

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 2435 - L2 Version 5  
Chandra X-Ray Center

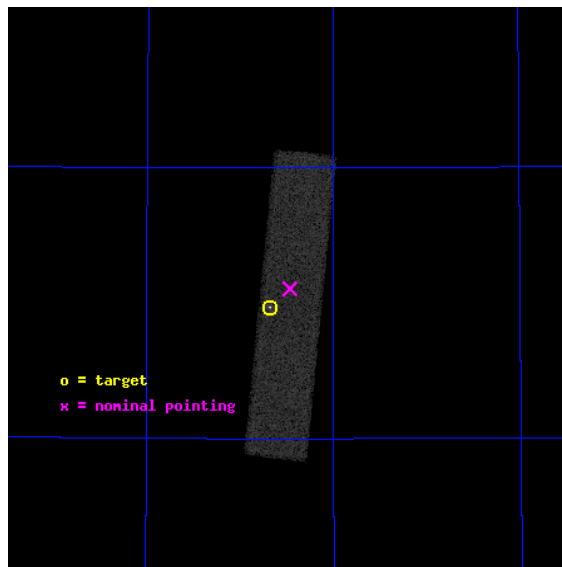
L2 Processing Date : Sep 18 2012

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# 1 Front

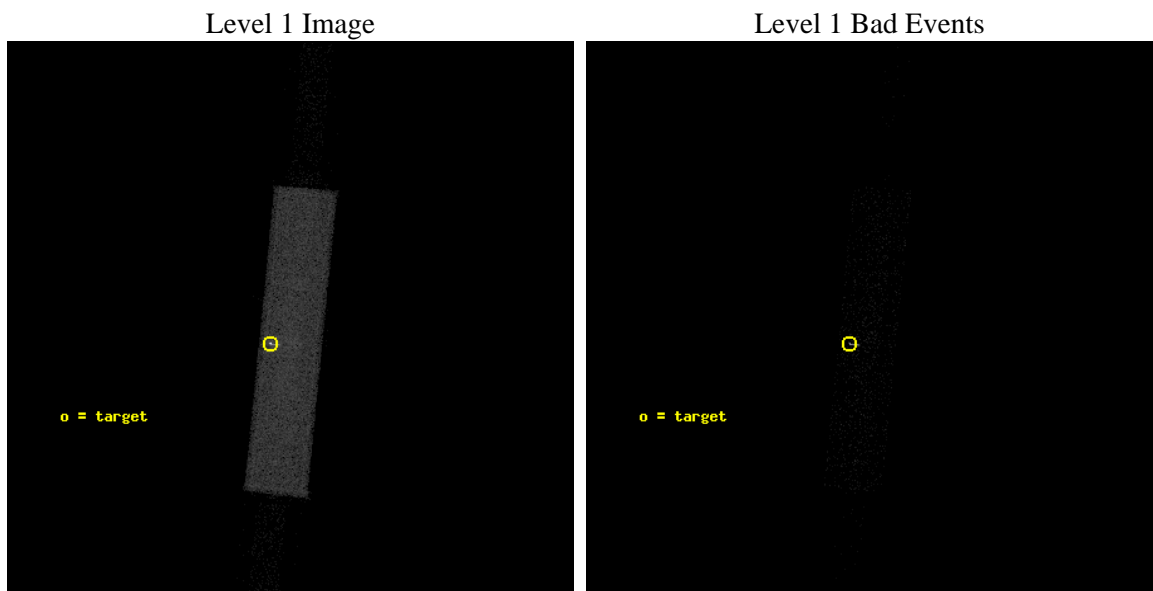
seq_num	290078	Sequence number
obs_id	2435	Observation id
title	HRC-I CALIBRATION OBSERVATIONS OF ARLAC	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.11672564527	Nominal RA [deg]
dec_nom	45.776855826969	Nominal Dec [deg]
roll_nom	95.679734055756	Nominal Roll [deg]
revision	5	Processing version of data
ontime	1375.8063034564	[s]
livetime	1368.4772295384	Ontime multiplied by DTCOR
l2events	50858	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	1234.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1375.8063034564	[s]
caldbver	4.5.1.1	&#160	l1events	80217	Number of level 1 events
date	2012-09-18T22:54:01	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

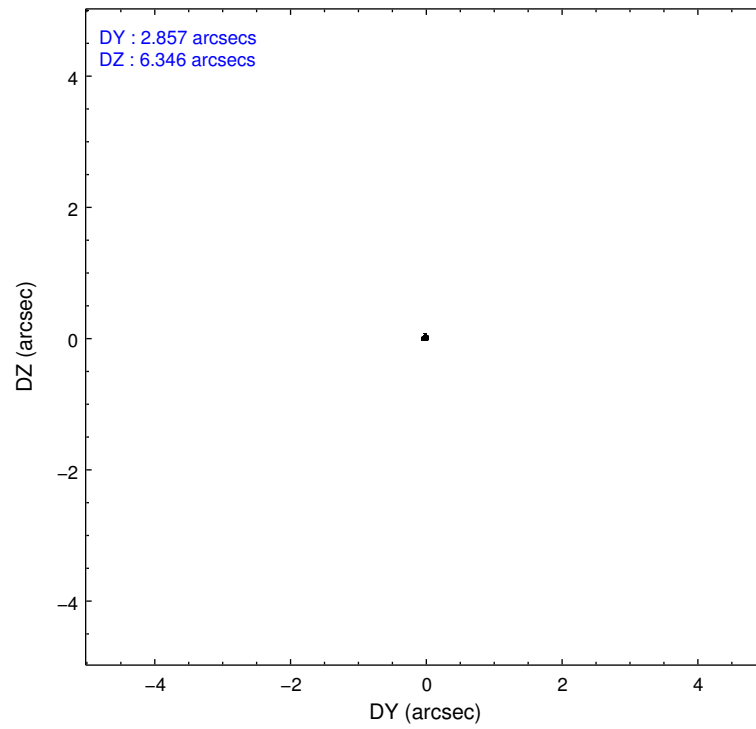
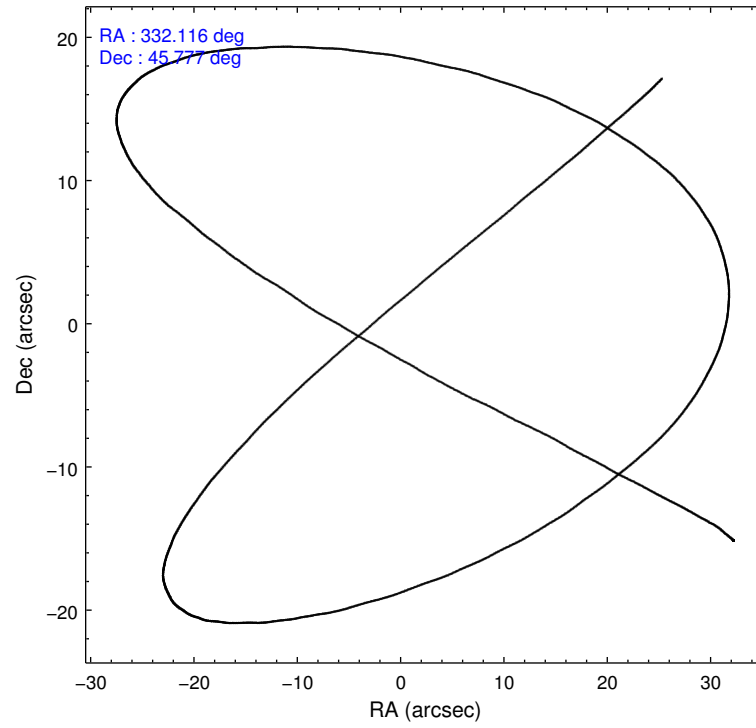
Level 1 Events

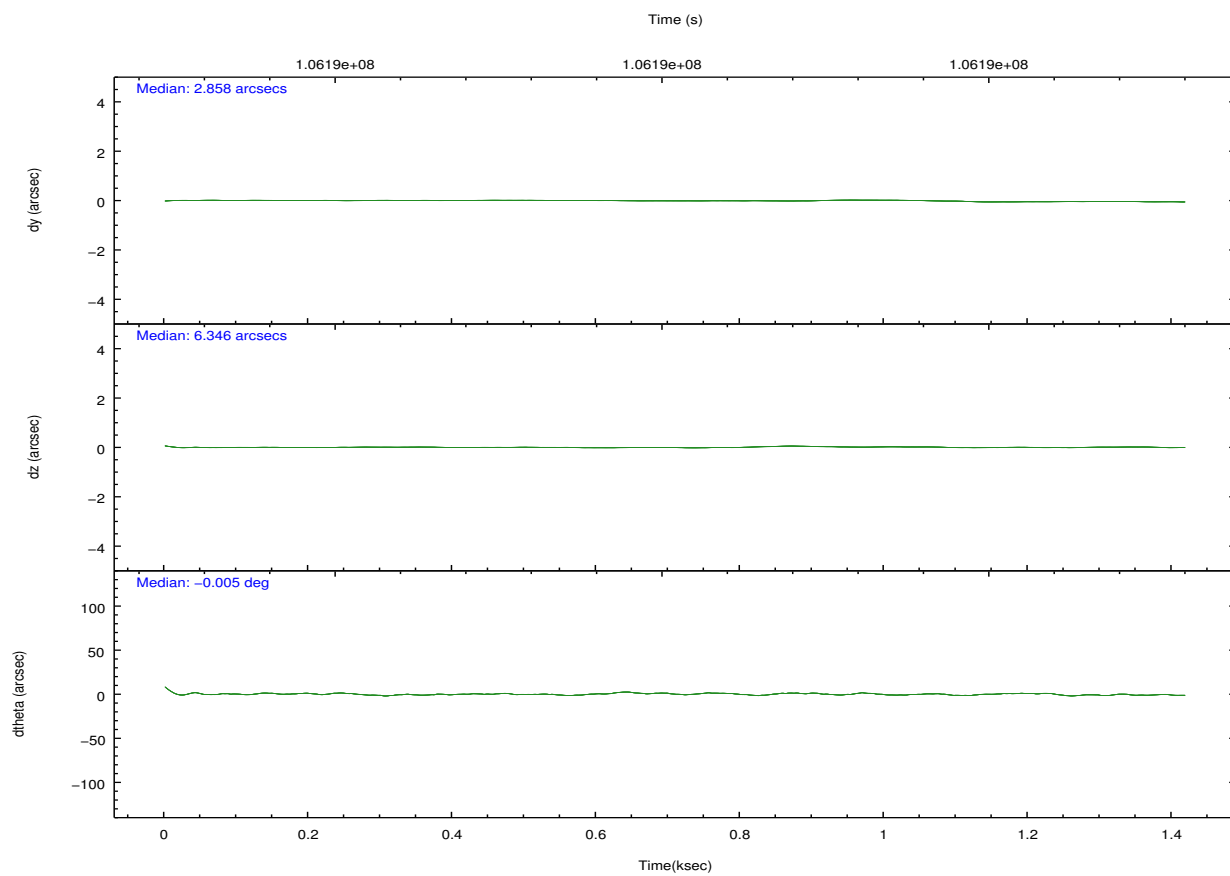
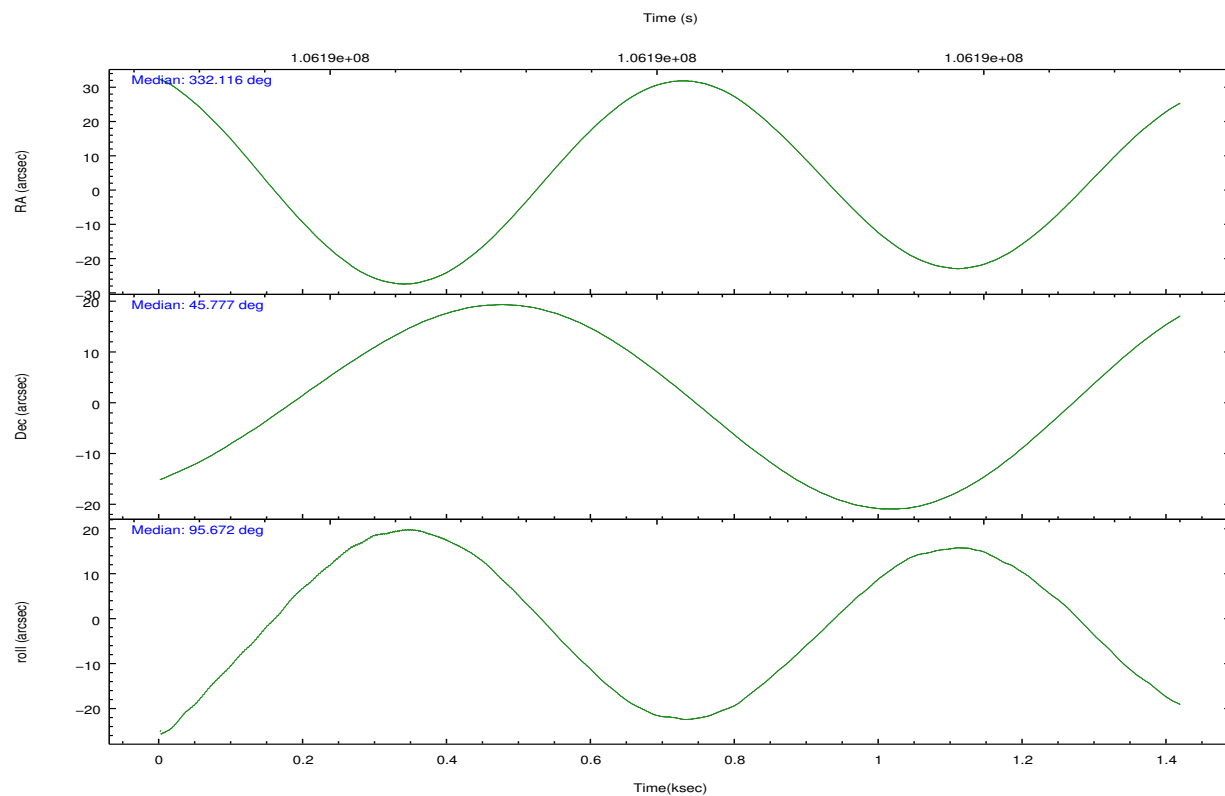
	segment 1	segment 2	segment 3
level 1 events	1106	78055	1056
rejected events	1106	15287	1056
rejected %	100%	19%	100%

## 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	332.142857	332.1167256452659			
[deg] Pointing Dec	45.754519	45.77685582696851			
[deg] Pointing Roll	95.593683	95.67973405575611			
[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)	106193499.184000	106193122.79539			
Observation start date	2001-05-14T02:10:35	2001-05-14T02:05:22			
[s] Observation end time (MET)	106194733.184000	106194866.83296			
Observation end date	2001-05-14T02:31:09	2001-05-14T02:34:26			

## 2.3 Aspect





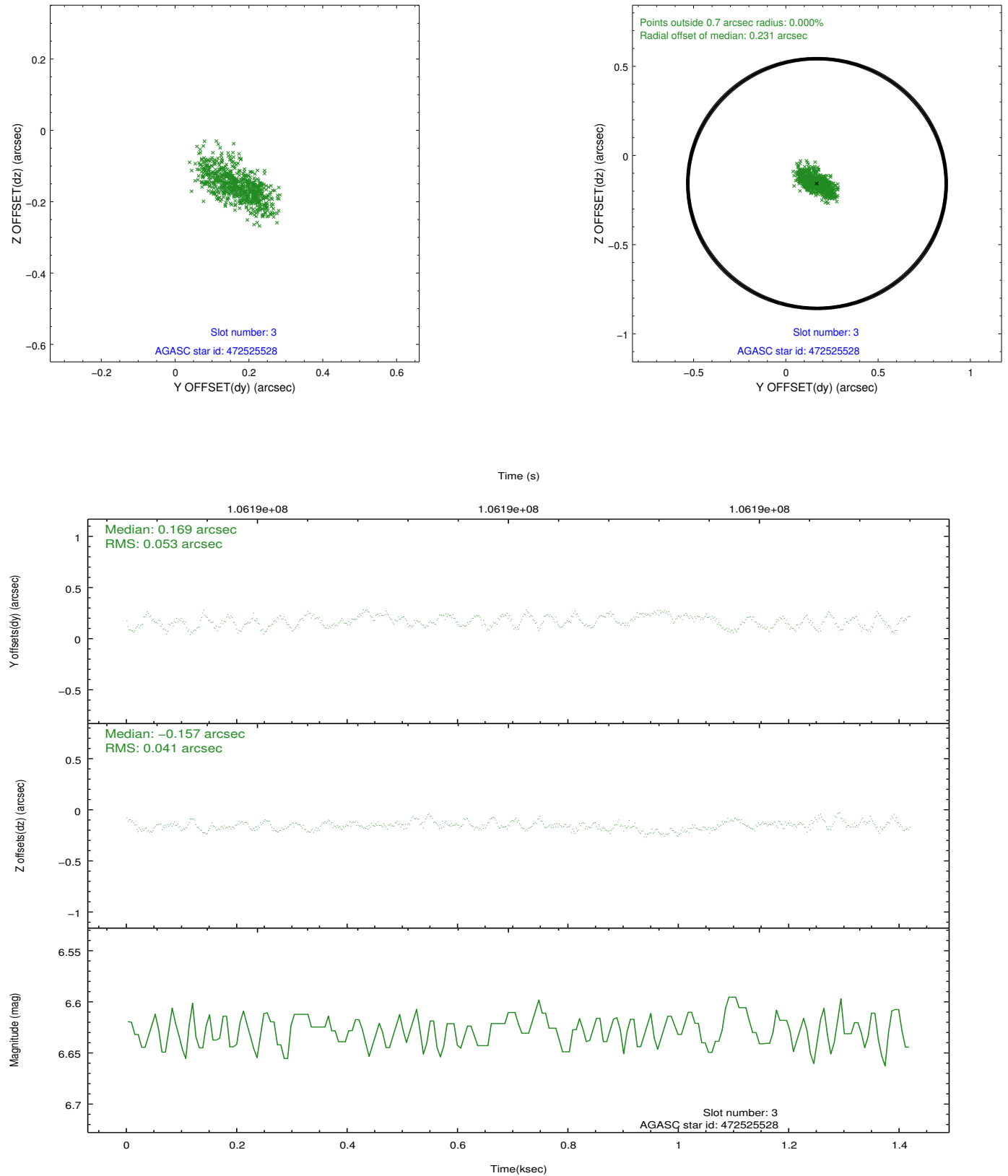
### Slot Statistics

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	346	0.139	-0.107	0.005	0.009	0.000000	0.000000	-1156.87	-454.89
1	FID	HRC-S-2	6.98	346	0.119	-0.154	0.008	0.014	0.000000	0.000000	1239.45	-448.84
2	FID	HRC-S-4	6.93	346	0.145	-0.043	0.009	0.013	0.000000	0.000000	1244.96	576.02
3	GUIDE	472525528	6.63	693	0.169	-0.157	0.071	0.117	331.551102	45.248694	-1660.65	1667.14
4	GUIDE	472527720	7.00	693	0.163	-0.084	0.087	0.138	331.460205	45.112509	-2126.35	1950.62
5	GUIDE	472535576	7.85	693	-0.175	-0.113	0.048	0.077	331.438373	46.291802	2100.15	1555.70
6	GUIDE	472665256	9.01	693	-0.100	0.247	0.072	0.114	332.808125	46.195041	1426.86	-1804.66
7	GUIDE	472659832	9.46	690	-0.075	0.101	0.088	0.144	332.780399	46.098139	1084.69	-1709.72

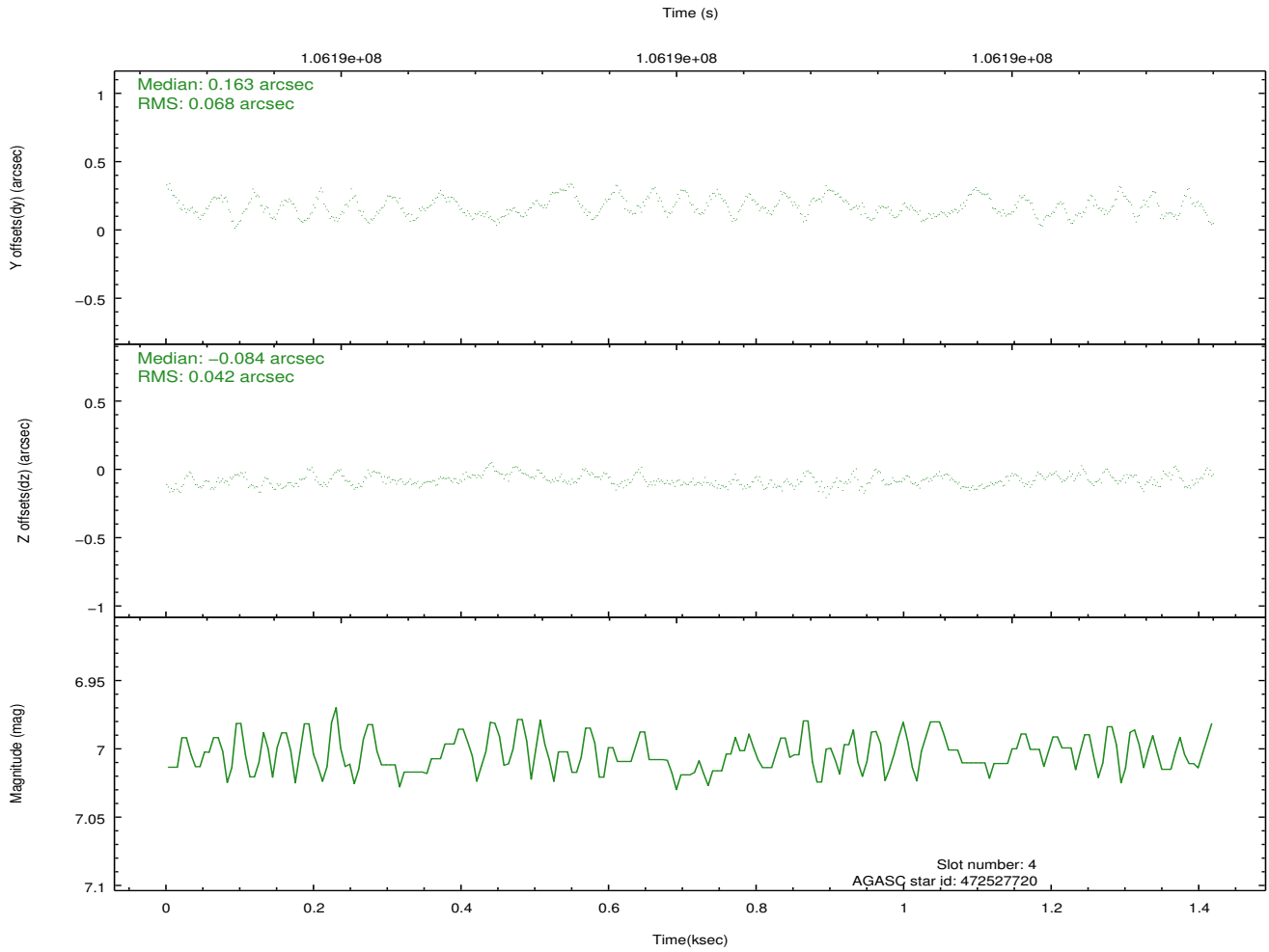
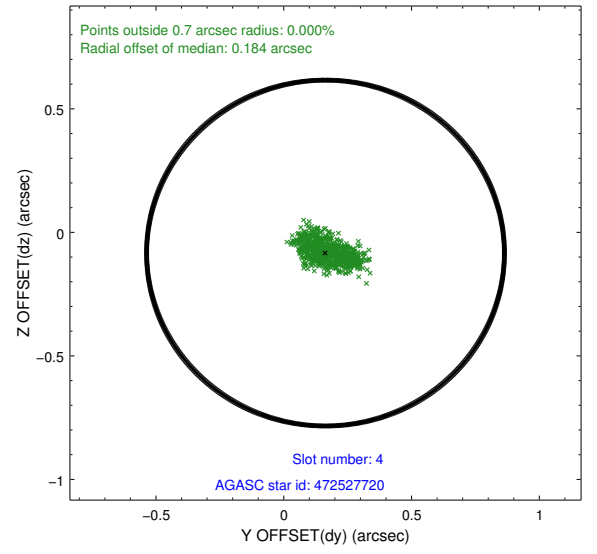
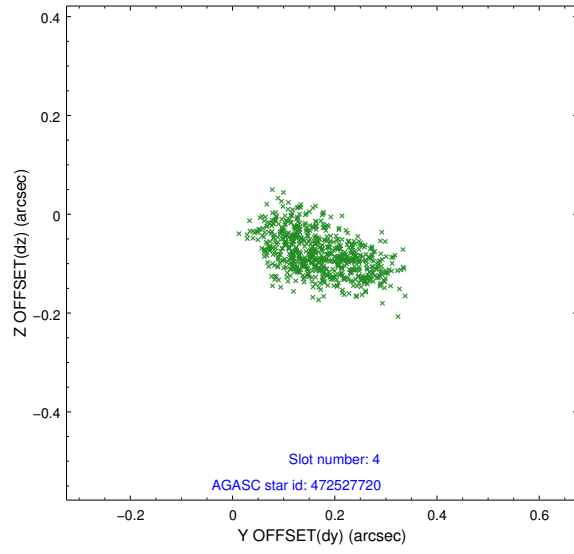


## 2.4 Star Slots

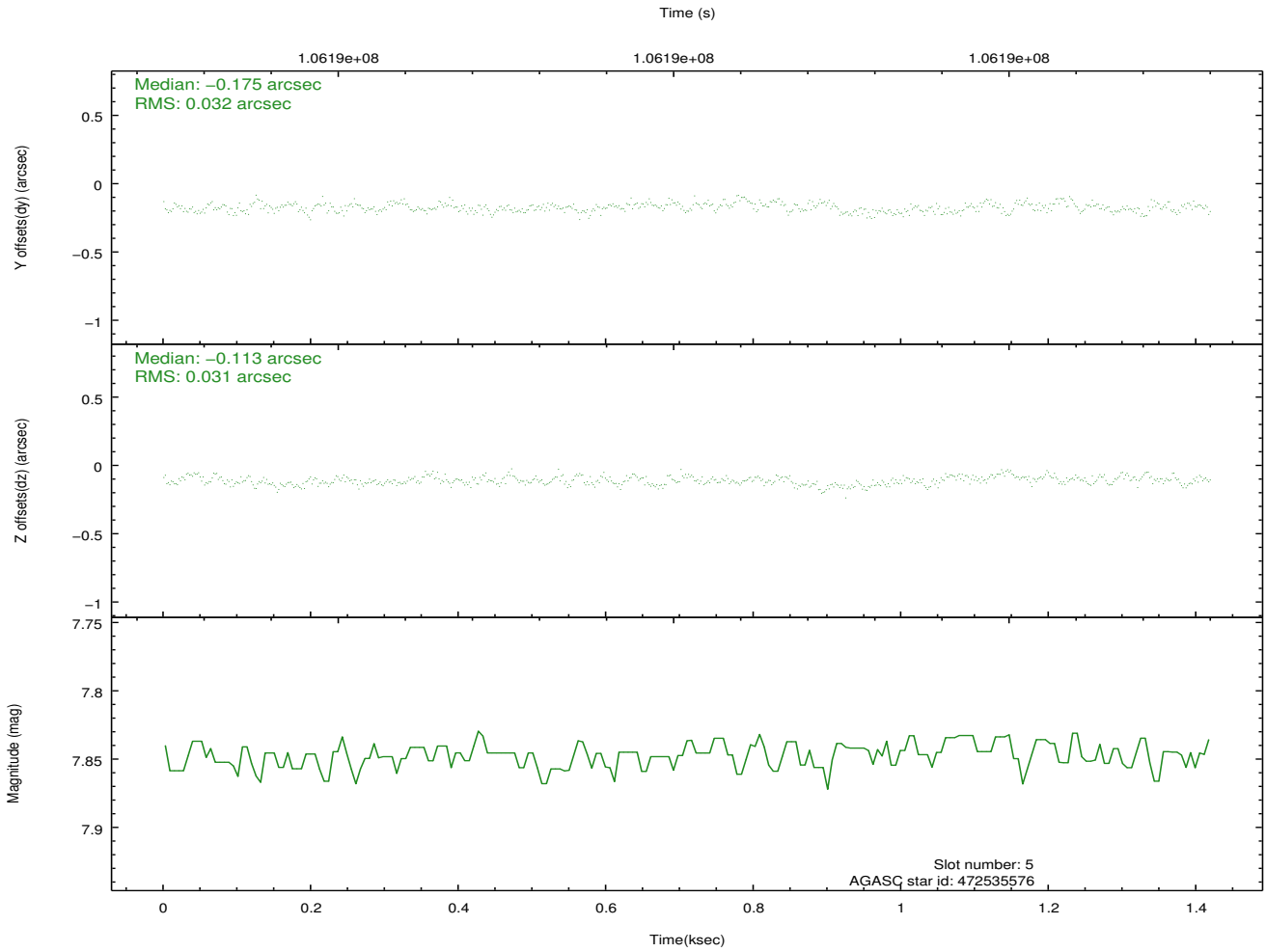
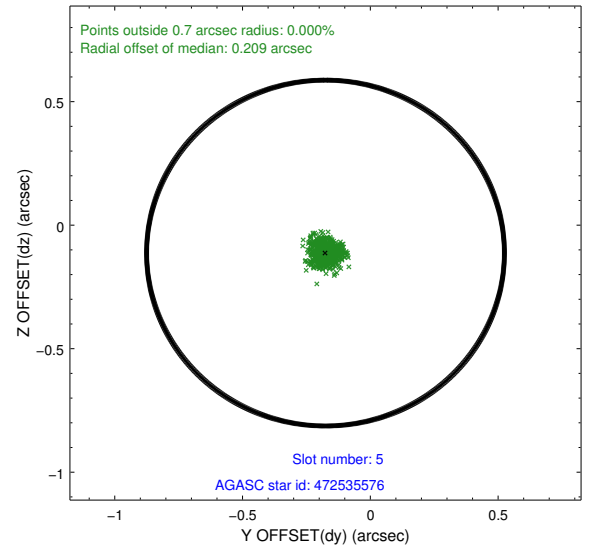
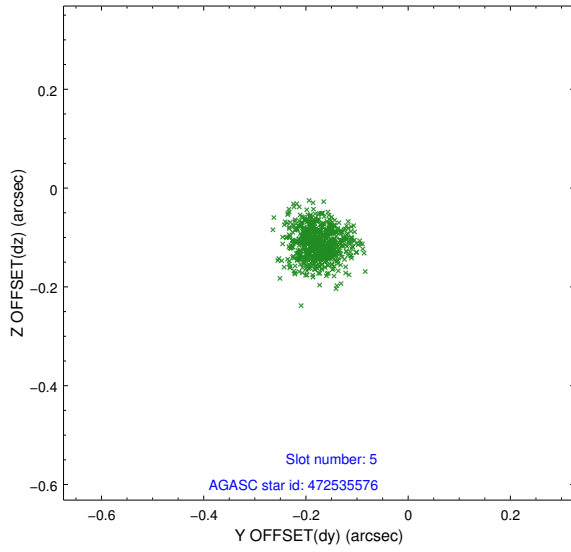
### 2.4.1 Slot 3



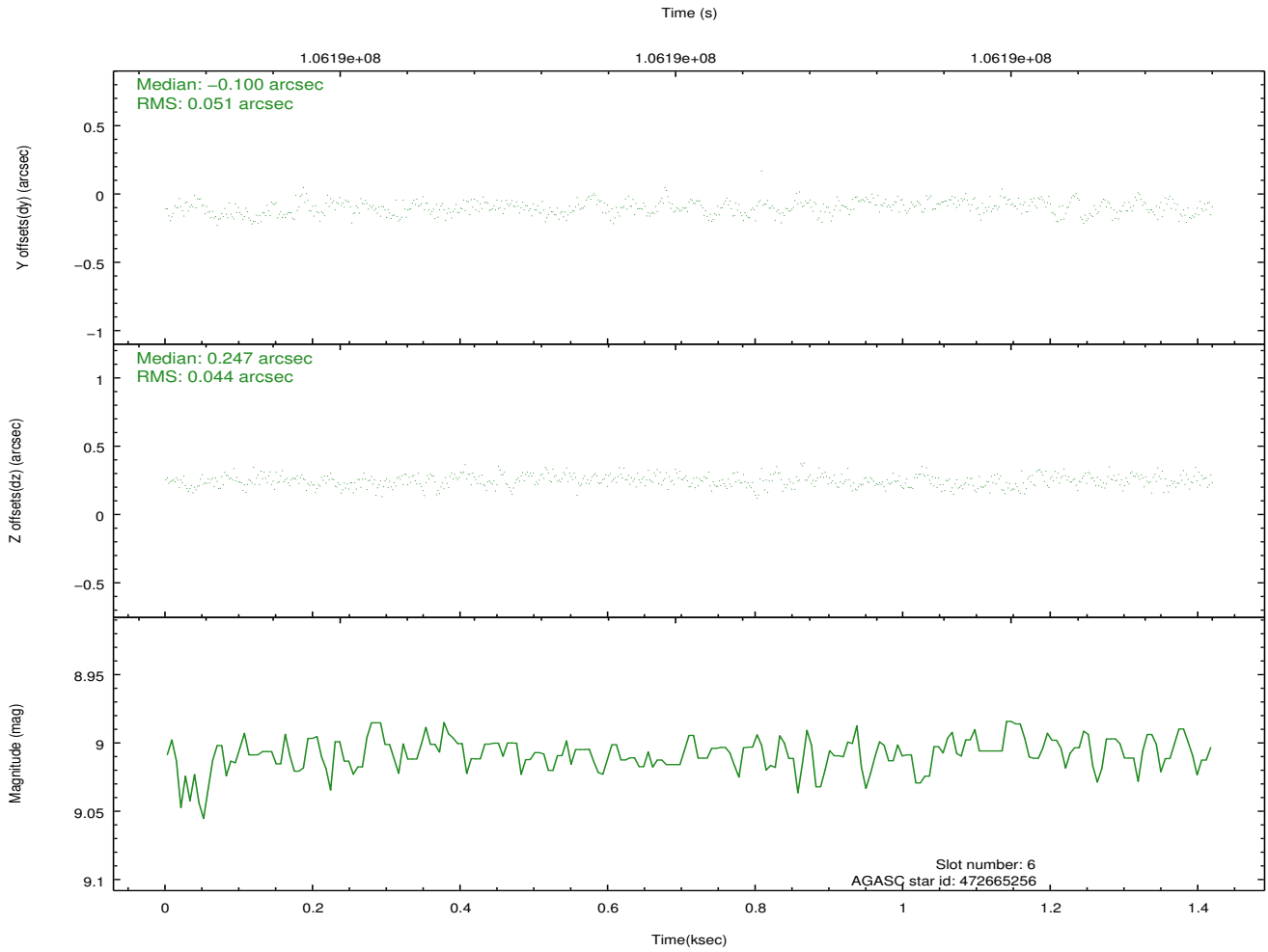
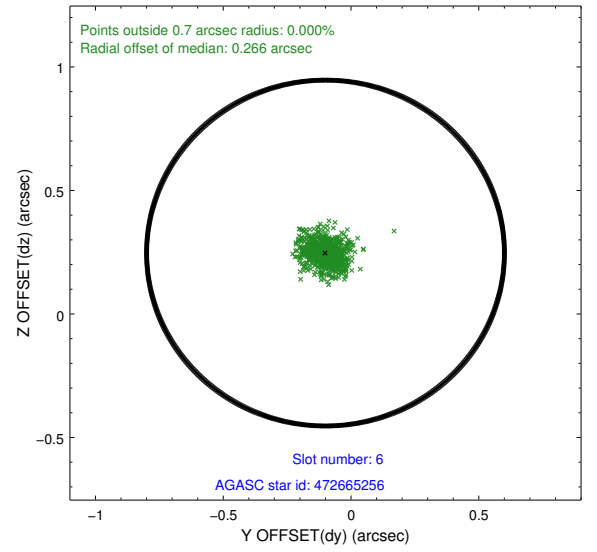
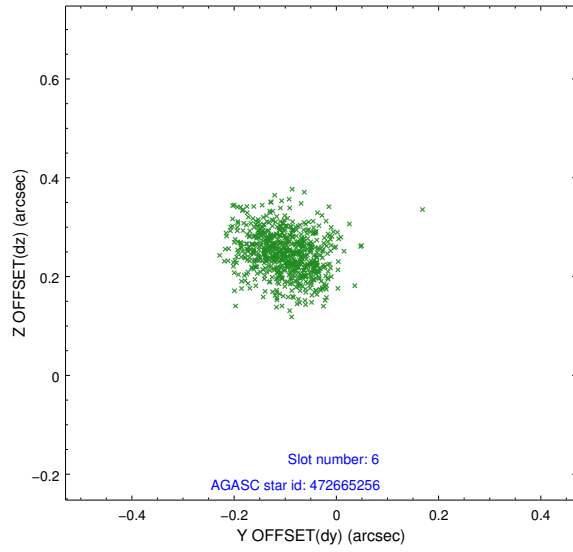
## 2.4.2 Slot 4



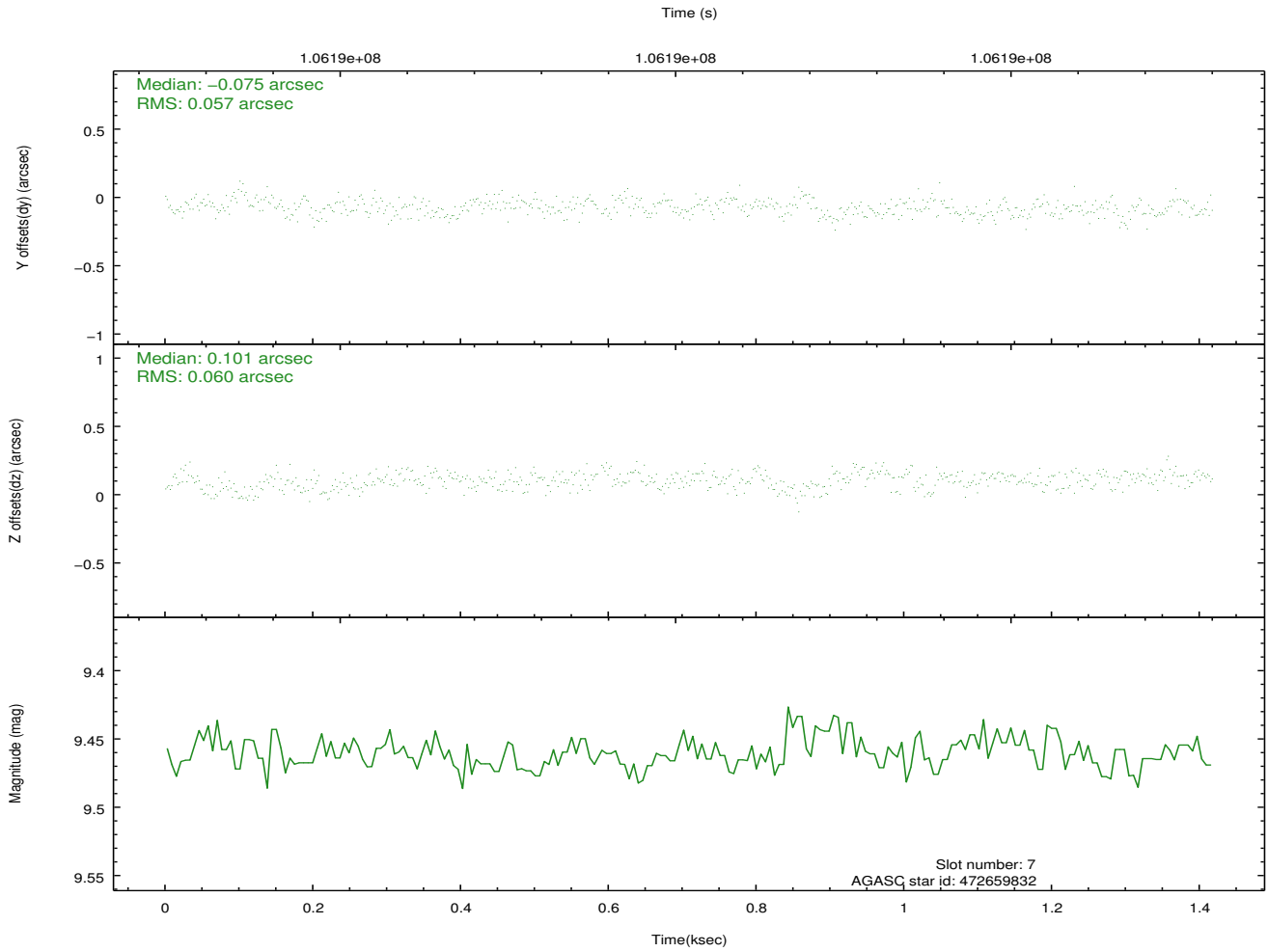
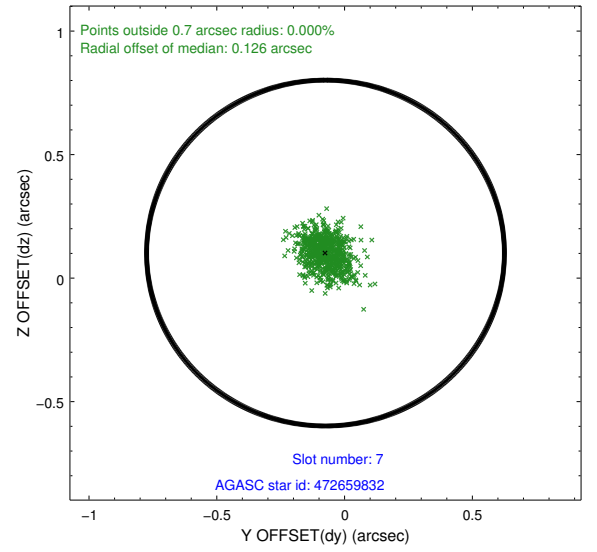
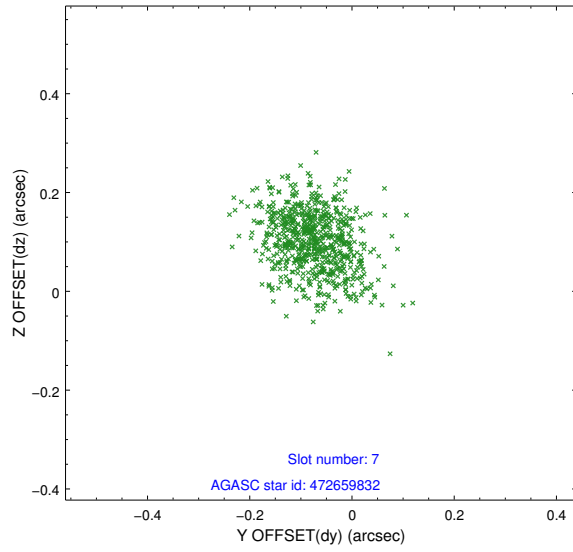
### 2.4.3 Slot 5



## 2.4.4 Slot 6

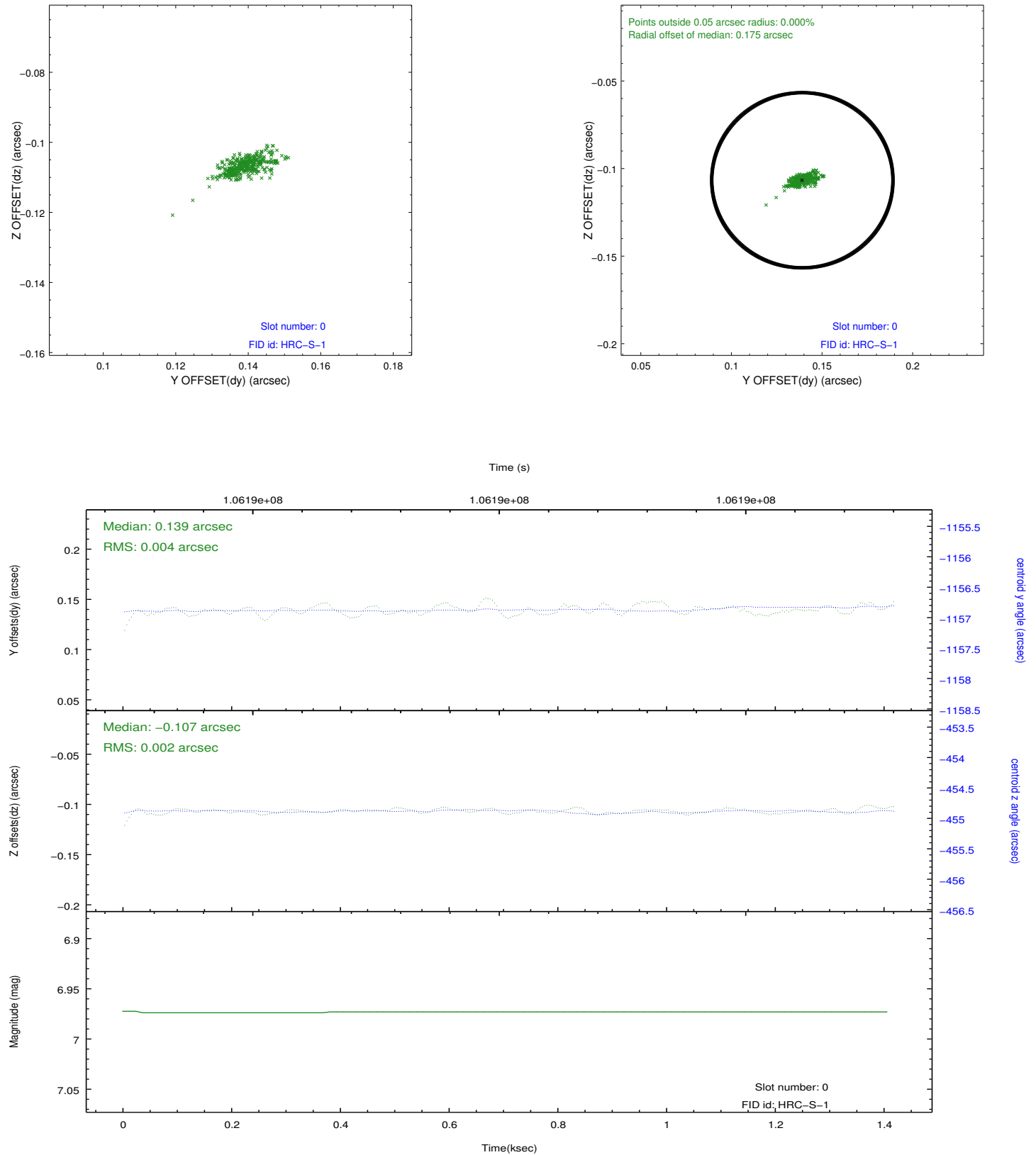


### 2.4.5 Slot 7

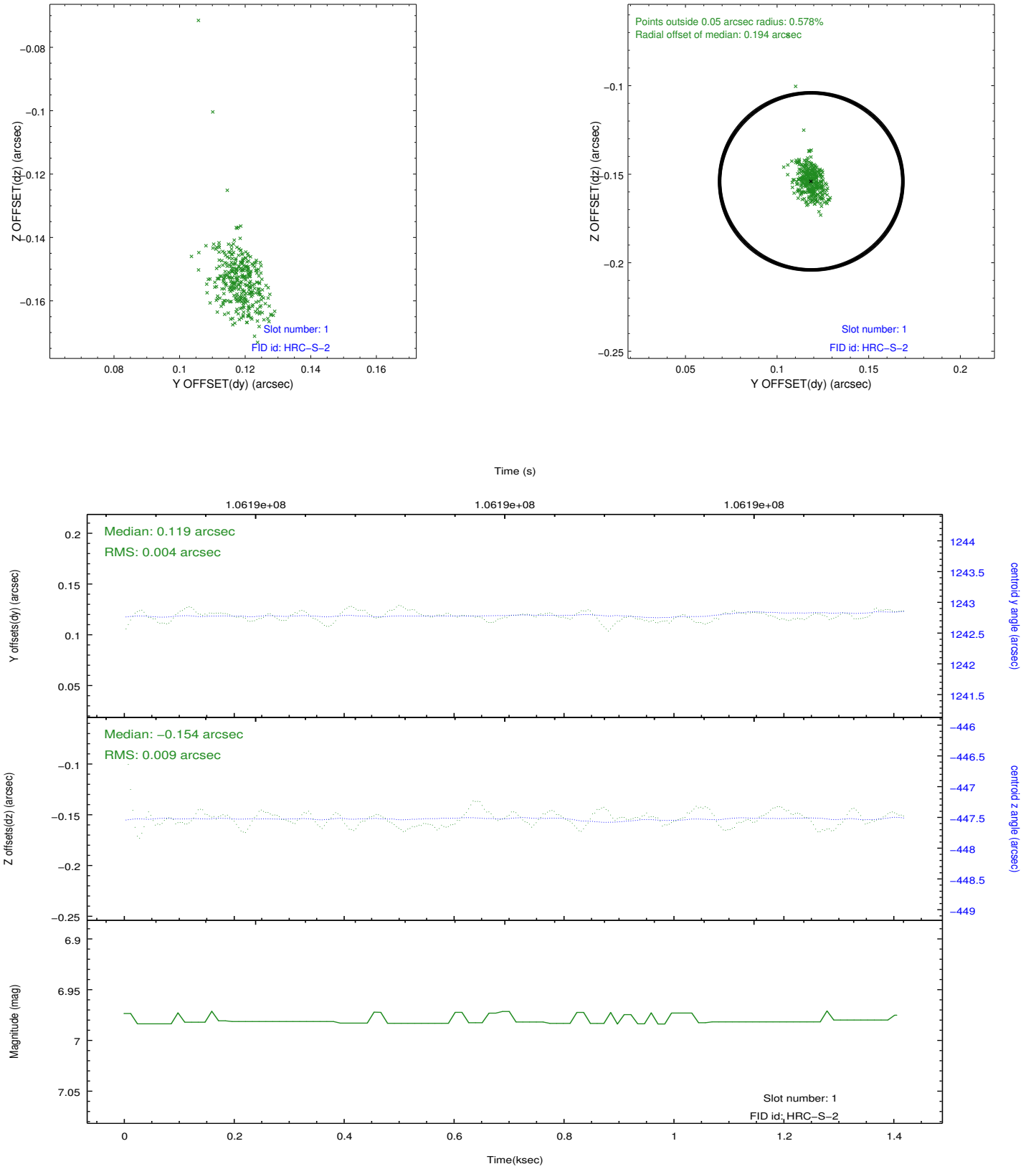


## 2.5 FID Slots

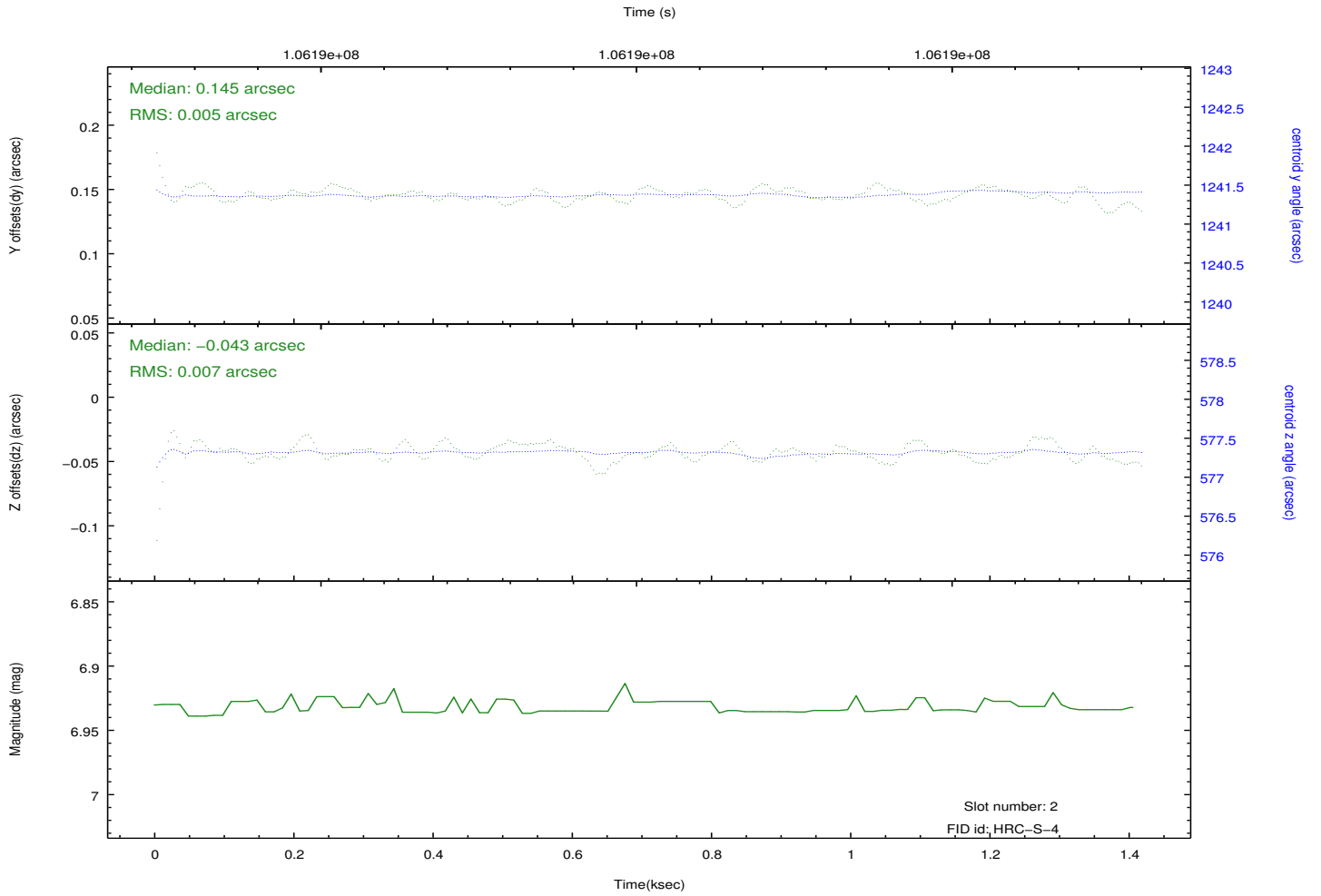
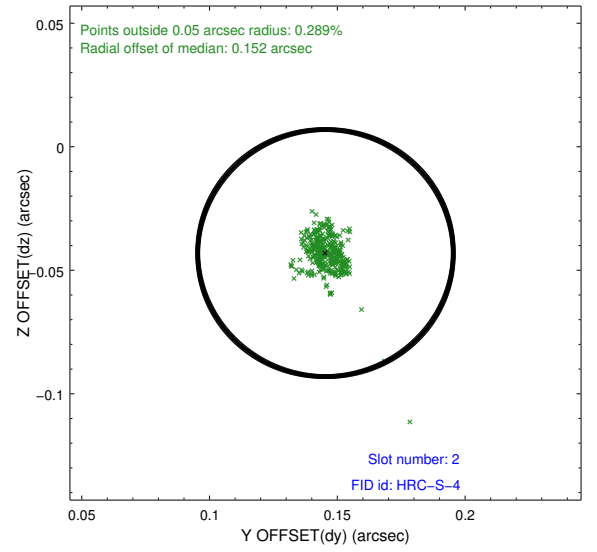
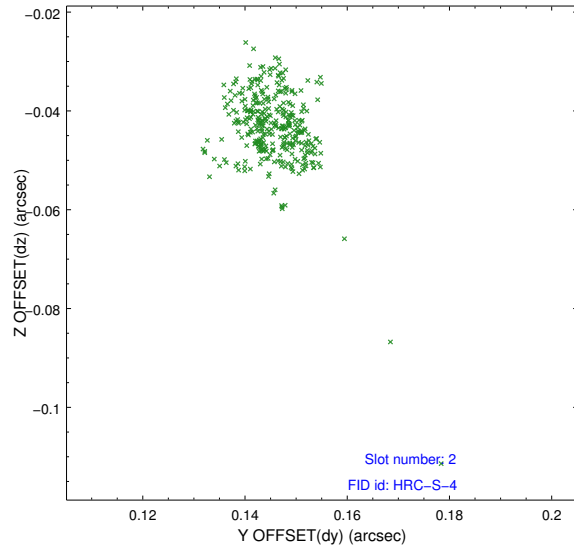
### 2.5.1 Slot 0



## 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)	2012.09.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.411

### A.2 Comments

Charge time for this ObsId remains at previous value of 1.411 ks although with the current processing the charge time would have been 1.38 ksec.