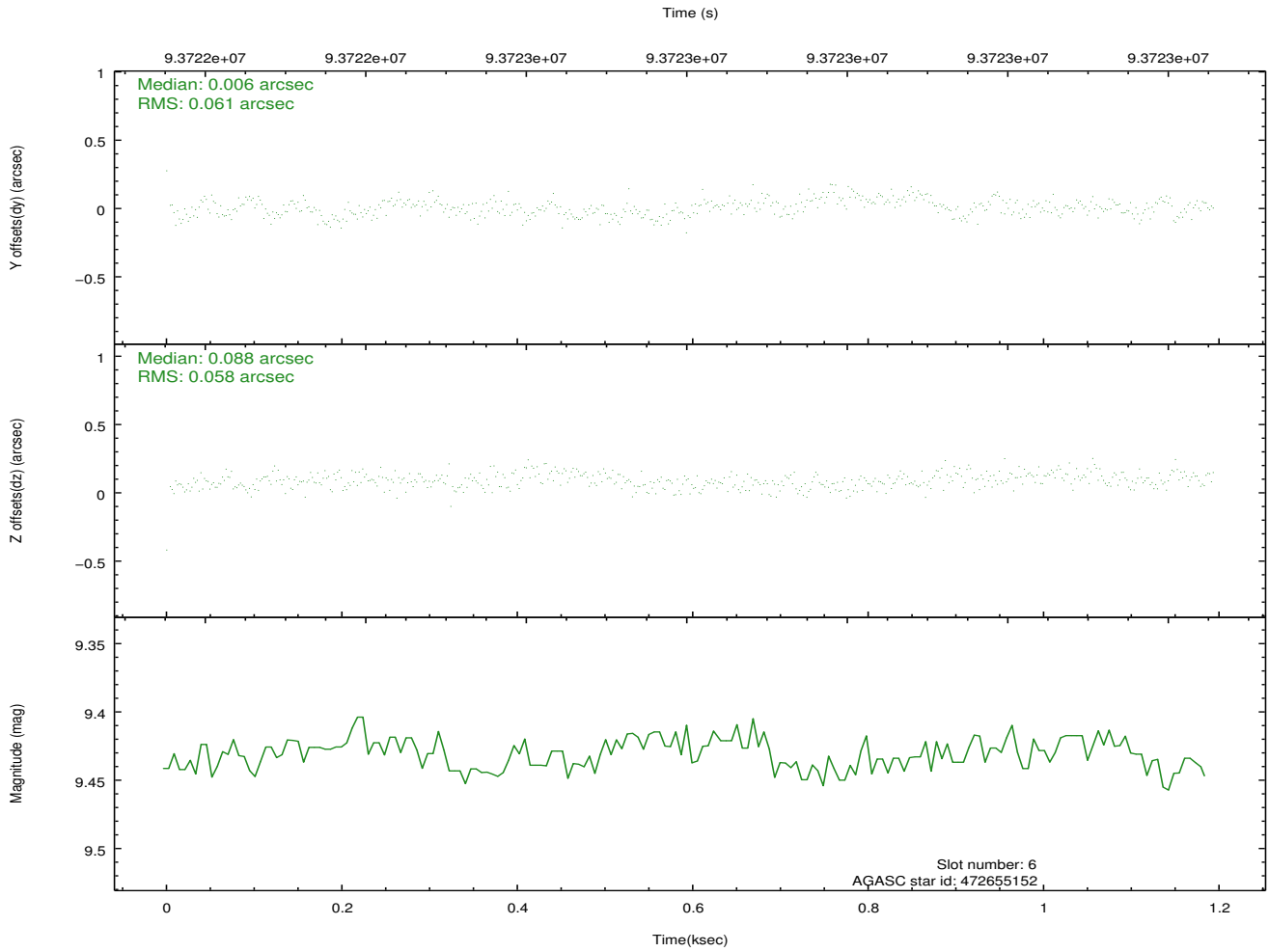
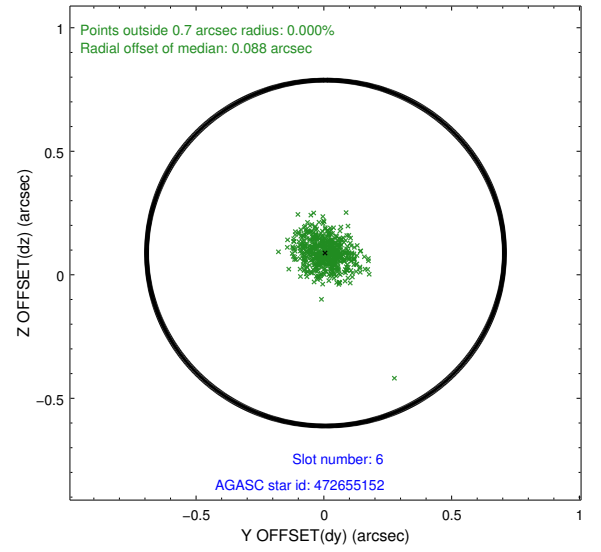
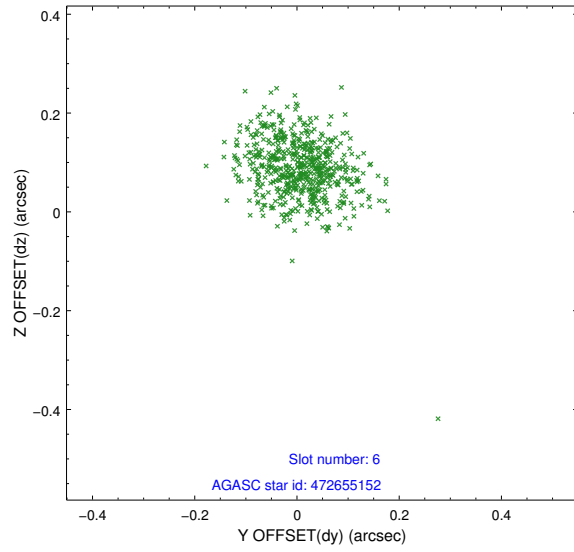
## 2.4.2 Slot 4



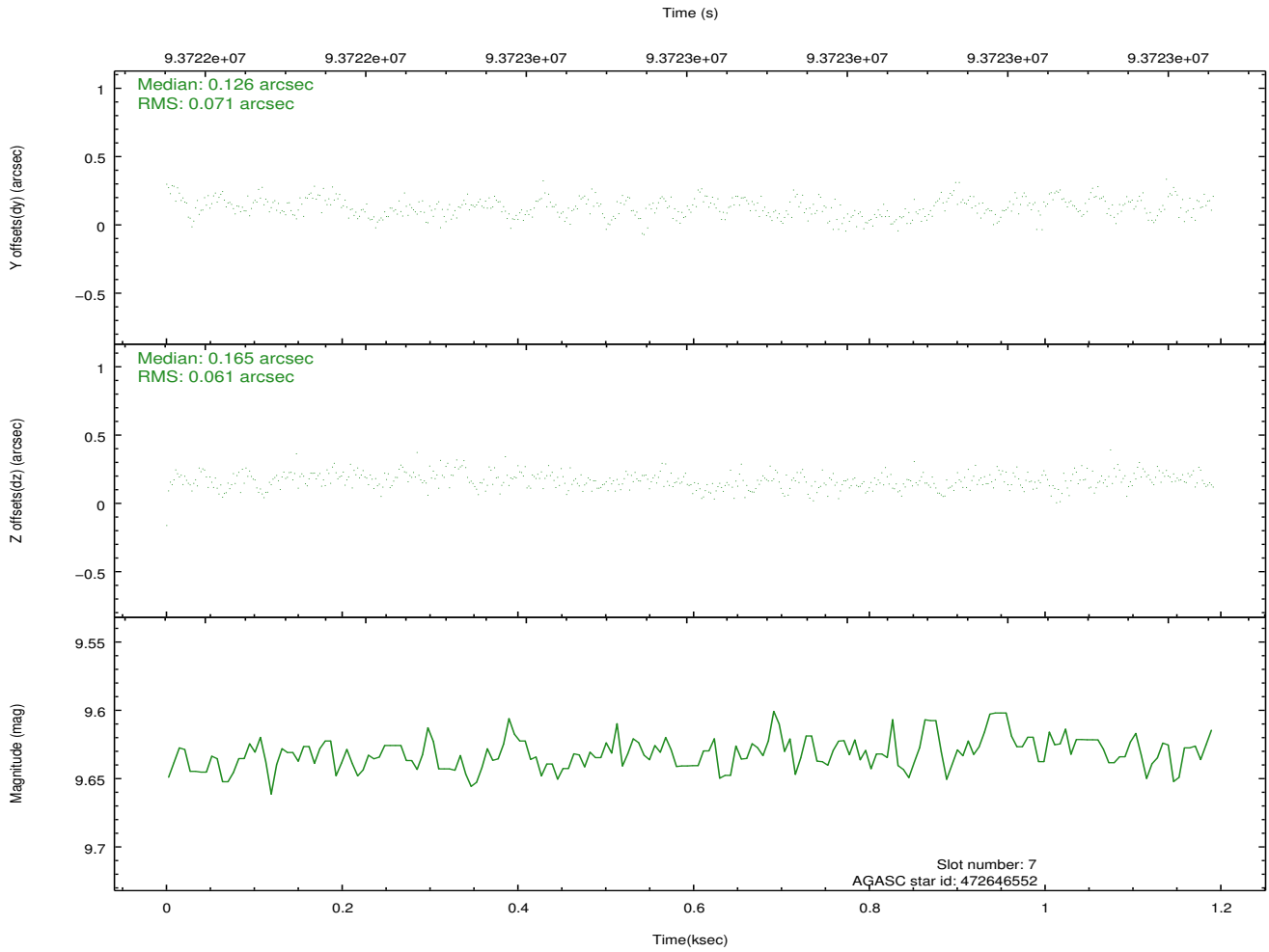
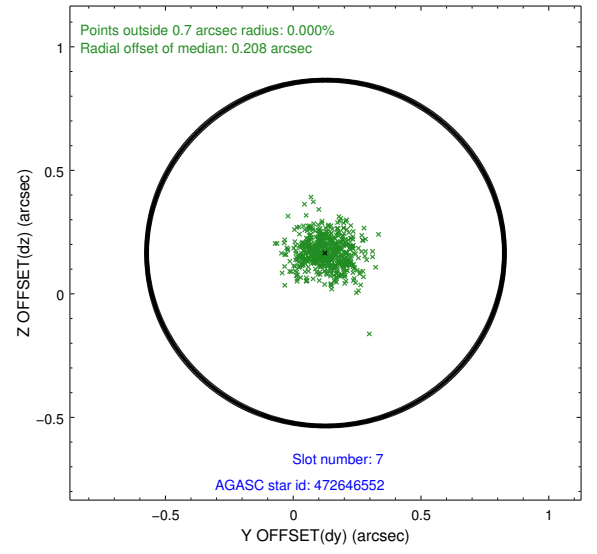
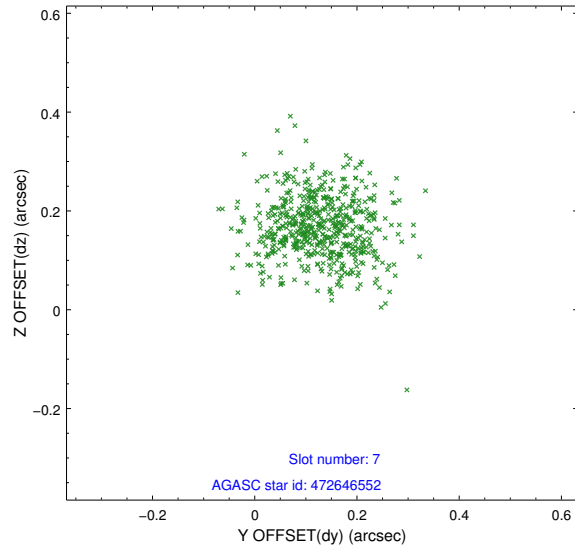
### 2.4.3 Slot 5



## 2.4.4 Slot 6

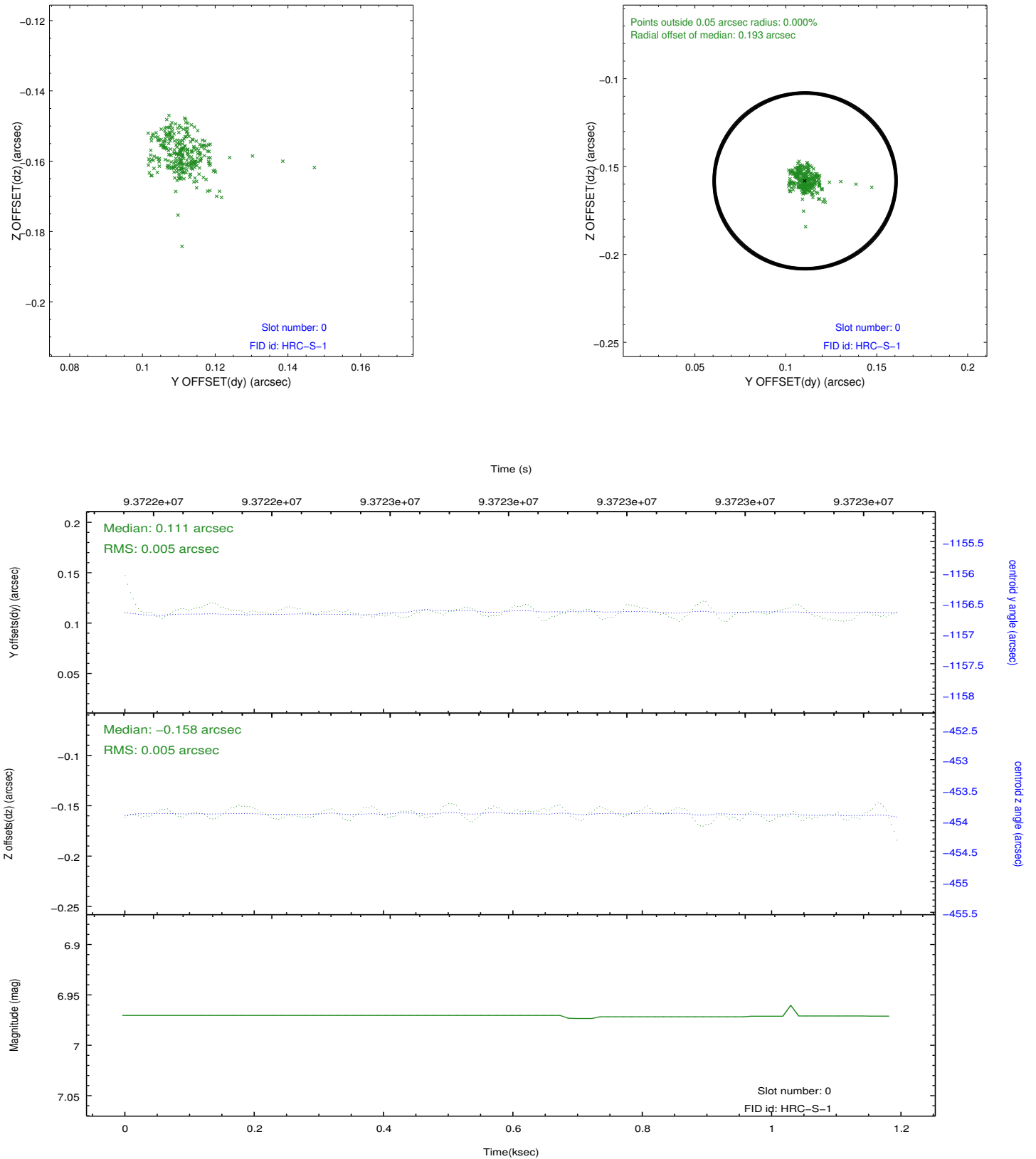


## 2.4.5 Slot 7

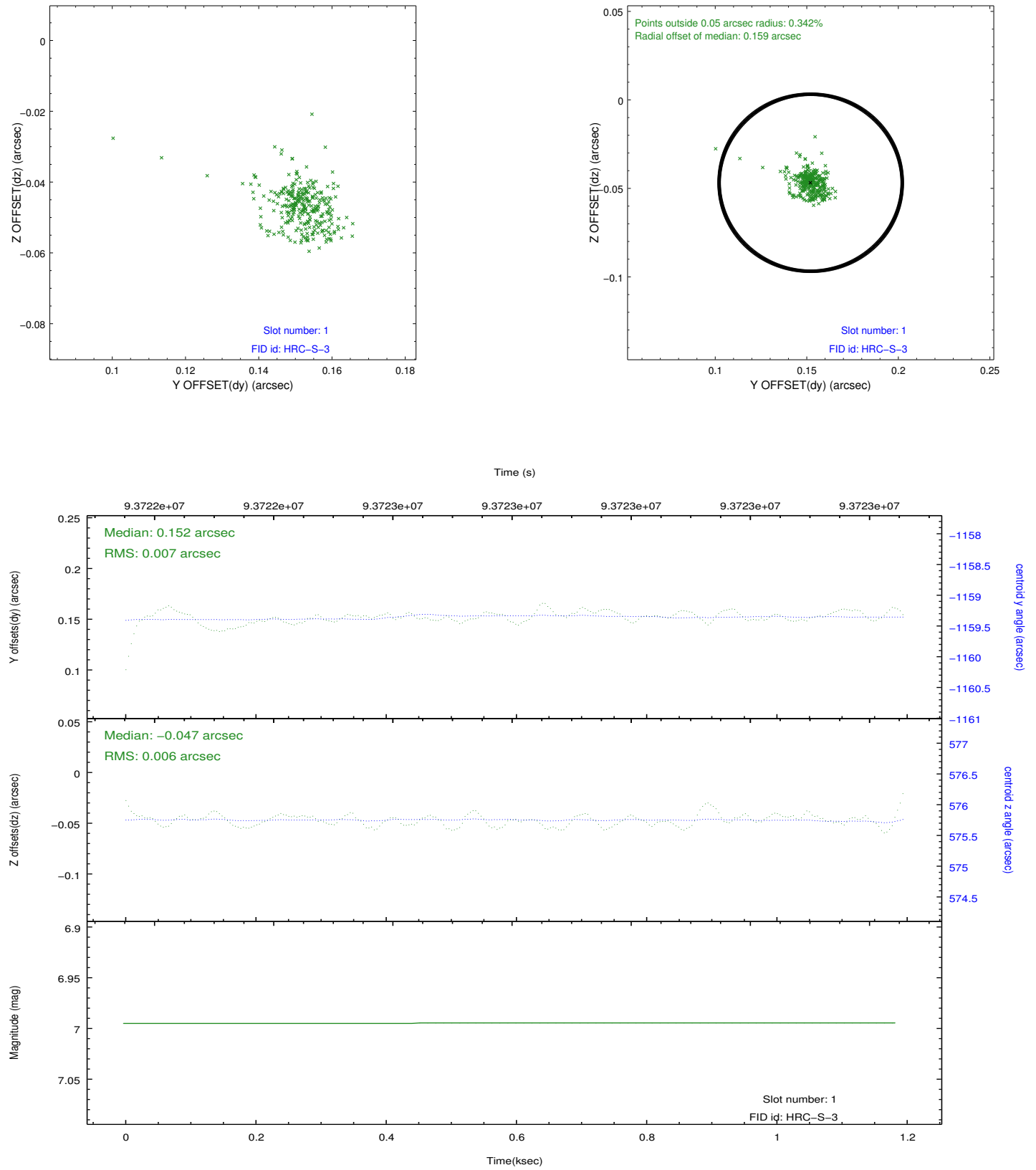


## 2.5 FID Slots

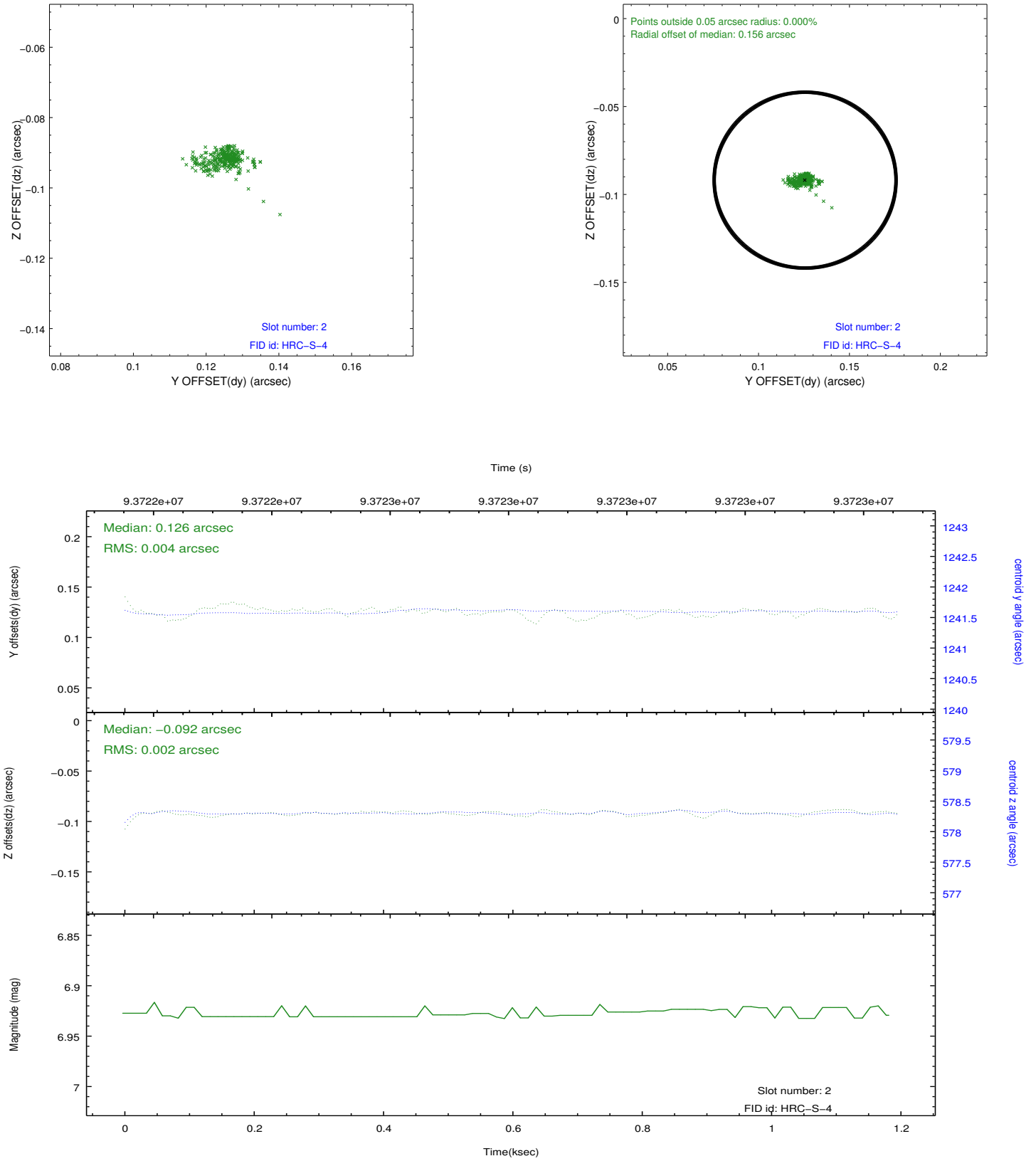
### 2.5.1 Slot 0



## 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)	2012.09.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.19

## A.2 Comments

Charge time for this ObsId remains at original value of 1.19 ks, although with the current processing the charge time would have been 1.14 ksec.