

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 3047 - L2 Version 3  
Chandra X-Ray Center

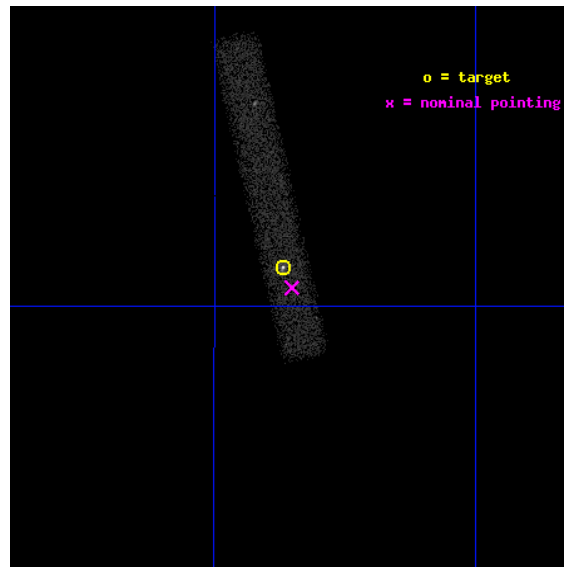
L2 Processing Date : Oct 7 2012

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# 1 Front

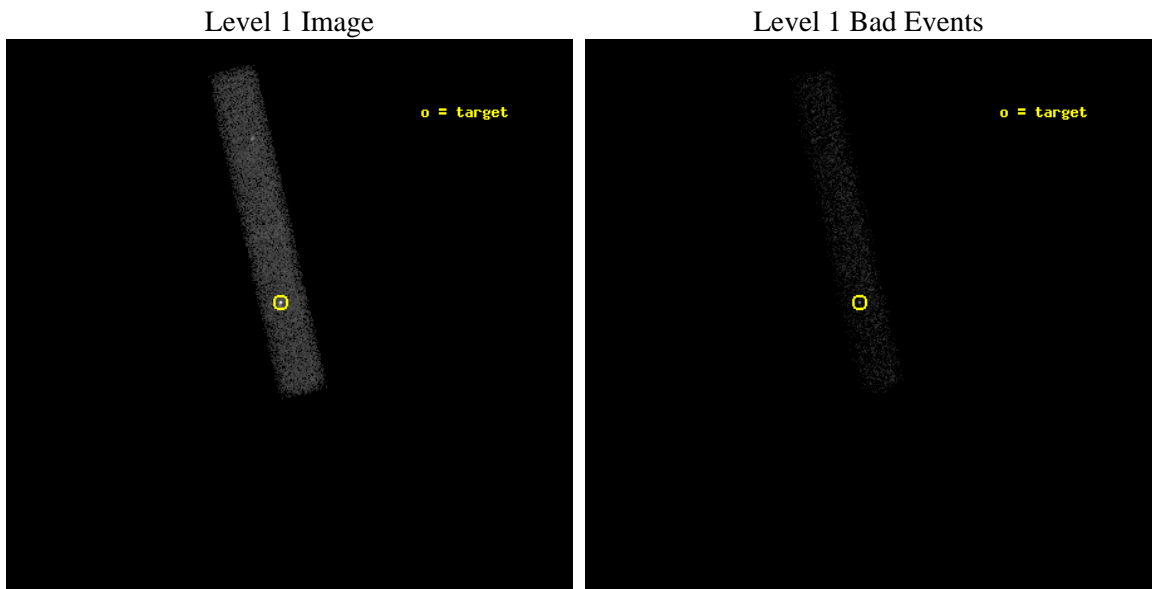
seq_num	700486	Sequence number
obs_id	3047	Observation id
title	X-RAY IMAGING OF QUASAR JETS	Proposal title
observer	Professor Alan Marscher	Principal investigator
object	0827+243	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	127.717083	Observer's specified target RA [deg]
dec_targ	24.183278	Observer's specified target Dec [deg]
ra_nom	127.71292066311	Nominal RA [deg]
dec_nom	24.174360969339	Nominal Dec [deg]
roll_nom	257.22540534624	Nominal Roll [deg]
revision	3	Processing version of data
ontime	20142.000300109	Sum of GTIs [s]
livetime	18267.73109025	Livetime [s]
ontime7	20142.000300109	Sum of GTIs [s]
l2events	17408	Number of level 2 events



## 2 OBI

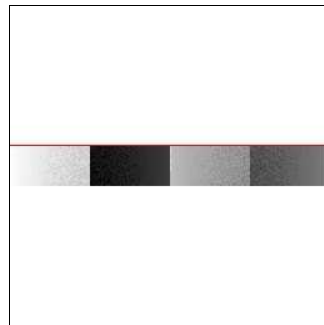
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	20142.000300109	Sum of GTIs [s]
caldbver	4.5.2	&#160	ontime7	20142.000300109	Sum of GTIs [s]
date	2012-10-07T08:43:07	Date and time of file creation	l1events	31517	Number of level 1 events
revision	3	Processing version of data			

### 2.1.4 Events

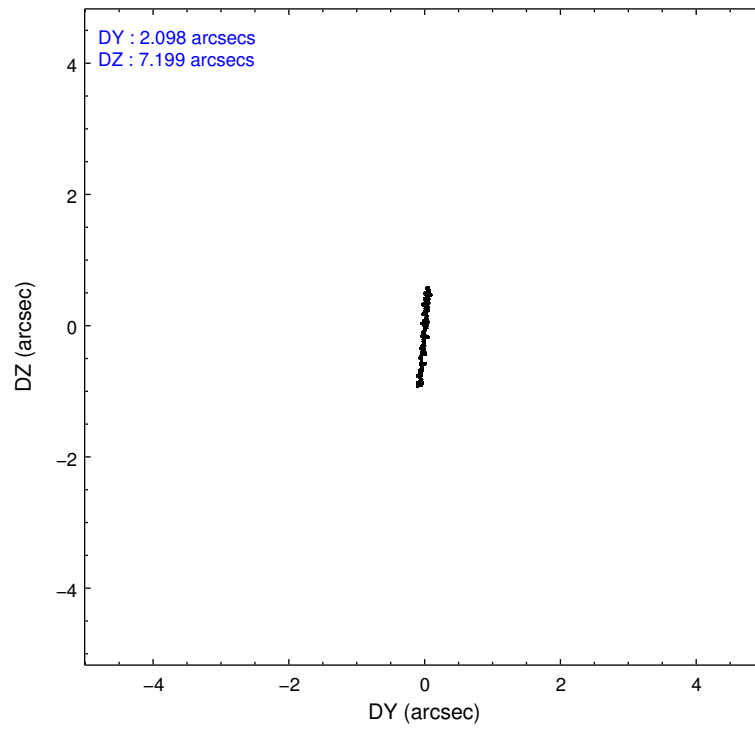
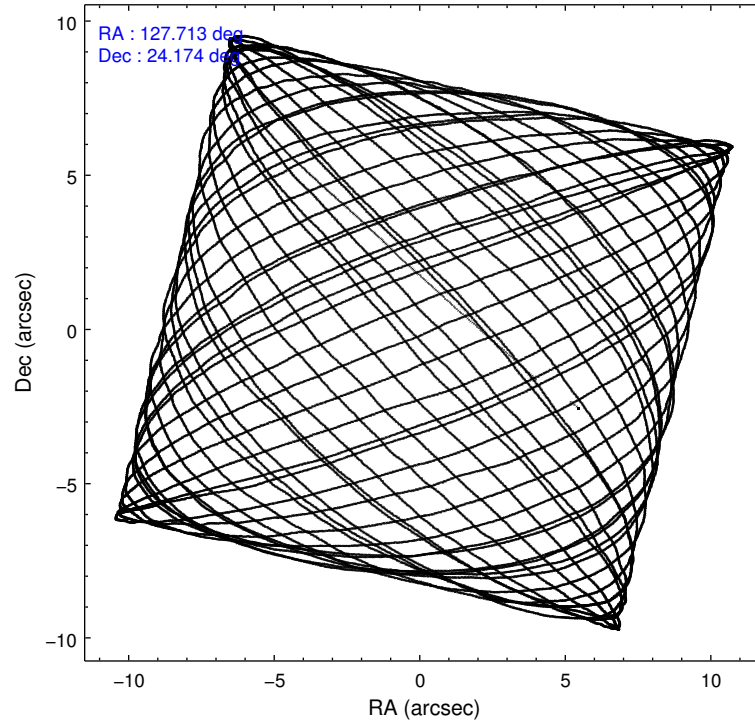
	<b>ccd 7</b>
level 1 events	31517
rejected events	13632
rejected %	43%

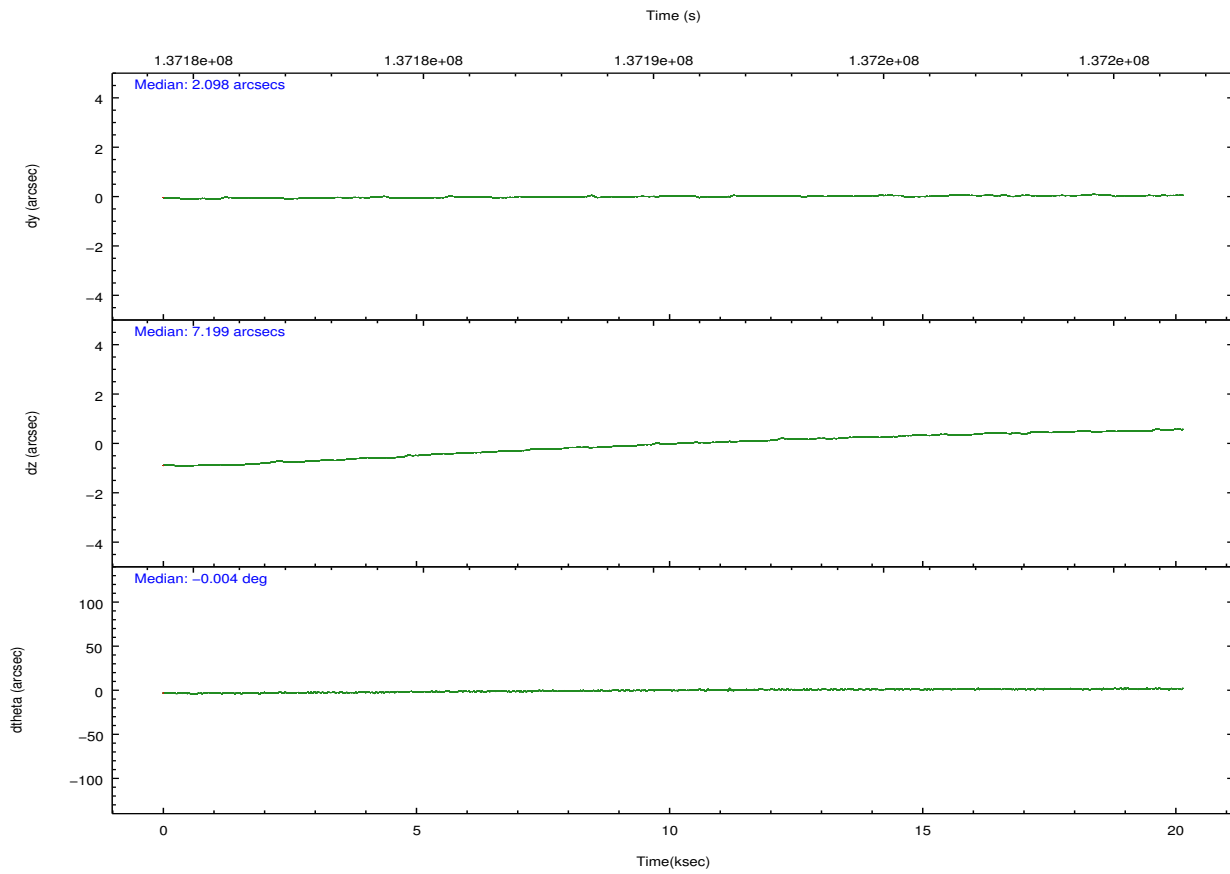
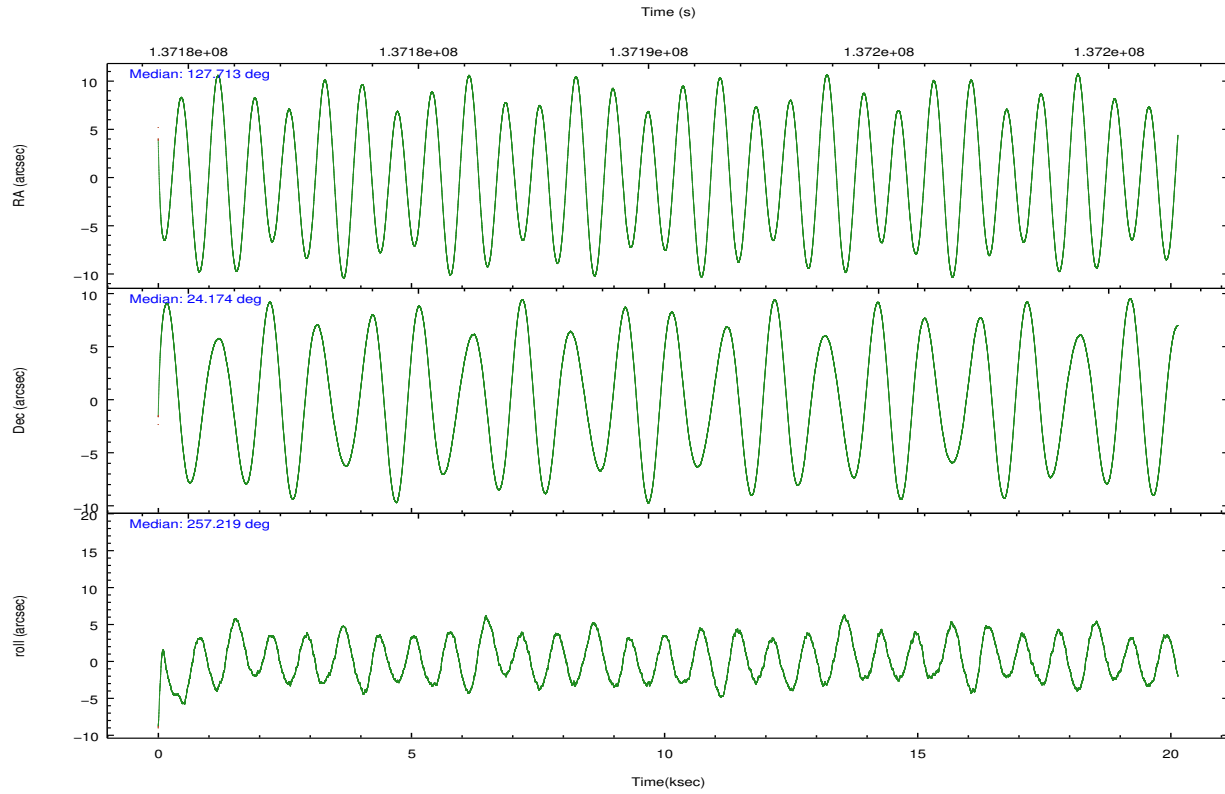
	<b>ccd 7</b>
grade 0 events	3536
	11%
grade 1 events	51
	0%
grade 2 events	3975
	12%
grade 3 events	2375
	7%
grade 4 events	2179
	6%
grade 5 events	2386
	7%
grade 6 events	6296
	19%
grade 7 events	10719
	34%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	127.703737	127.7129206631101	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	24.200263	24.17436096933868	Subarray start row	449	449
[deg] Pointing Roll	257.072540	257.2254053462402	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.4
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	137180492.184000	137179458.27984			
Observation start date	2002-05-07T17:40:28	2002-05-07T17:24:18			
[s] Observation end time (MET)	137200492.184000	137201158.55572			
Observation end date	2002-05-07T23:13:48	2002-05-07T23:25:58			
Read mode	TIMED	TIMED			

## 2.3 Aspect



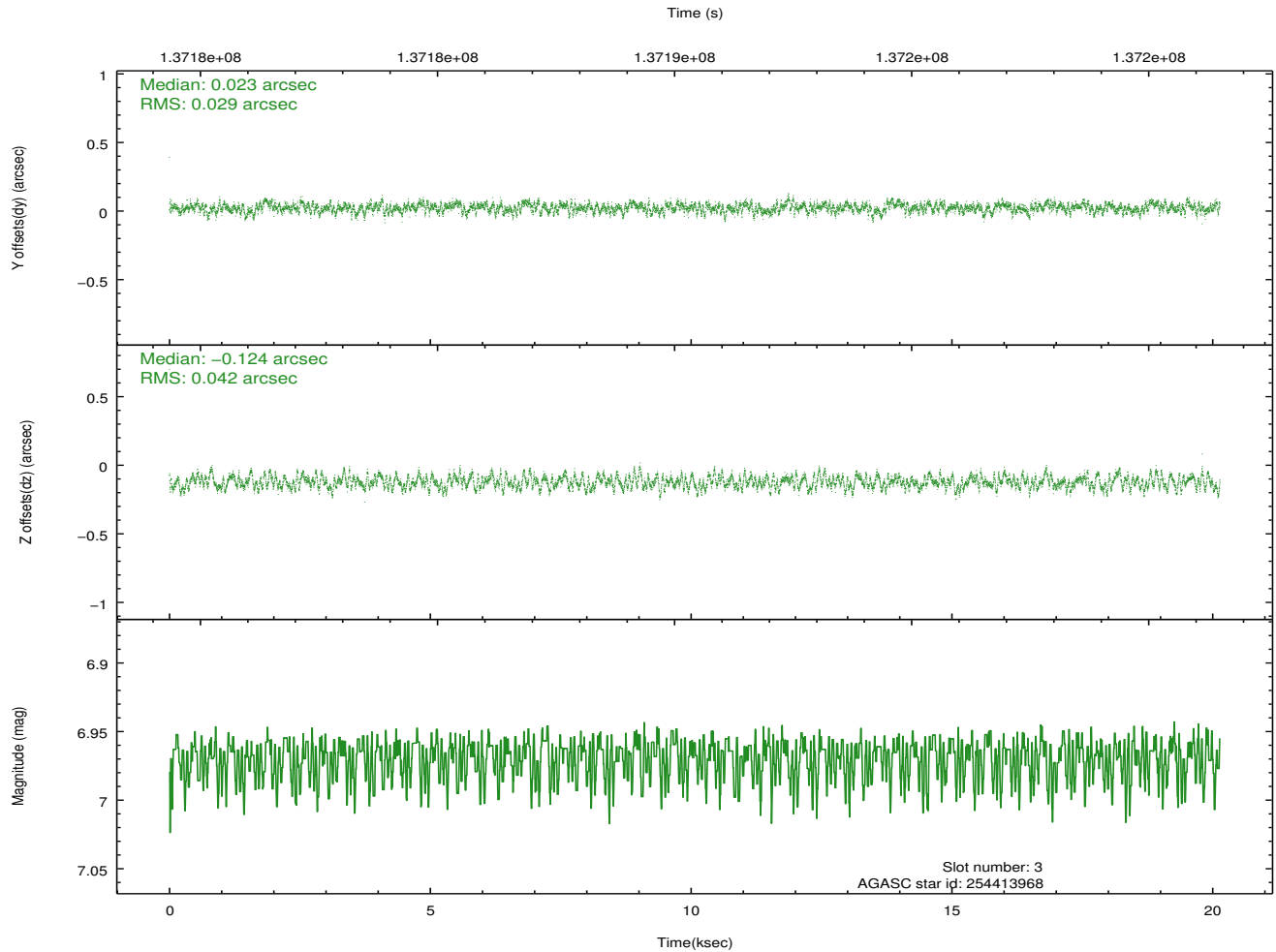
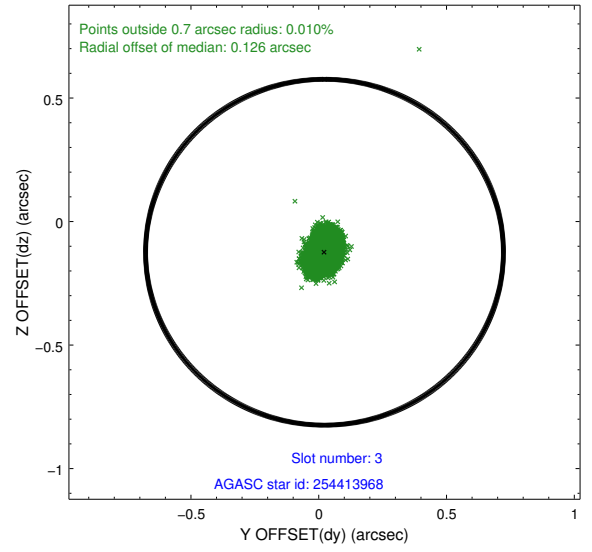
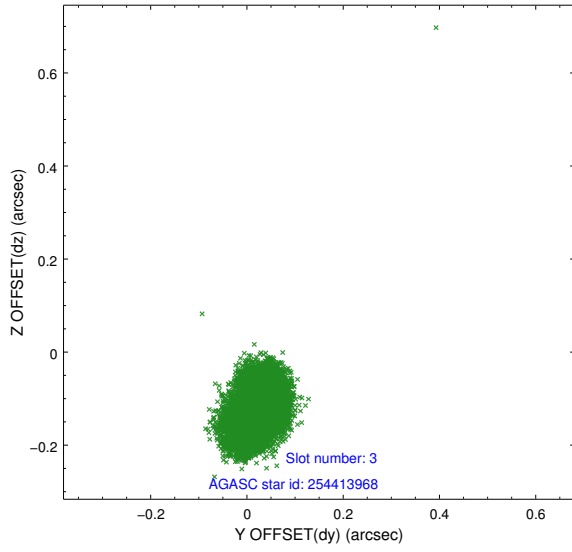


### Slot Statistics

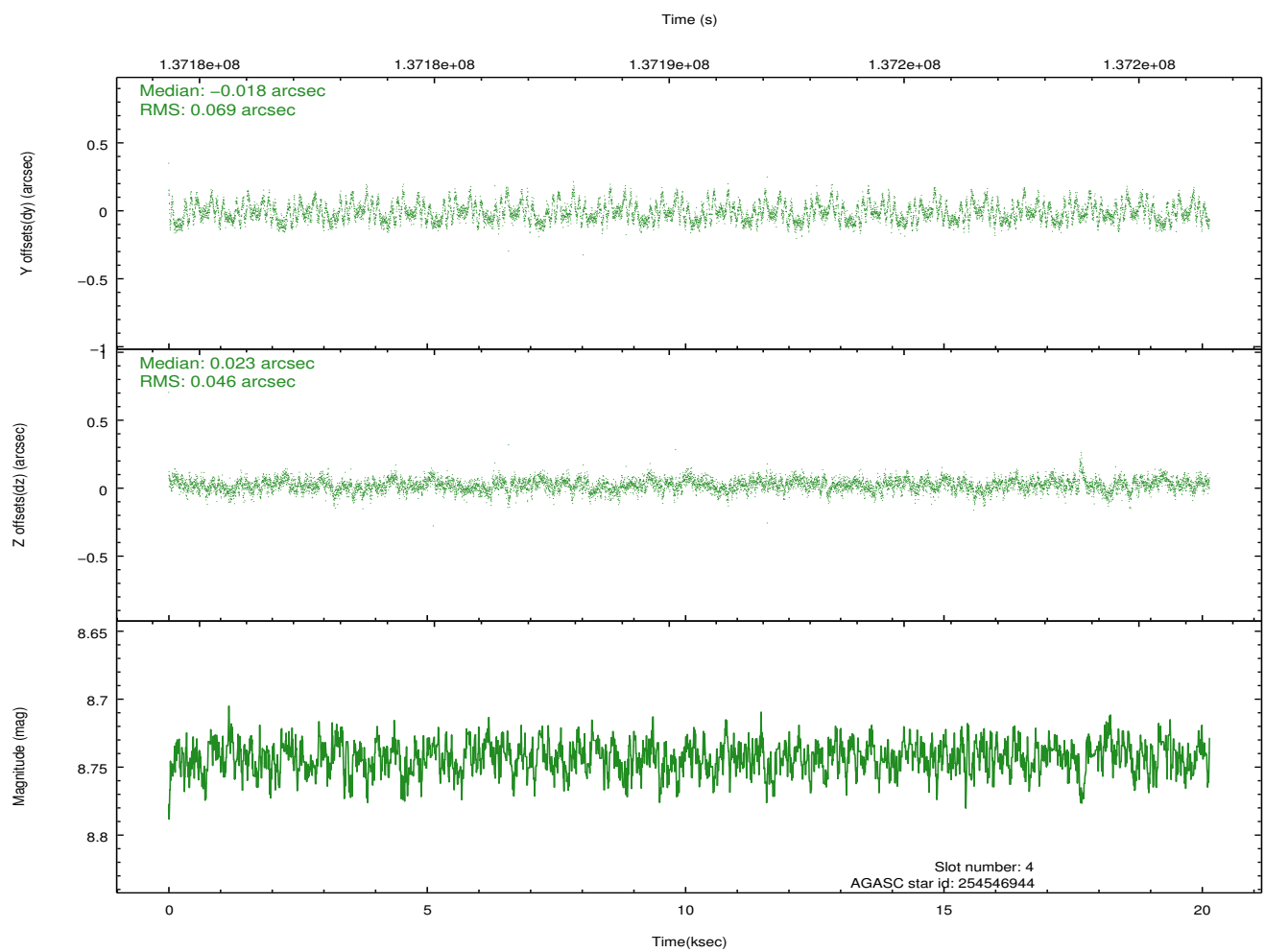
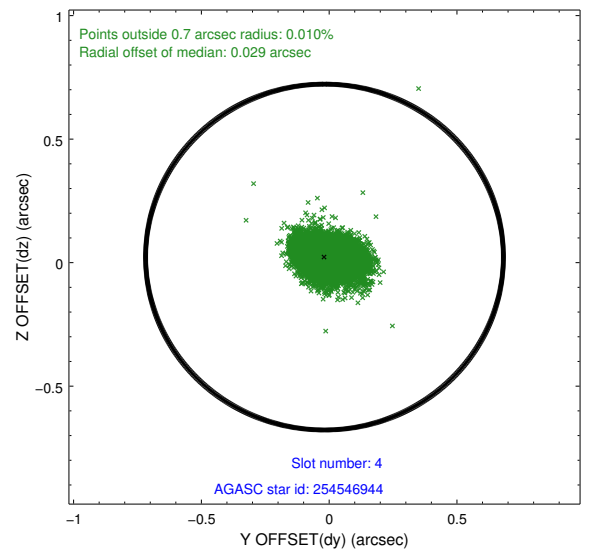
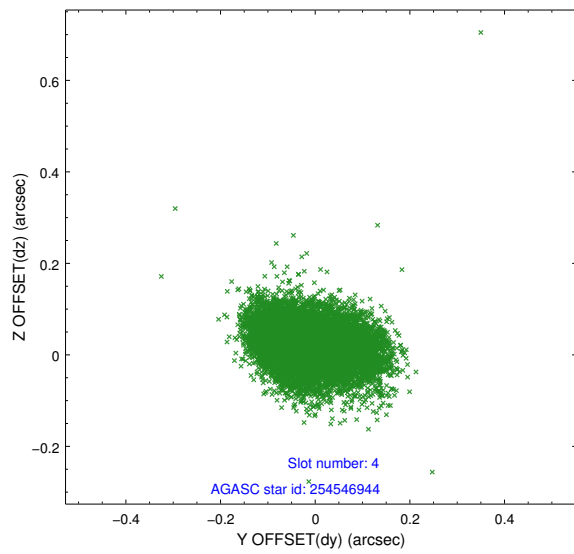
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	4914	-0.034	-0.008	0.012	0.019	0.000000	0.000000	-754.74	-1728.24
1	FID	ACIS-S-4	7.20	4914	-0.021	0.019	0.008	0.015	0.000000	0.000000	2158.46	180.10
2	FID	ACIS-S-5	7.23	4913	0.024	-0.001	0.011	0.018	0.000000	0.000000	-1807.29	173.94
3	GUIDE	254413968	6.97	9827	0.023	-0.124	0.054	0.088	127.416931	24.344707	-297.15	-1033.19
4	GUIDE	254546944	8.74	9827	-0.018	0.023	0.087	0.145	128.414418	24.421267	-1302.73	2091.39
5	GUIDE	254428672	8.90	9824	0.133	0.059	0.070	0.120	127.823928	23.623769	1933.82	851.55
6	GUIDE	254415136	8.87	9824	-0.011	-0.202	0.092	0.143	127.126183	24.541352	-777.08	-2118.83
7	GUIDE	254541888	9.38	9822	-0.119	0.237	0.125	0.199	128.542766	24.593320	-2002.19	2358.75

## 2.4 Star Slots

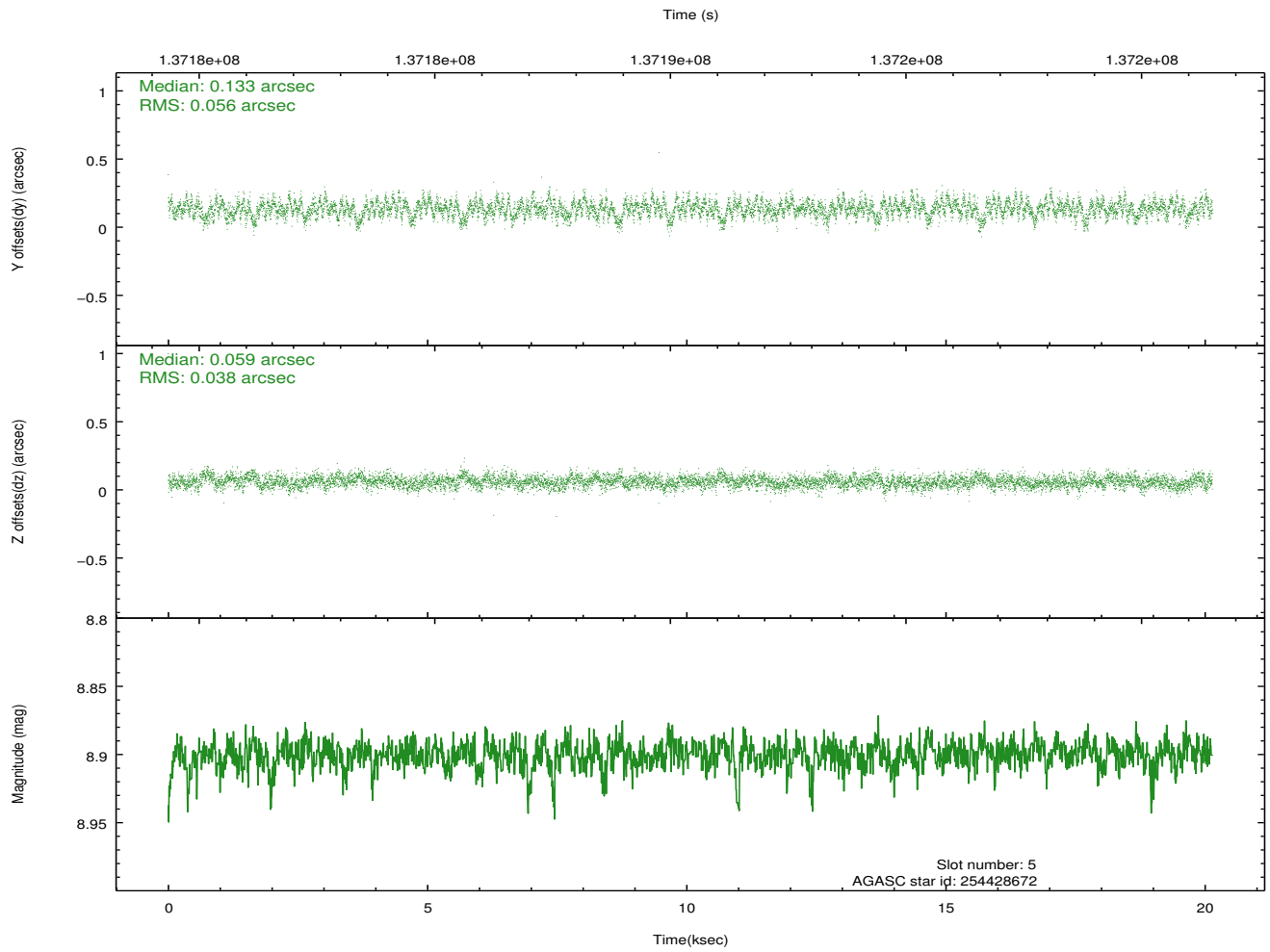
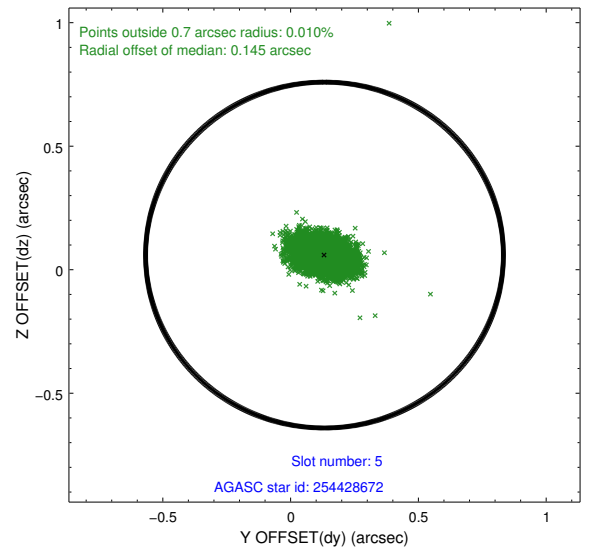
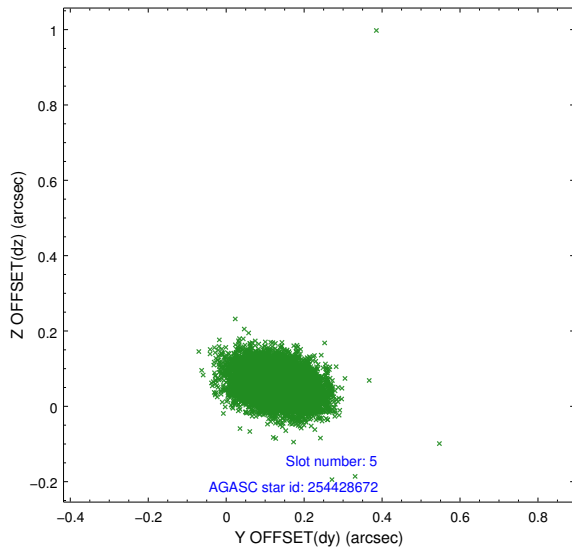
### 2.4.1 Slot 3



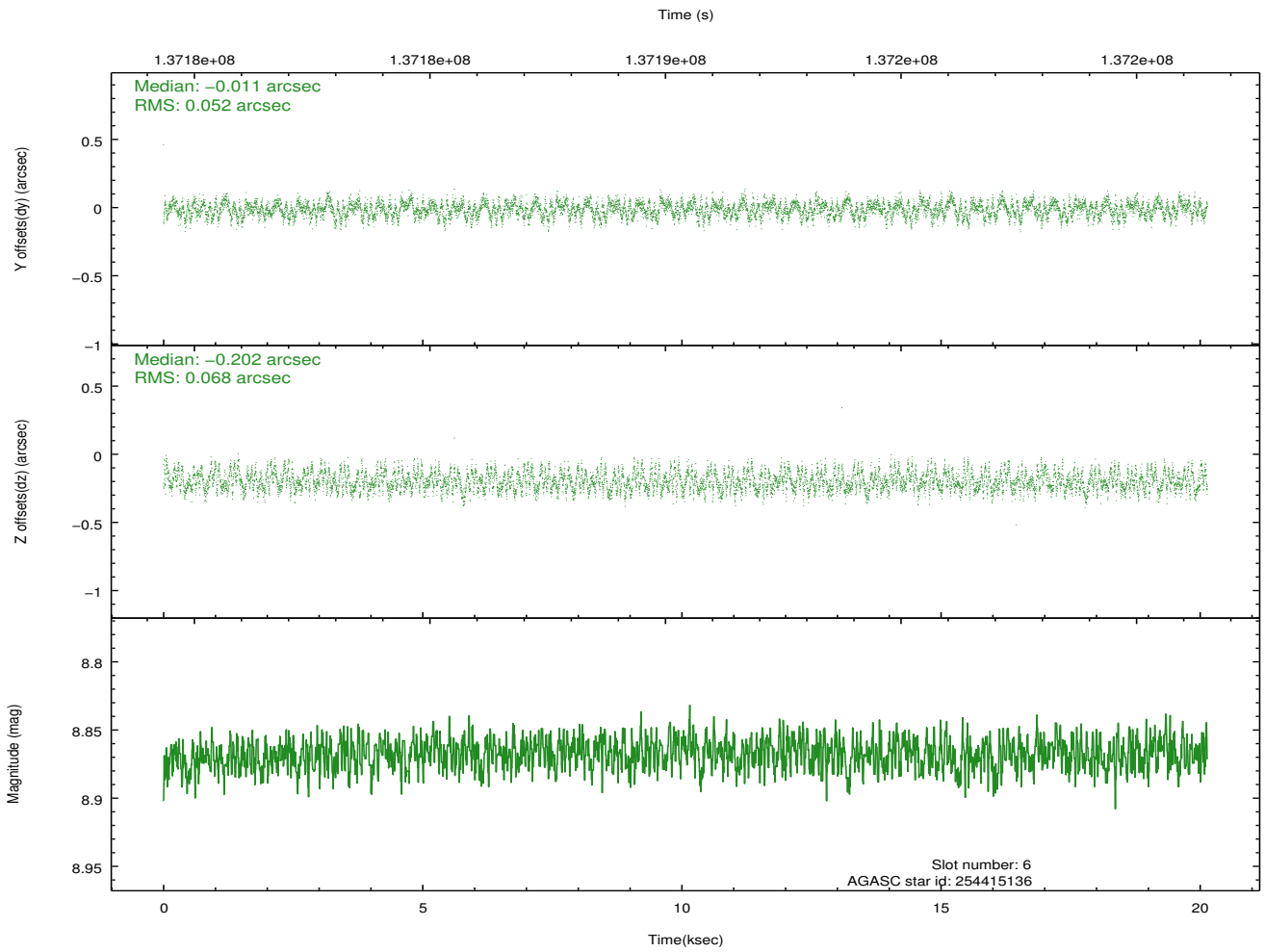
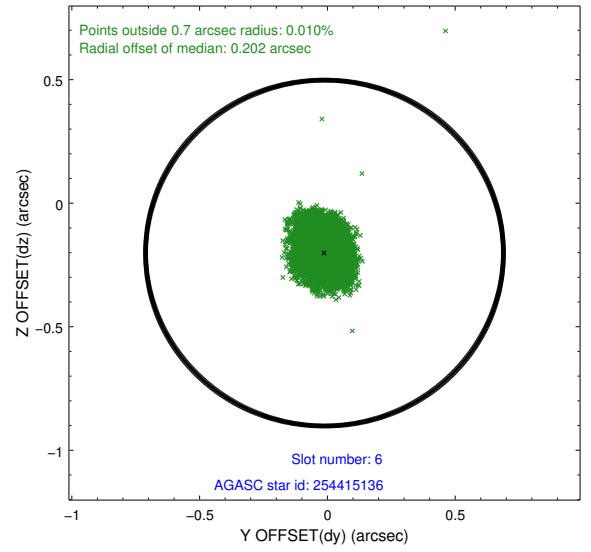
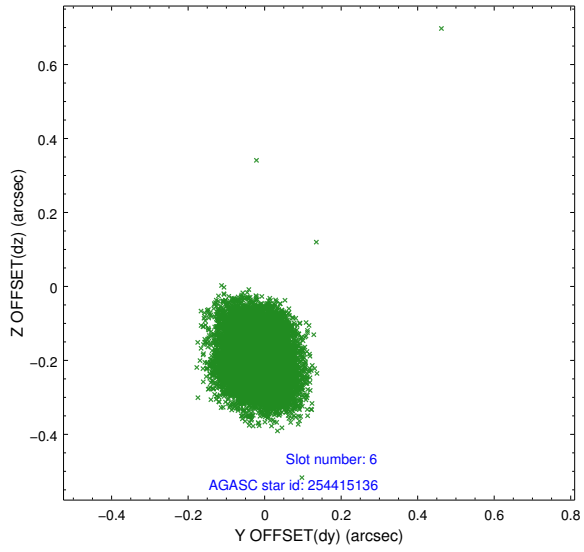
## 2.4.2 Slot 4



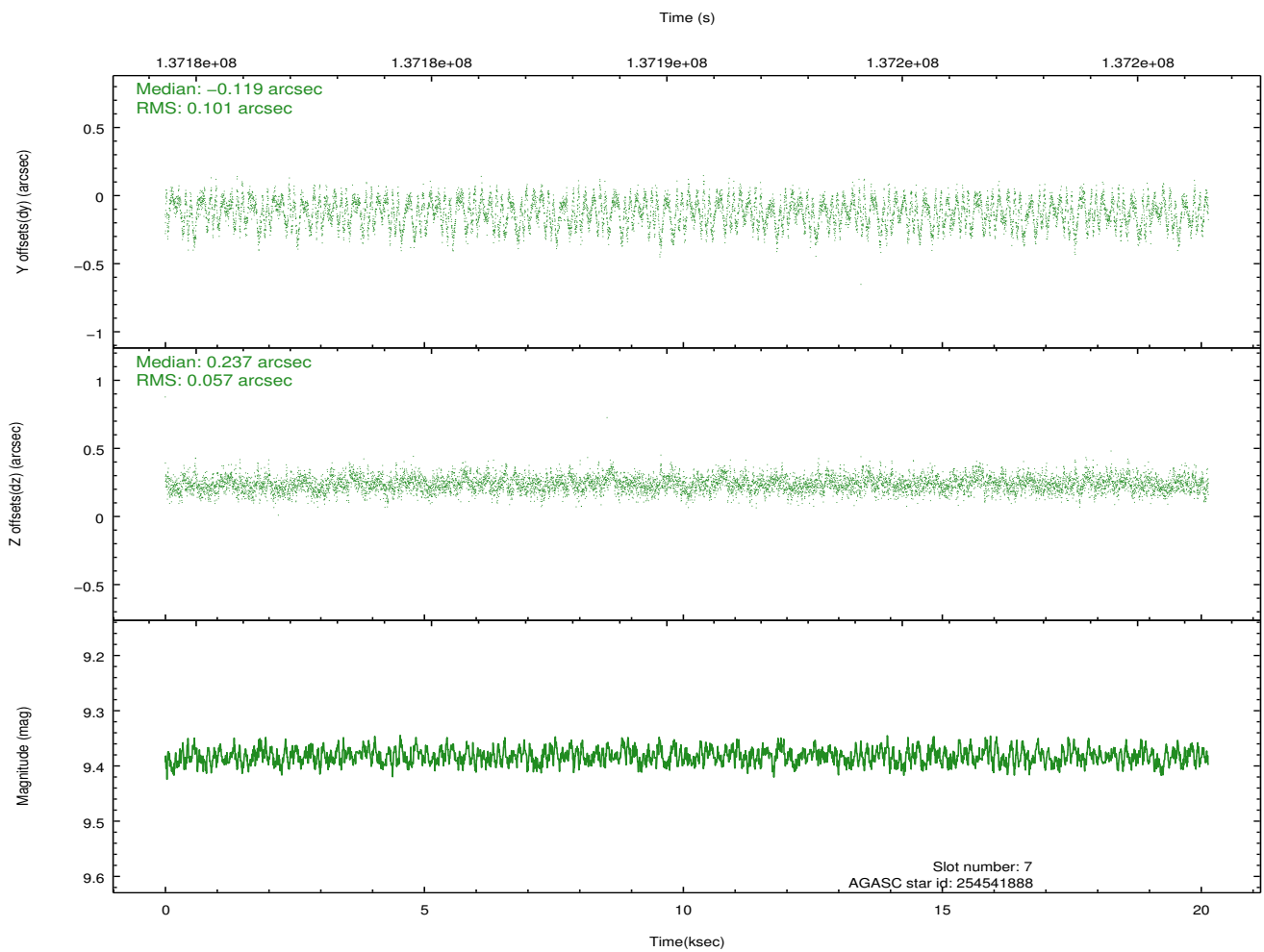
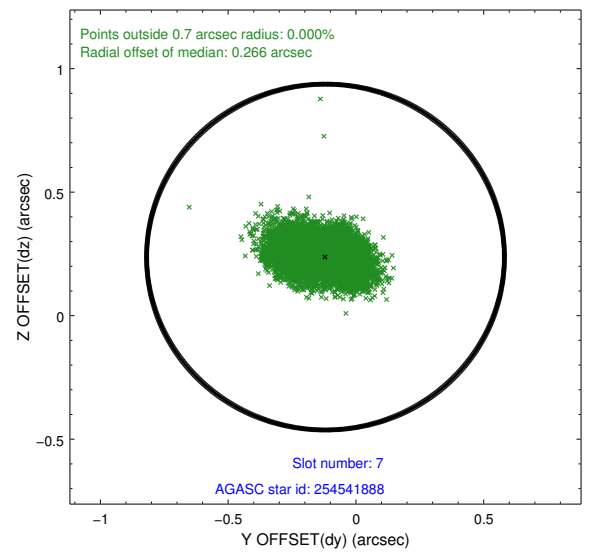
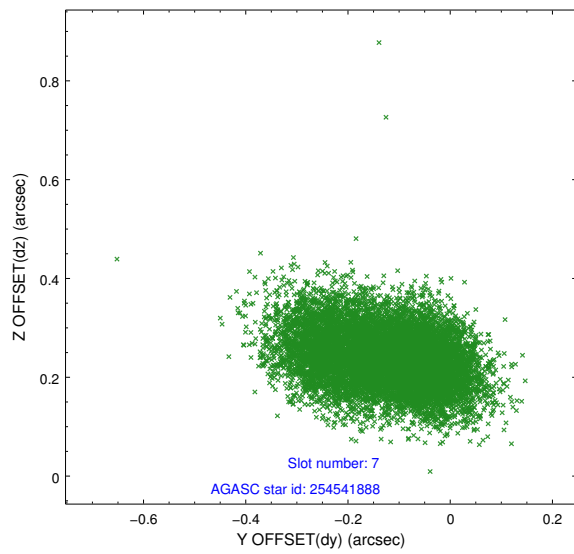
### 2.4.3 Slot 5



### 2.4.4 Slot 6

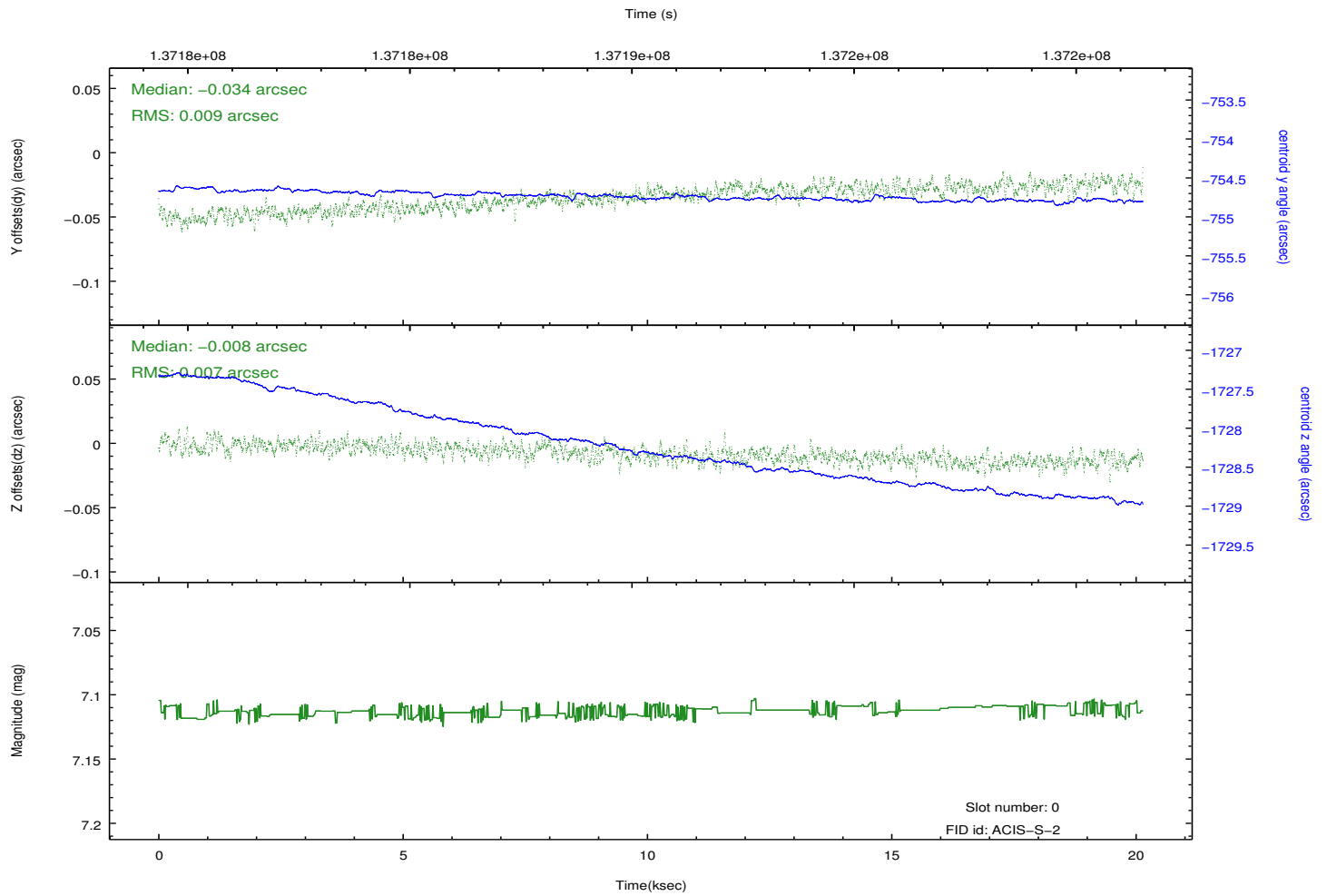
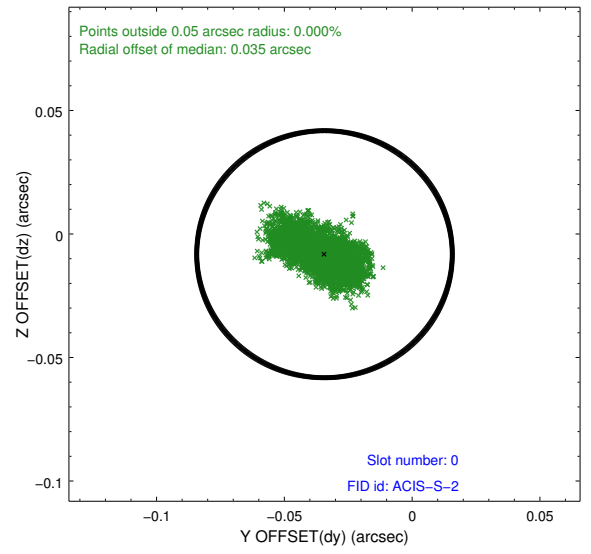
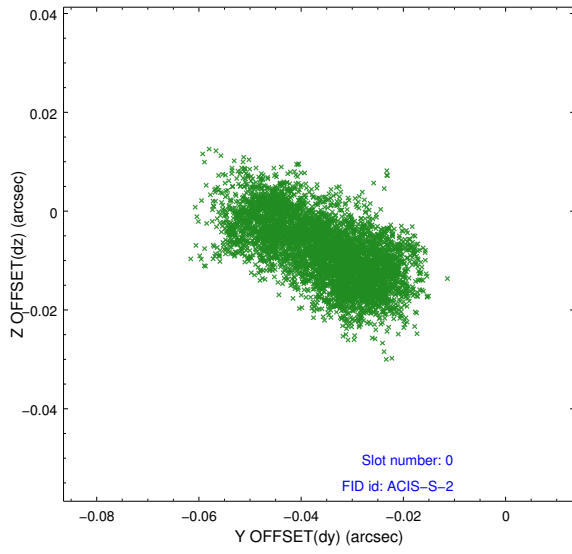


## 2.4.5 Slot 7

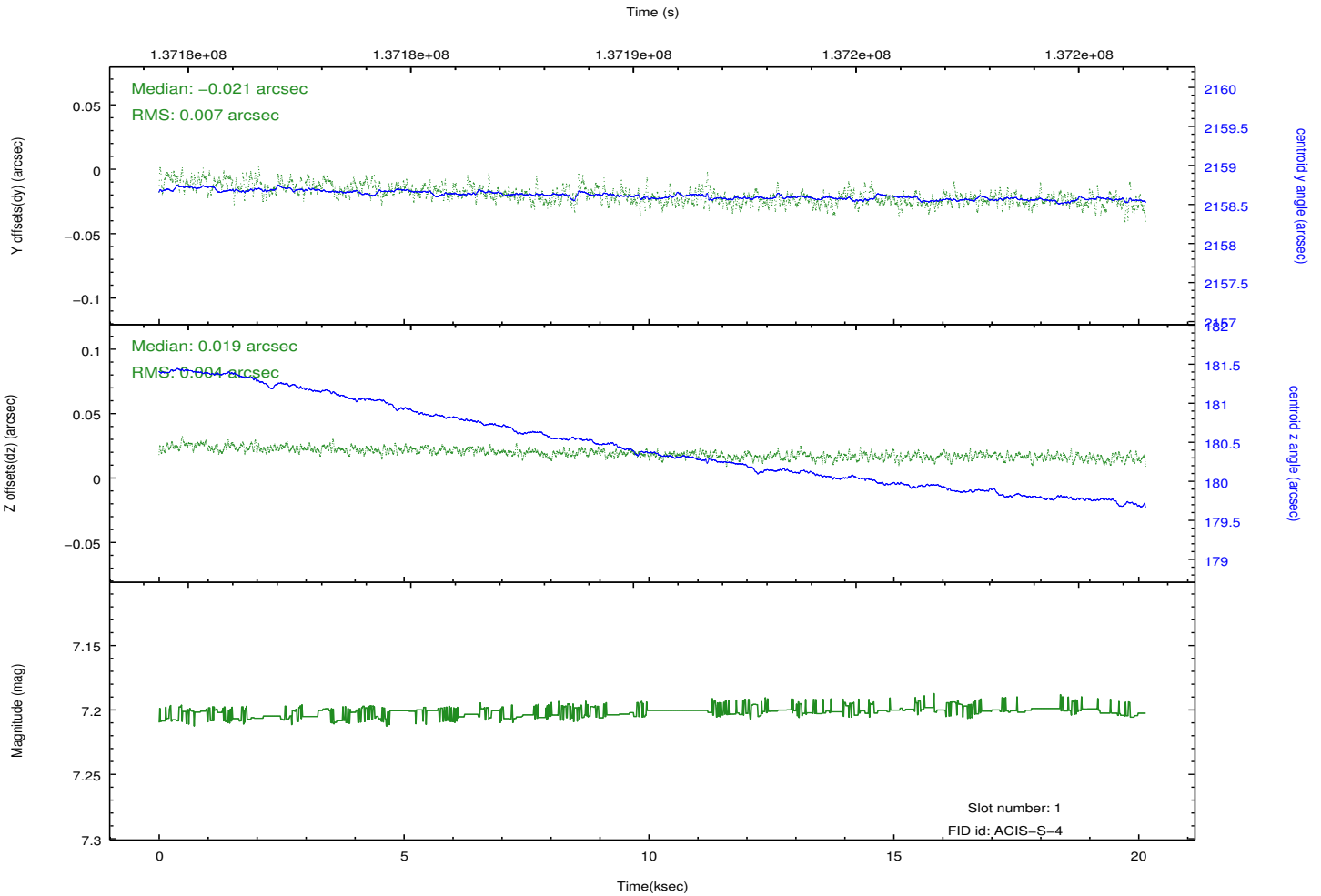
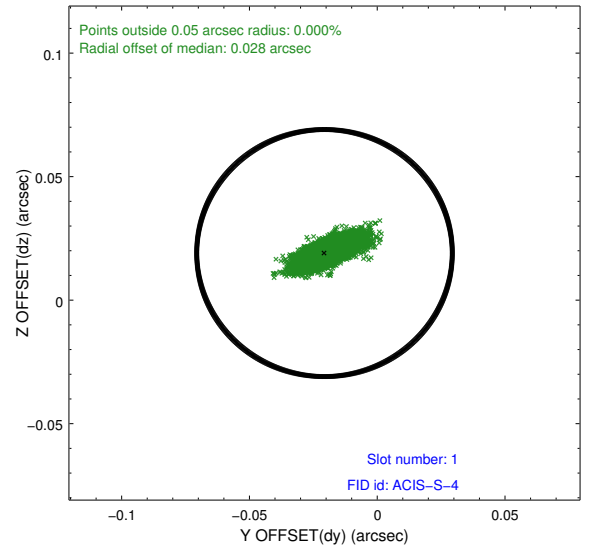
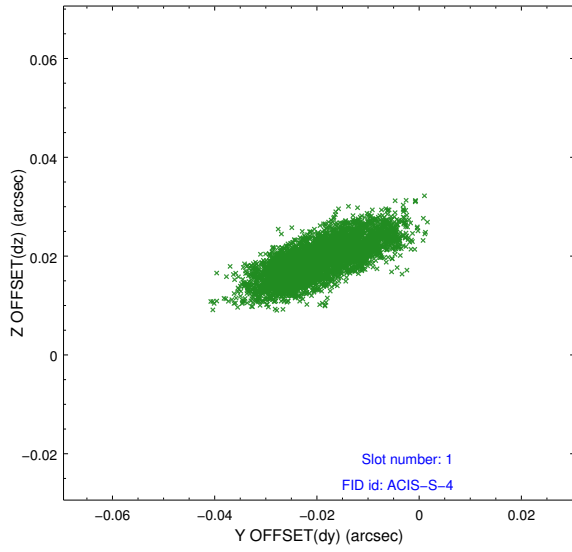


## 2.5 FID Slots

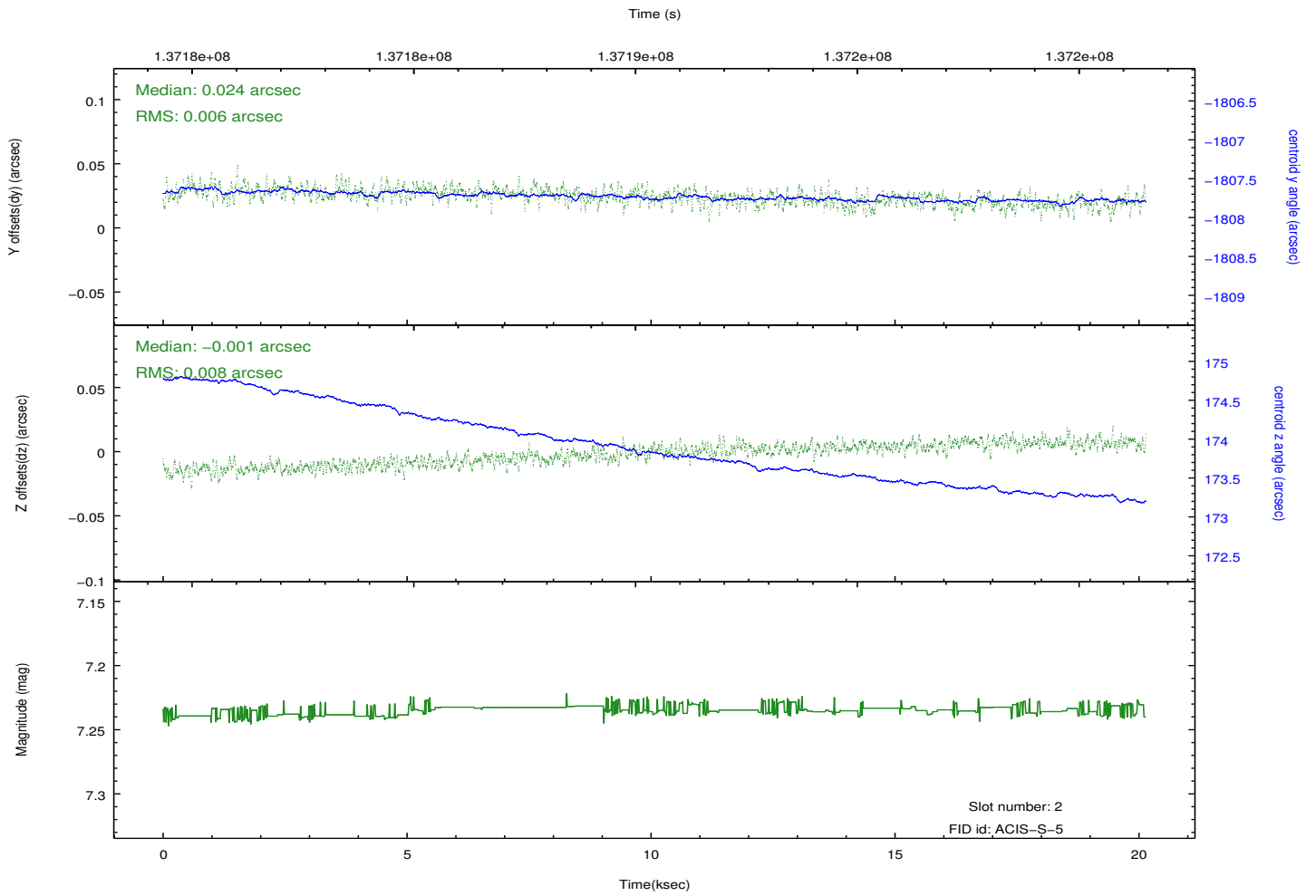
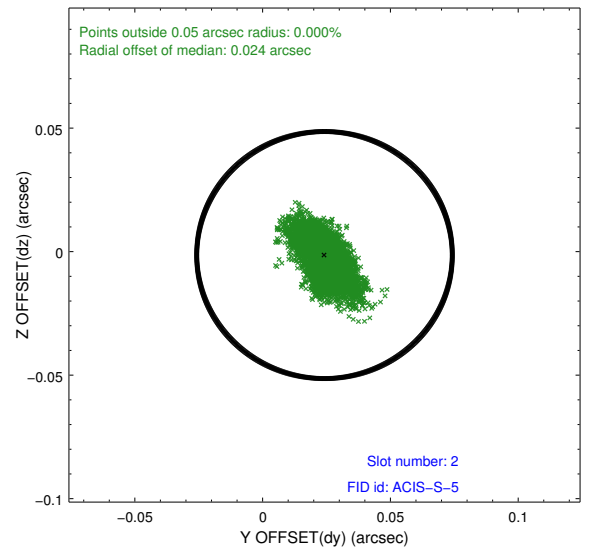
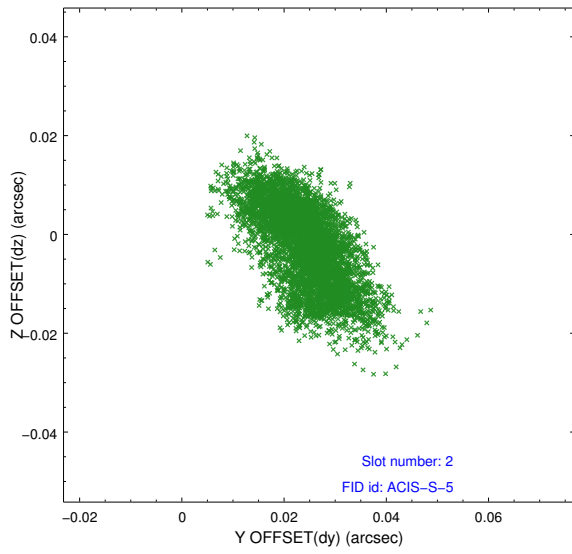
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



# A Summary

## A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.10.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.142

## A.2 Comments