

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 10768 - L2 Version 2  
Chandra X-Ray Center

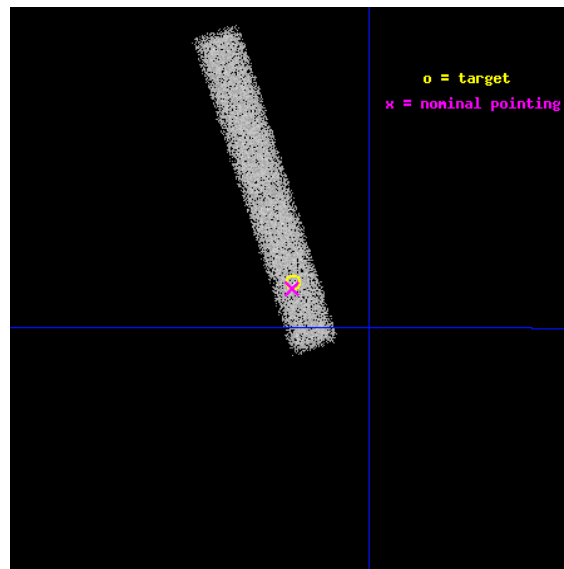
L2 Processing Date : Jun 15 2012

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# 1 Front

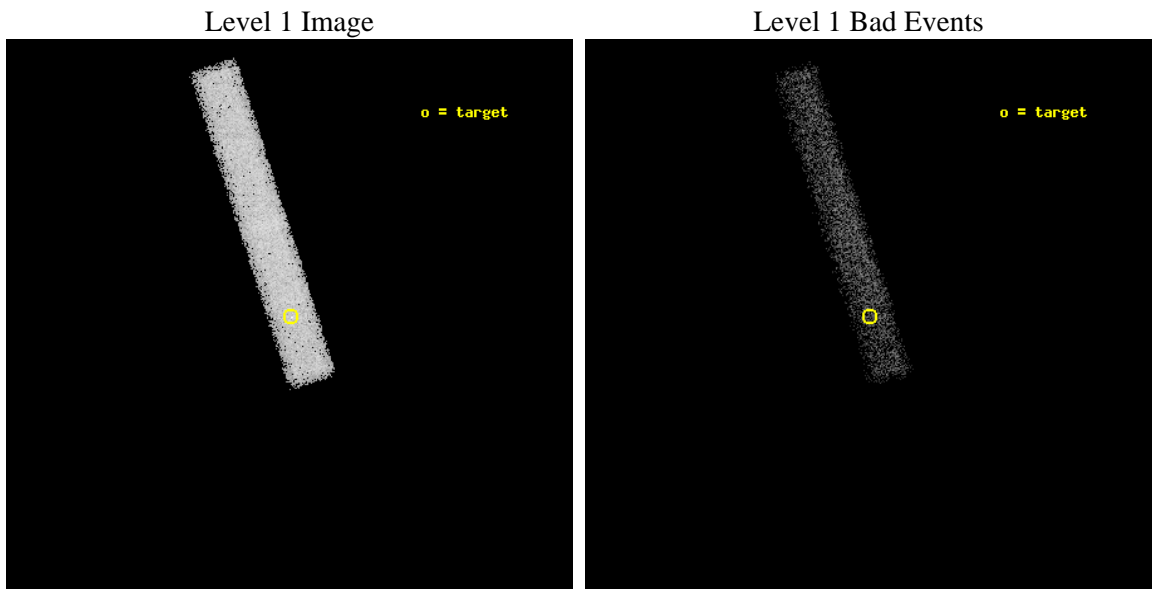
seq_num	501172	Sequence number
obs_id	10768	Observation id
title	The High-B Radio Pulsar PSR J1718-3718: A Quiescent Magnetar?	Prop
observer	Dr Maura McLaughlin	Principal investigator
object	J1718-3718	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	259.541667	Observer's specified target RA [deg]
dec_targ	-37.313889	Observer's specified target Dec [deg]
ra_nom	259.54237974774	Nominal RA [deg]
dec_nom	-37.31663334331	Nominal Dec [deg]
roll_nom	252.15705513632	Nominal Roll [deg]
revision	2	Processing version of data
ontime	37651.59775579	Sum of GTIs [s]
livetime	34148.011750218	Livetime [s]
ontime7	37651.59775579	Sum of GTIs [s]
l2events	21729	Number of level 2 events



## 2 OBI

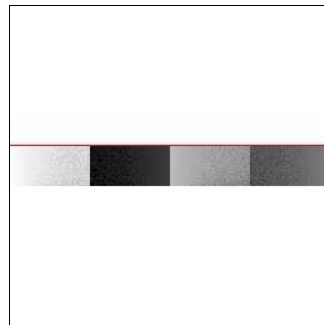
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	37500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	37651.59775579	Sum of GTIs [s]
caldbver	4.4.10	&#160	ontime7	37651.59775579	Sum of GTIs [s]
date	2012-06-15T02:18:25	Date and time of file creation	l1events	42744	Number of level 1 events
revision	2	Processing version of data			

### 2.1.4 Events

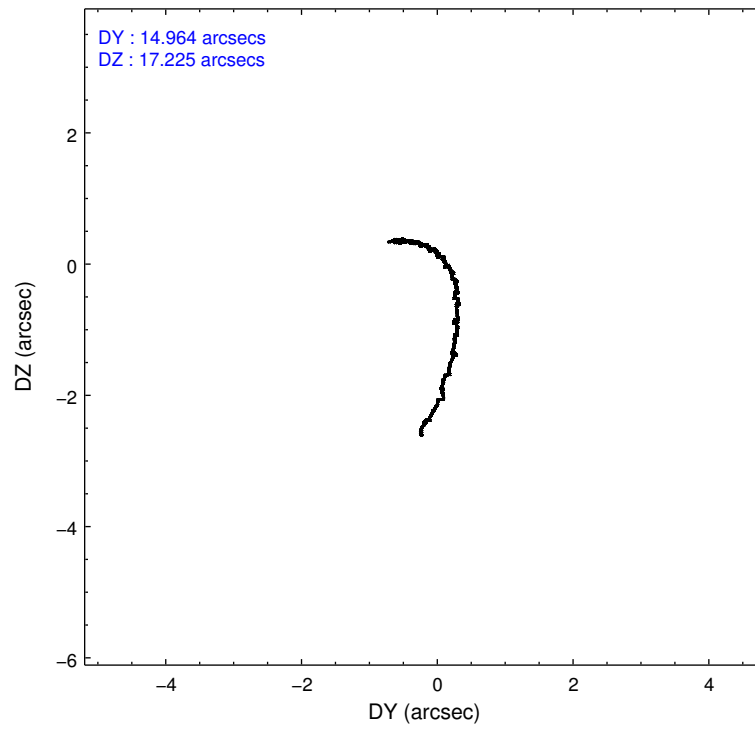
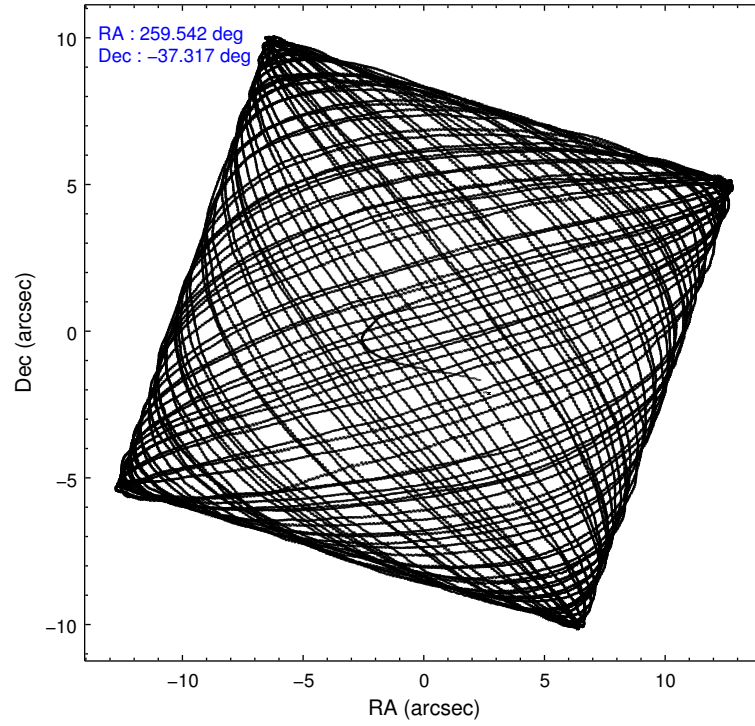
	<b>ccd 7</b>
level 1 events	42744
rejected events	19874
rejected %	46%

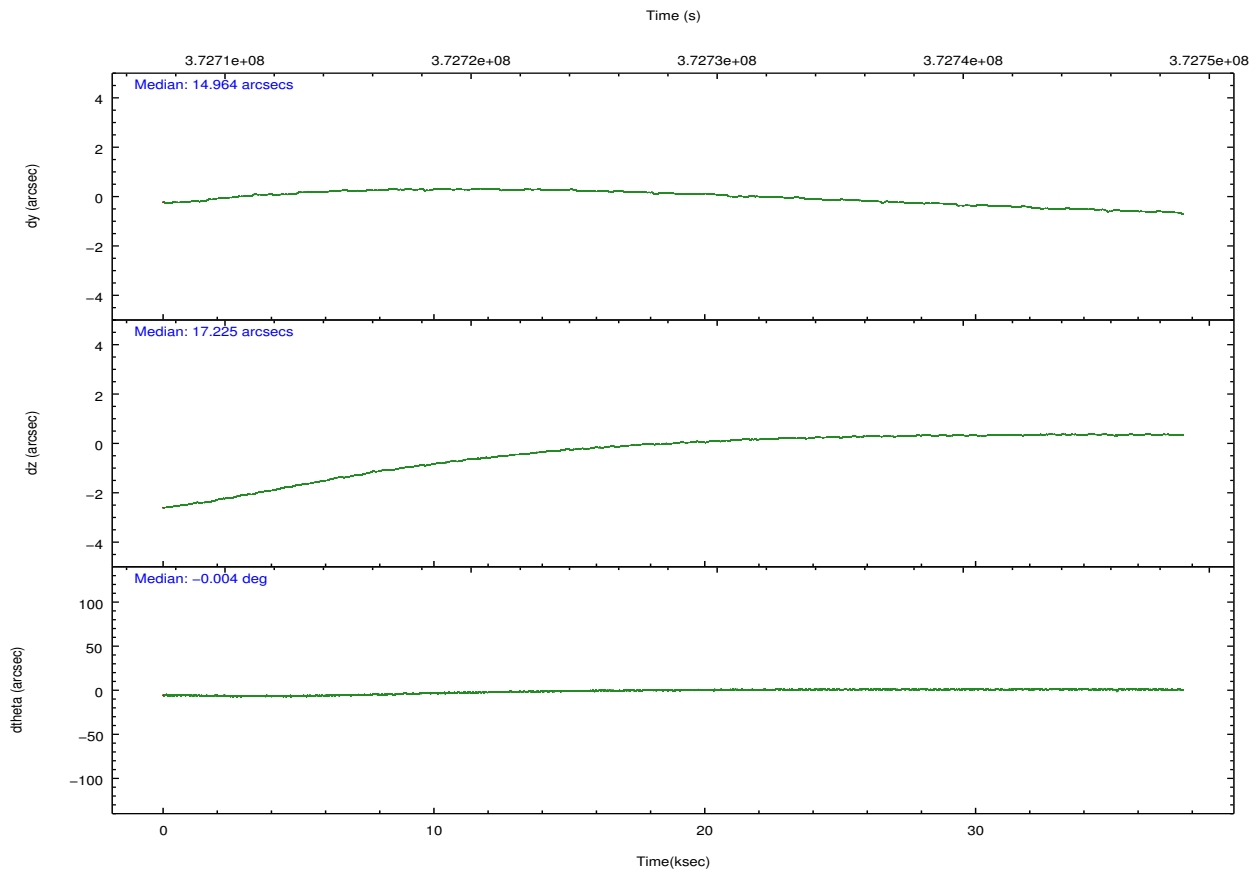
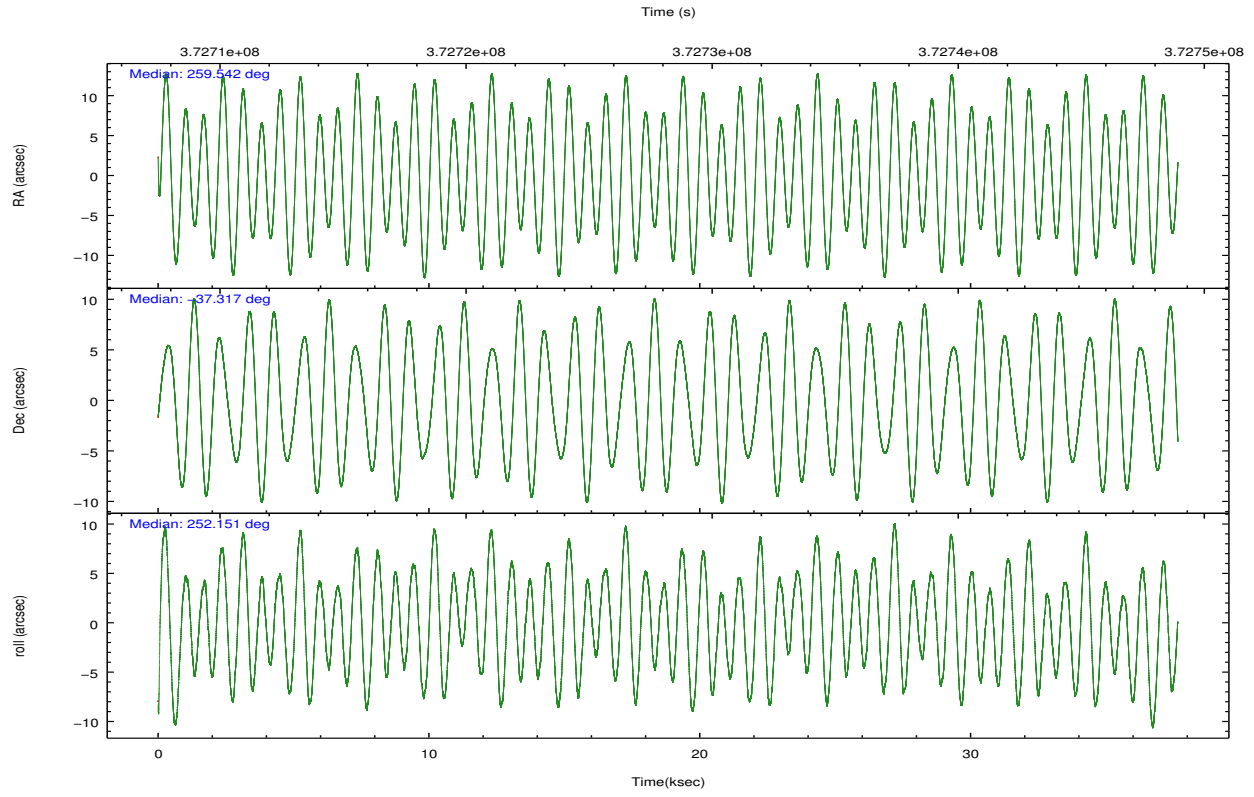
	<b>ccd 7</b>
grade 0 events	2608
	6%
grade 1 events	77
	0%
grade 2 events	4835
	11%
grade 3 events	3436
	8%
grade 4 events	3264
	7%
grade 5 events	4383
	10%
grade 6 events	9443
	22%
grade 7 events	14698
	34%

## 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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	259.534679	259.5423797477358	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-37.290003	-37.31663334331012	Subarray start row	449	449
[deg] Pointing Roll	251.995769	252.1570551363156	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)	372709532.184000	372708200.60986			
Observation start date	2009-10-23T18:24:26	2009-10-23T18:03:20			
[s] Observation end time (MET)	372747032.184000	372747326.91183			
Observation end date	2009-10-24T04:49:26	2009-10-24T04:55:26			
Read mode	TIMED	TIMED			

## 2.3 Aspect



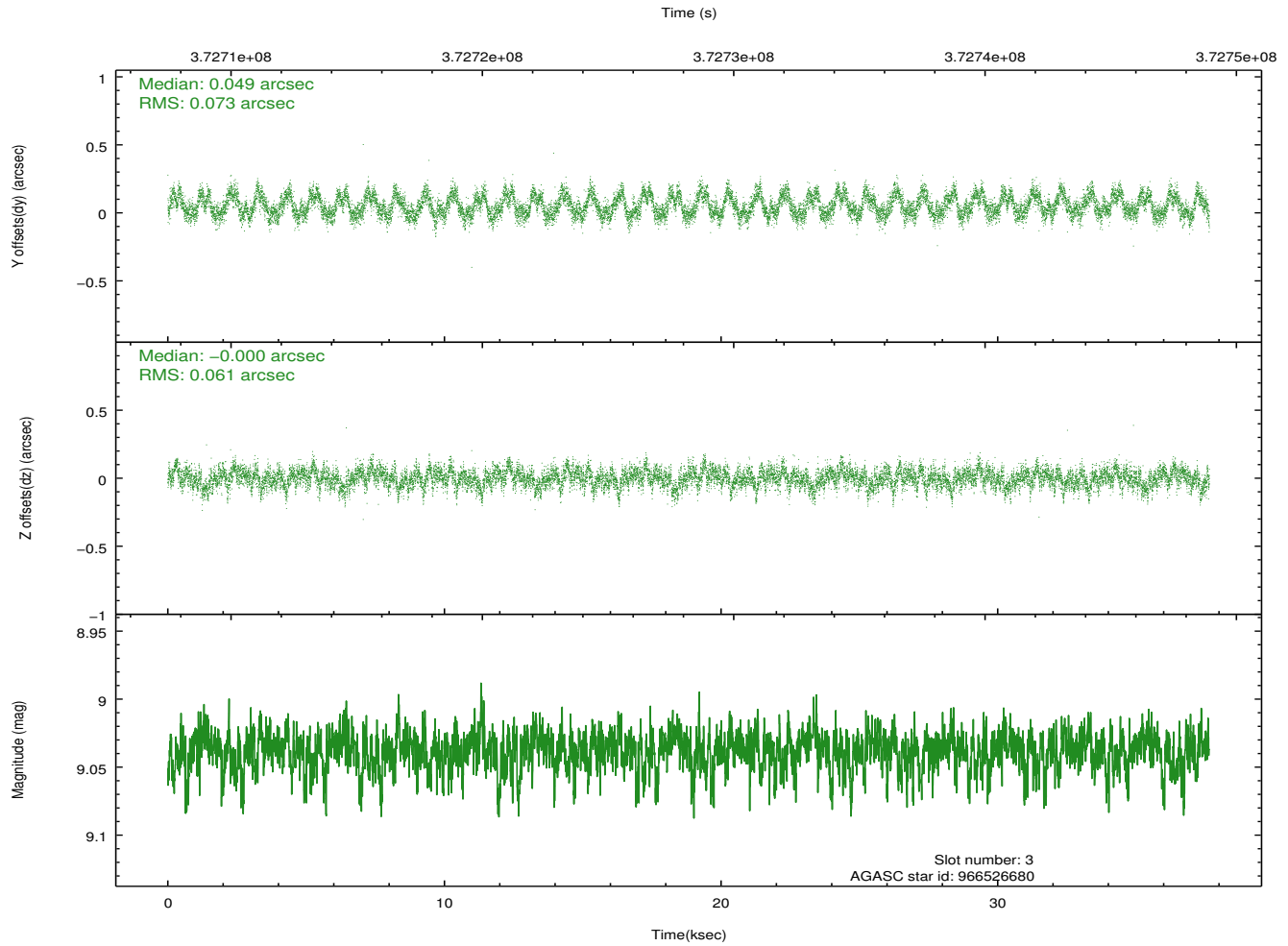
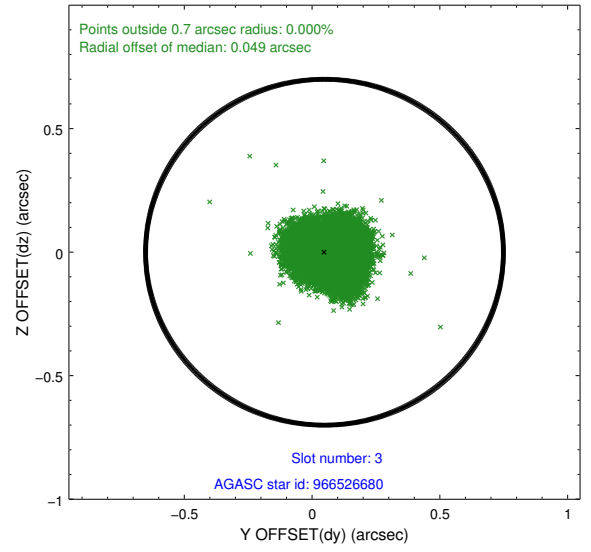
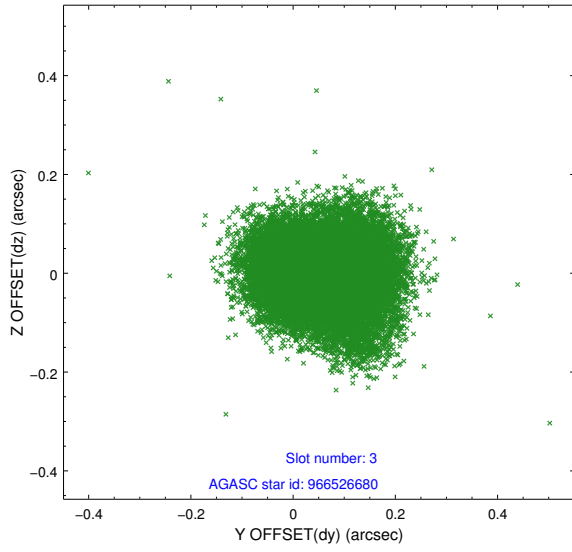


### Slot Statistics

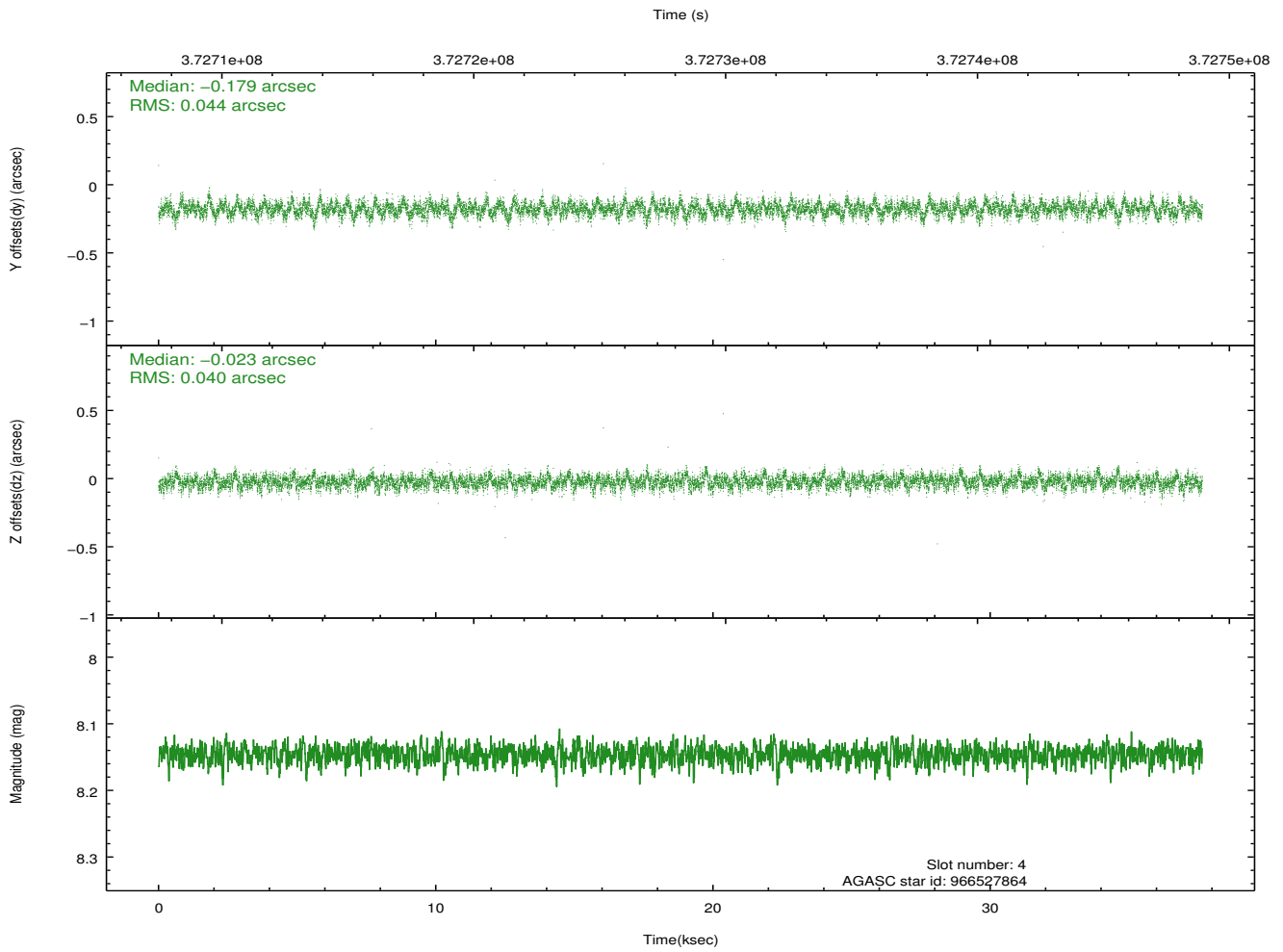
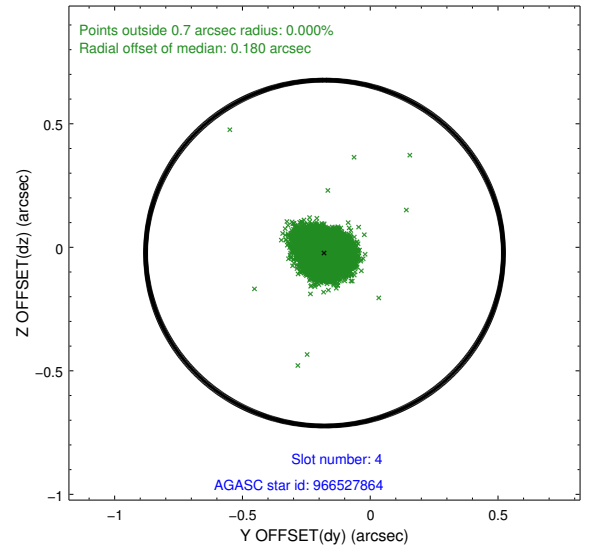
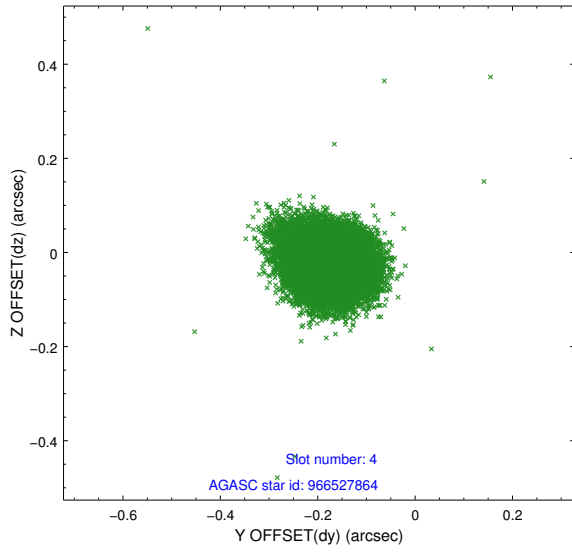
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	6.96	9184	0.058	-0.058	0.026	0.064	0.000000	0.000000	928.17	-1733.91
1	FID	ACIS-S-4	6.97	9184	0.124	0.017	0.019	0.029	0.000000	0.000000	2145.70	170.28
2	FID	ACIS-S-5	7.00	9184	-0.204	0.055	0.020	0.043	0.000000	0.000000	-1820.89	163.99
3	GUIDE	966526680	9.04	18360	0.049	-0.000	0.102	0.162	259.712281	-37.092655	-832.46	265.62
4	GUIDE	966527864	8.15	18362	-0.179	-0.023	0.062	0.101	259.198901	-37.409371	707.31	-779.61
5	GUIDE	1031544936	9.06	18230	0.235	-0.257	0.131	0.204	258.550668	-37.628655	2041.48	-2286.83
6	GUIDE	1031549280	8.06	18359	0.021	0.099	0.065	0.111	259.850615	-38.003687	2168.24	1647.33
7	GUIDE	966525880	9.08	18352	-0.138	0.176	0.102	0.166	260.250454	-37.024776	-1536.23	1664.03

## 2.4 Star Slots

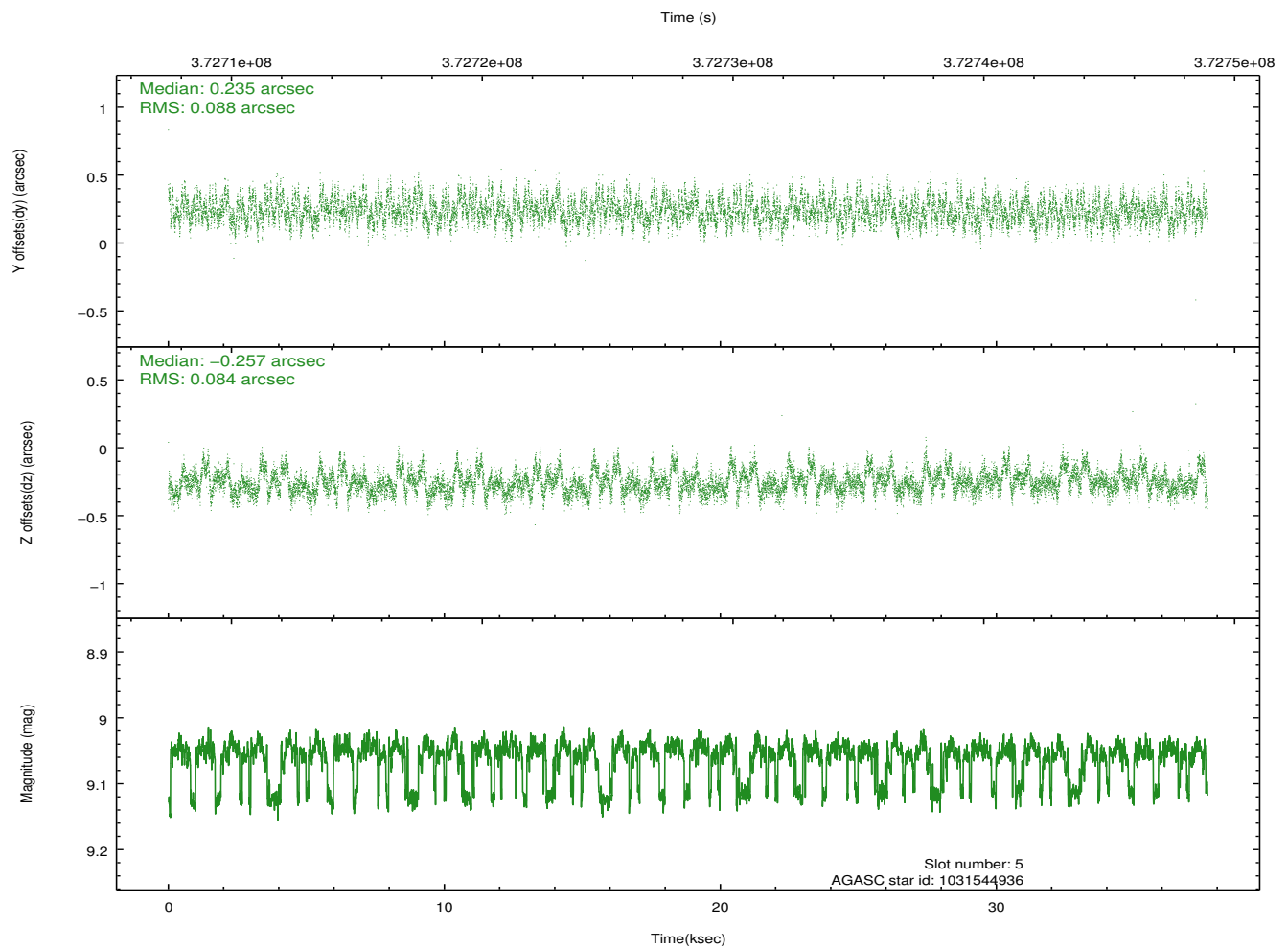
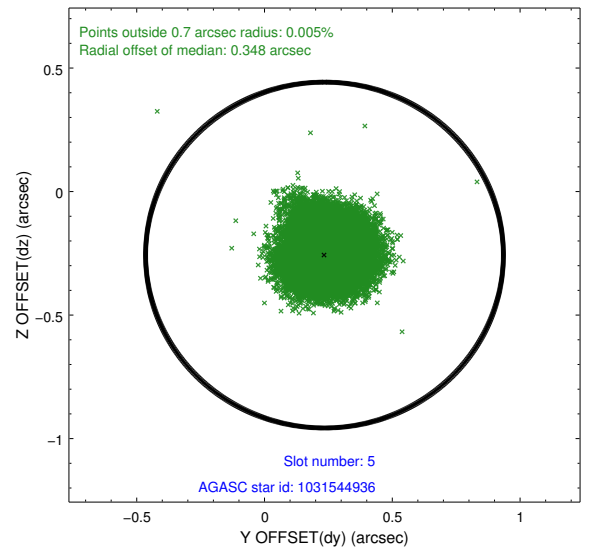
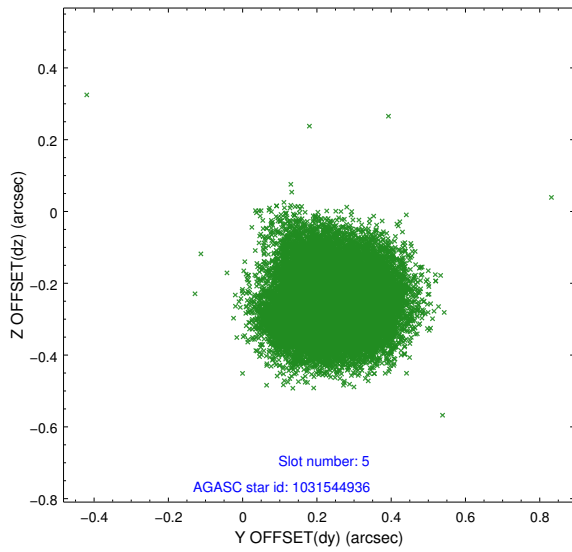
### 2.4.1 Slot 3



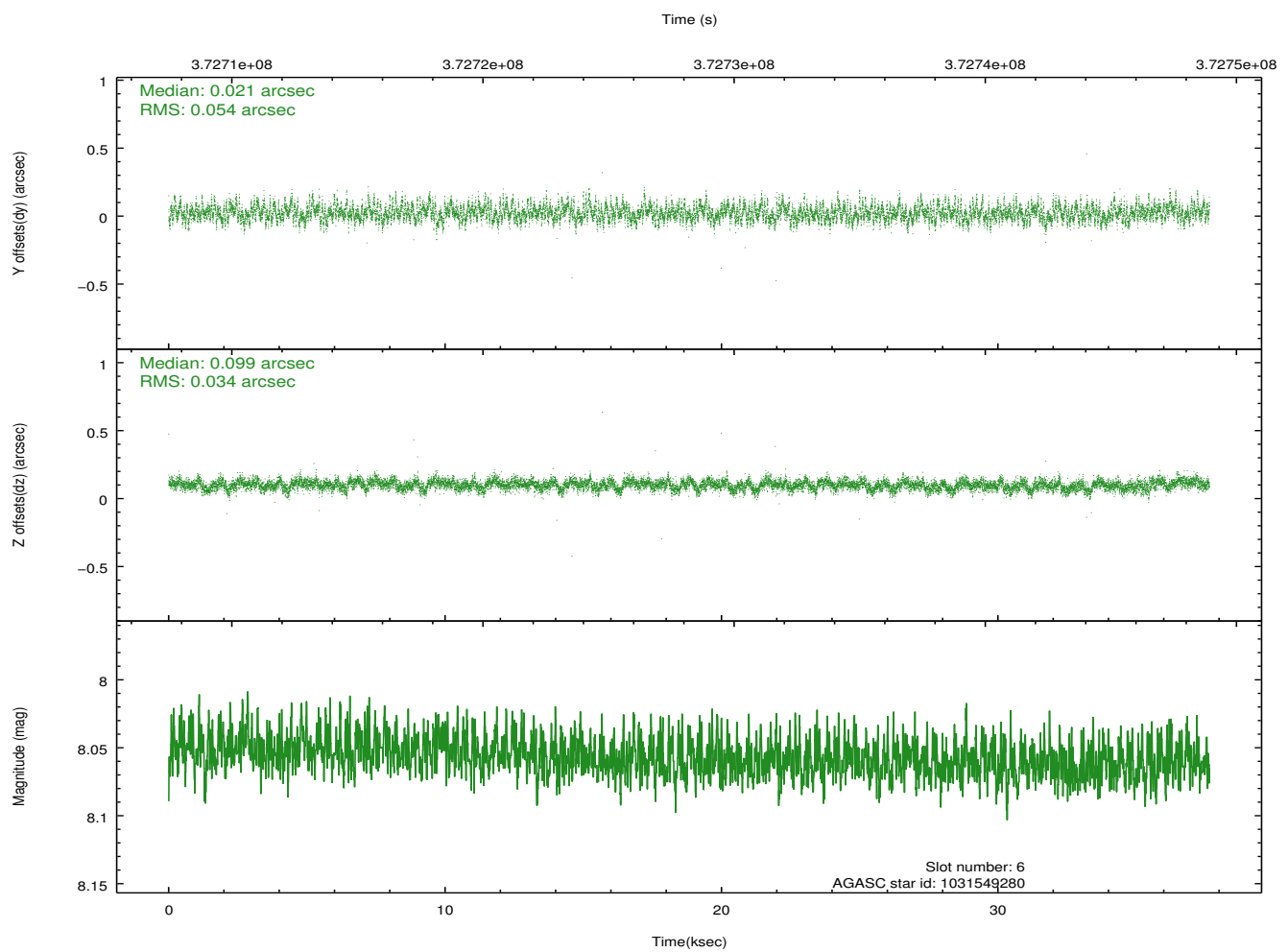
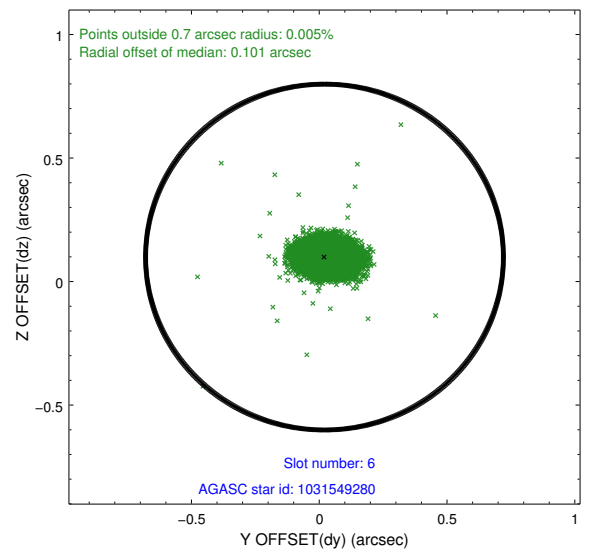
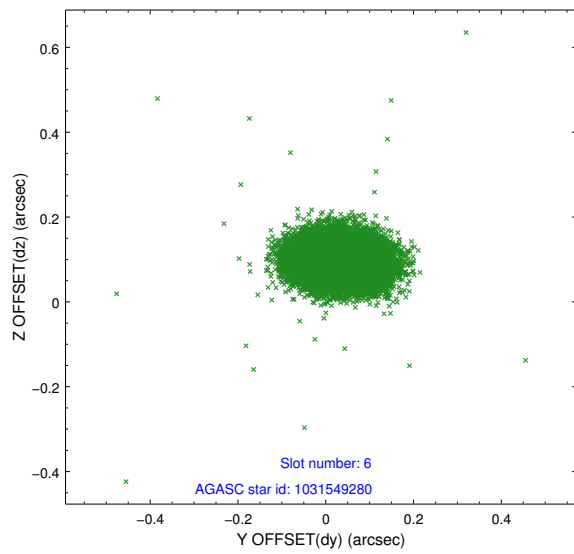
## 2.4.2 Slot 4



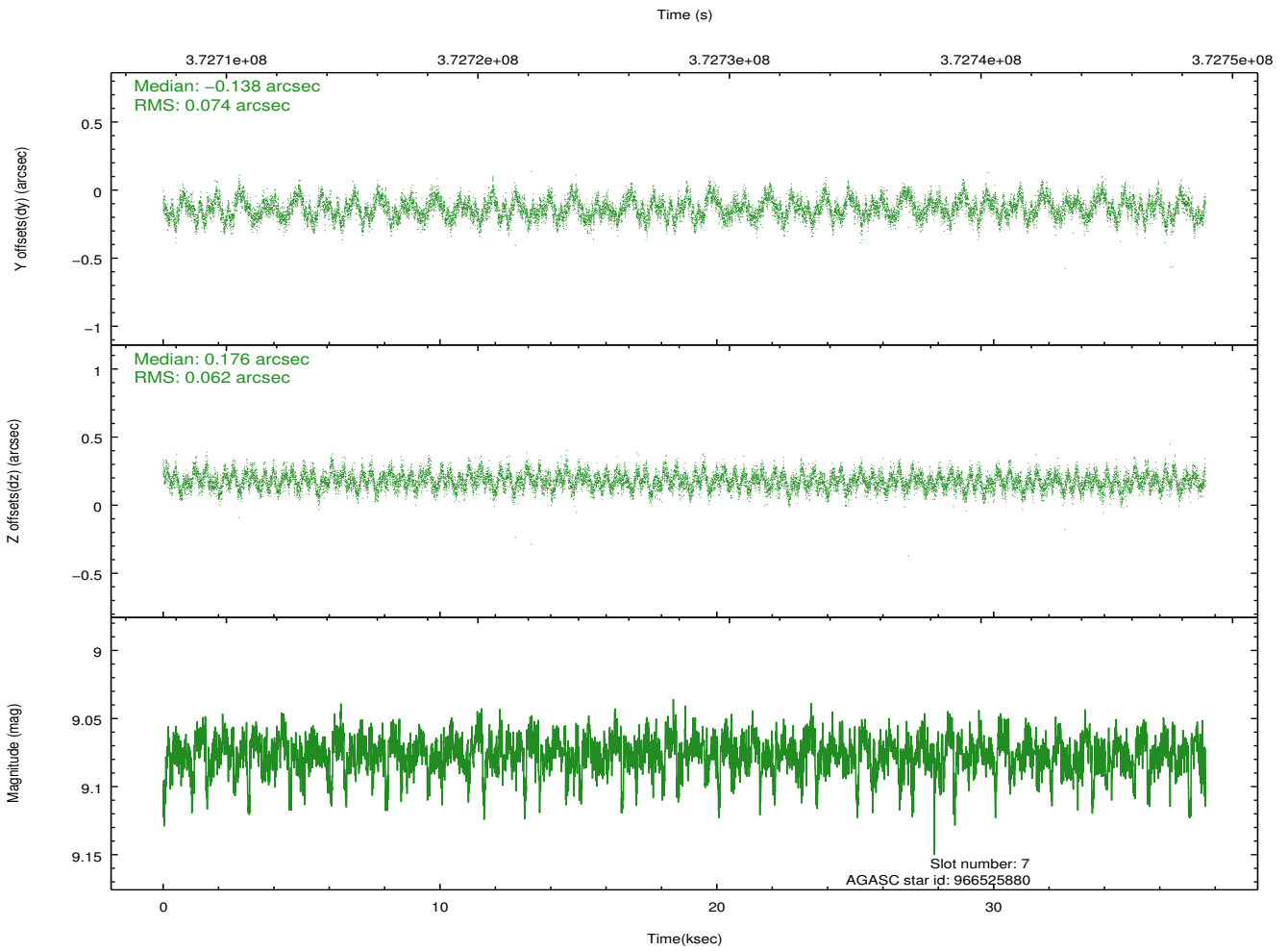
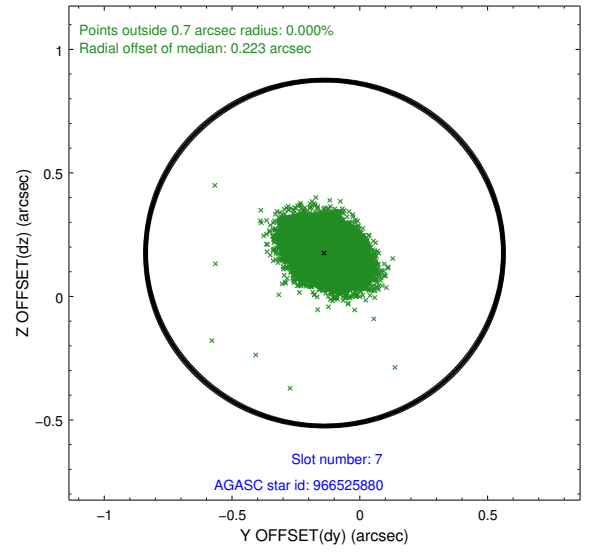
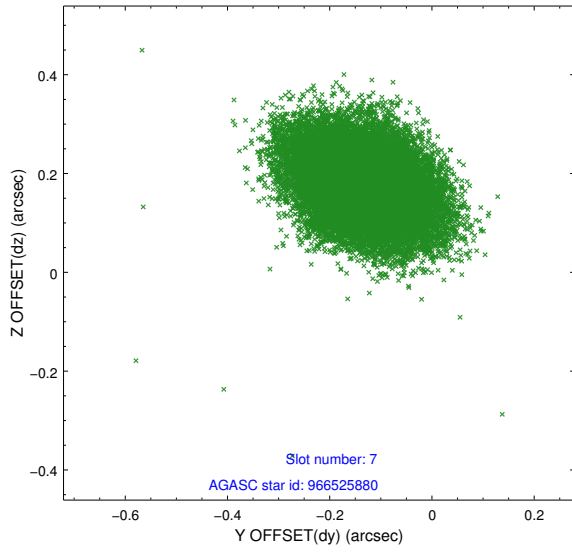
### 2.4.3 Slot 5



## 2.4.4 Slot 6

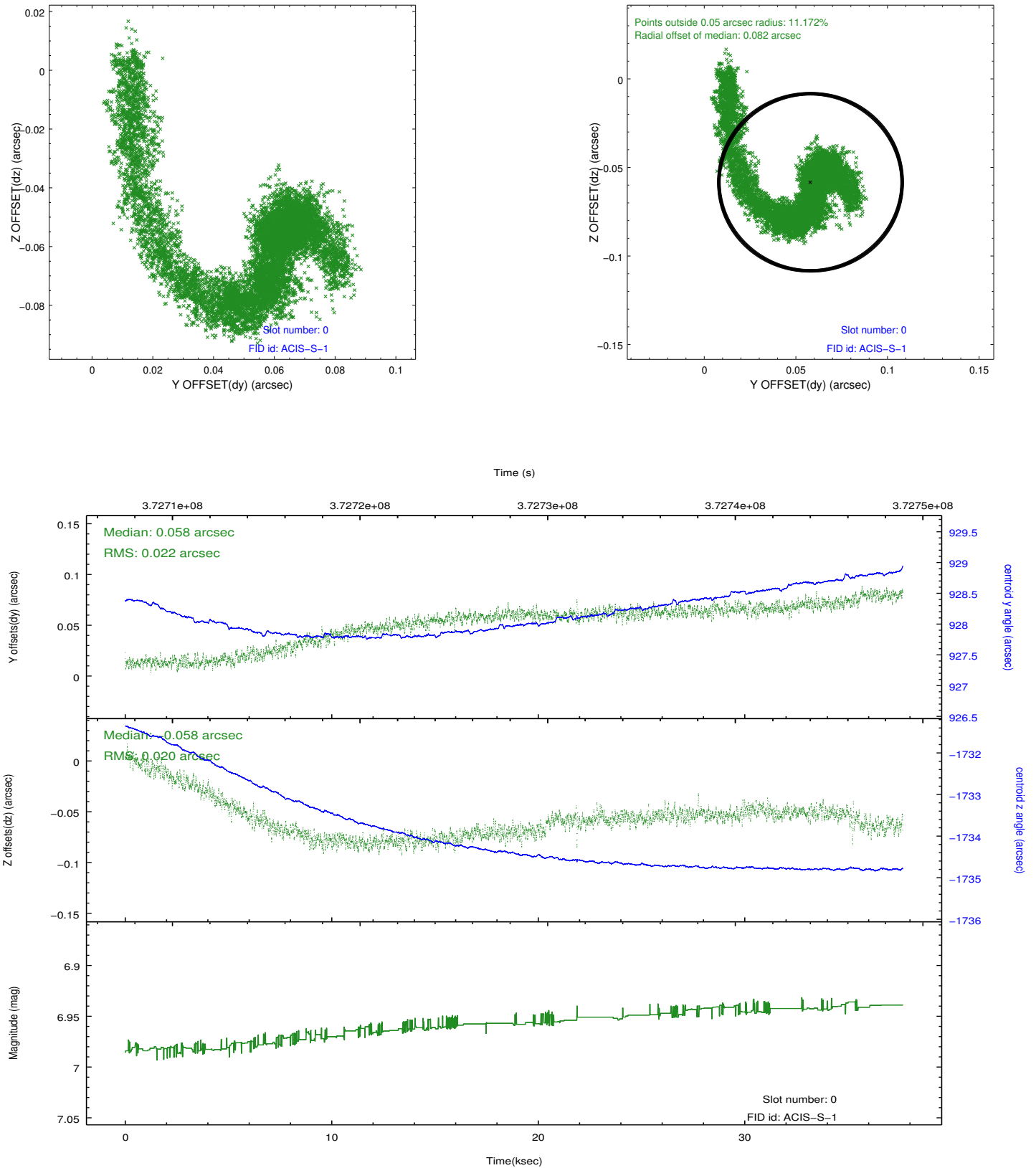


### 2.4.5 Slot 7

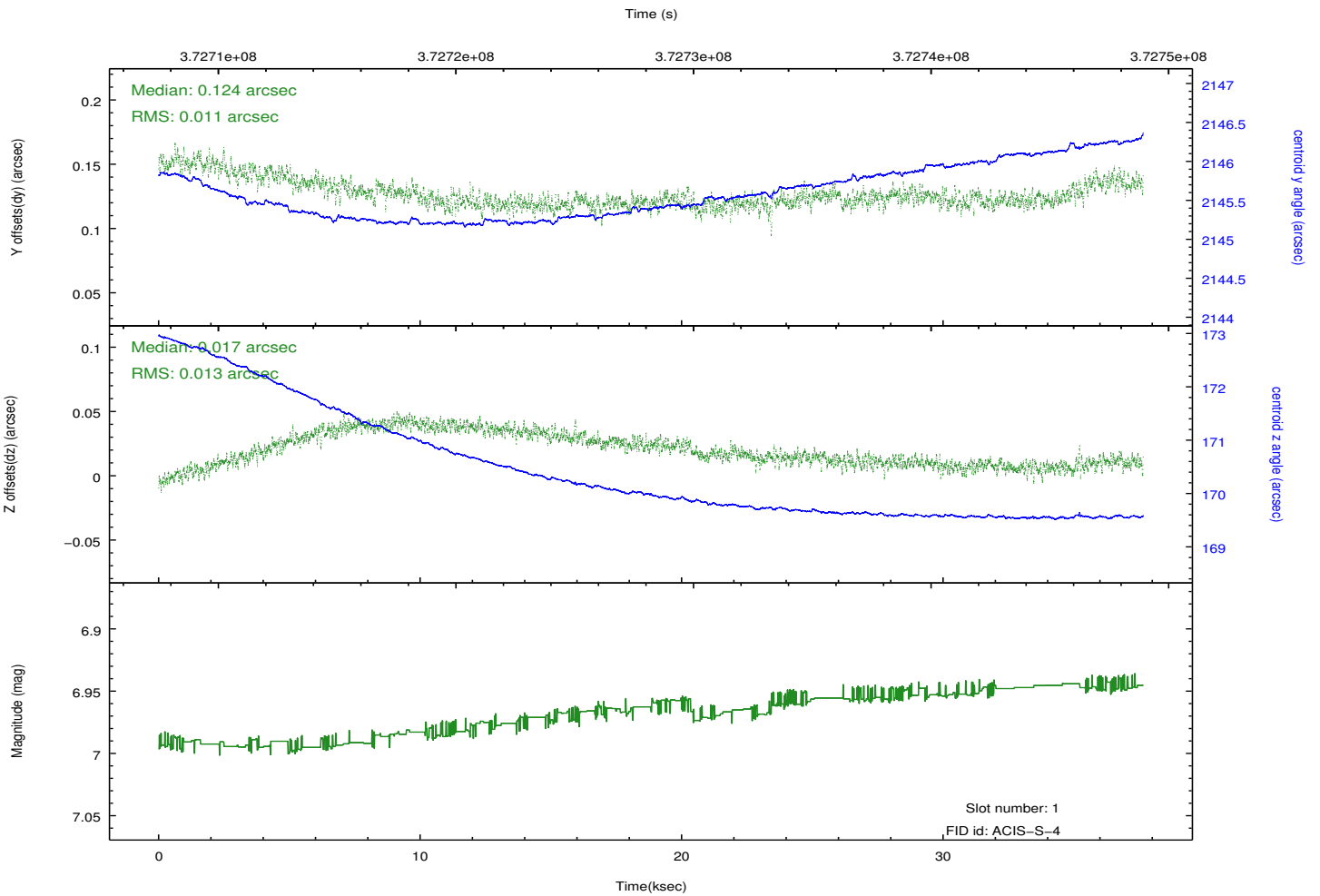
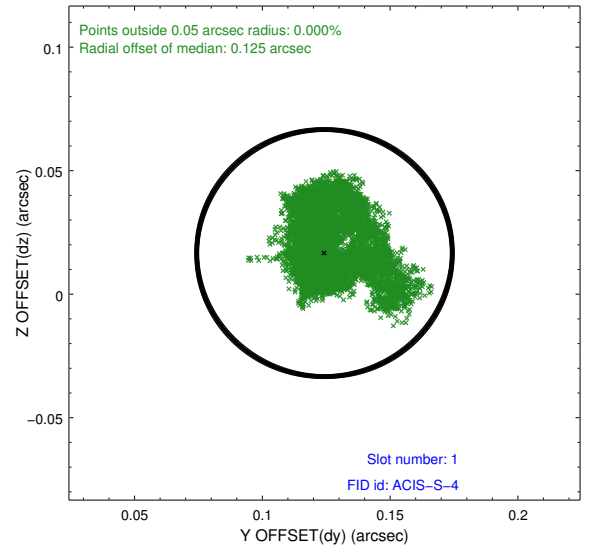
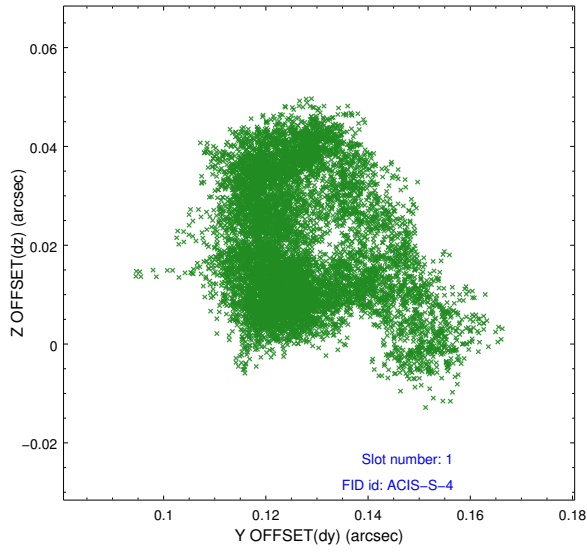


## 2.5 FID Slots

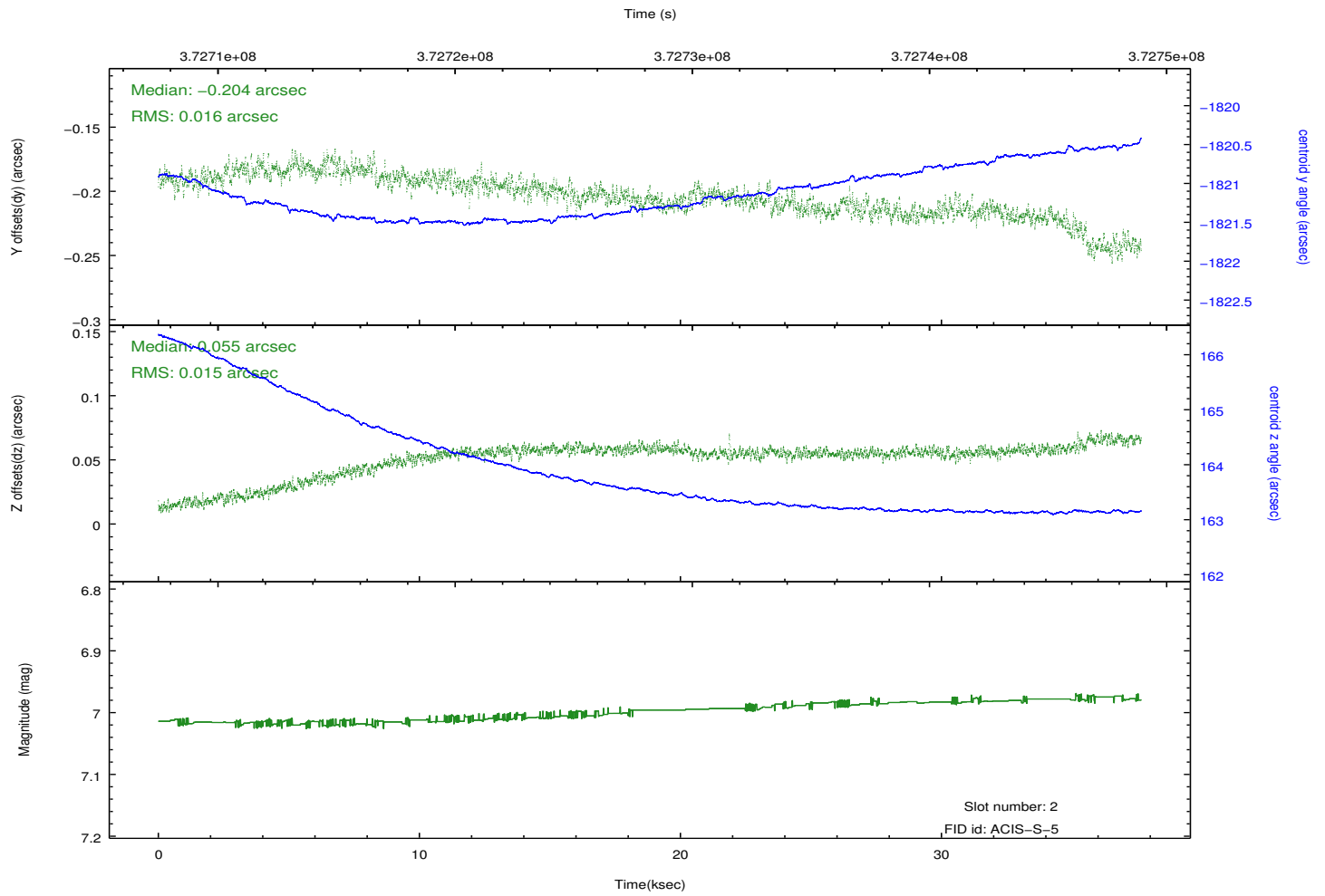
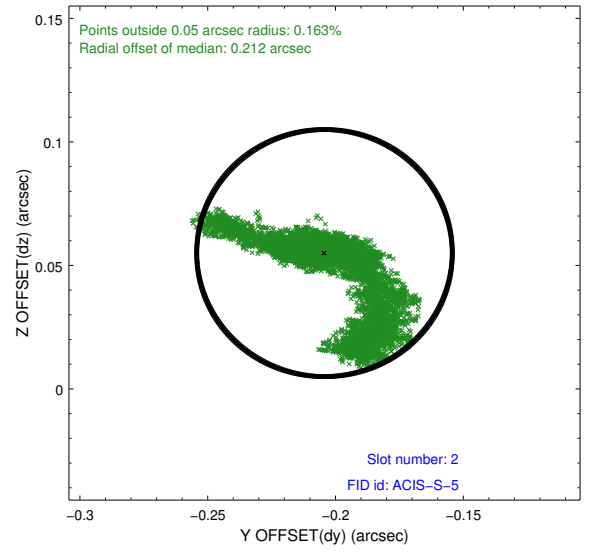
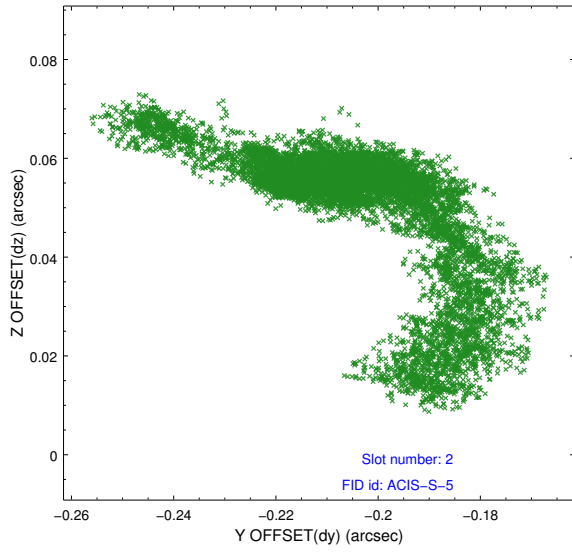
### 2.5.1 Slot 0



## 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)	2012.06.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	37.65159775579

## A.2 Comments