

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 2642 - L2 Version 3  
Chandra X-Ray Center

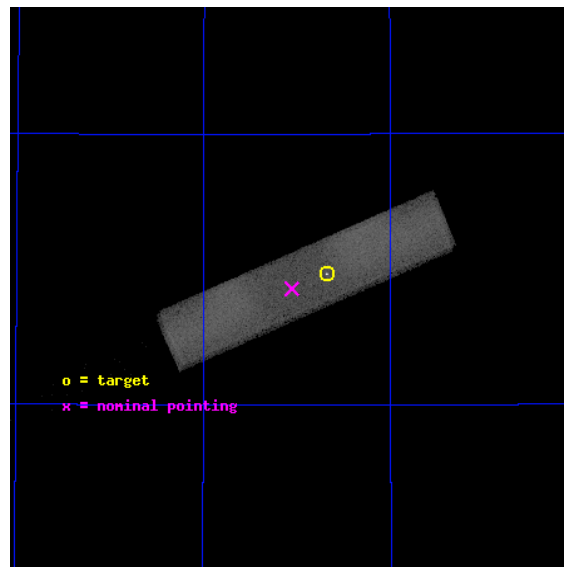
L2 Processing Date : Oct 1 2012

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# 1 Front

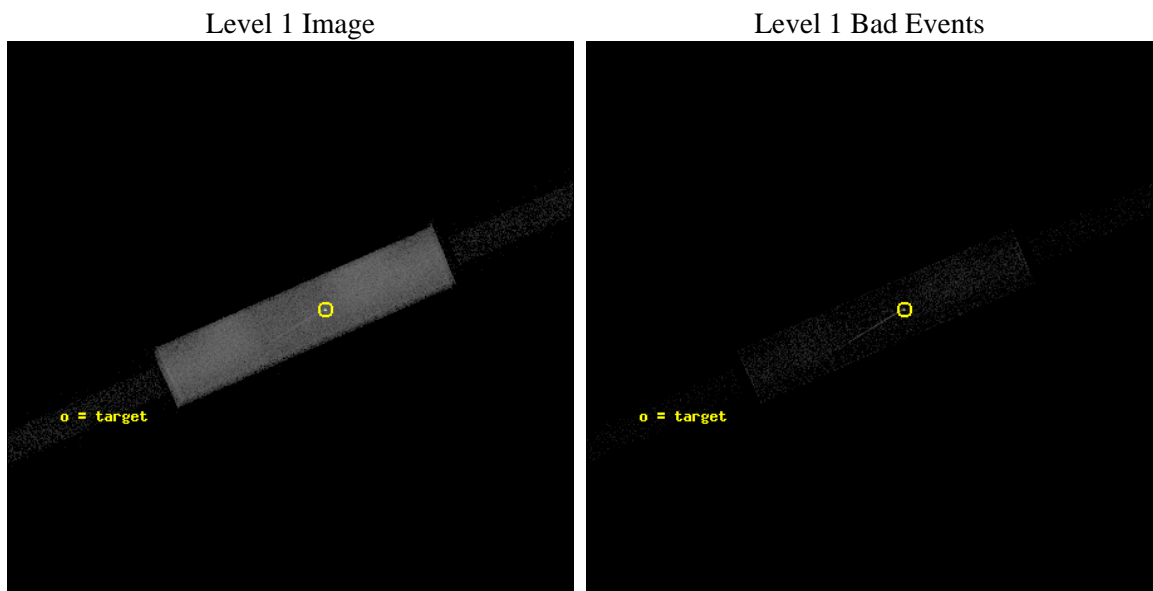
seq_num	290198	Sequence number
obs_id	2642	Observation id
title	AO3A HRC-S CALIBRATION OBSERVATION: MINI-SCAN OF ARLAC	Proposal ti
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.26356413185	Nominal RA [deg]
dec_nom	45.714757308934	Nominal Dec [deg]
roll_nom	336.36407222315	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1143.1312960833	[s]
livetime	1126.8057123864	Ontime multiplied by DTCOR
l2events	120495	Number of level 2 events



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	1	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1143.1312960833	[s]
caldsver	4.5.2	&#160	l1events	169171	Number of level 1 events
date	2012-10-01T03:03:31	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

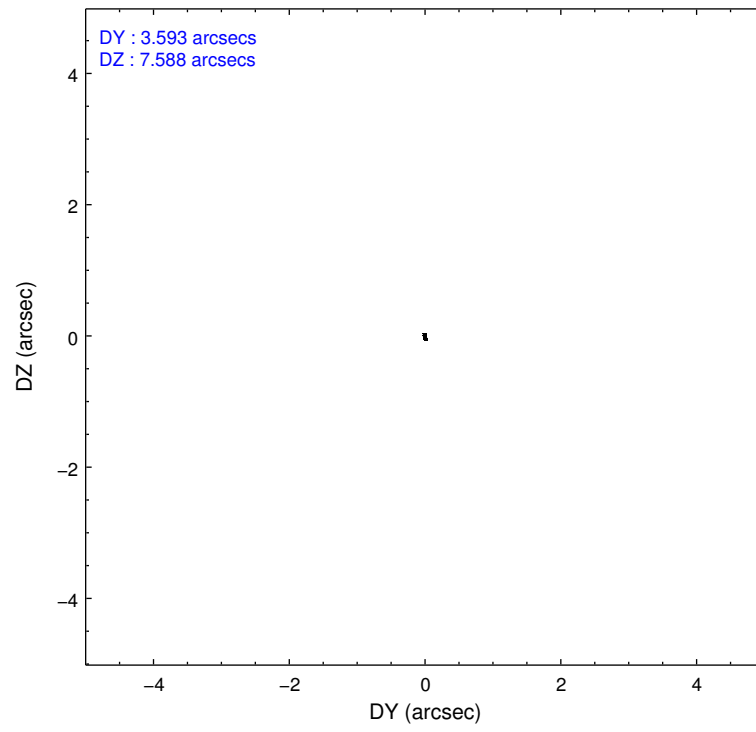
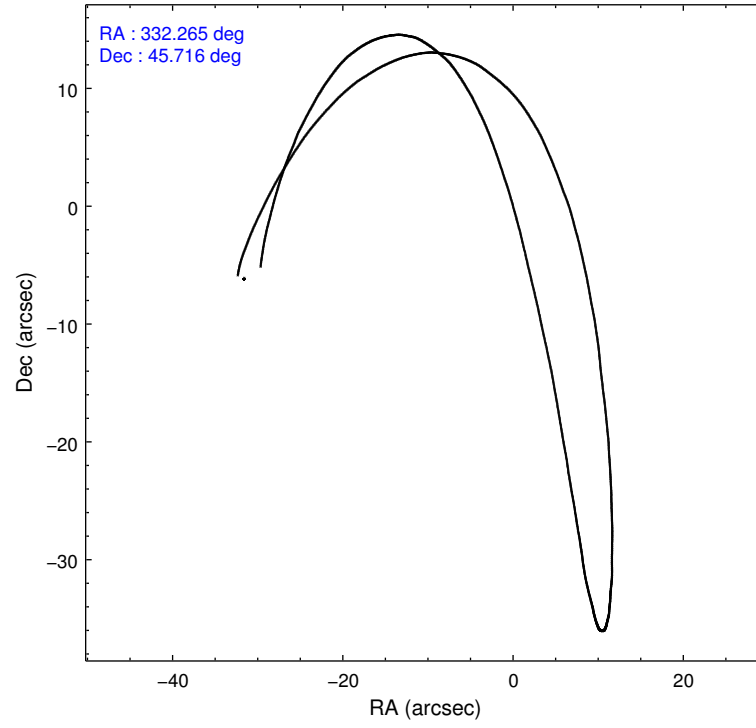
Level 1 Events

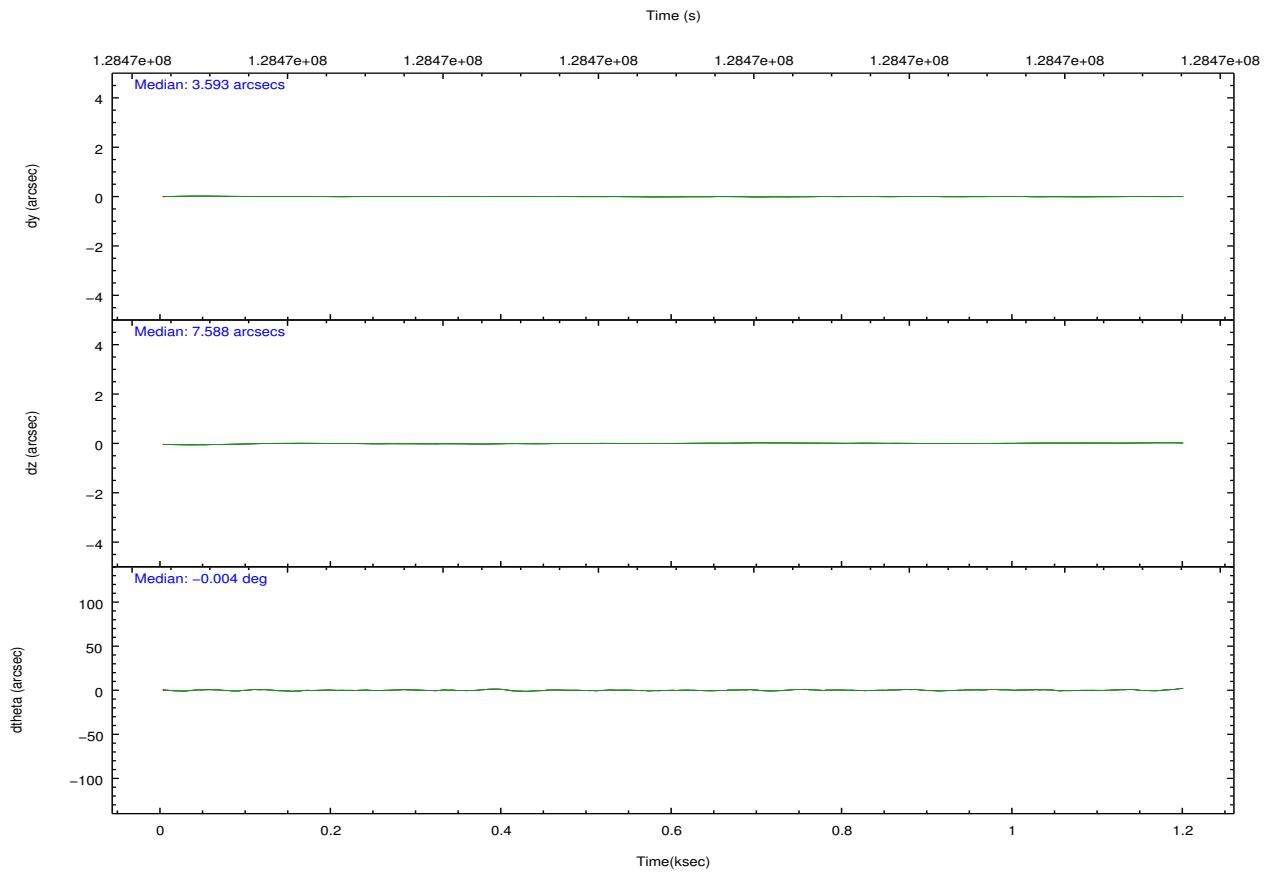
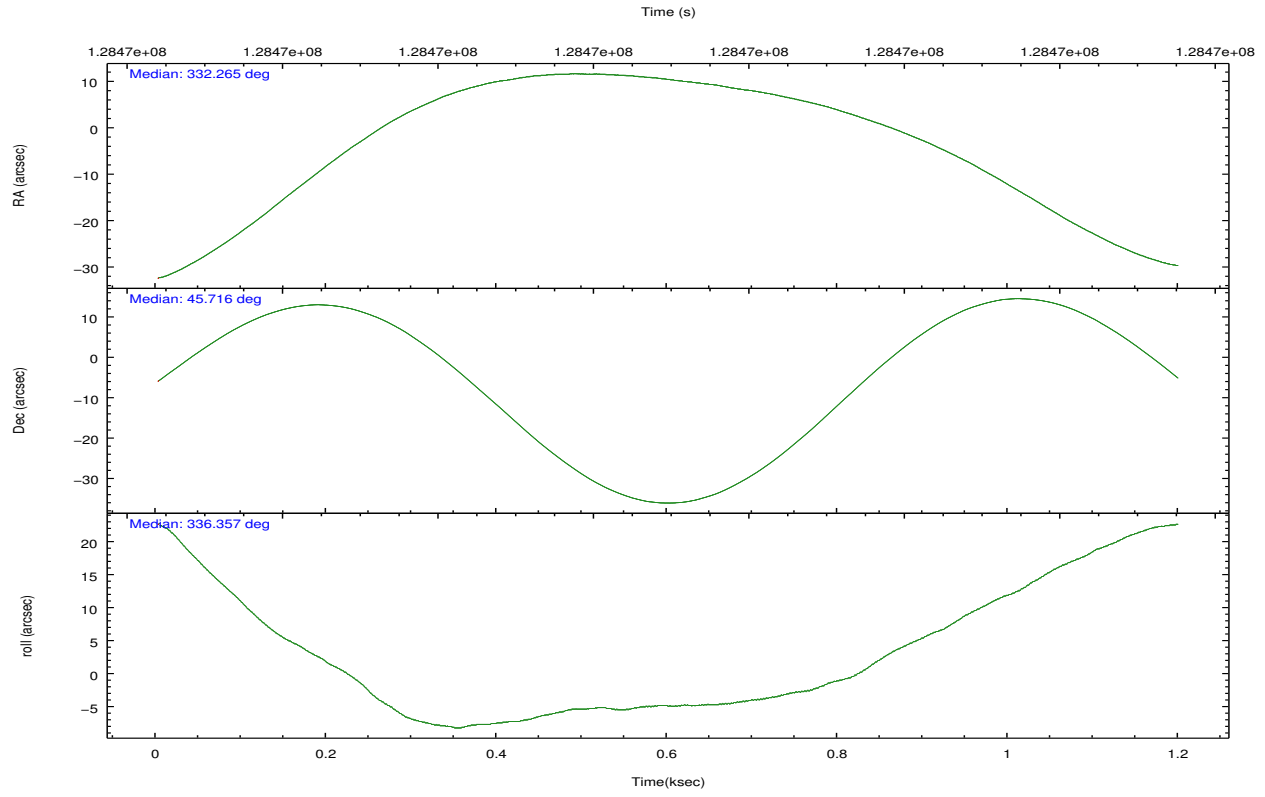
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	3411	162792	2968
rejected events	3411	31582	2929
rejected %	100%	19%	98%

## 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	332.223104	332.2635641318461			
[deg] Pointing Dec	45.708963	45.71475730893386			
[deg] Pointing Roll	336.325722	336.3640722231473			
[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)	128467697.184000	128467321.28933			
Observation start date	2002-01-26T21:27:13	2002-01-26T21:22:01			
[s] Observation end time (MET)	128468697.184000	128468831.11439			
Observation end date	2002-01-26T21:43:53	2002-01-26T21:47:11			

## 2.3 Aspect





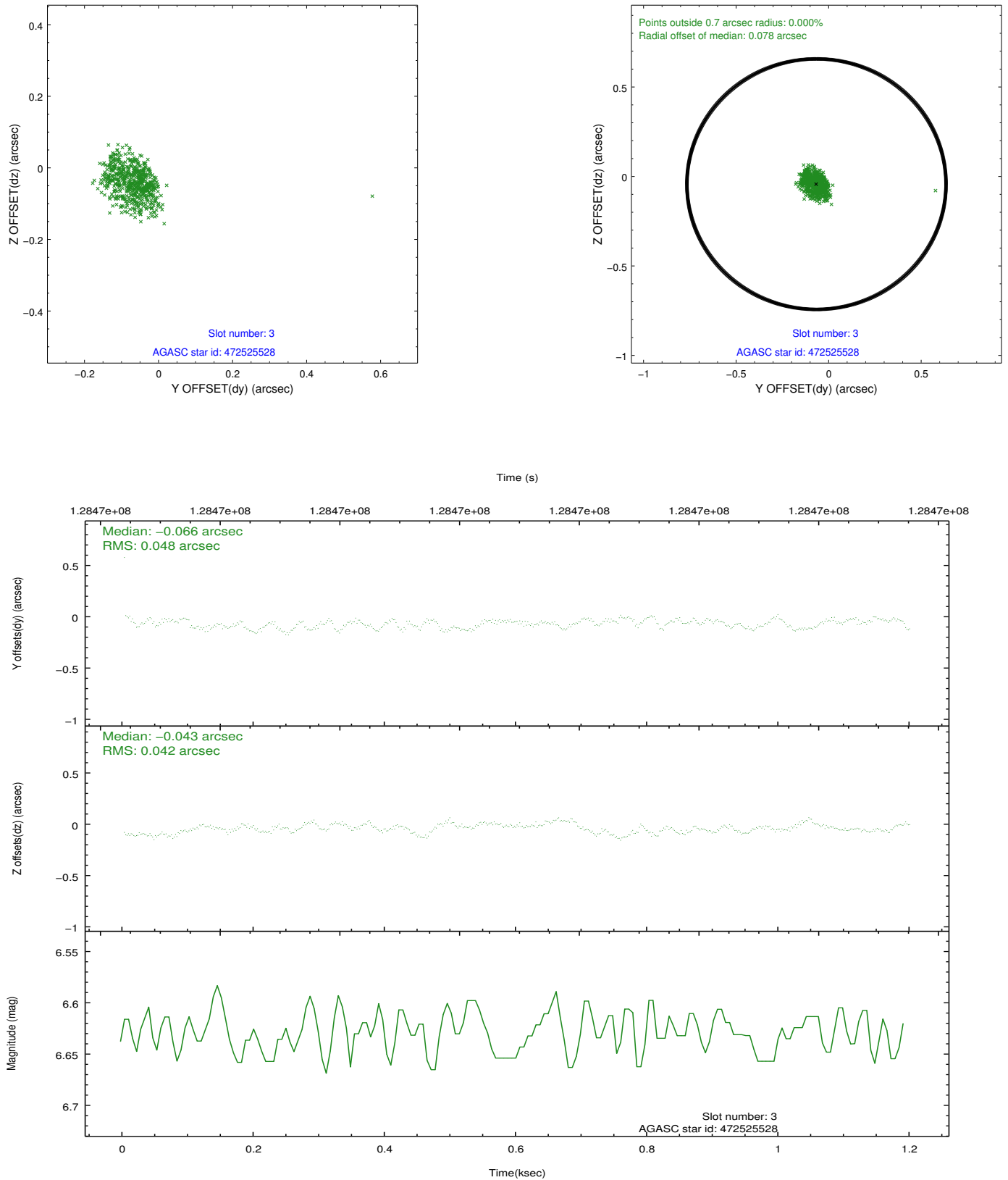
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.98	293	0.155	-0.082	0.006	0.010	0.000000	0.000000	-1157.62	-456.12
1	FID	HRC-S-2	6.99	293	0.076	-0.088	0.004	0.007	0.000000	0.000000	1238.03	-450.30
2	FID	HRC-S-3	7.01	293	0.159	-0.132	0.006	0.010	0.000000	0.000000	-1156.12	571.82
3	GUIDE	472525528	6.63	585	-0.066	-0.043	0.063	0.097	331.551102	45.248694	-895.70	-2199.62
4	GUIDE	472523760	8.23	585	-0.095	-0.131	0.068	0.102	331.645363	45.403260	-897.53	-1598.06
5	GUIDE	472659832	9.46	585	-0.036	0.084	0.124	0.227	332.780399	46.098139	709.43	1839.00
6	GUIDE	472655152	9.43	583	0.022	0.063	0.103	0.185	332.504239	45.862991	425.08	790.65
7	GUIDE	472646552	9.65	584	0.183	0.044	0.105	0.170	333.120915	45.571877	2267.56	465.14

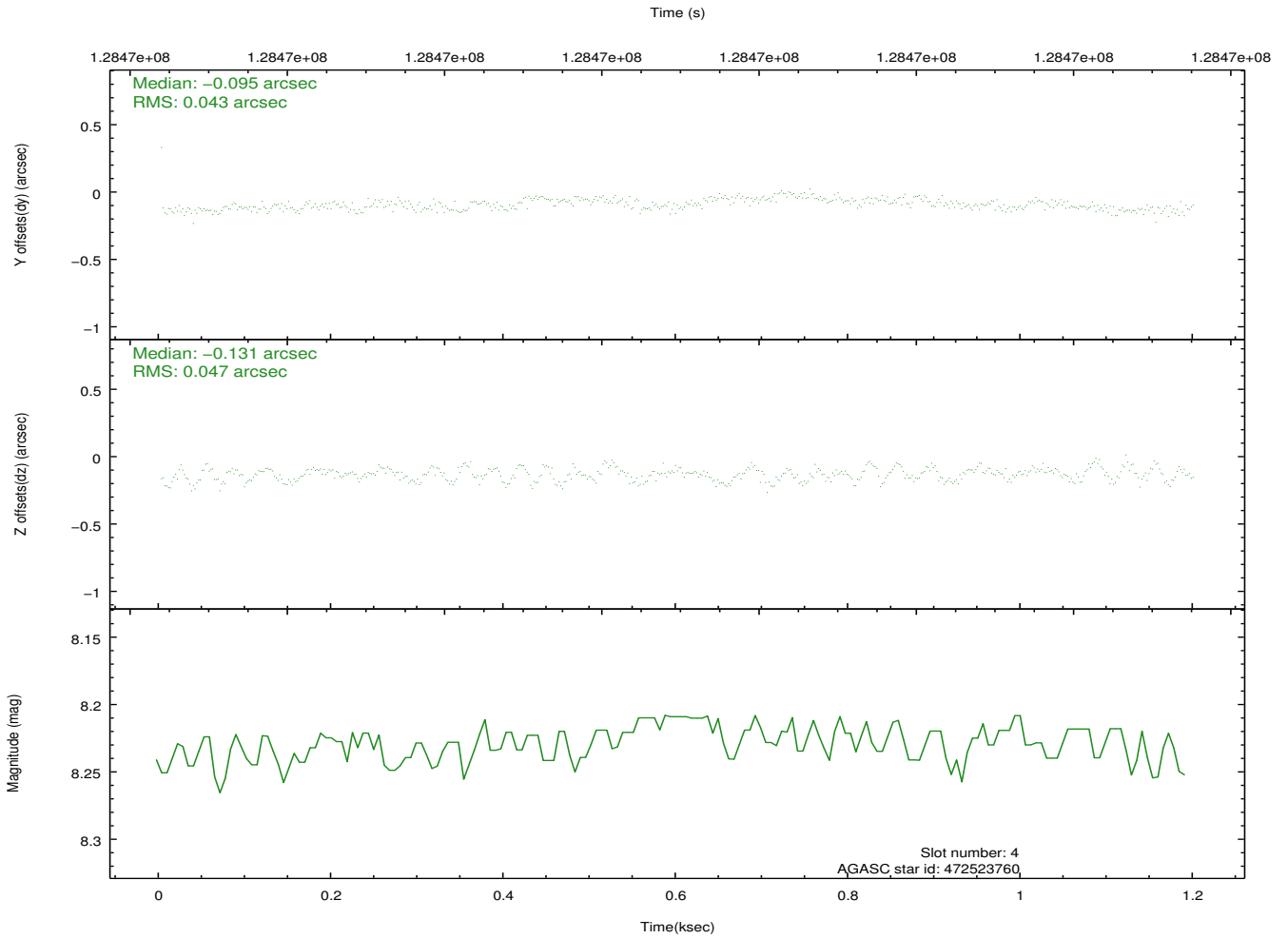
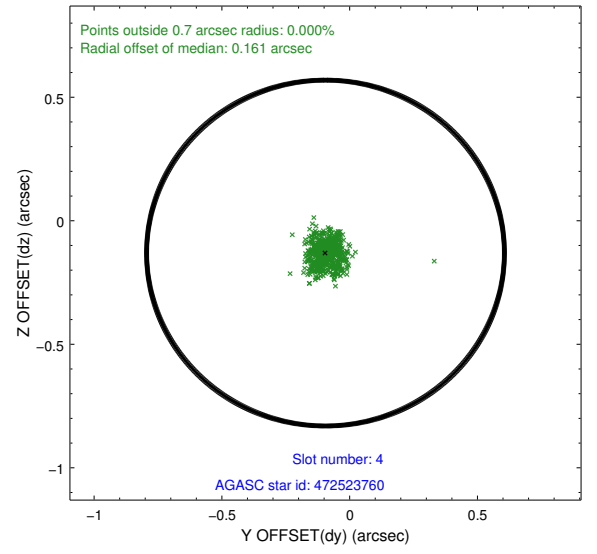
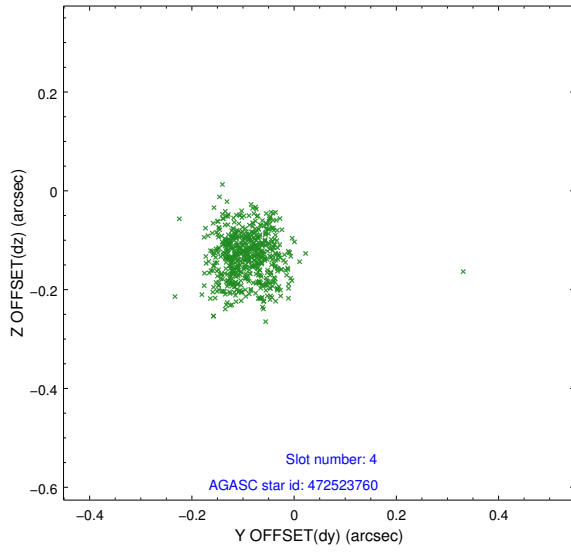


## 2.4 Star Slots

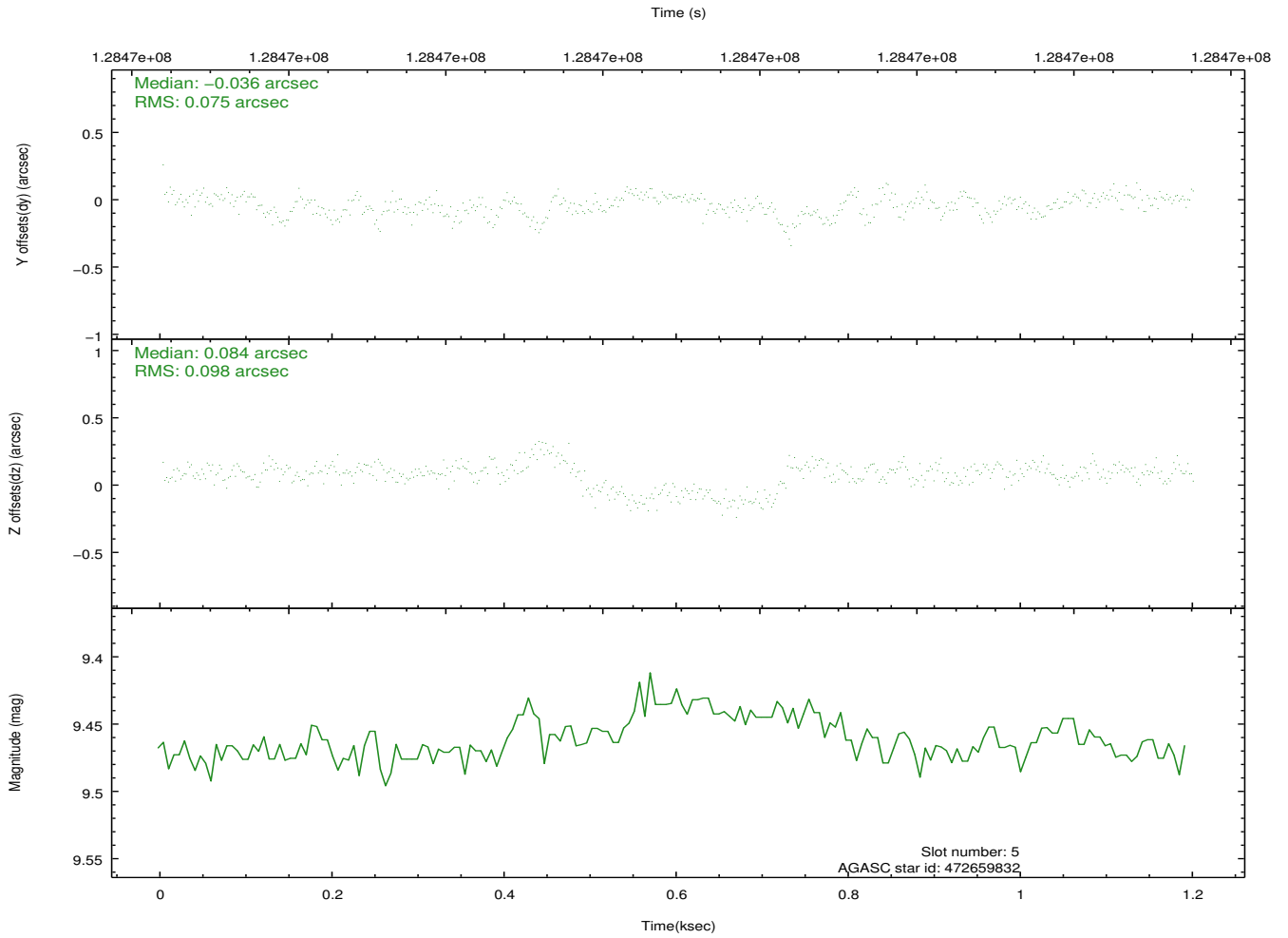
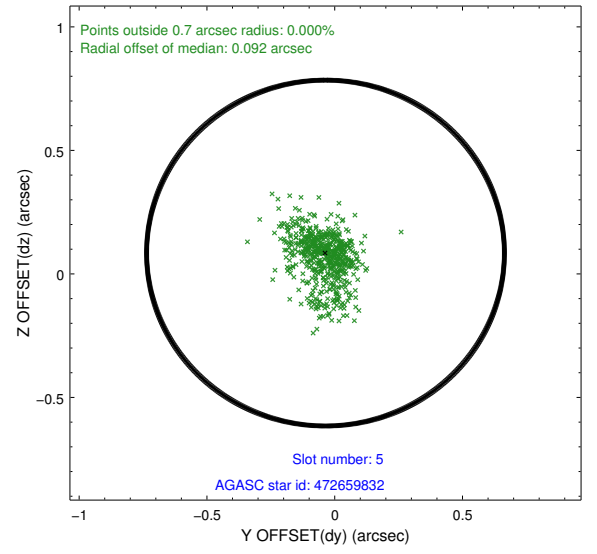
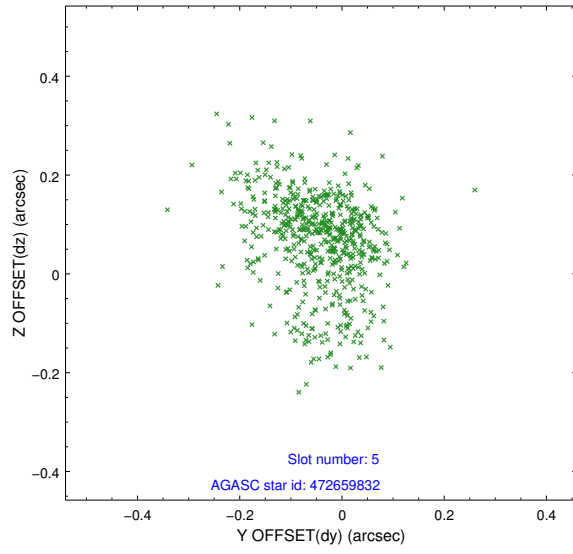
### 2.4.1 Slot 3



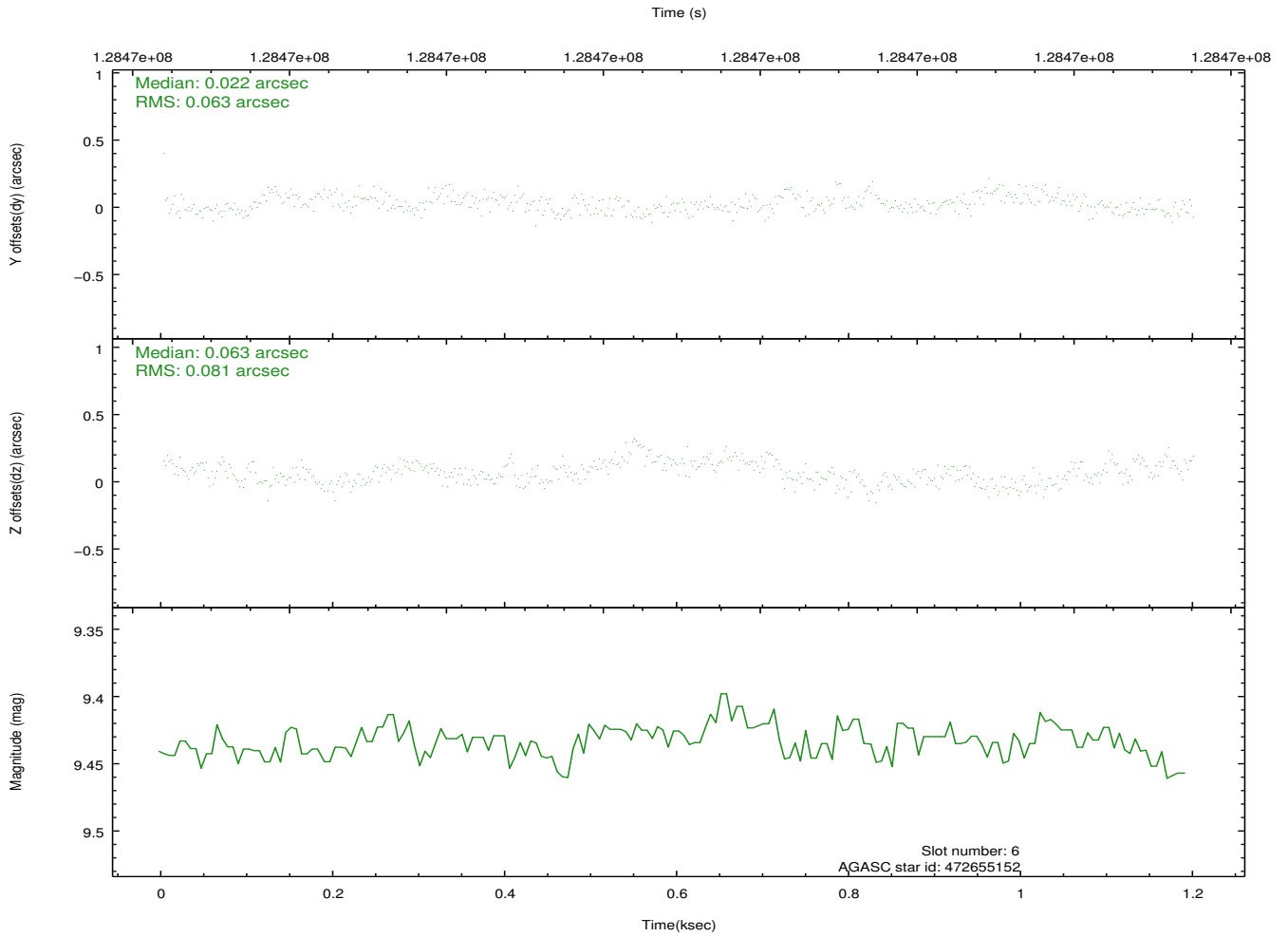
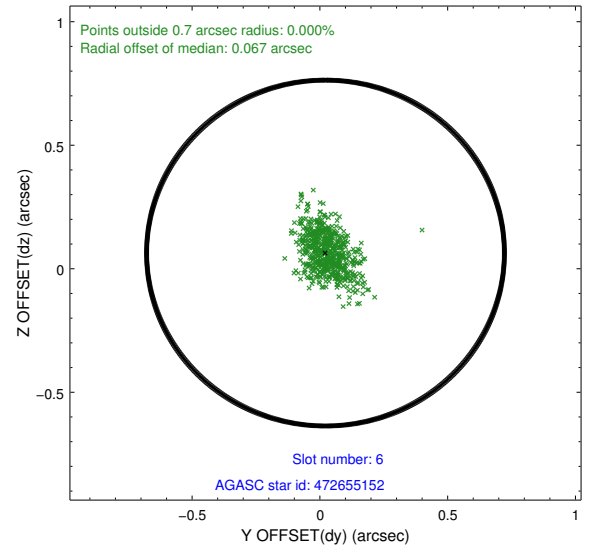
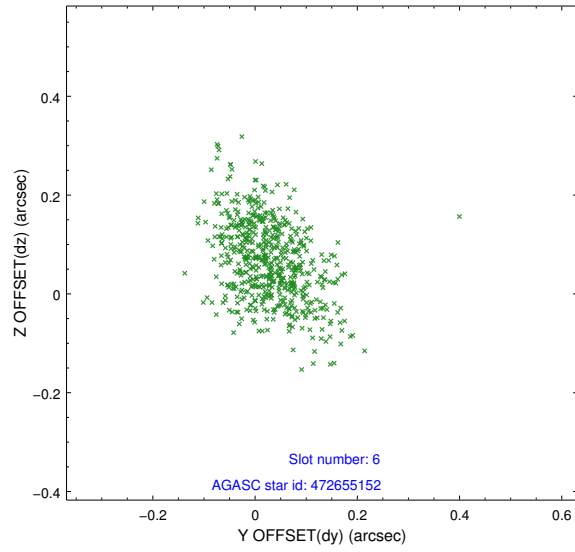
## 2.4.2 Slot 4



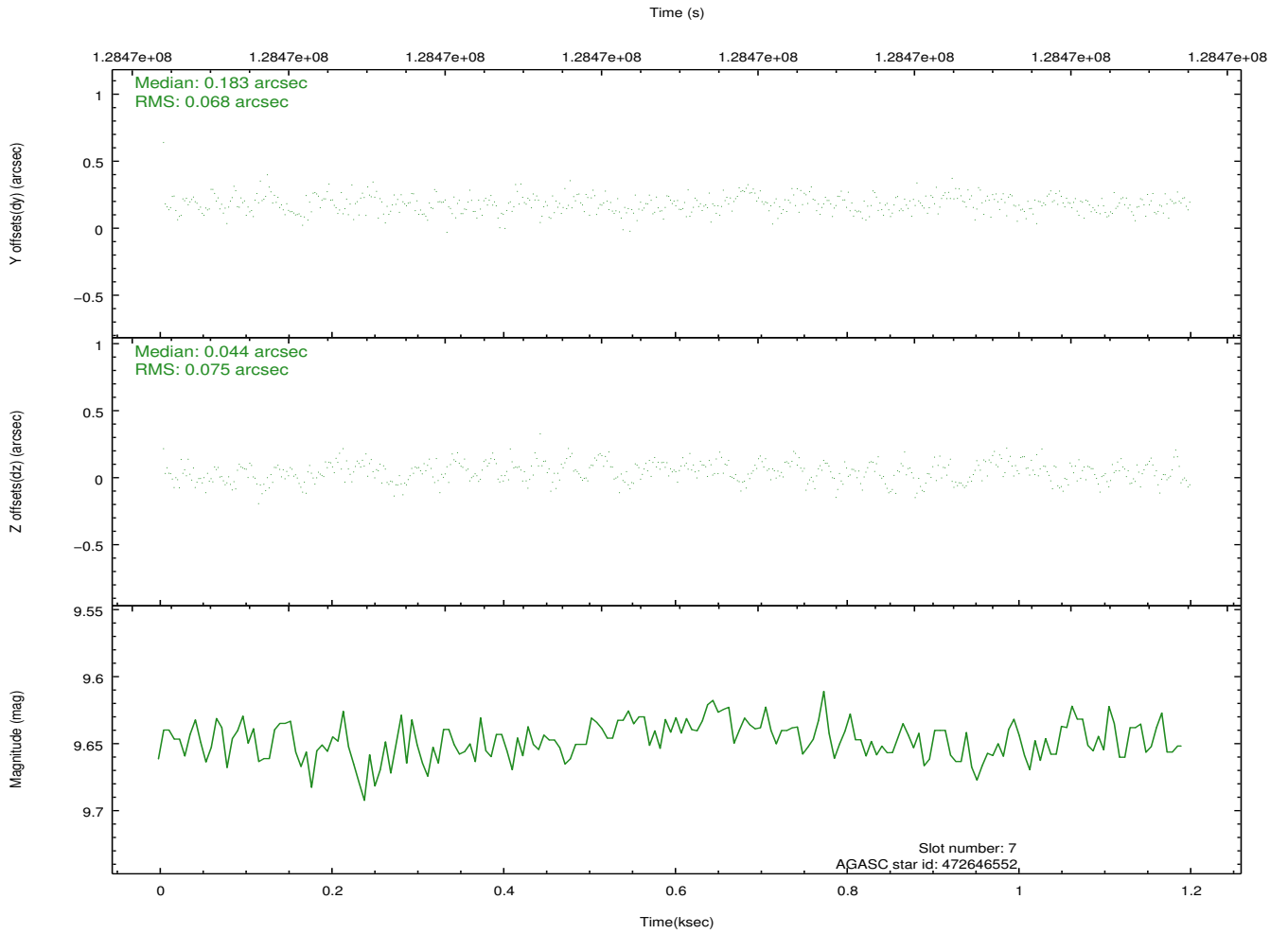
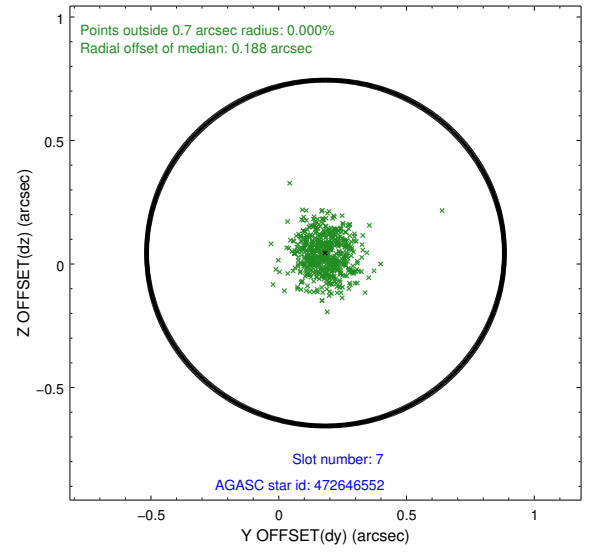
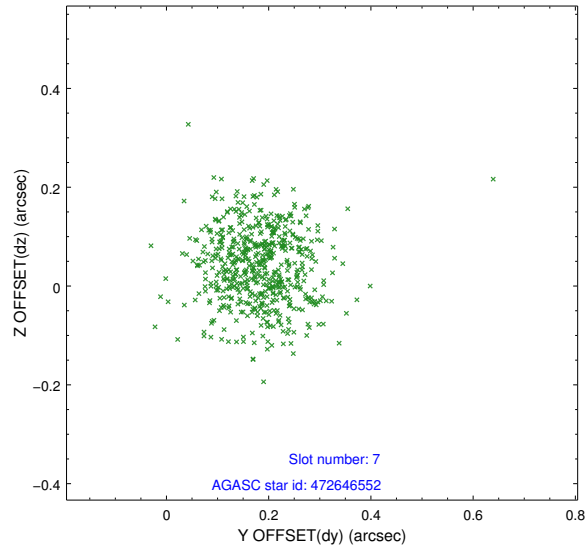
### 2.4.3 Slot 5



## 2.4.4 Slot 6

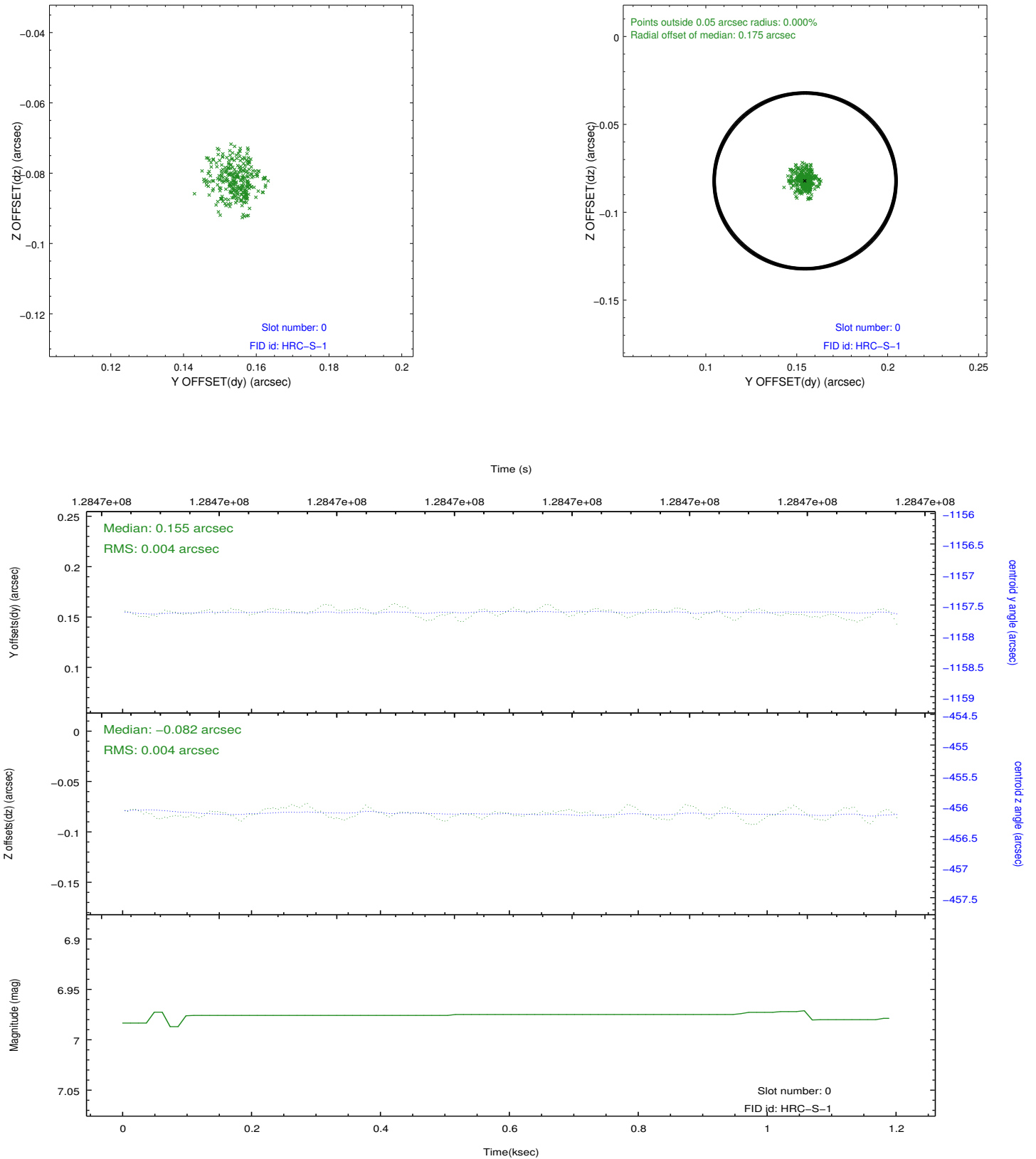


## 2.4.5 Slot 7

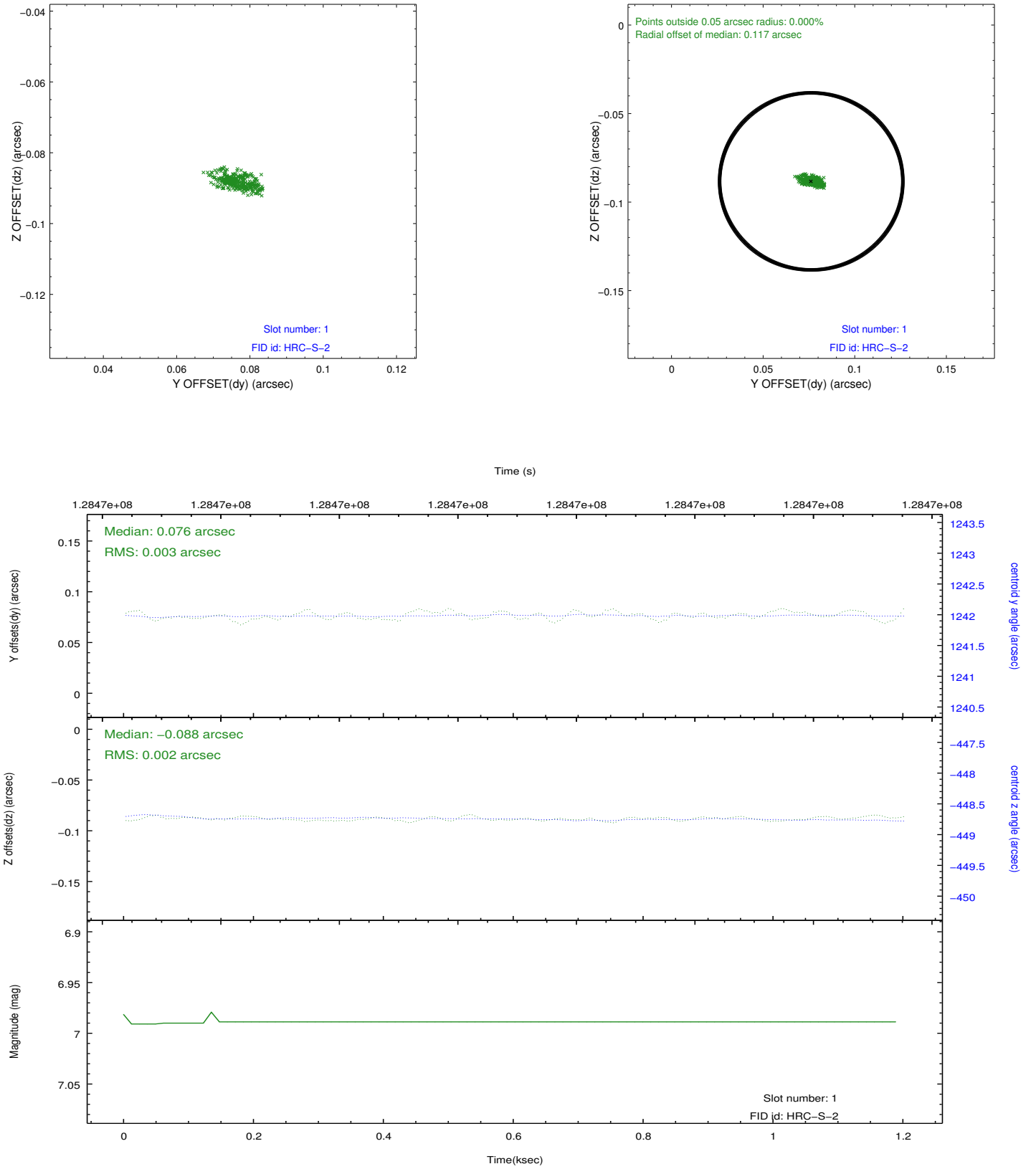


## 2.5 FID Slots

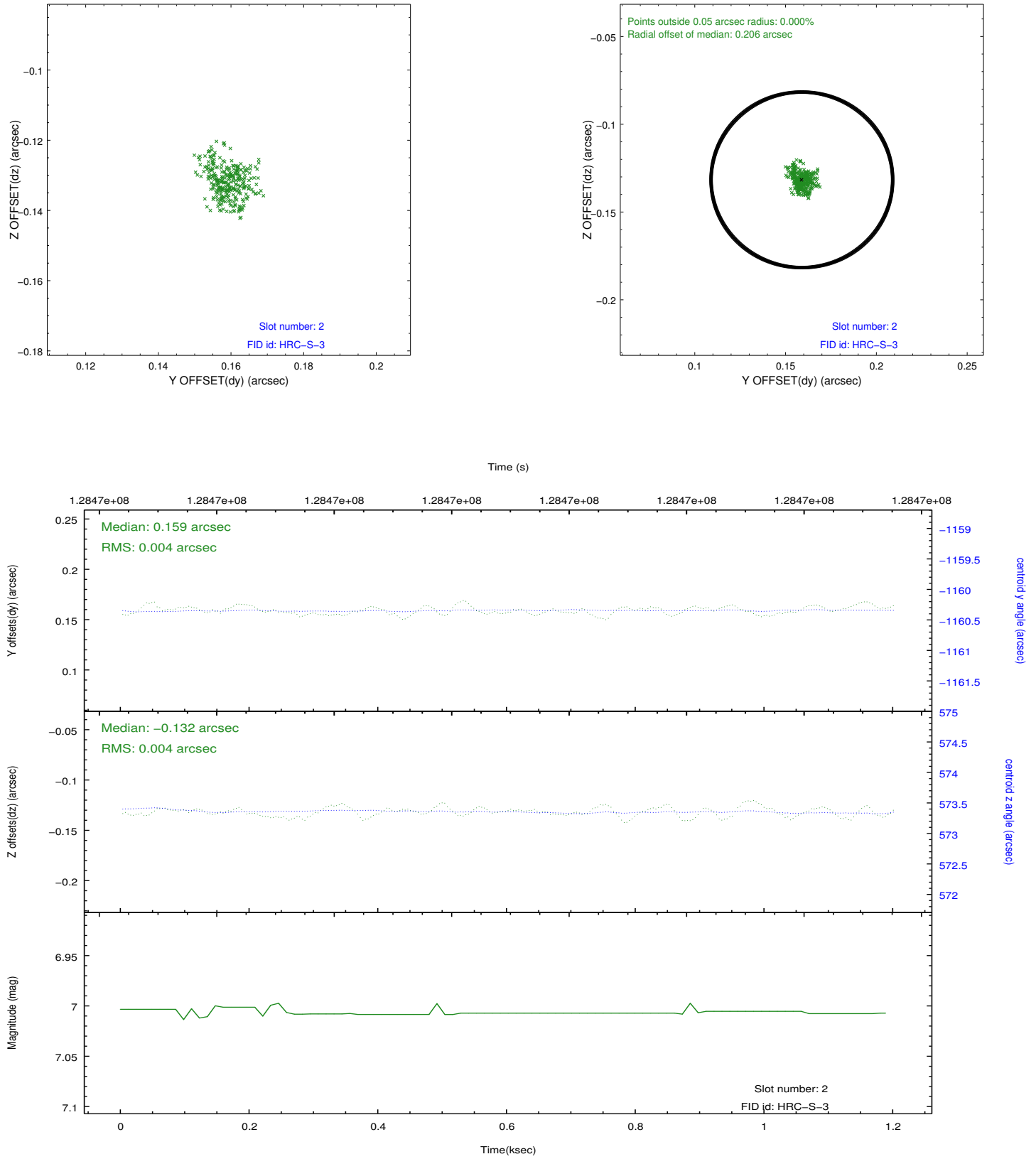
### 2.5.1 Slot 0



## 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)	2012.10.02
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 previous value of 1.19 ks although with the current processing the charge time would have been 1.14 ksec.