

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 2634 - L2 Version 3  
Chandra X-Ray Center

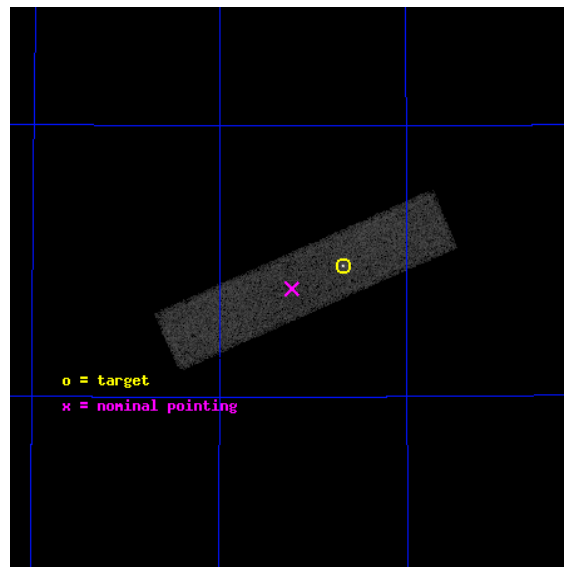
L2 Processing Date : Oct 1 2012

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# 1 Front

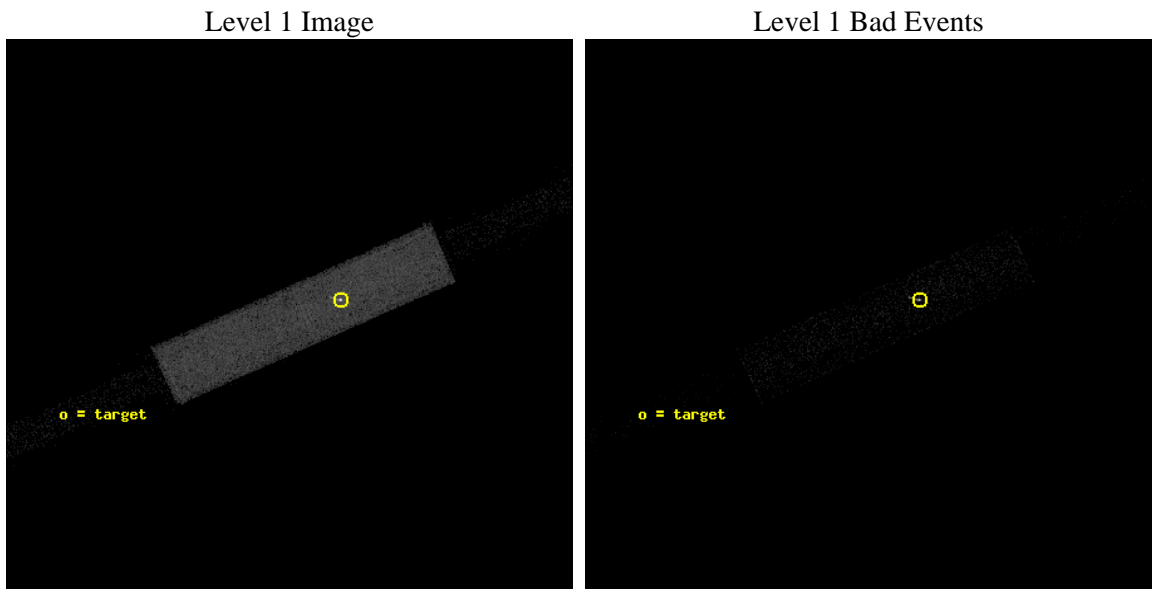
seq_num	290190	Sequence number
obs_id	2634	Observation id
title	AO3A HRC-S CALIBRATION OBSERVATION: MINI-SCAN OF ARLAC	Proposal ti
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.30643710196	Nominal RA [deg]
dec_nom	45.699843895962	Nominal Dec [deg]
roll_nom	336.18377996315	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1141.081295982	[s]
livetime	1133.9947889261	Ontime multiplied by DTCOR
l2events	49365	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	1141.081295982	[s]
caldsver	4.5.2	&#160	l1events	79849	Number of level 1 events
date	2012-10-01T03:02:42	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

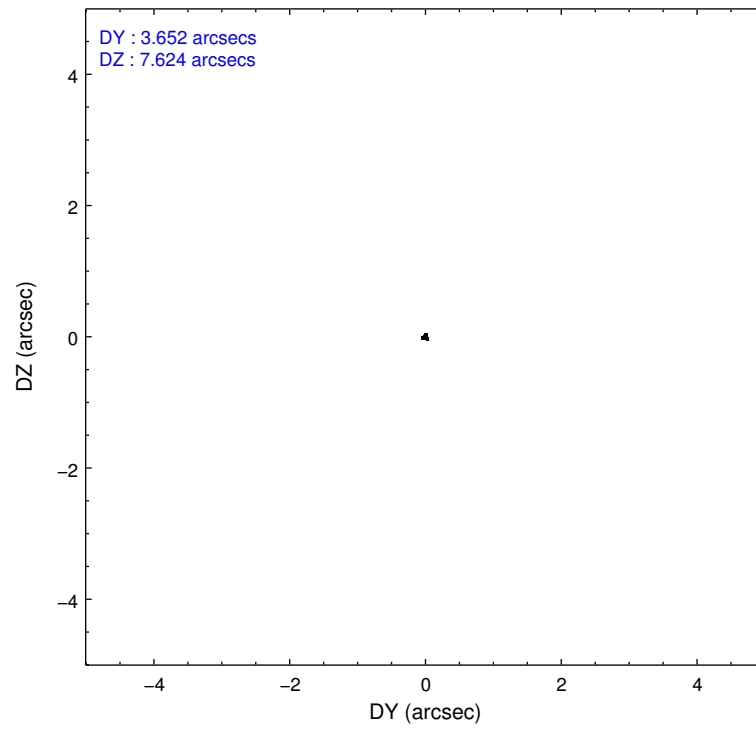
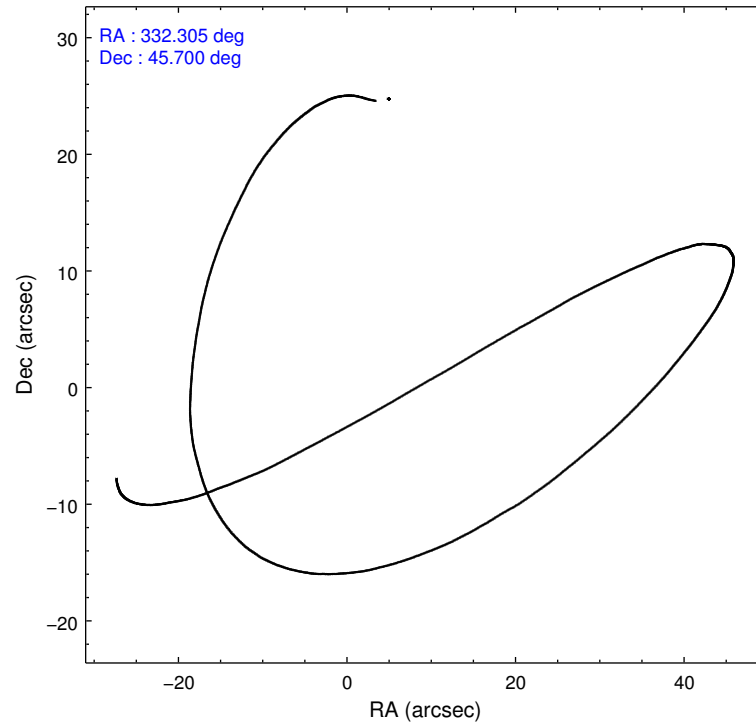
Level 1 Events

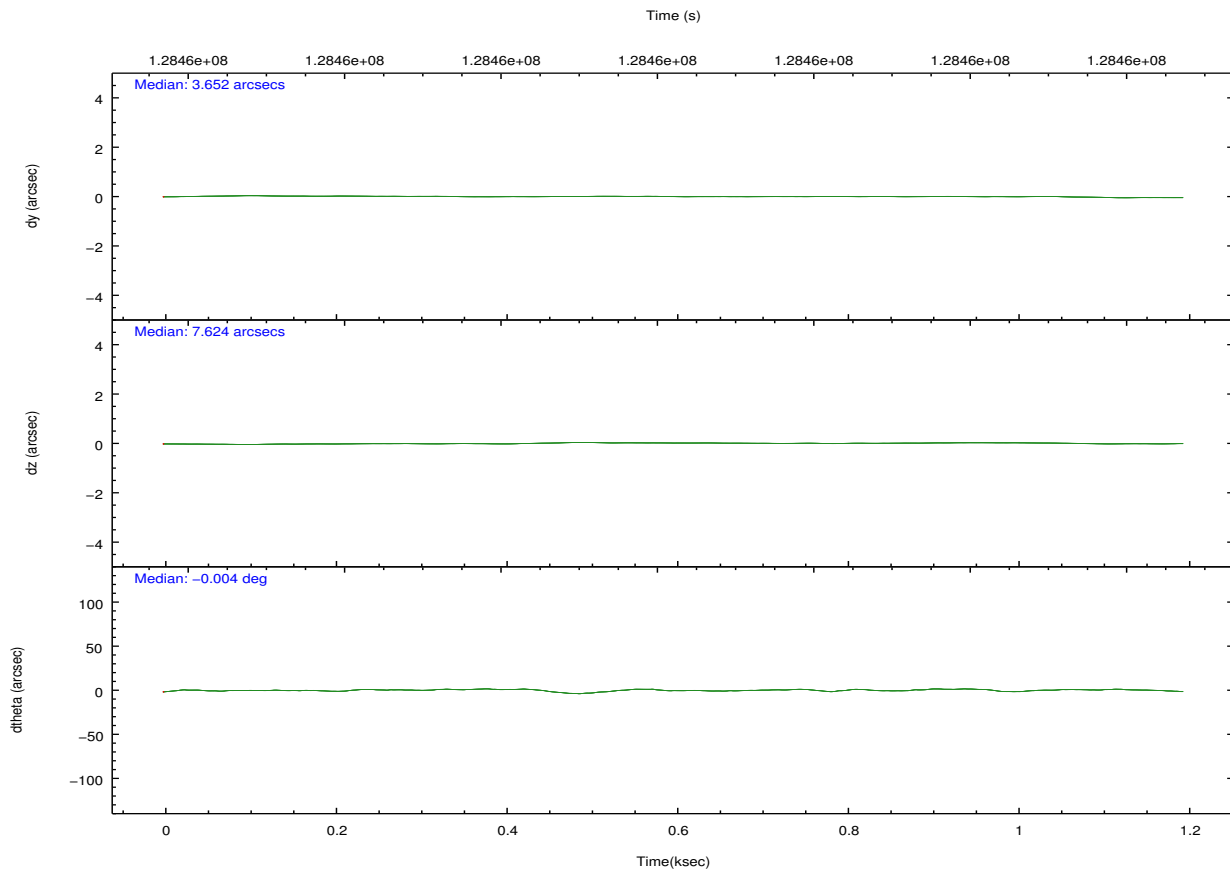
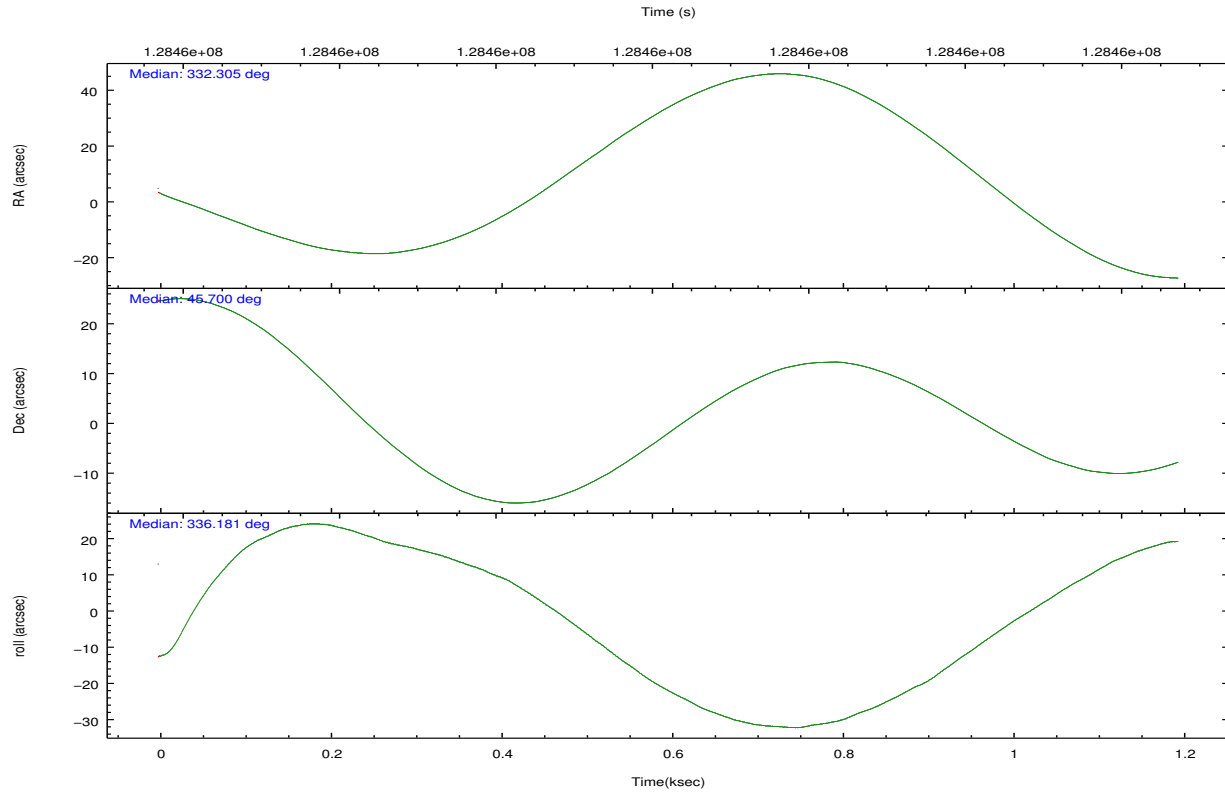
	segment 1	segment 2	segment 3
level 1 events	1110	77558	1181
rejected events	1110	18126	1181
rejected %	100%	23%	100%

## 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	332.266637	332.306437101964			
[deg] Pointing Dec	45.695401	45.6998438959618			
[deg] Pointing Roll	336.145128	336.183779963145			
[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)	128455617.184000	128455241.15134			
Observation start date	2002-01-26T18:05:53	2002-01-26T18:00:41			
[s] Observation end time (MET)	128456617.184000	128456750.9764			
Observation end date	2002-01-26T18:22:33	2002-01-26T18:25:50			

## 2.3 Aspect





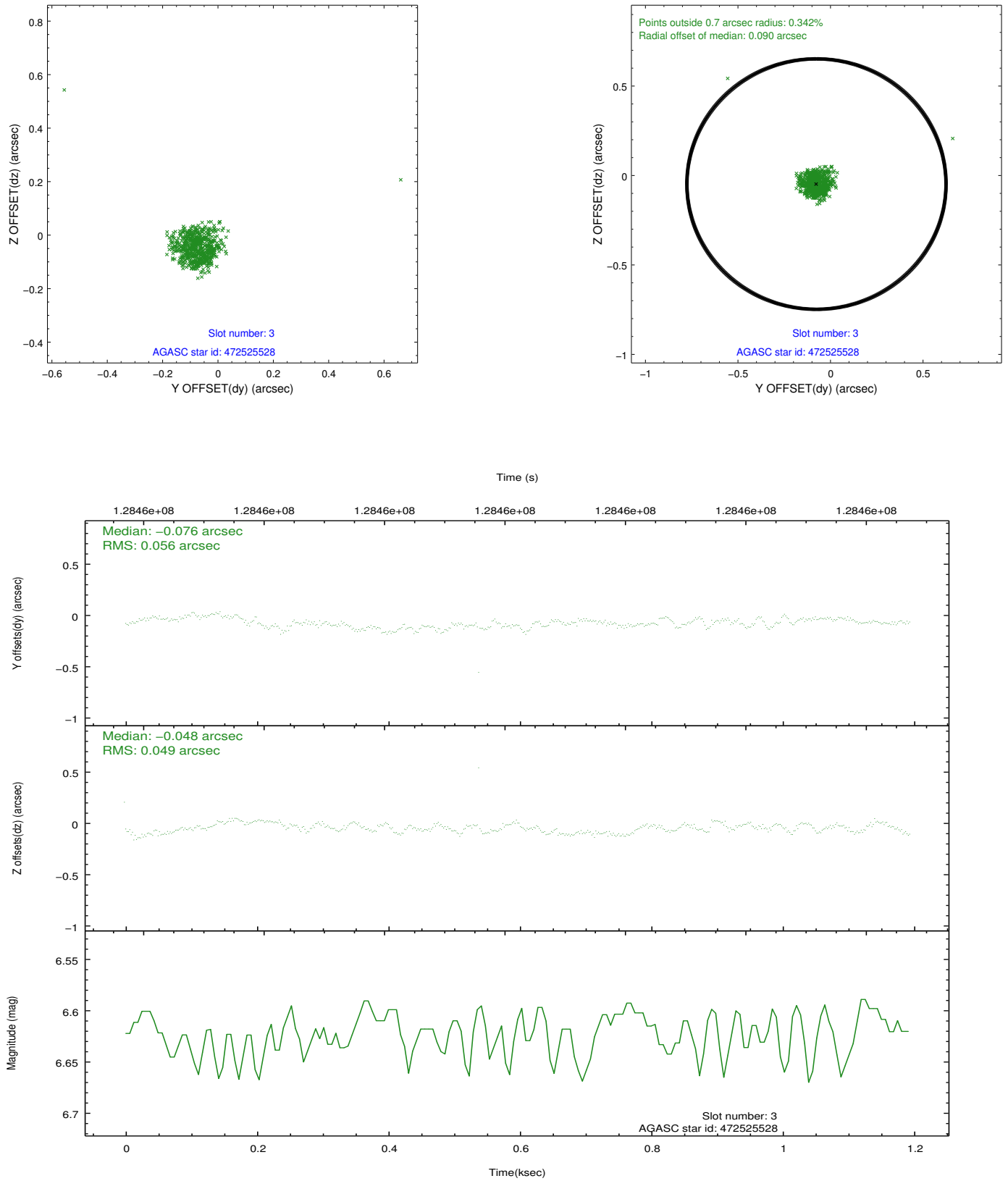
### Slot Statistics

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	292	0.152	-0.085	0.009	0.021	0.000000	0.000000	-1157.68	-456.16
1	FID	HRC-S-2	6.98	292	0.075	-0.087	0.007	0.012	0.000000	0.000000	1237.95	-450.34
2	FID	HRC-S-3	7.01	292	0.163	-0.129	0.009	0.025	0.000000	0.000000	-1156.17	571.77
3	GUIDE	472525528	6.62	584	-0.076	-0.048	0.065	0.099	331.551102	45.248694	-1010.49	-2196.66
4	GUIDE	472523760	8.24	584	-0.085	-0.148	0.064	0.119	331.645363	45.403260	-1014.07	-1595.11
5	GUIDE	472659832	9.46	583	-0.034	0.082	0.123	0.316	332.780399	46.098139	584.01	1846.12
6	GUIDE	472655152	9.43	583	0.024	0.083	0.096	0.156	332.504239	45.862991	302.39	797.03
7	GUIDE	472646552	9.64	580	0.186	0.033	0.114	0.193	333.120915	45.571877	2145.80	476.35

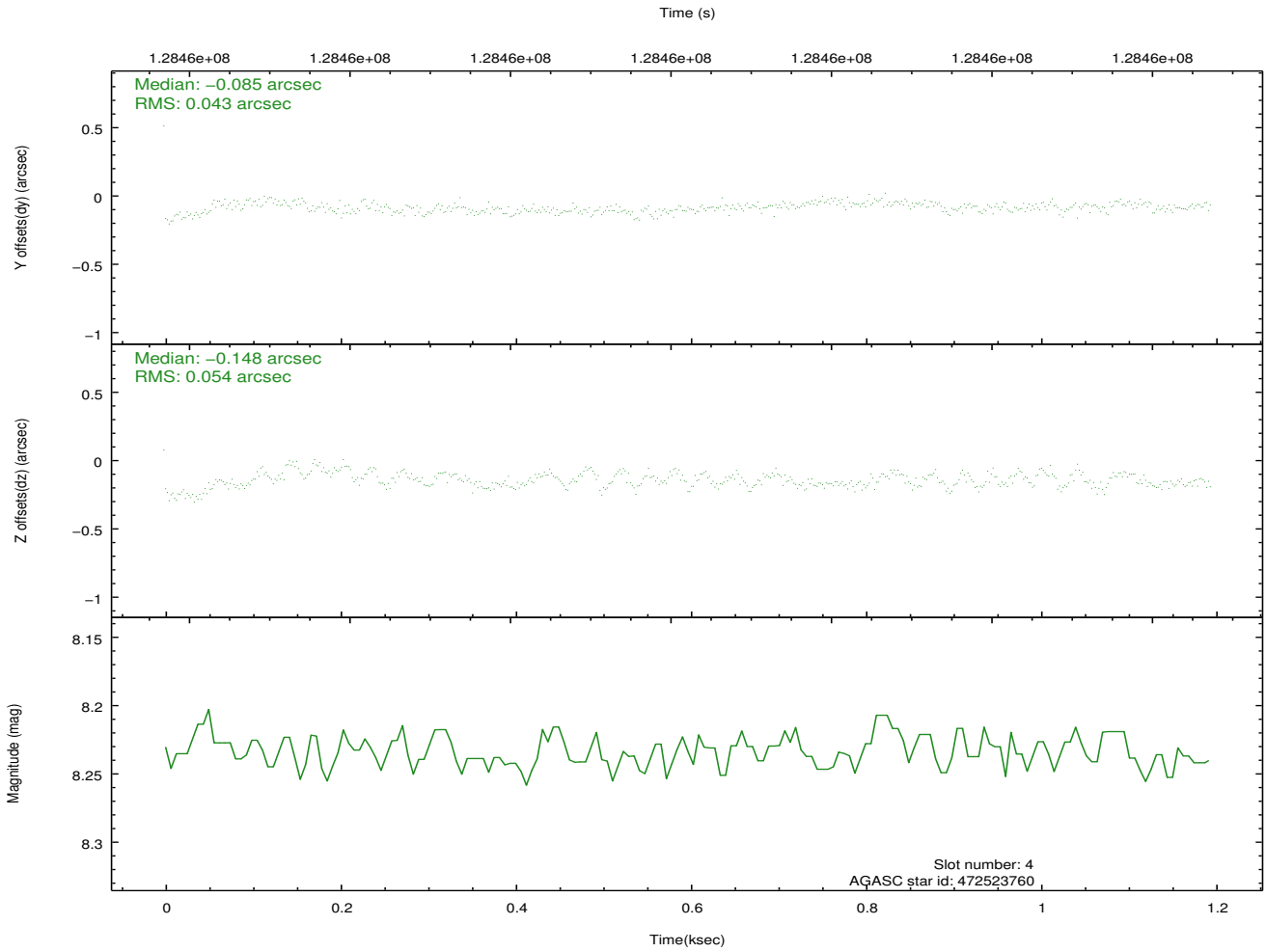
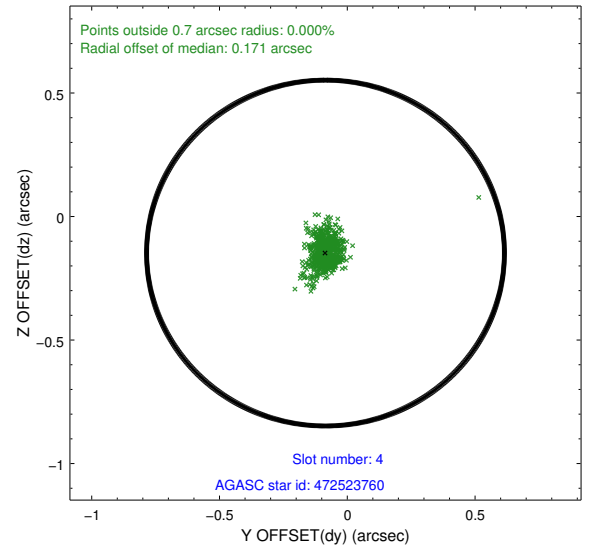
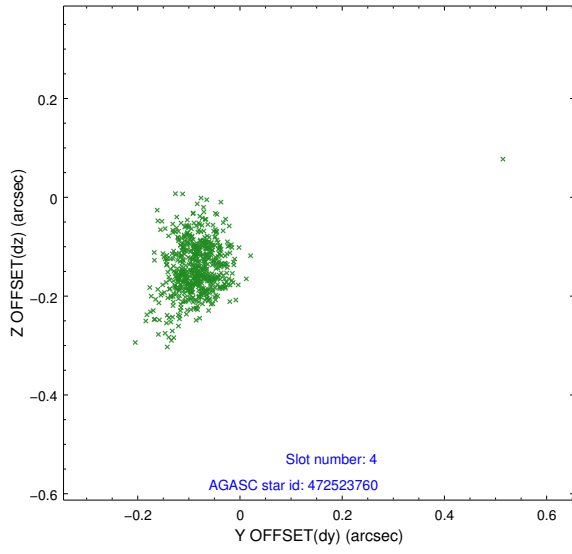


## 2.4 Star Slots

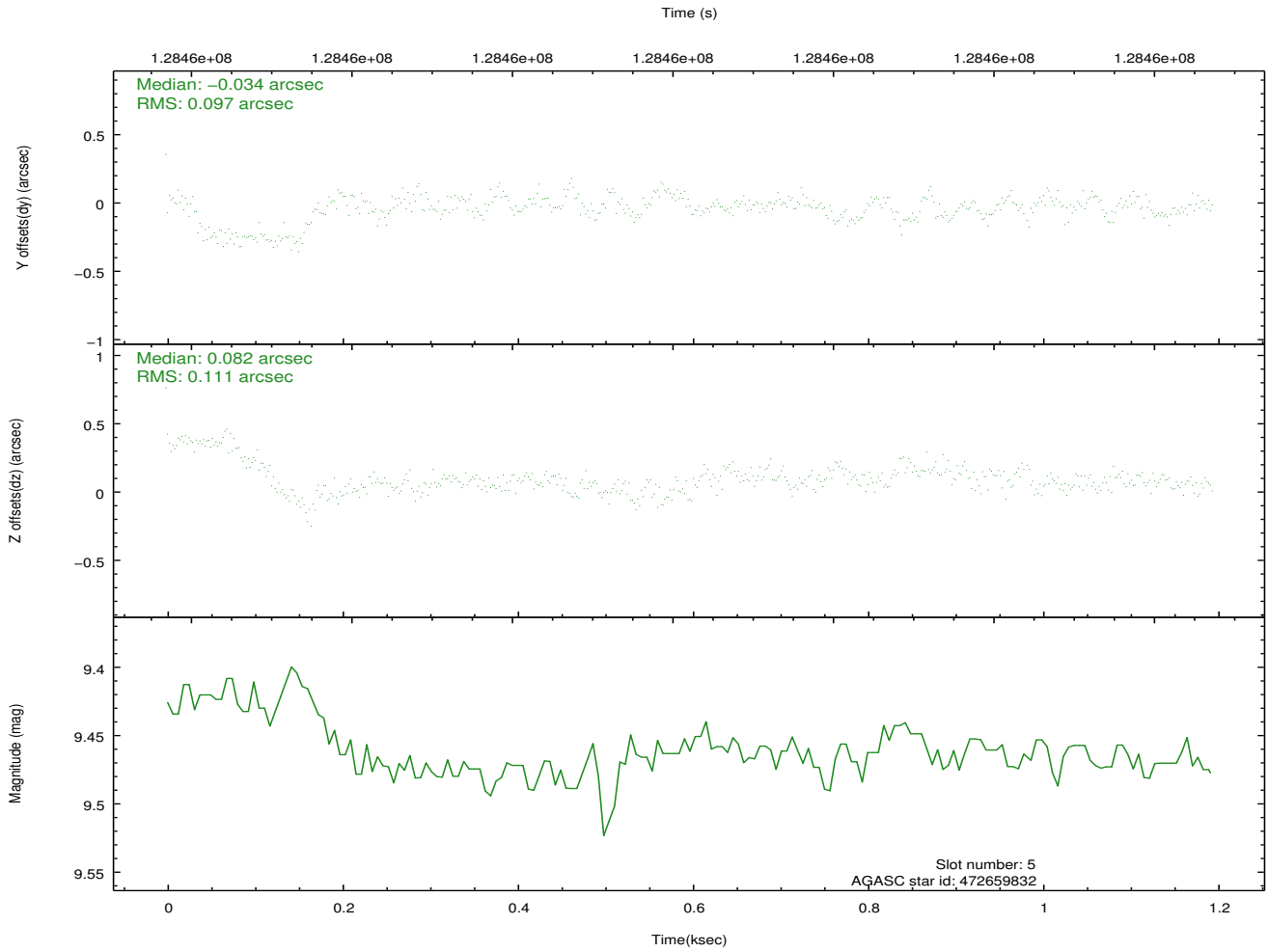
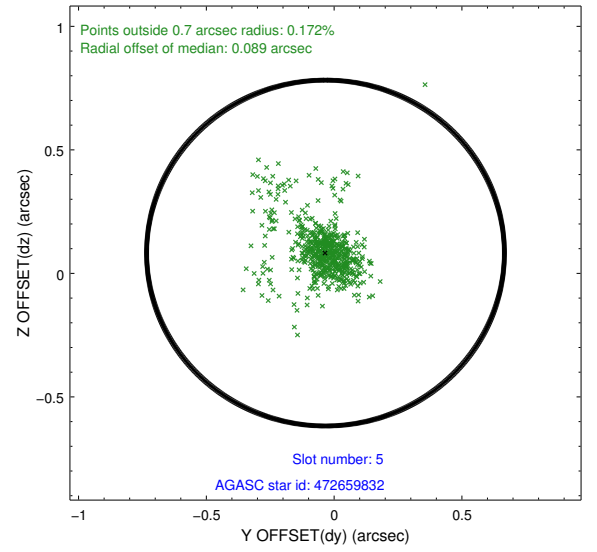
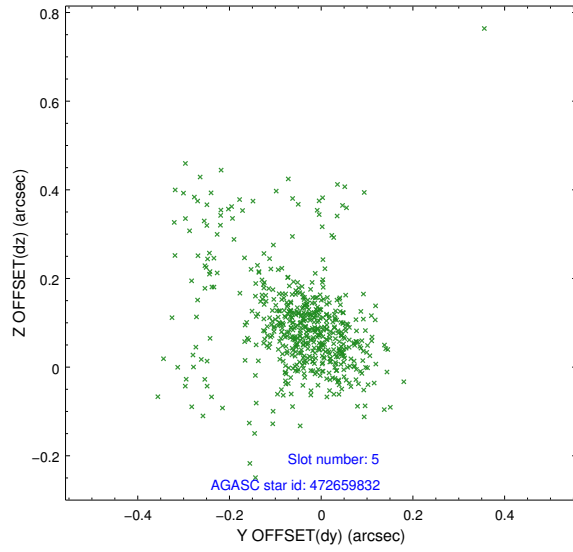
### 2.4.1 Slot 3



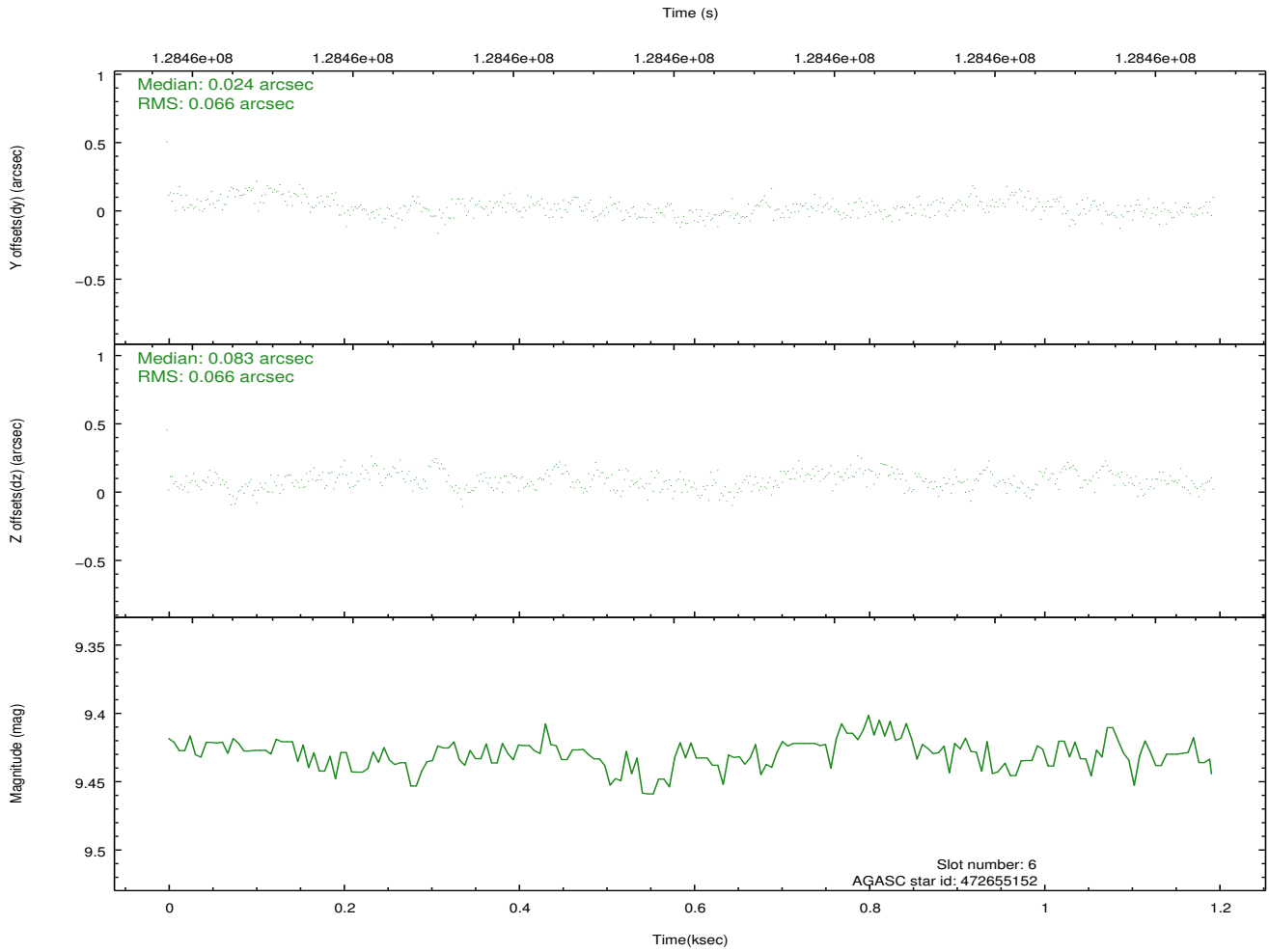
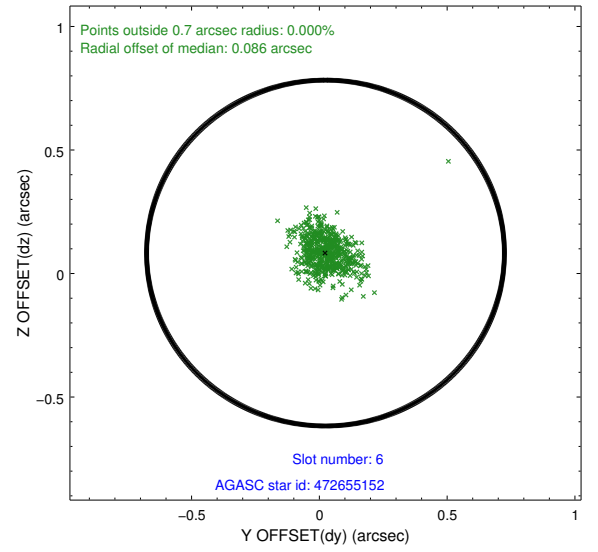
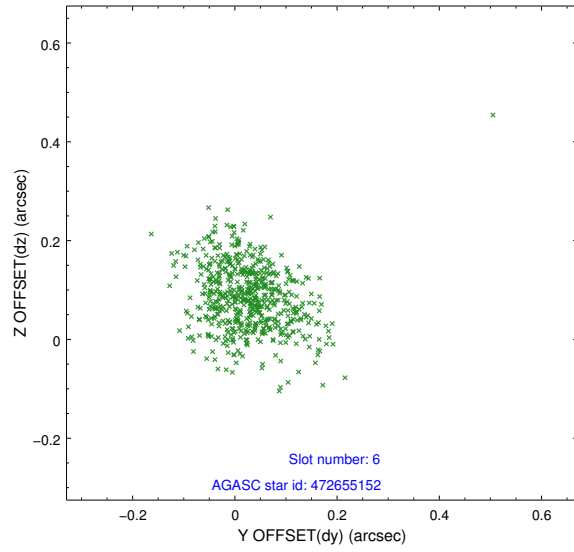
## 2.4.2 Slot 4



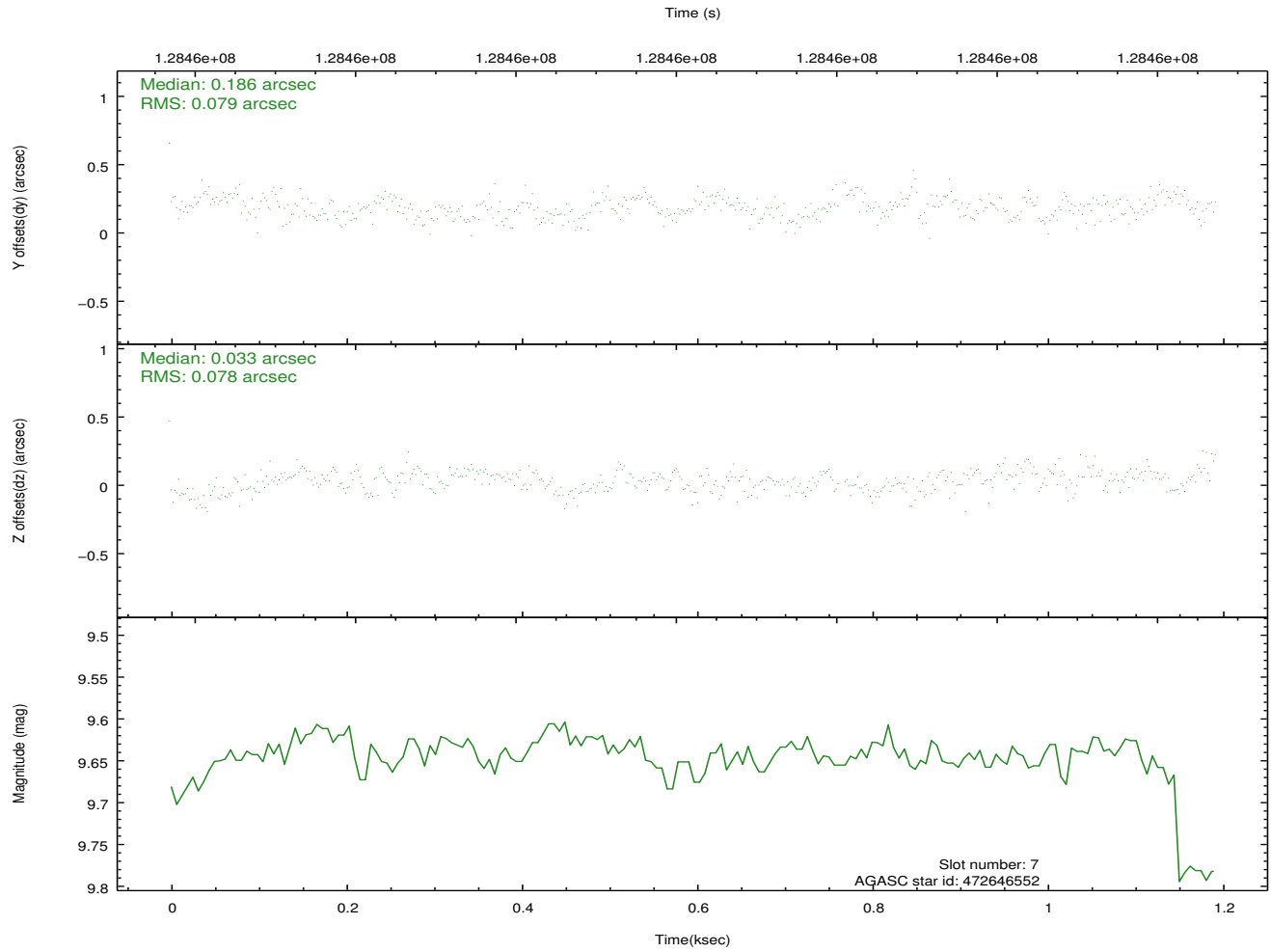
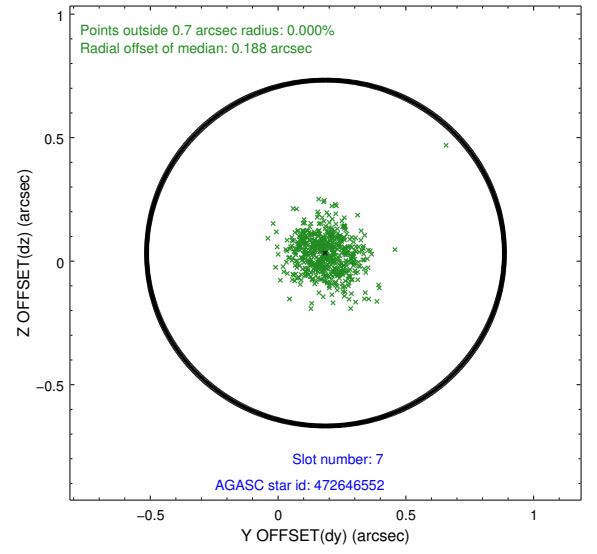
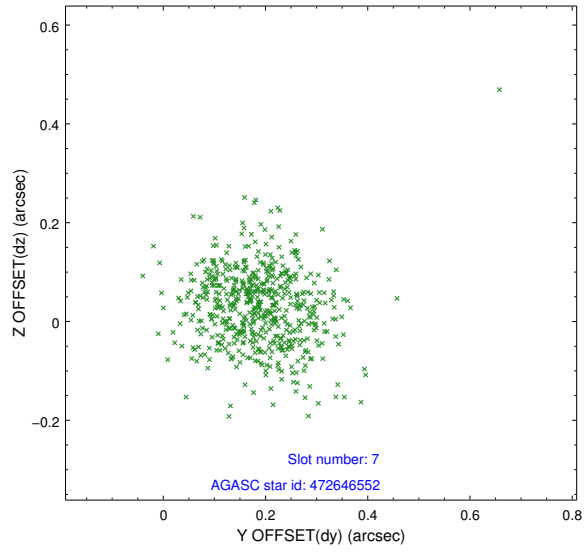
### 2.4.3 Slot 5



## 2.4.4 Slot 6

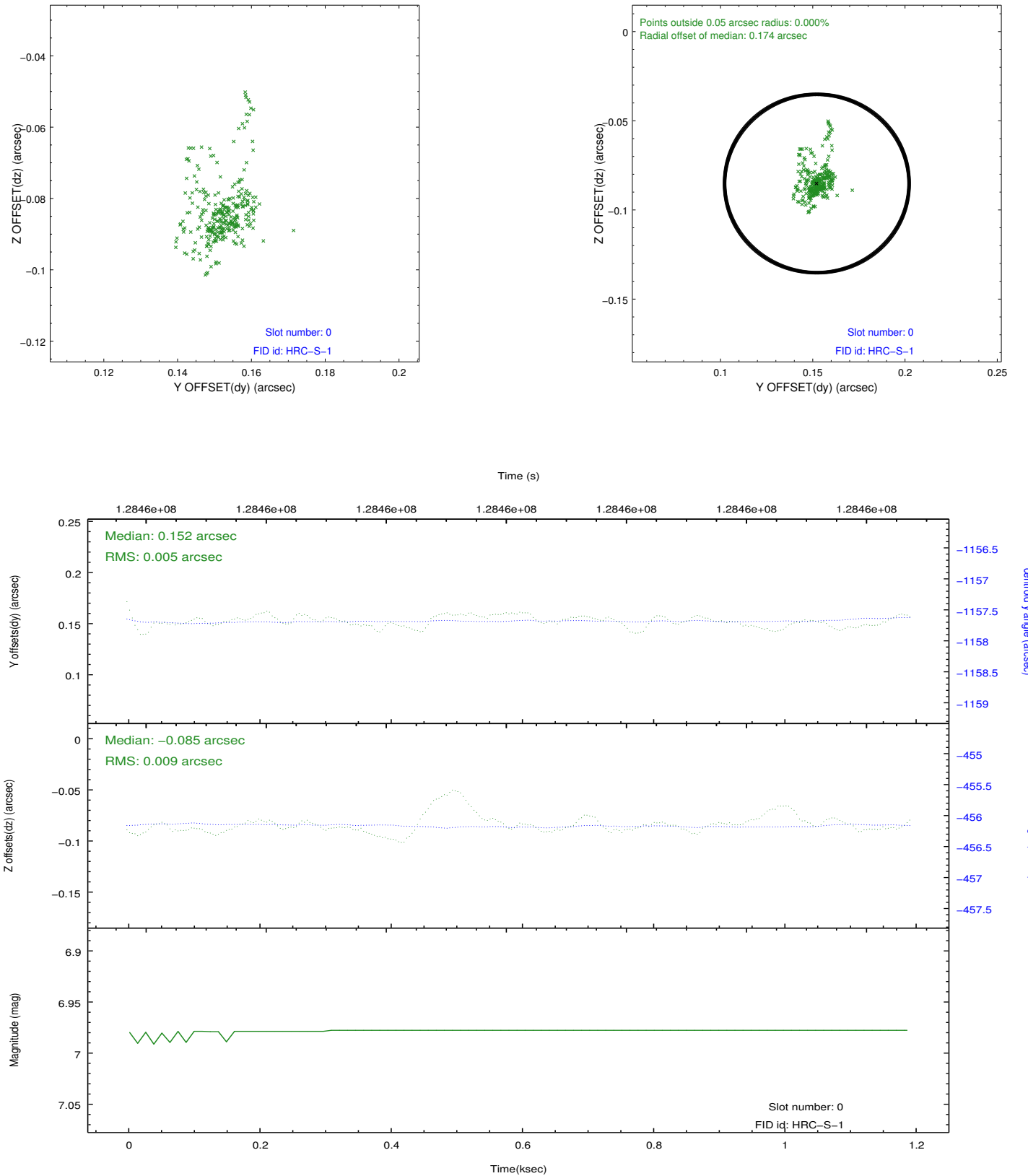


## 2.4.5 Slot 7

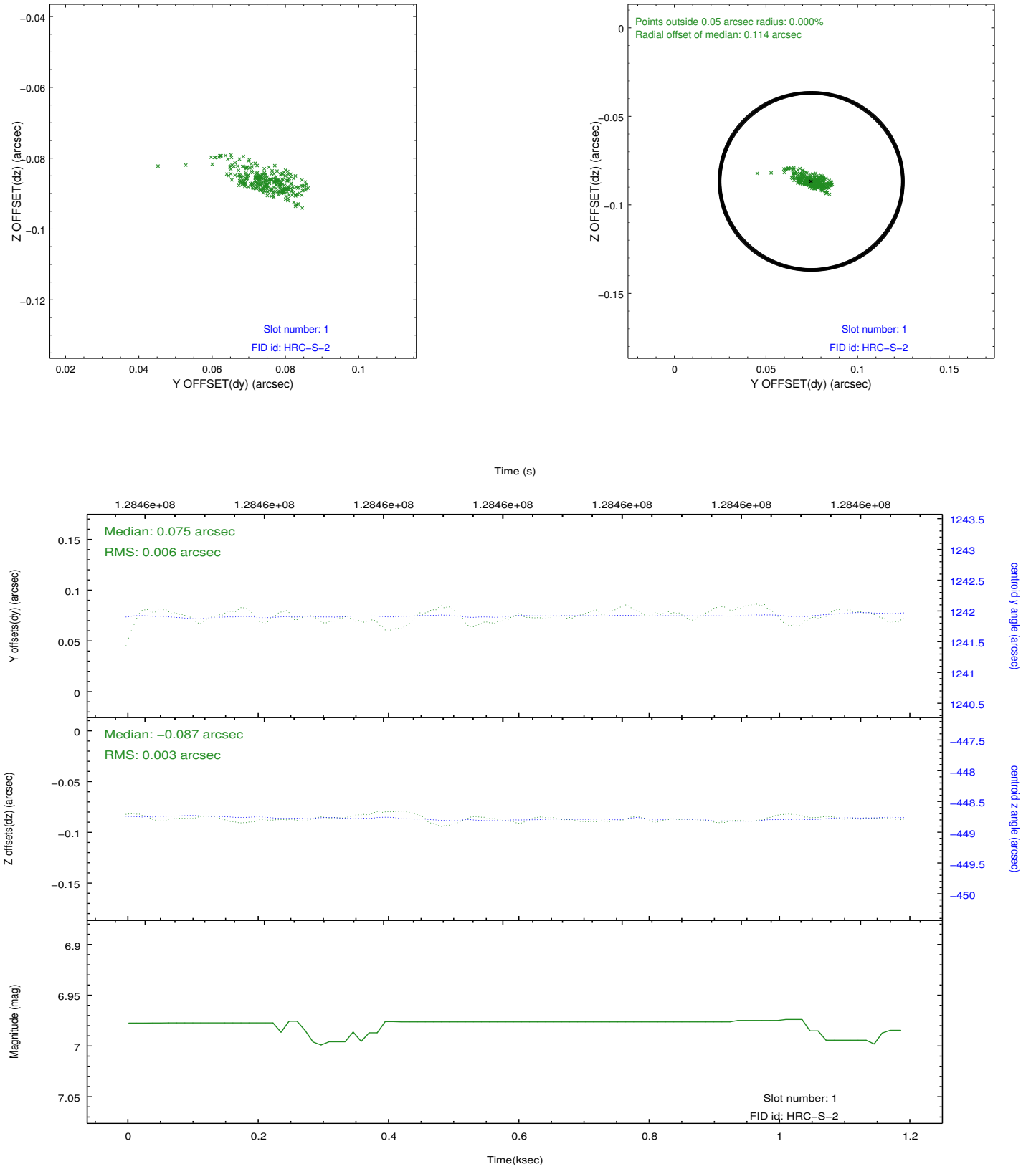


## 2.5 FID Slots

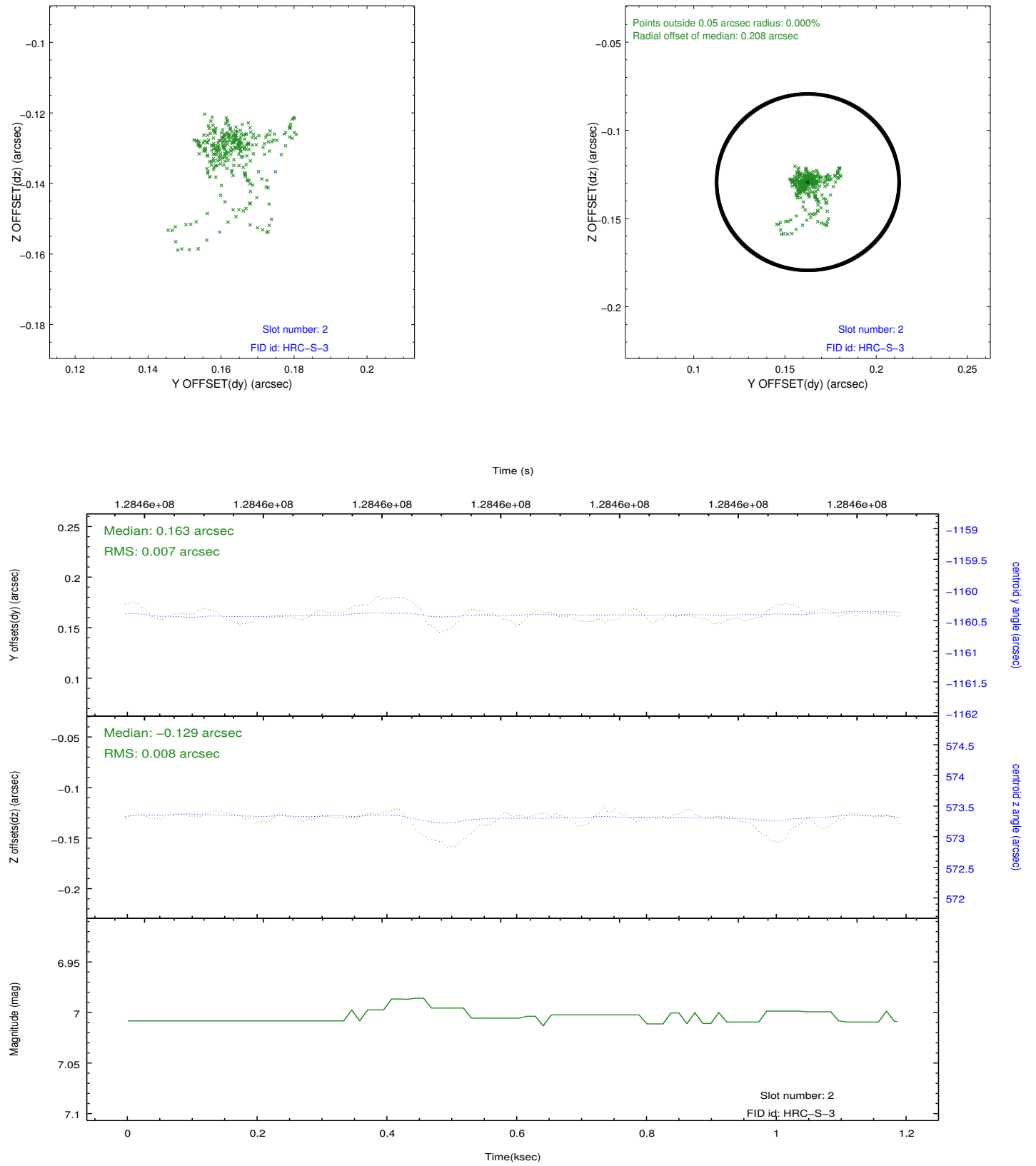
### 2.5.1 Slot 0



## 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	1.194

## A.2 Comments

Charge time for this ObsId remains at previous value of 1.194 ks although with the current processing the charge time would have been 1.14 ksec. Monitor constraint met.