

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 2647 - L2 Version 3  
Chandra X-Ray Center

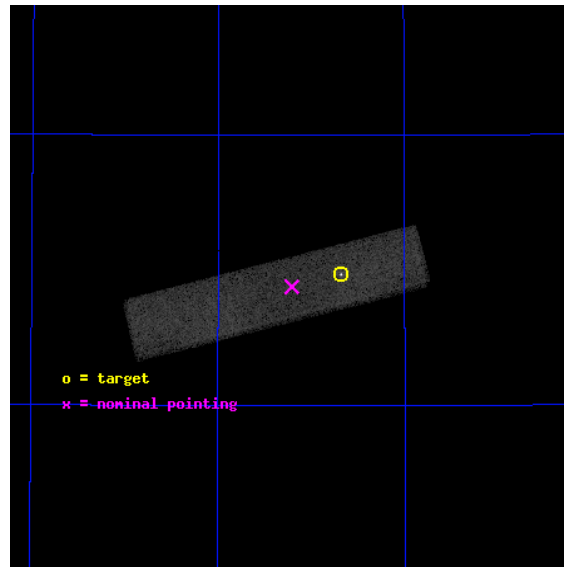
L2 Processing Date : Oct 11 2012

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# 1 Front

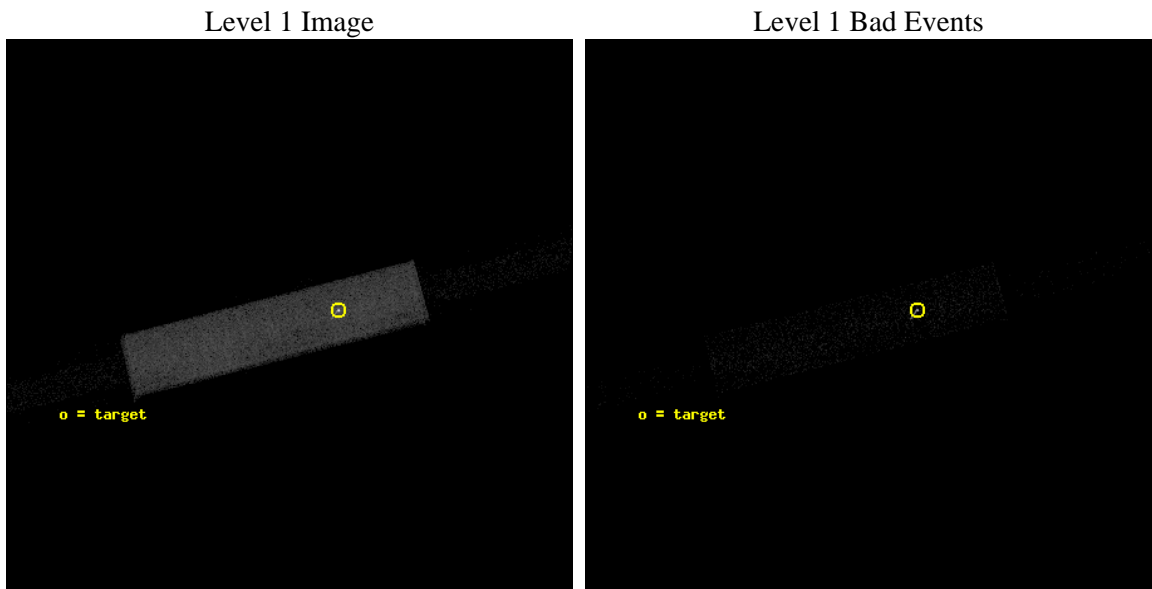
seq_num	290203	Sequence number
obs_id	2647	Observation id
title	AO3B HRC-S CALIBRATION OBSERVATION: MINI-SCAN OF ARLAC	Proposal ti
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.30203797566	Nominal RA [deg]
dec_nom	45.719872141658	Nominal Dec [deg]
roll_nom	165.68192415216	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1147.2312972248	[s]
livetime	1139.0444503395	Ontime multiplied by DTCOR
l2events	60617	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	1147.2312972248	[s]
caldsver	4.5.2	&#160	l1events	92352	Number of level 1 events
date	2012-10-11T21:38:41	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

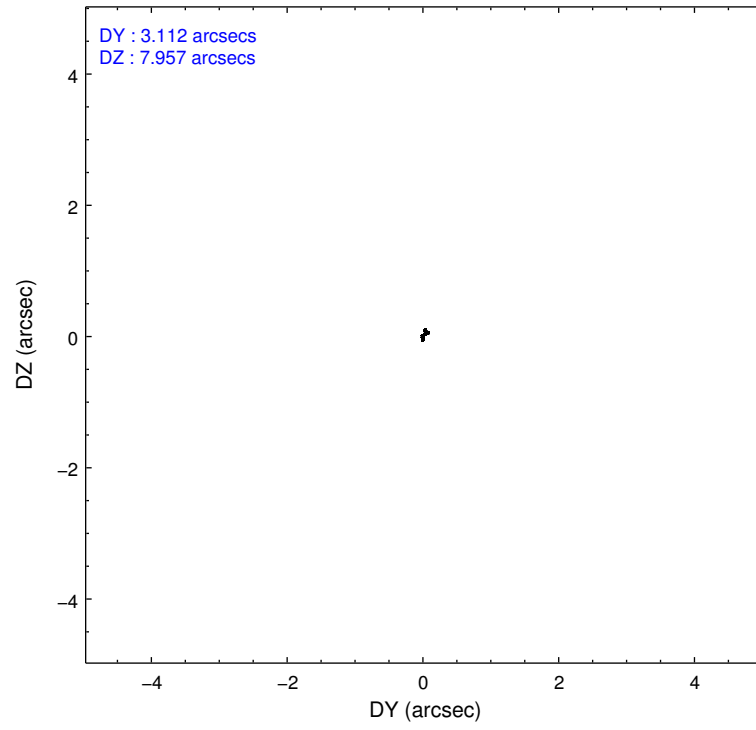
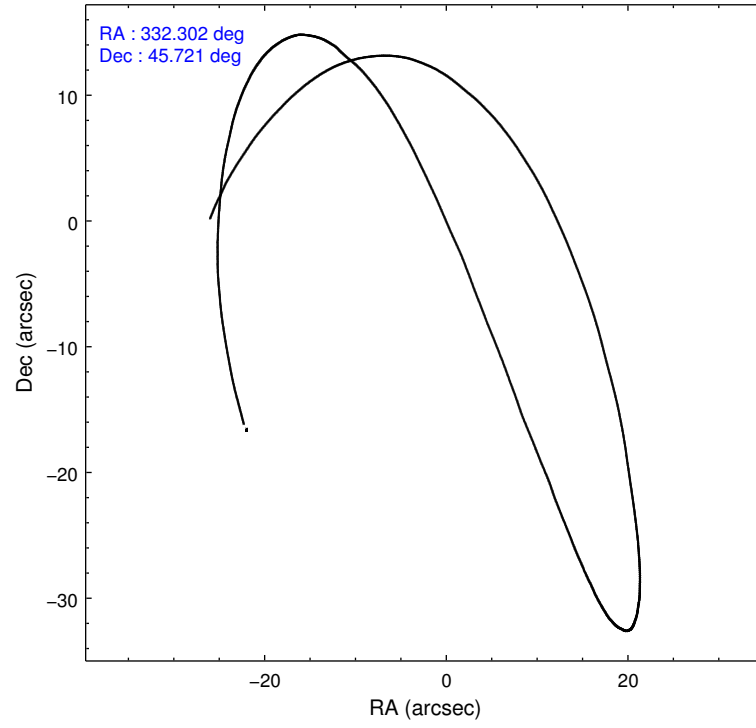
Level 1 Events

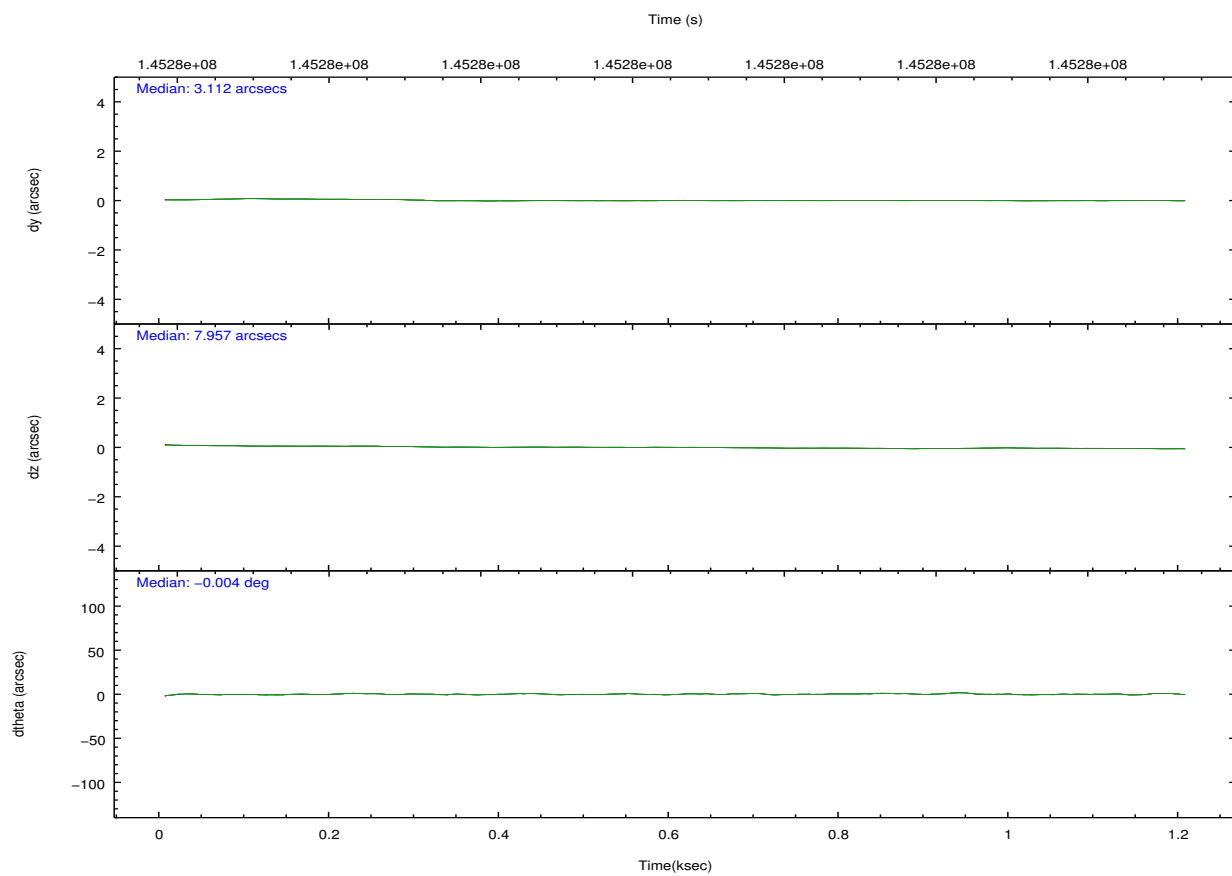
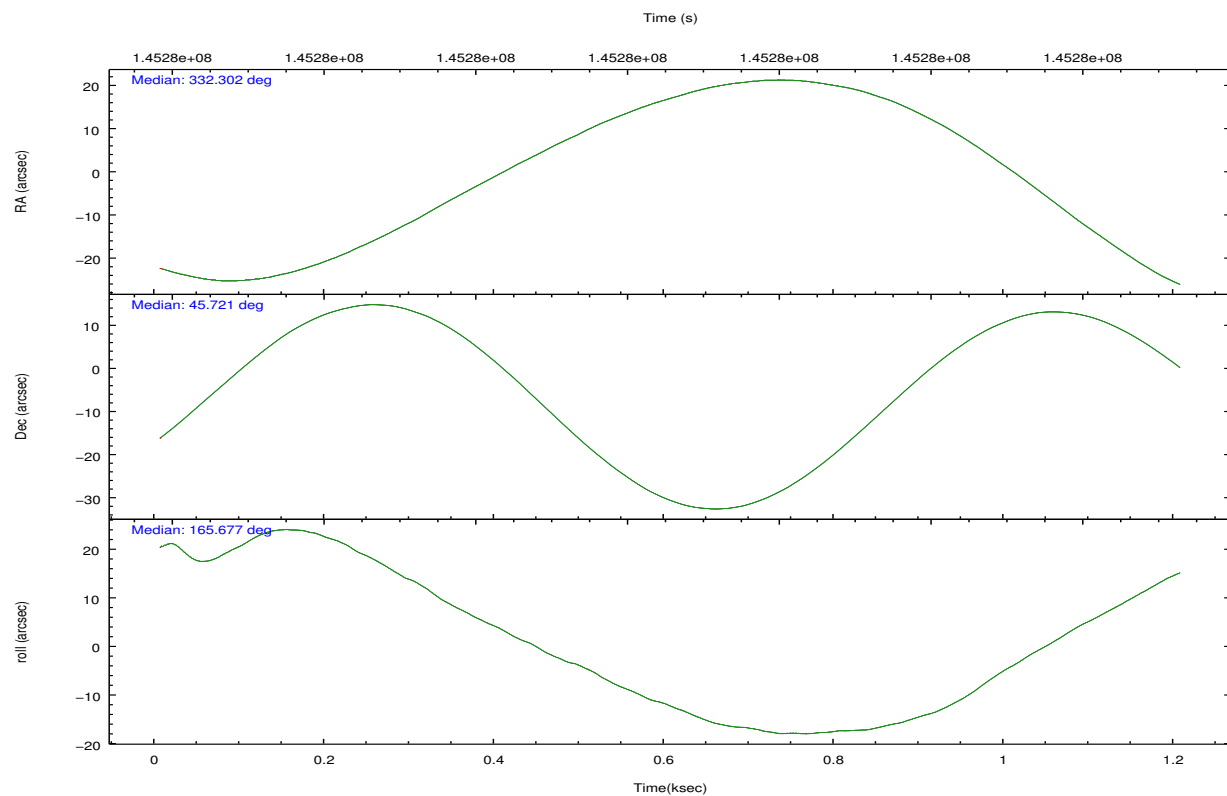
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	1537	89443	1372
rejected events	1537	19239	1372
rejected %	100%	21%	100%

## 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	332.341199	332.3020379756597			
[deg] Pointing Dec	45.727900	45.7198721416576			
[deg] Pointing Roll	165.586494	165.6819241521629			
[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)	145282258.184000	145281881.68672			
Observation start date	2002-08-09T12:09:54	2002-08-09T12:04:41			
[s] Observation end time (MET)	145283258.184000	145283392.02428			
Observation end date	2002-08-09T12:26:34	2002-08-09T12:29:52			

## 2.3 Aspect



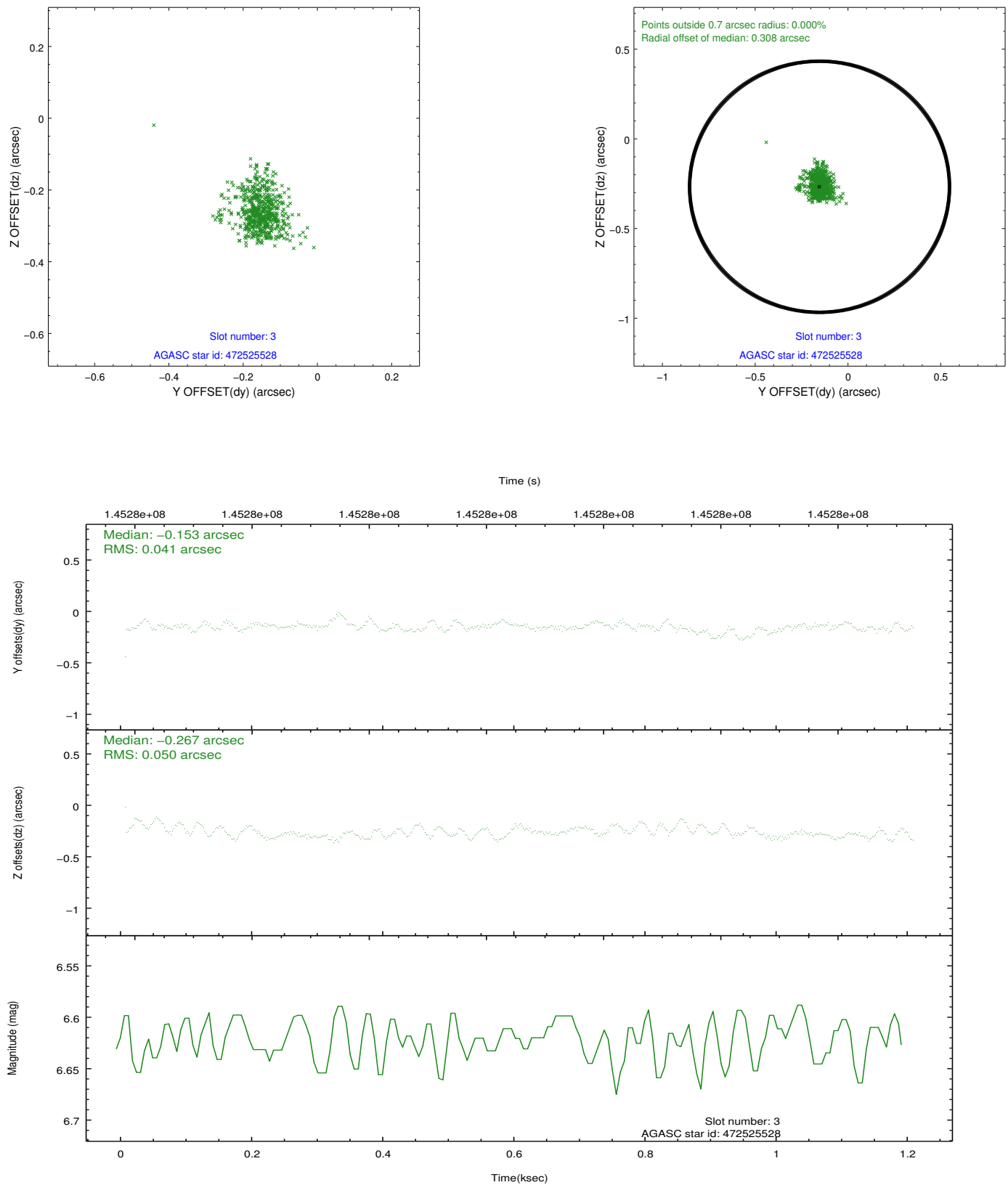


Slot Statistics

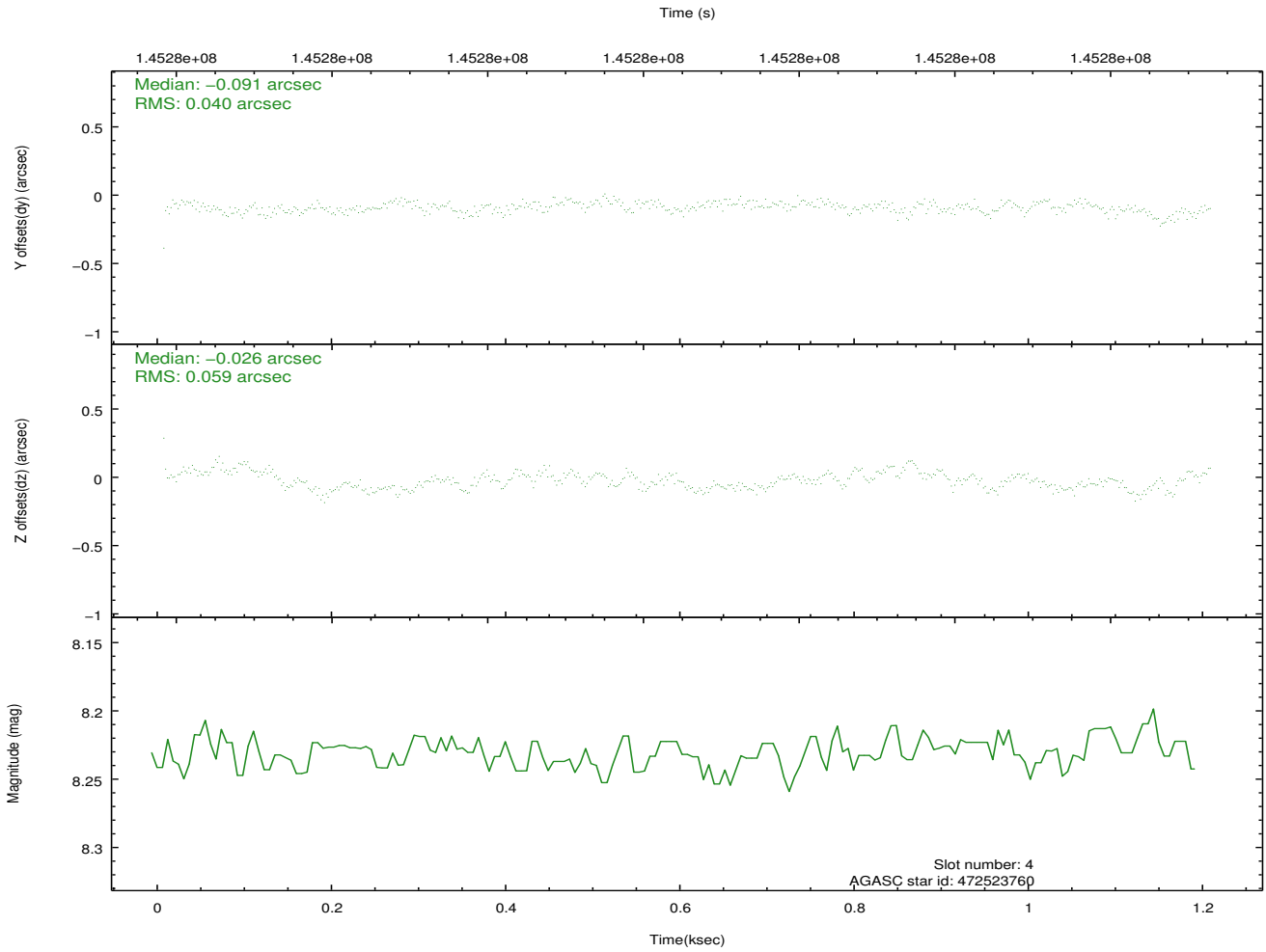
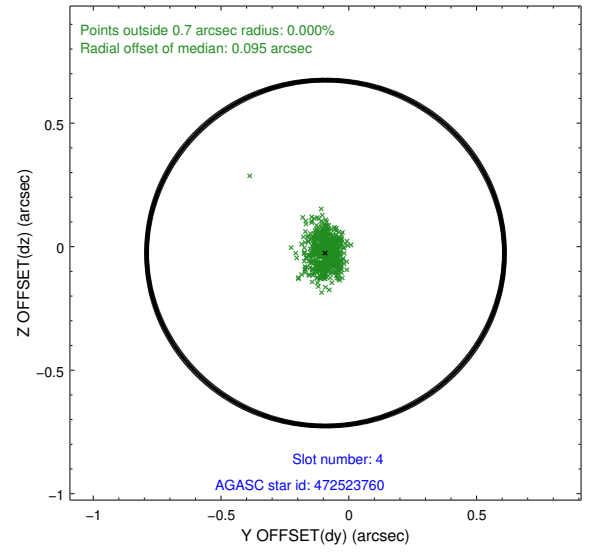
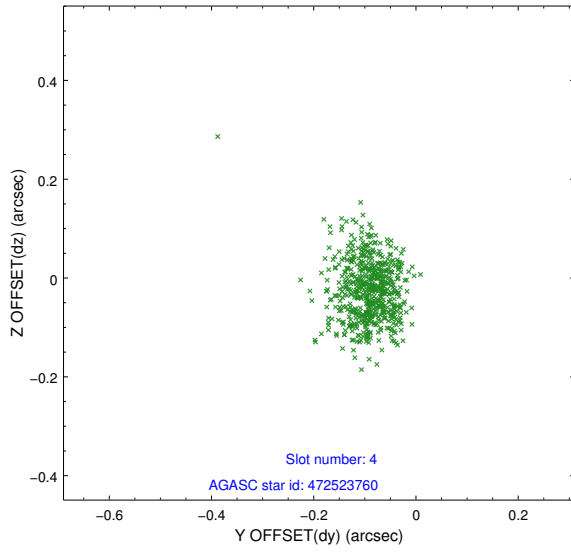
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.01	294	0.150	-0.091	0.007	0.017	0.000000	0.000000	-1157.14	-456.52
1	FID	HRC-S-2	7.02	294	0.086	-0.090	0.005	0.011	0.000000	0.000000	1238.54	-450.67
2	FID	HRC-S-3	7.03	294	0.154	-0.121	0.006	0.013	0.000000	0.000000	-1155.66	571.45
3	GUIDE	472525528	6.62	587	-0.153	-0.267	0.067	0.116	331.551102	45.248694	1509.77	2163.28
4	GUIDE	472523760	8.23	587	-0.091	-0.026	0.074	0.118	331.645363	45.403260	1414.37	1569.76
5	GUIDE	472665256	9.03	587	0.151	0.232	0.138	0.220	332.808125	46.195041	-707.20	-1915.26
6	GUIDE	472659832	9.47	585	0.052	0.121	0.091	0.144	332.780399	46.098139	-732.84	-1566.37
7	GUIDE	472523568	9.34	585	0.034	-0.058	0.092	0.147	331.465966	45.371411	1823.61	1783.30

## 2.4 Star Slots

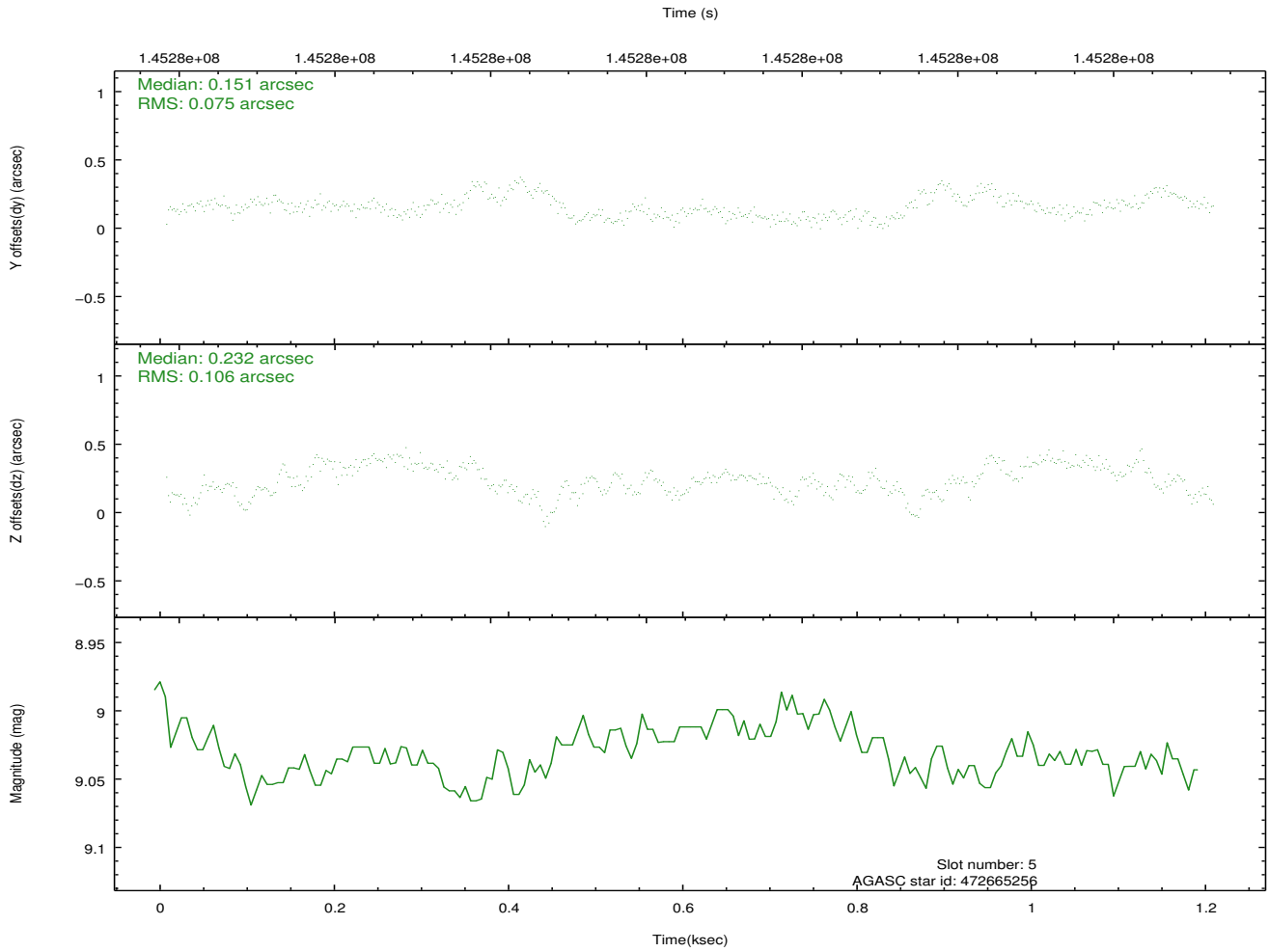
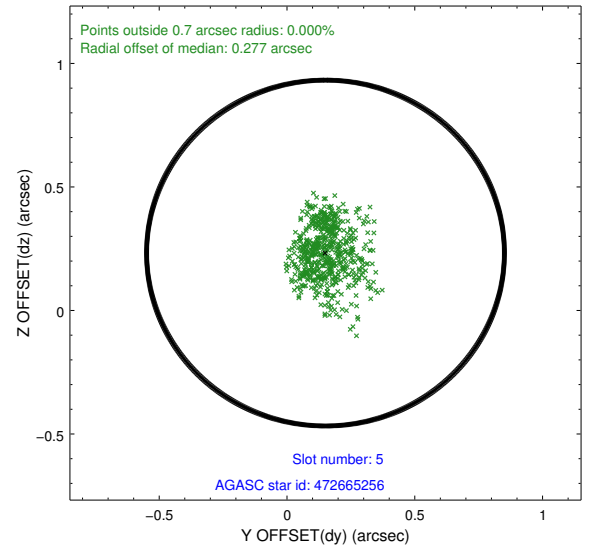
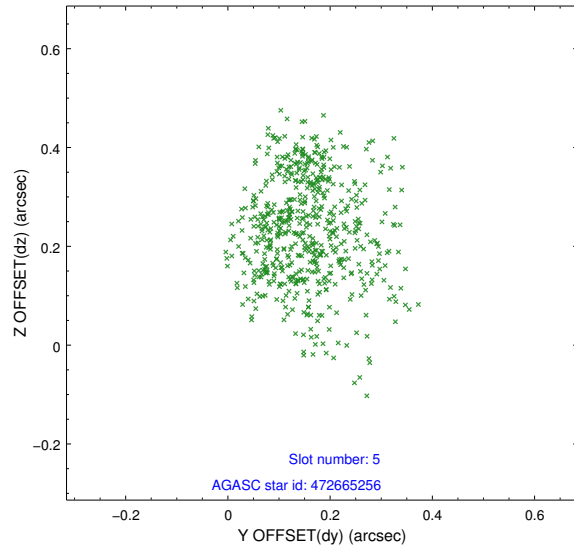
### 2.4.1 Slot 3



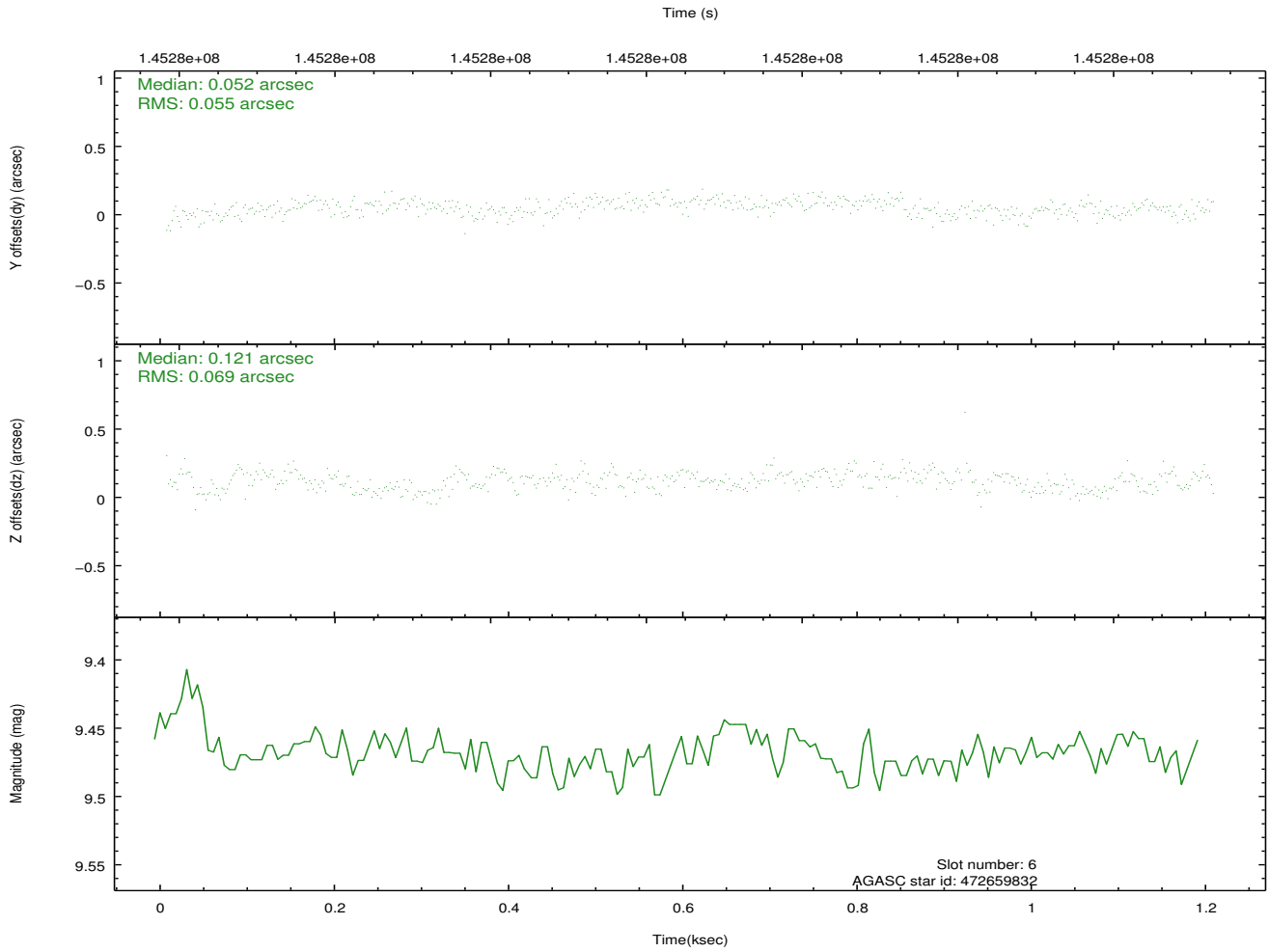
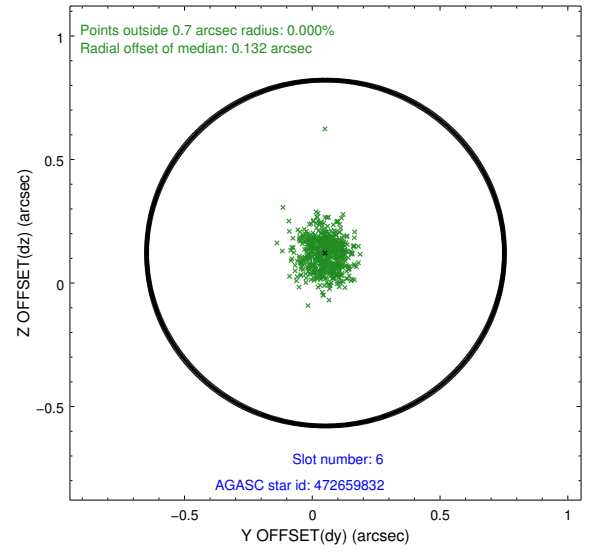
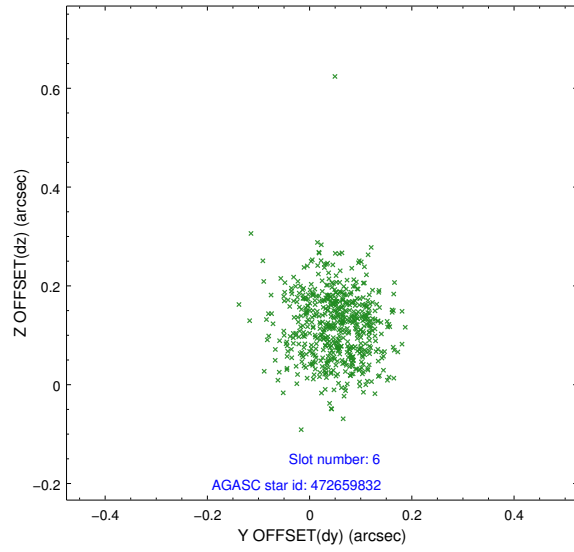
## 2.4.2 Slot 4



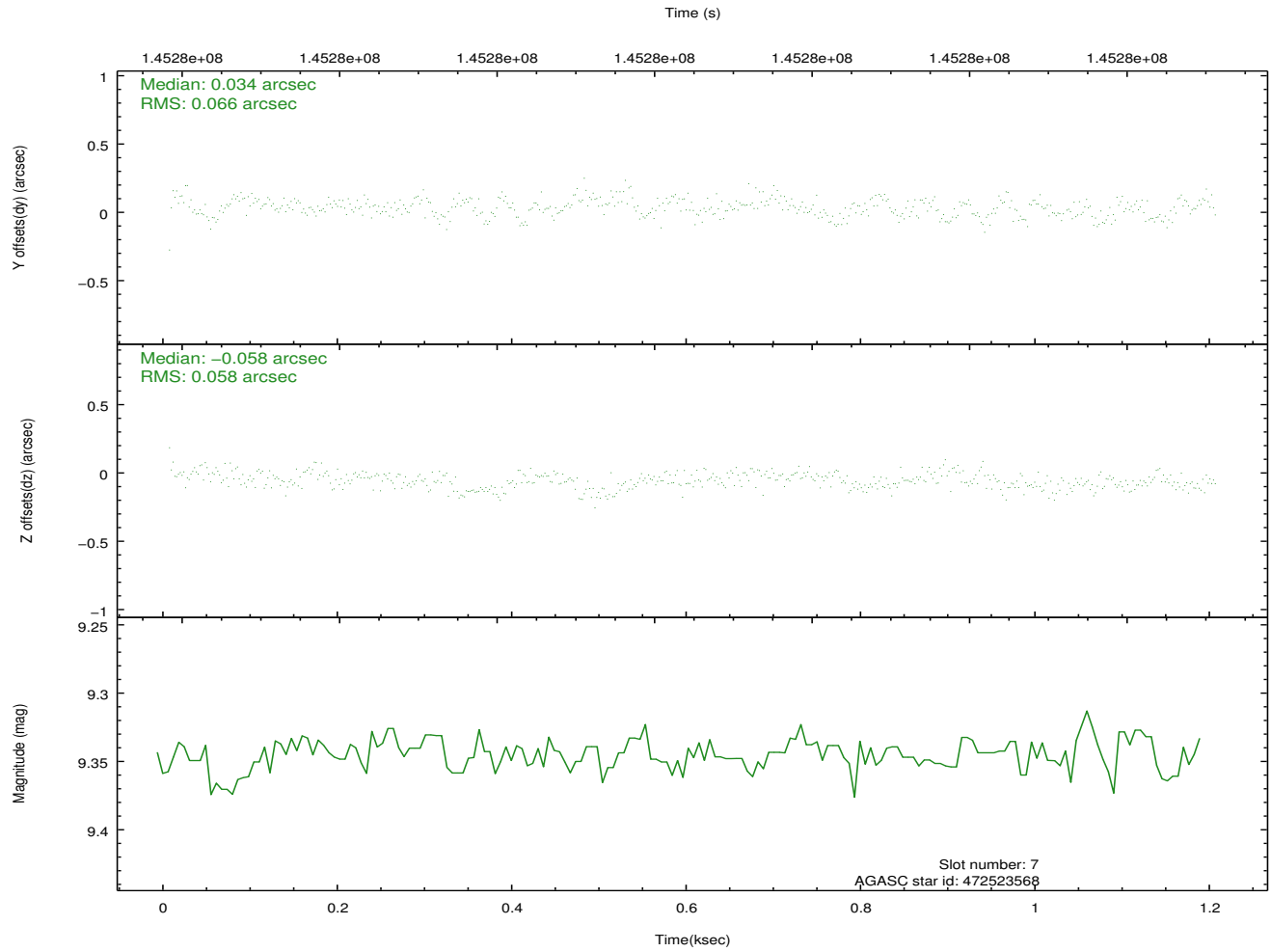
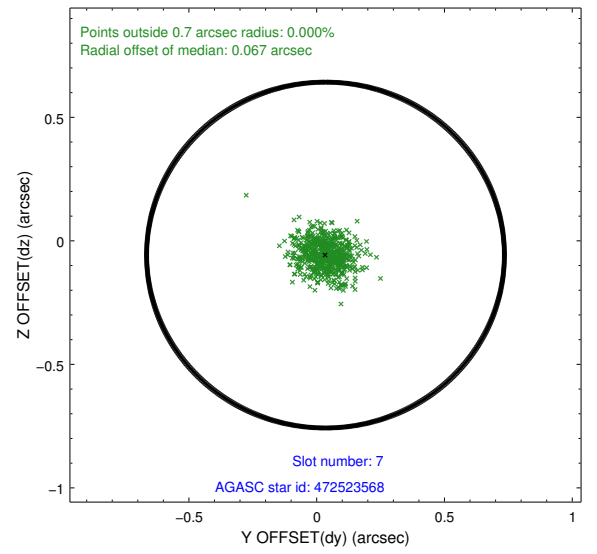
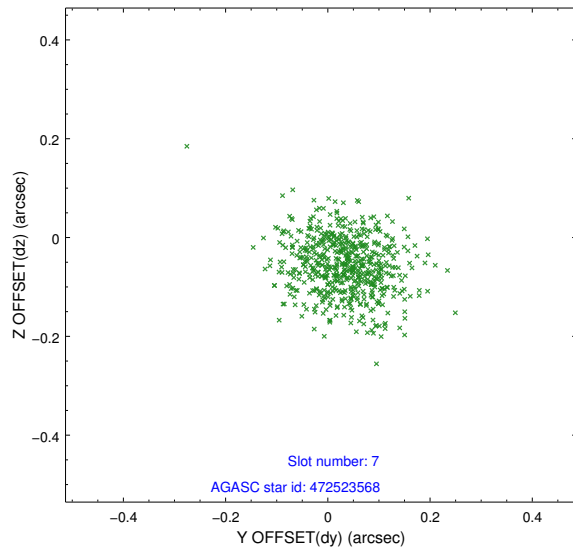
### 2.4.3 Slot 5



## 2.4.4 Slot 6

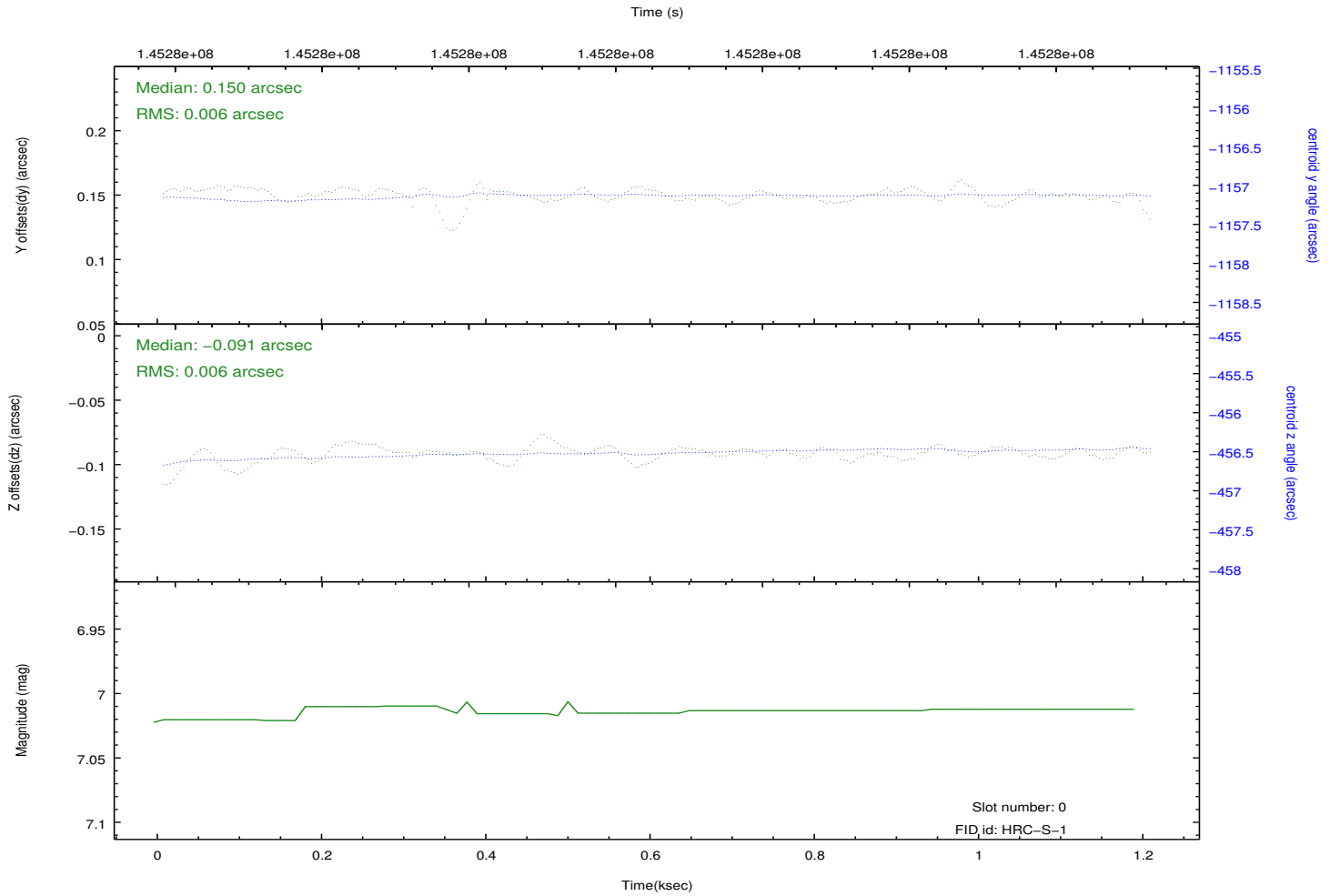
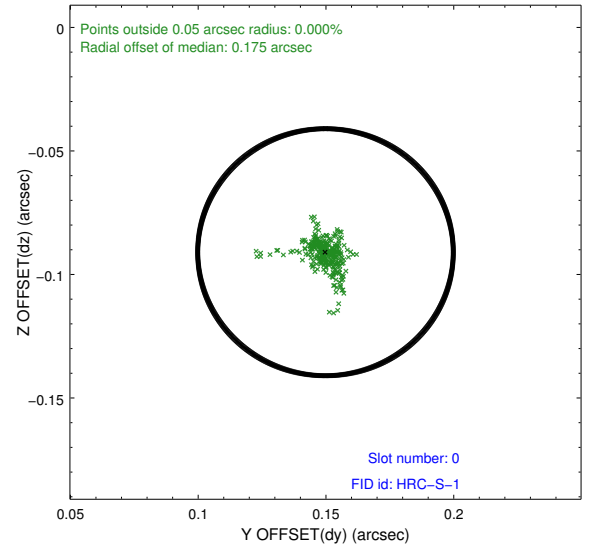
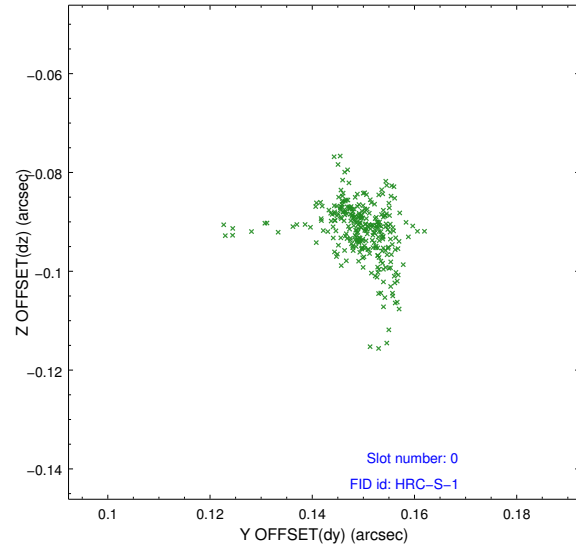


## 2.4.5 Slot 7

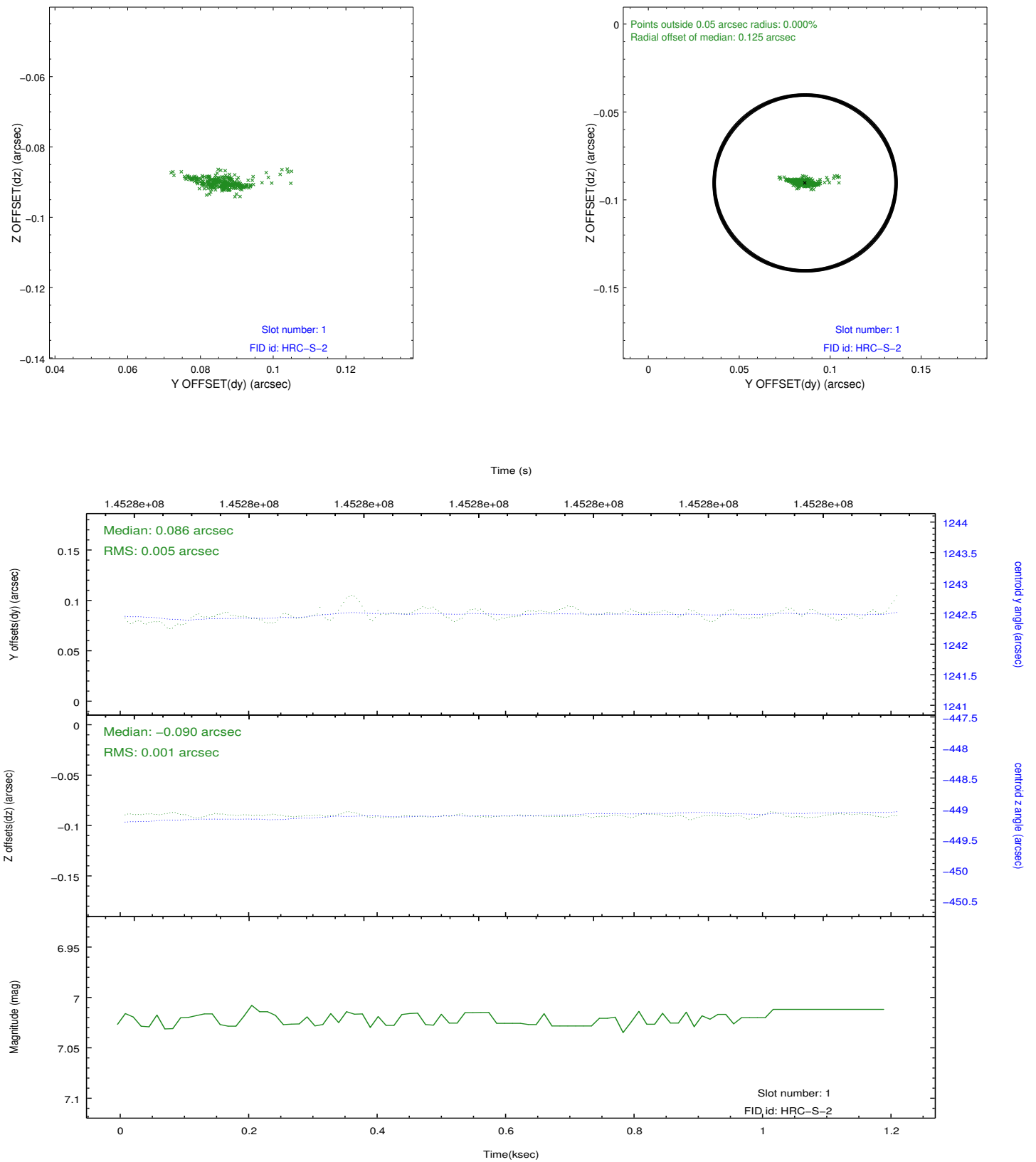


## 2.5 FID Slots

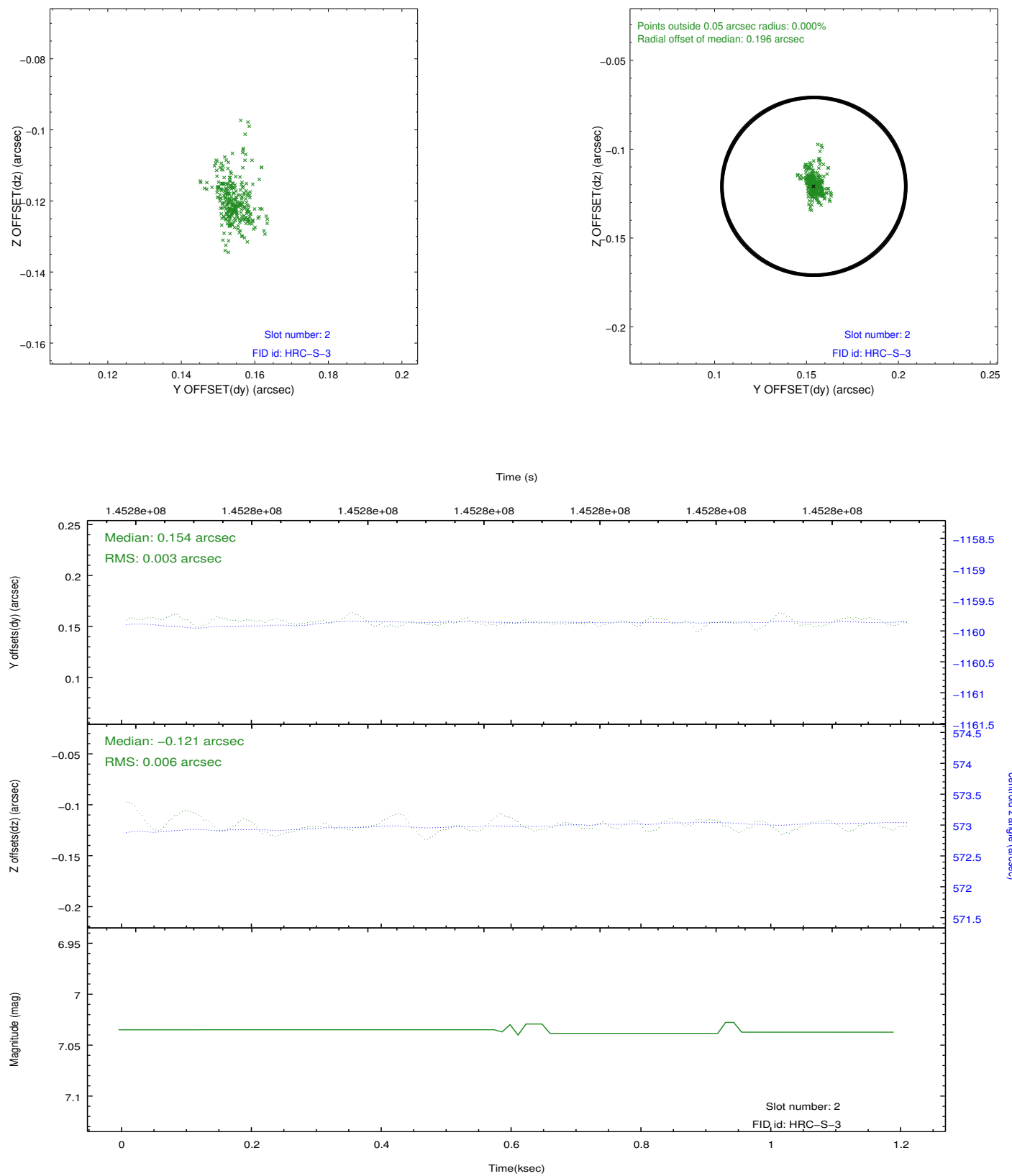
### 2.5.1 Slot 0



## 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)	2012.10.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.2

### A.2 Comments

Charge time for this ObsId remains at previous value of 1.2 ks although with the current processing the charge time would have been 1.147 ksec.