

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 10767 - L2 Version 2  
Chandra X-Ray Center

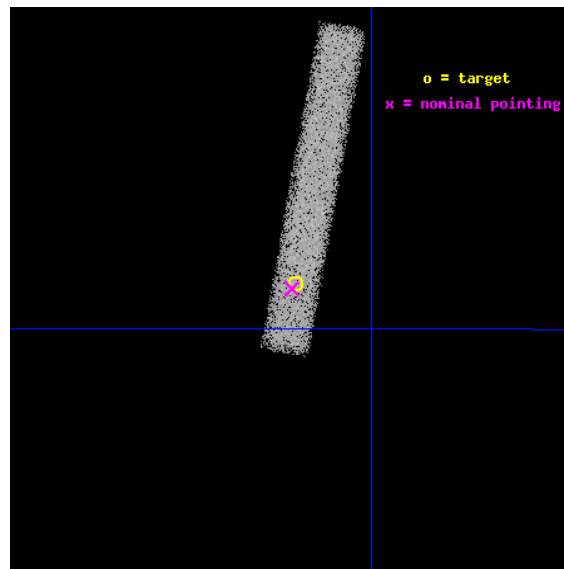
L2 Processing Date : Jun 11 2012

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# 1 Front

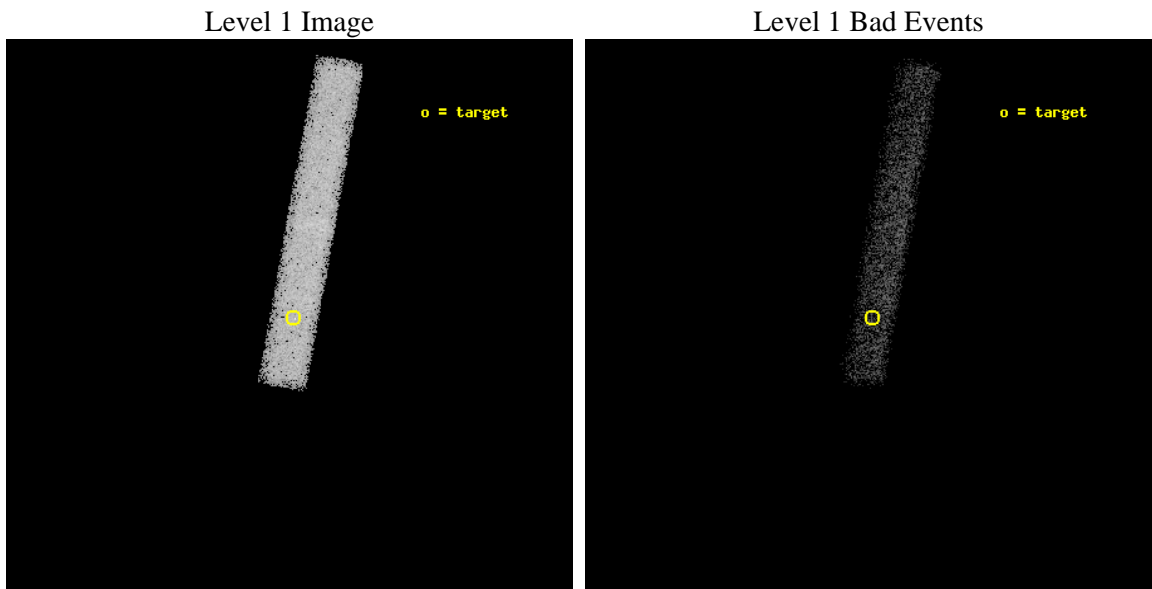
seq_num	501171	Sequence number
obs_id	10767	Observation id
title	The High-B Radio Pulsar PSR J1718-3718: A Quiescent Magnetar?	Prop
observer	Dr Maura McLaughlin	Principal investigator
object	J1718-3718	Source name
dtycycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	259.541667	Observer's specified target RA [deg]
dec_targ	-37.313889	Observer's specified target Dec [deg]
ra_nom	259.54393845451	Nominal RA [deg]
dec_nom	-37.316043672445	Nominal Dec [deg]
roll_nom	280.28494415789	Nominal Roll [deg]
revision	2	Processing version of data
ontime	37679.997754097	Sum of GTIs [s]
livetime	34173.769049607	Livetime [s]
ontime7	37679.997754097	Sum of GTIs [s]
l2events	22126	Number of level 2 events



## 2 OBI

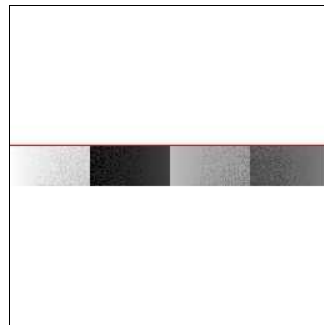
### 2.1 OBI

#### 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	37679.997754097	Sum of GTIs [s]
caldbver	4.4.10	&#160	ontime7	37679.997754097	Sum of GTIs [s]
date	2012-06-11T01:09:28	Date and time of file creation	l1events	43509	Number of level 1 events
revision	2	Processing version of data			

### 2.1.4 Events

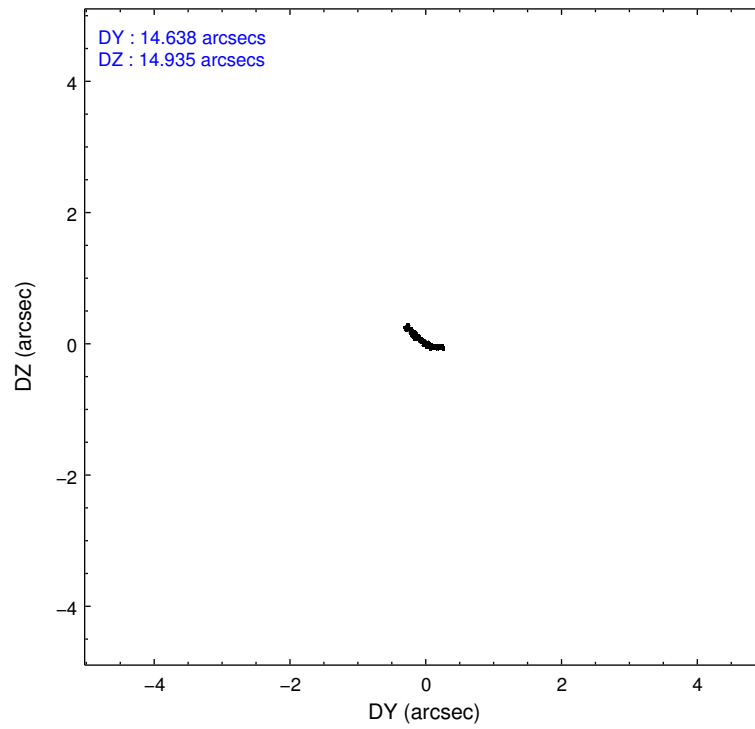
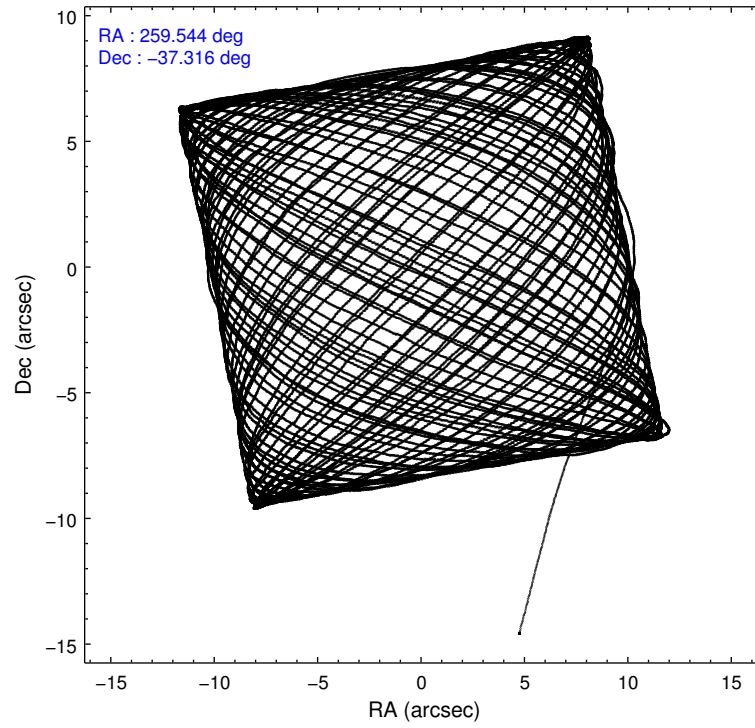
	<b>ccd 7</b>
level 1 events	43509
rejected events	20182
rejected %	46%

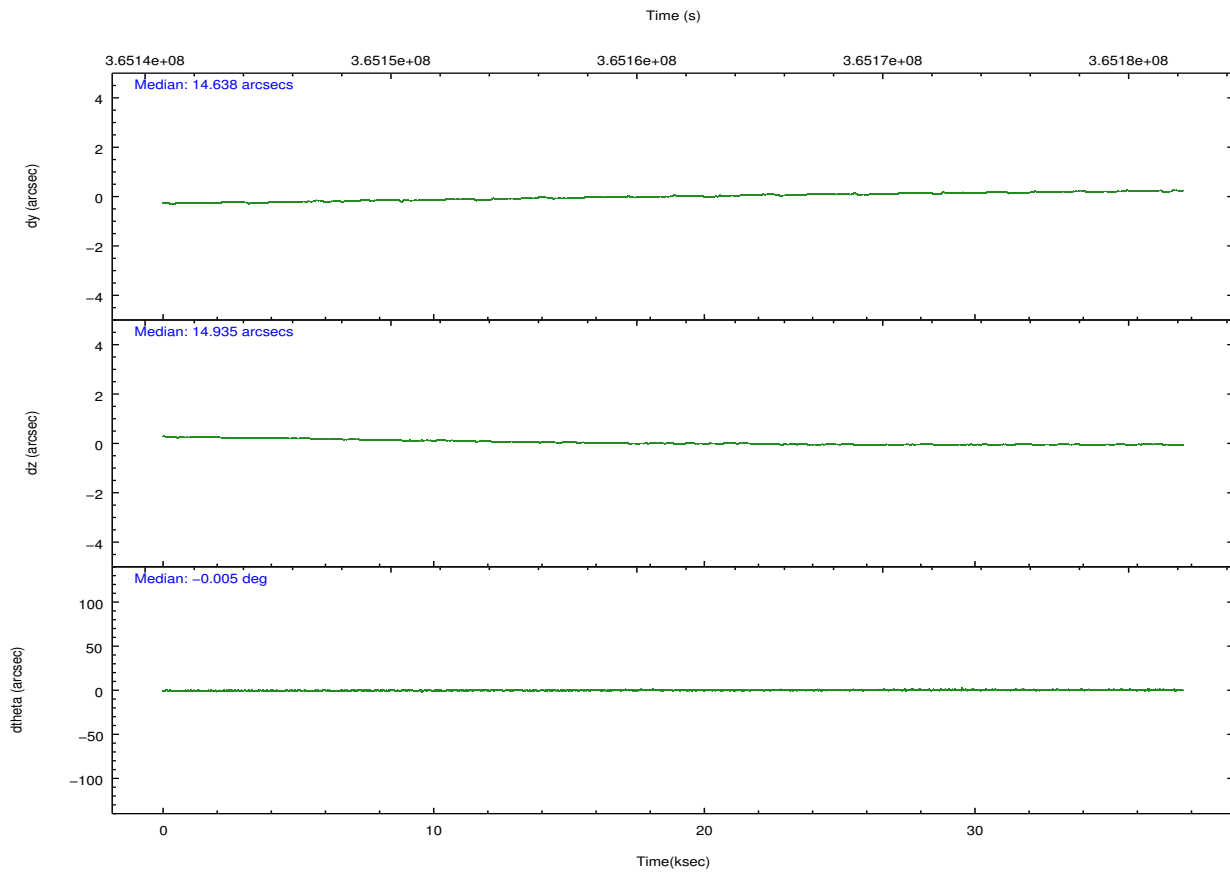
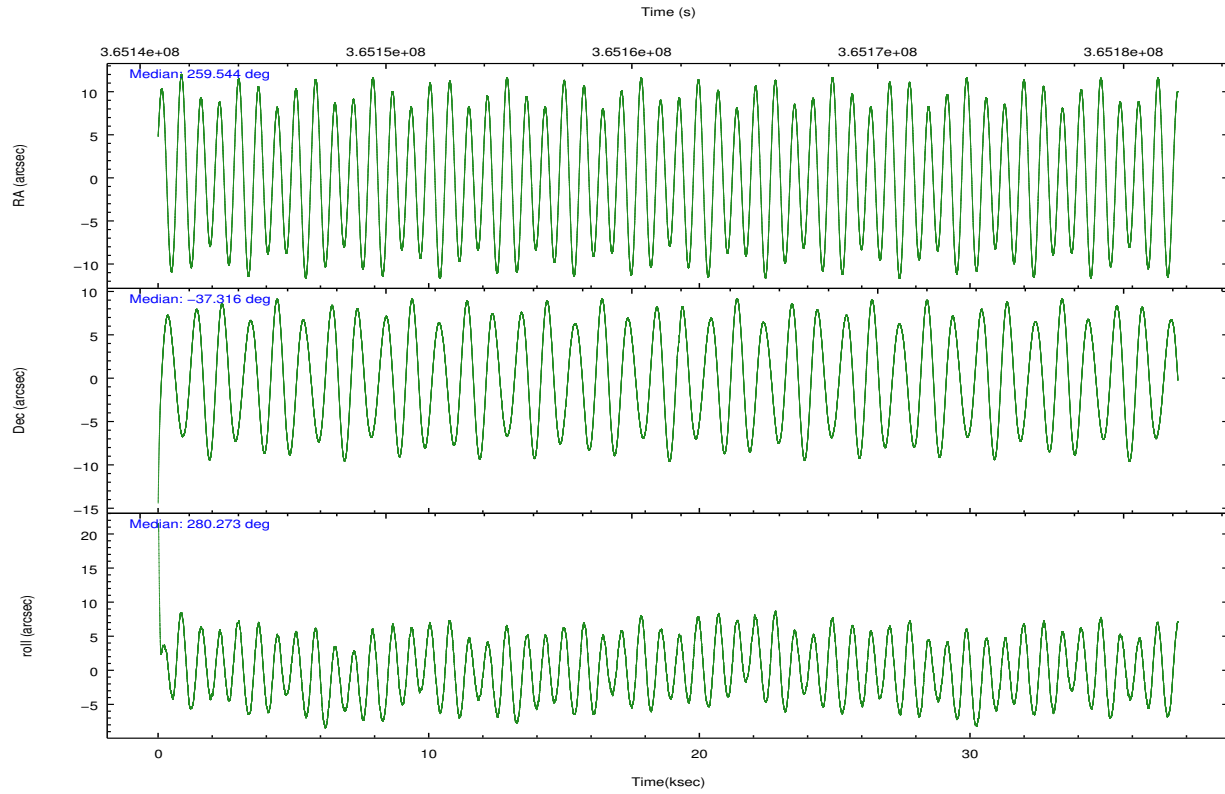
	<b>ccd 7</b>
grade 0 events	2741
	6%
grade 1 events	92
	0%
grade 2 events	4867
	11%
grade 3 events	3463
	7%
grade 4 events	3379
	7%
grade 5 events	4344
	9%
grade 6 events	9845
	22%
grade 7 events	14778
	33%

## 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	259.521350	259.5439384545056	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-37.295440	-37.31604367244454	Subarray start row	449	449
[deg] Pointing Roll	280.114624	280.2849441578938	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	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	365142808.184000	365141140.29264			
Observation start date	2009-07-28T04:32:22	2009-07-28T04:05:40			
[s] Observation end time (MET)	365180308.184000	365180809.84463			
Observation end date	2009-07-28T14:57:22	2009-07-28T15:06:49			
Read mode	TIMED	TIMED			

## 2.3 Aspect



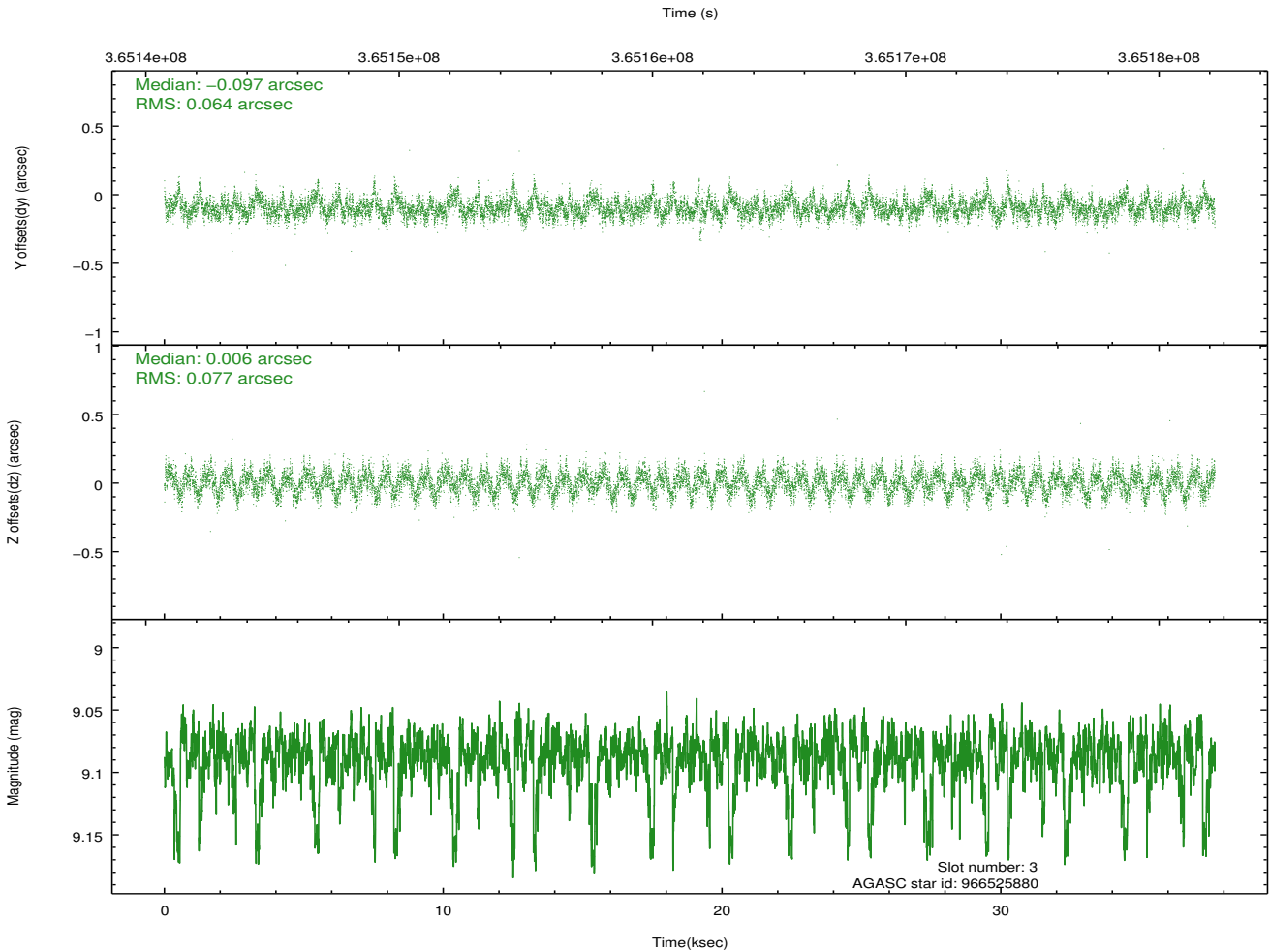
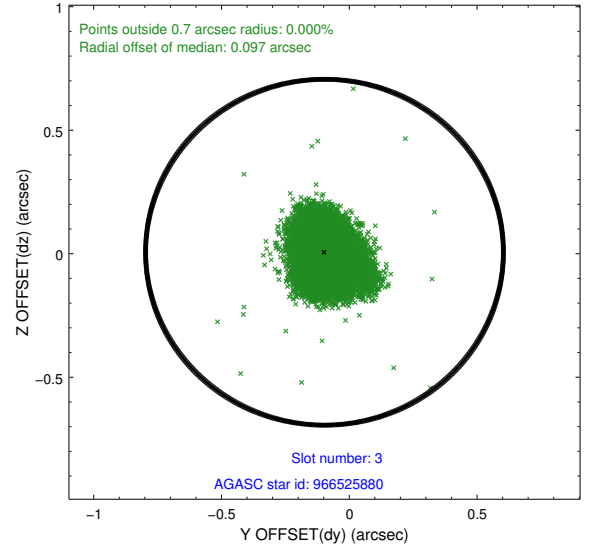
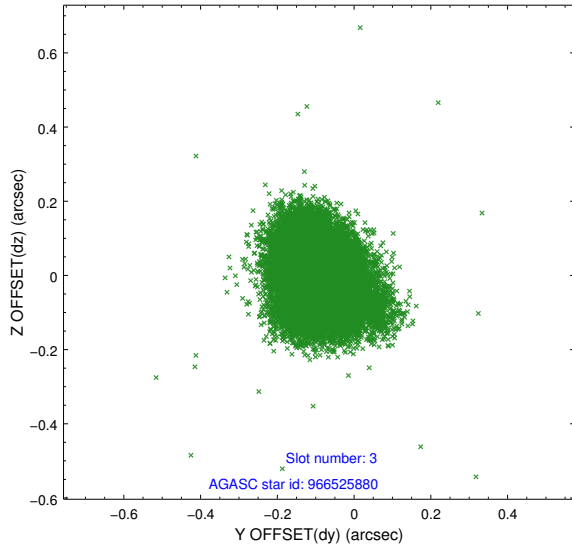


### Slot Statistics

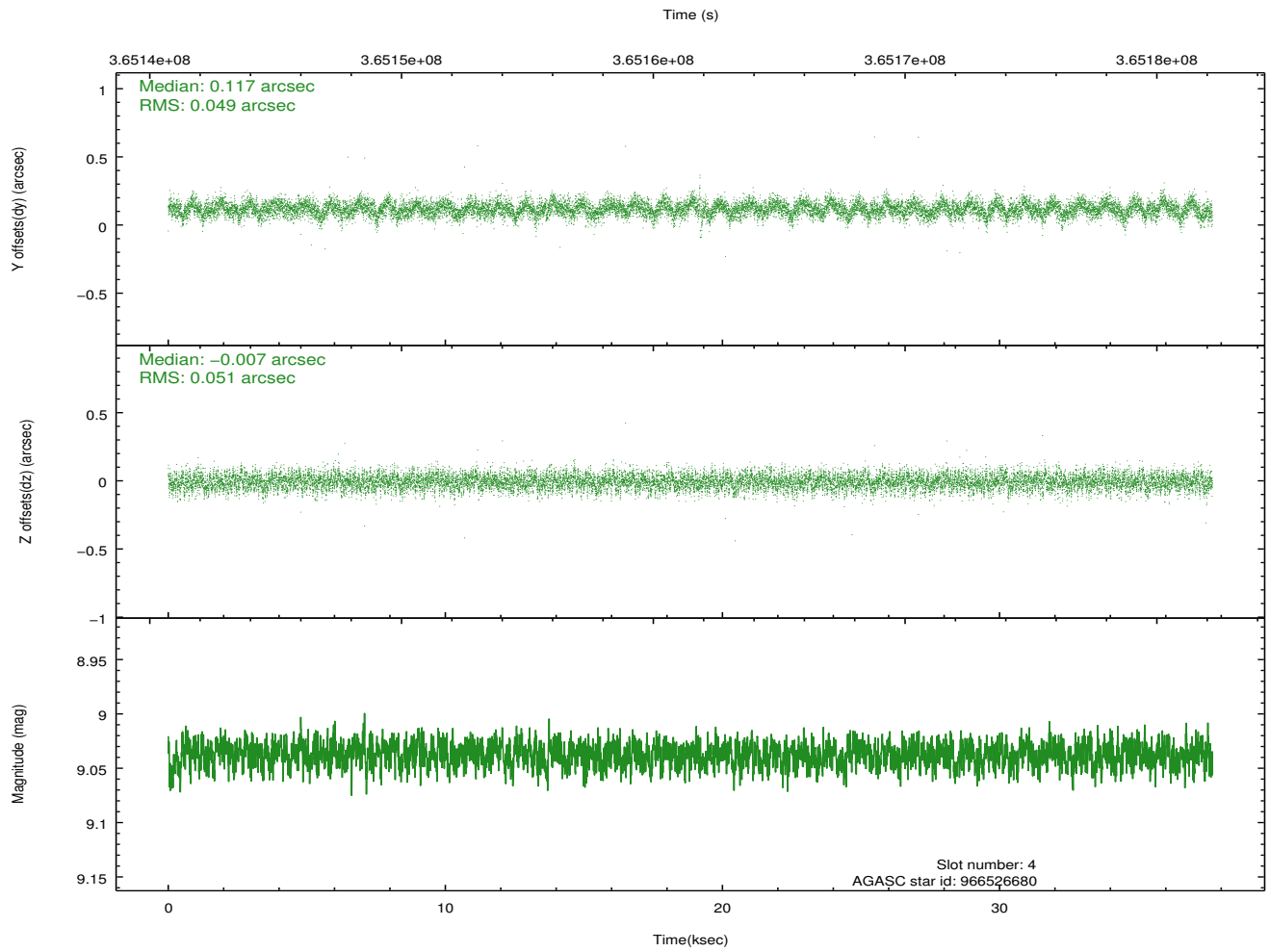
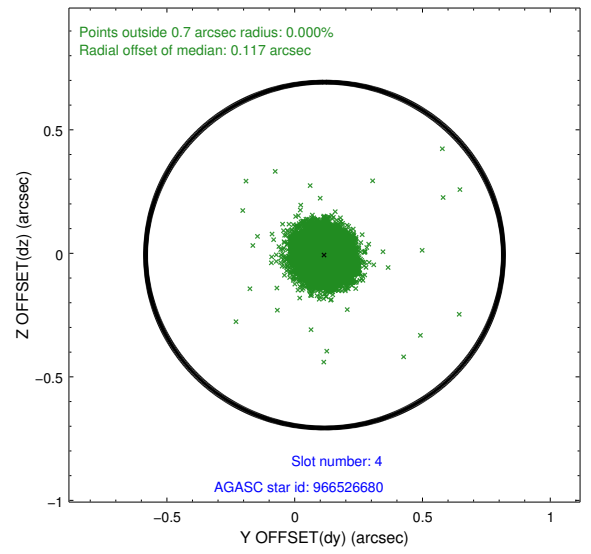
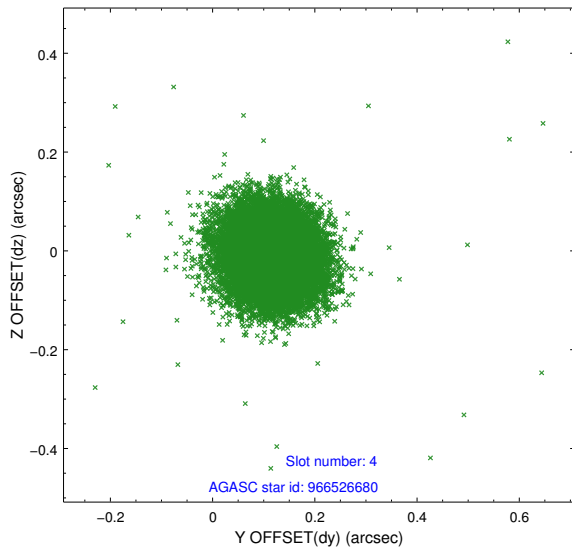
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.92	9191	-0.089	-0.029	0.008	0.014	0.000000	0.000000	-767.66	-1736.39
1	FID	ACIS-S-4	7.01	9191	0.211	0.051	0.006	0.012	0.000000	0.000000	2145.88	172.17
2	FID	ACIS-S-5	7.03	9191	-0.154	-0.013	0.007	0.012	0.000000	0.000000	-1820.56	165.77
3	GUIDE	966525880	9.09	18327	-0.097	0.006	0.106	0.173	260.250454	-37.024776	-583.32	2232.66
4	GUIDE	966526680	9.04	18367	0.117	-0.007	0.074	0.120	259.712281	-37.092655	-621.51	668.04
5	GUIDE	966527864	8.14	18374	-0.221	-0.021	0.062	0.099	259.198901	-37.409371	243.73	-979.78
6	GUIDE	966530176	8.77	18372	0.020	-0.040	0.080	0.130	260.167913	-36.682742	-1837.45	2223.70
7	GUIDE	966527920	8.36	18379	0.181	0.068	0.074	0.121	259.397566	-37.262380	-178.68	-327.94

## 2.4 Star Slots

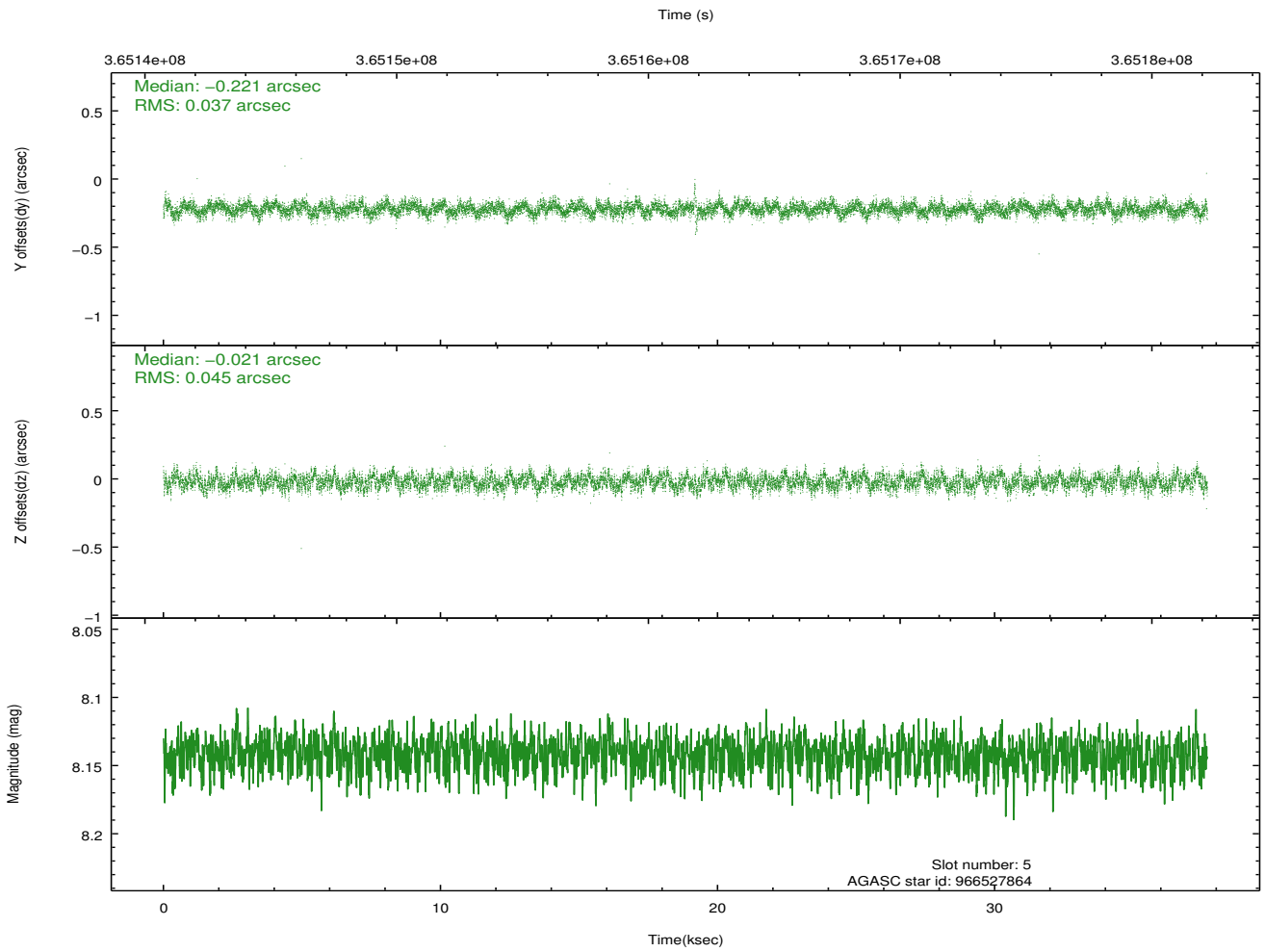
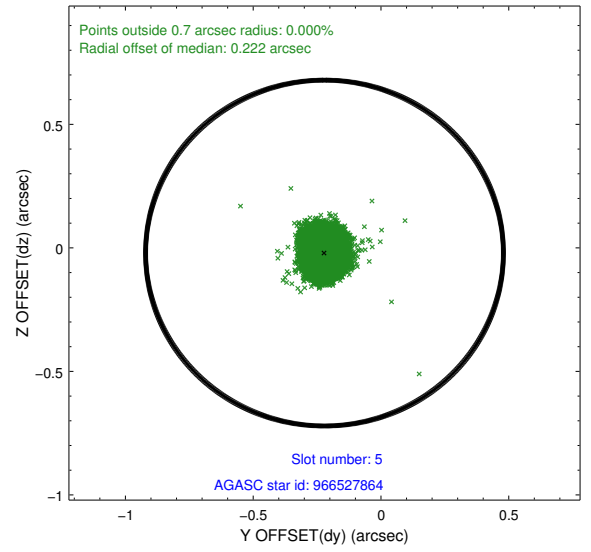
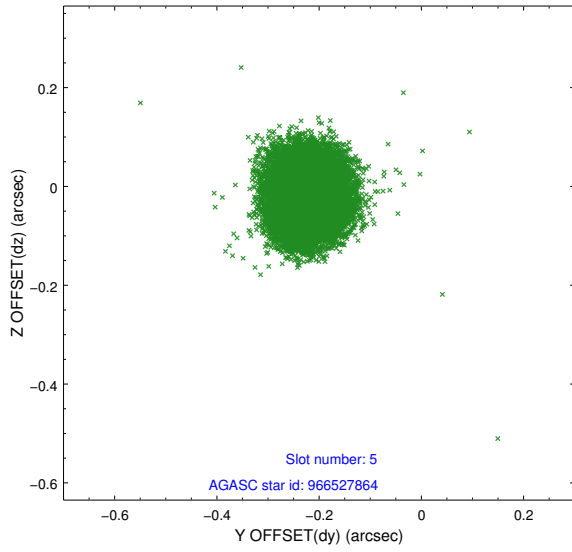
### 2.4.1 Slot 3



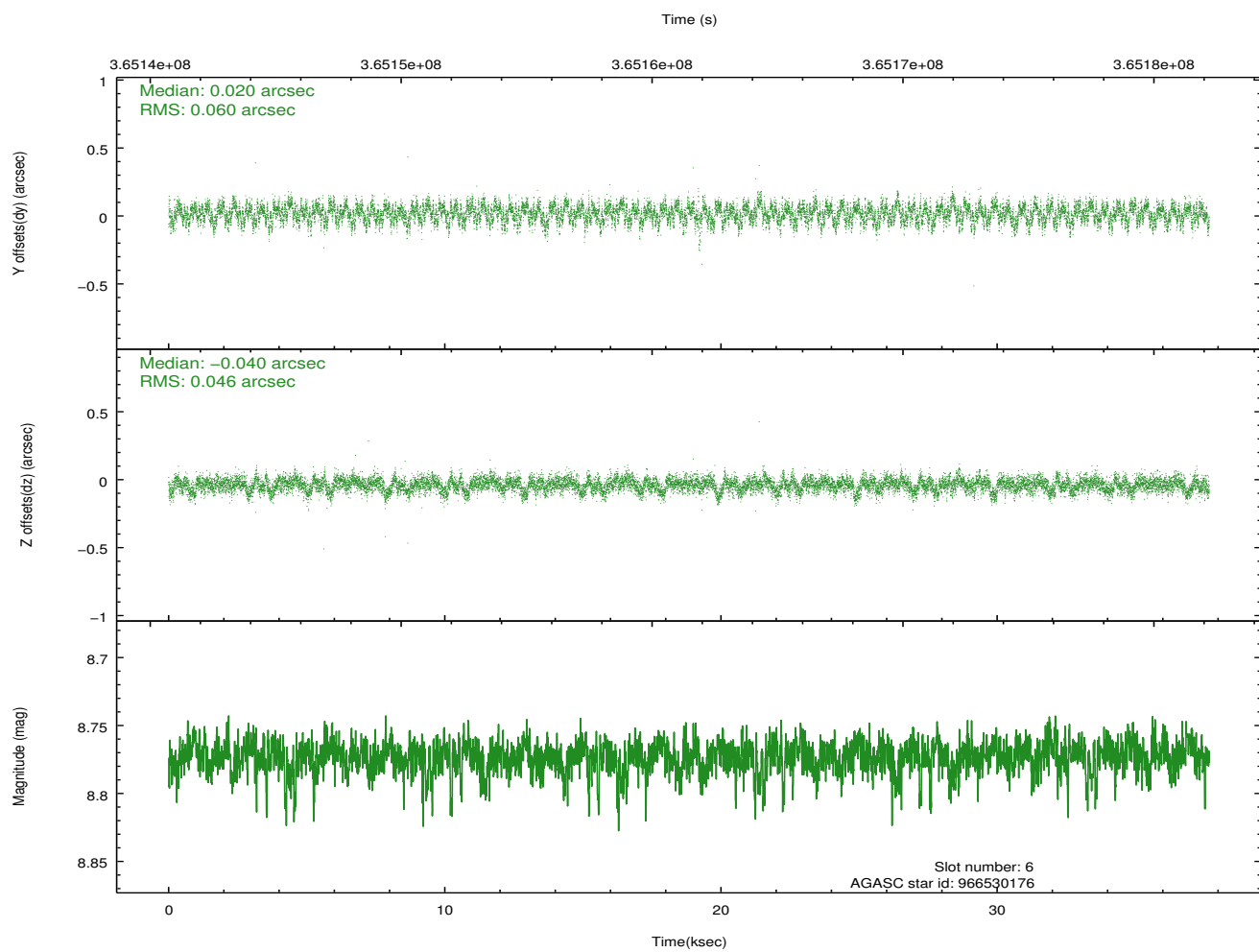
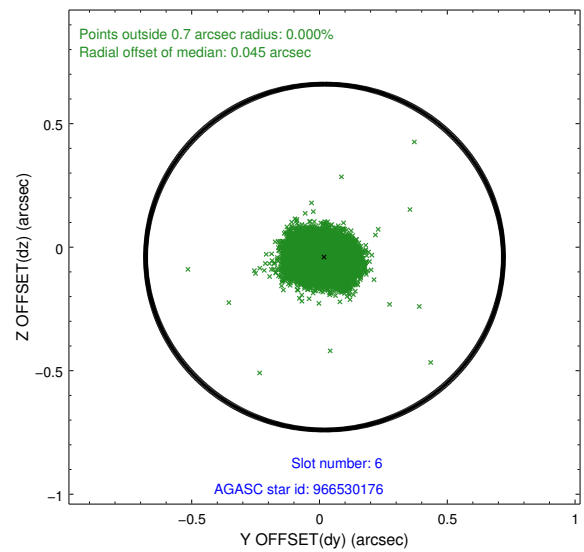
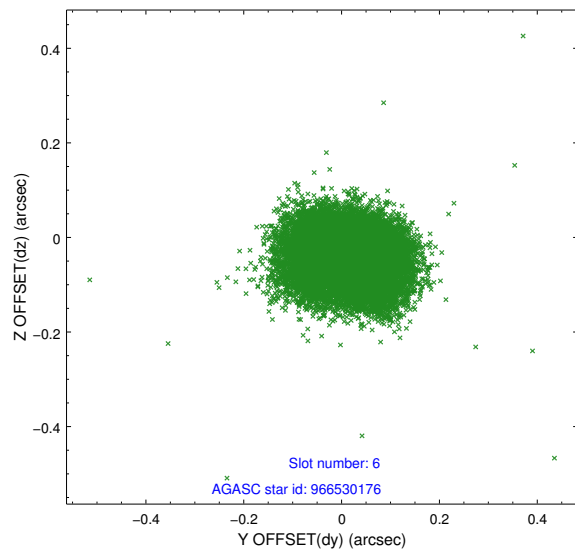
### 2.4.2 Slot 4



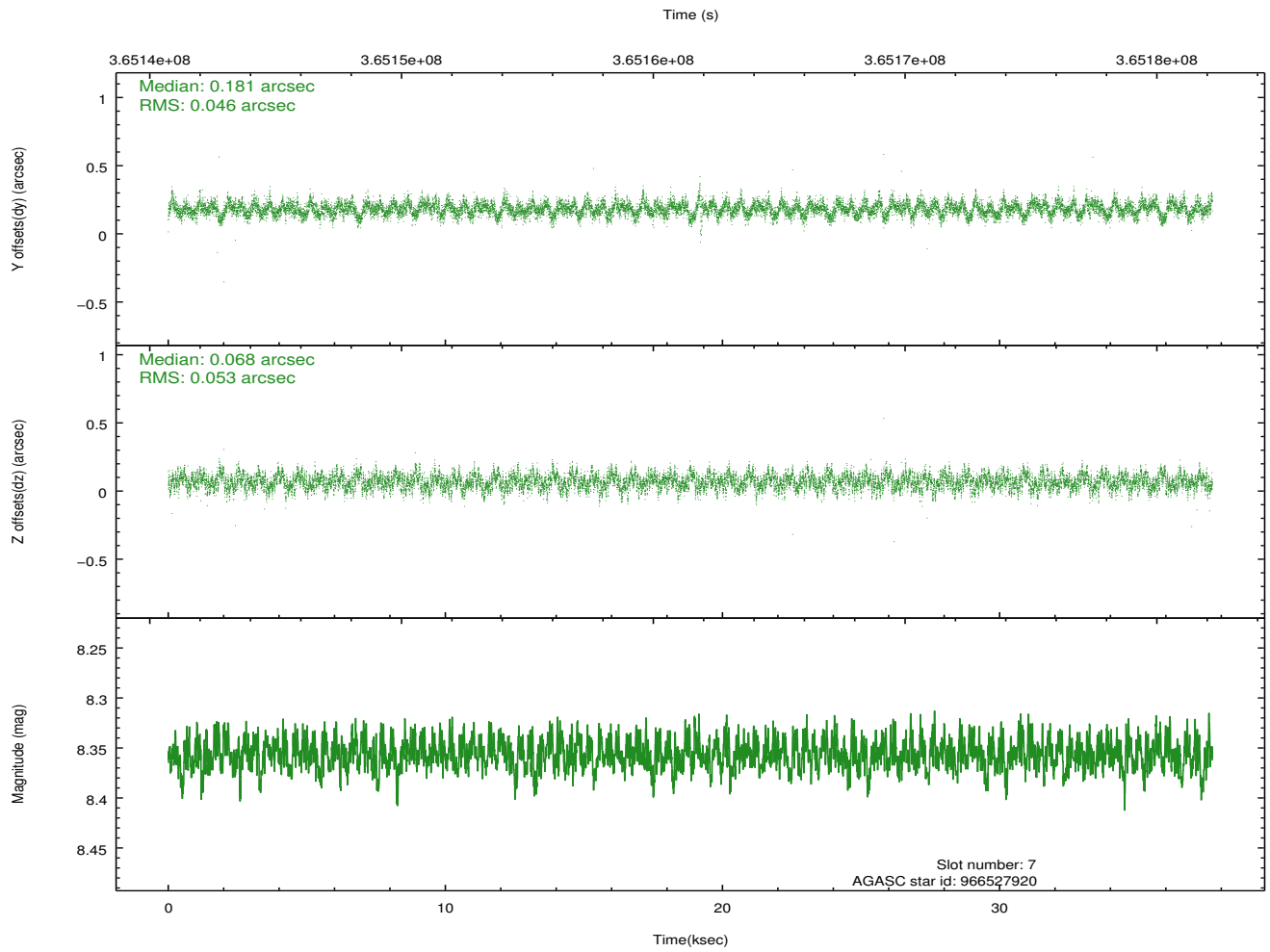
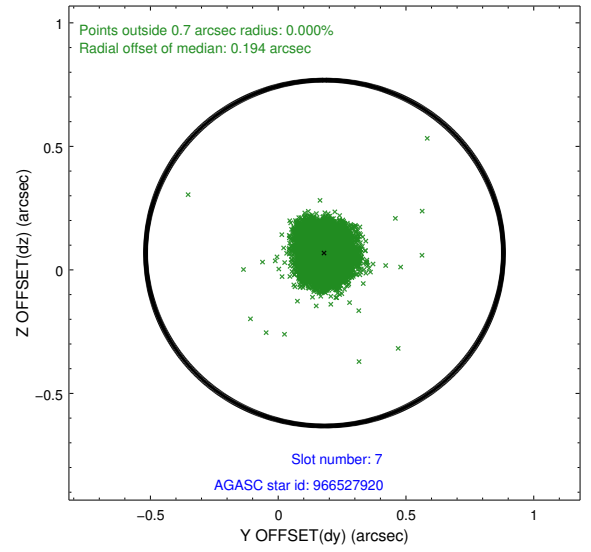
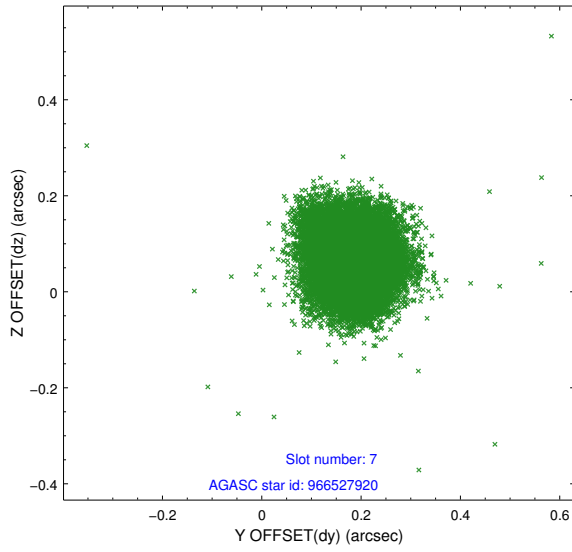
### 2.4.3 Slot 5



## 2.4.4 Slot 6

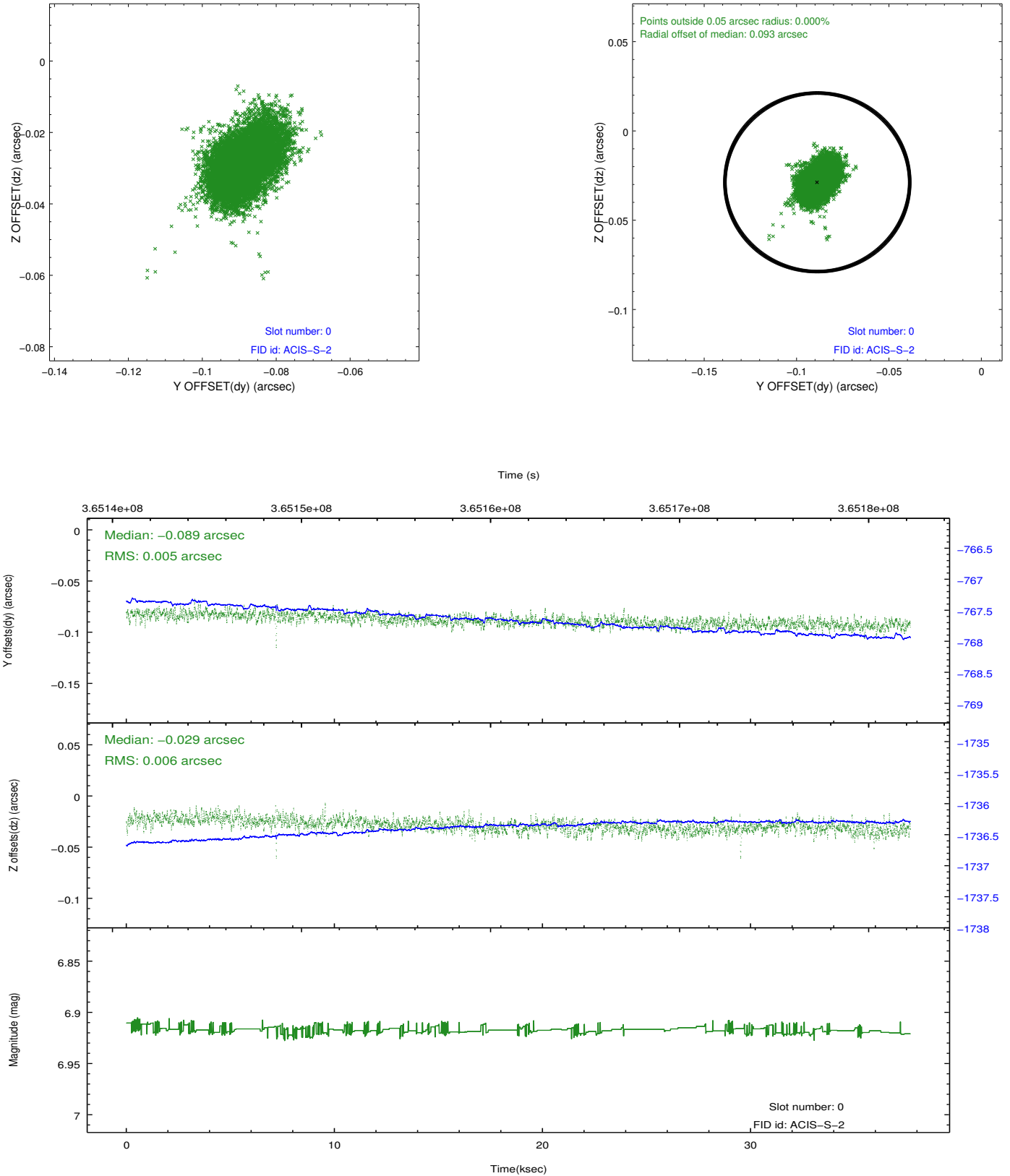


### 2.4.5 Slot 7

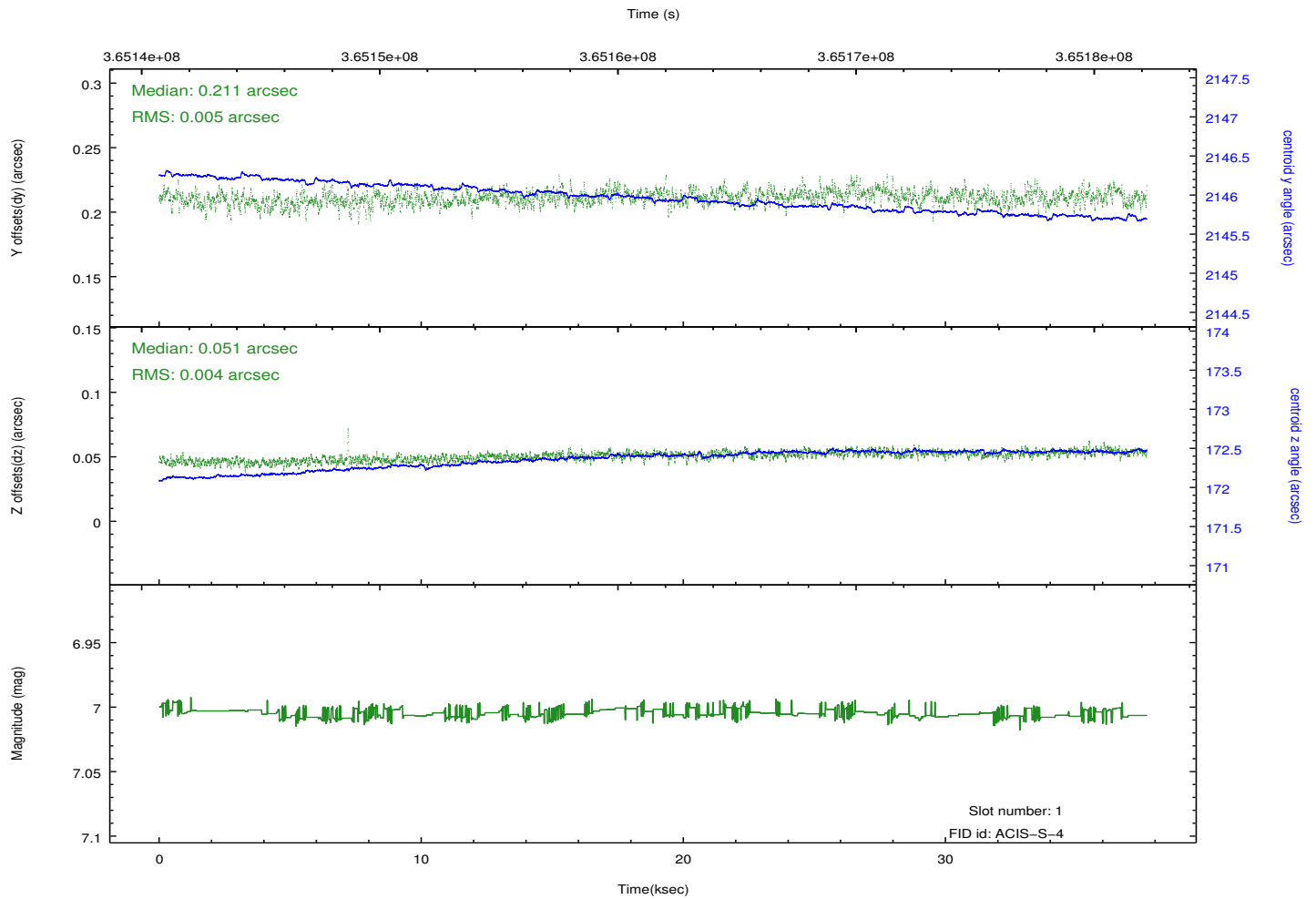
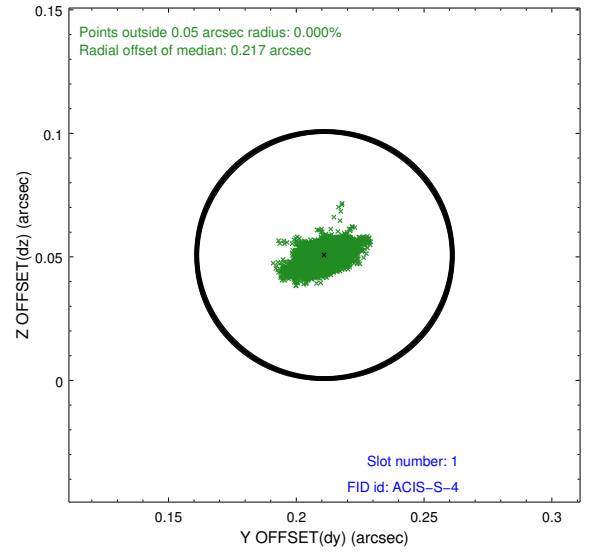
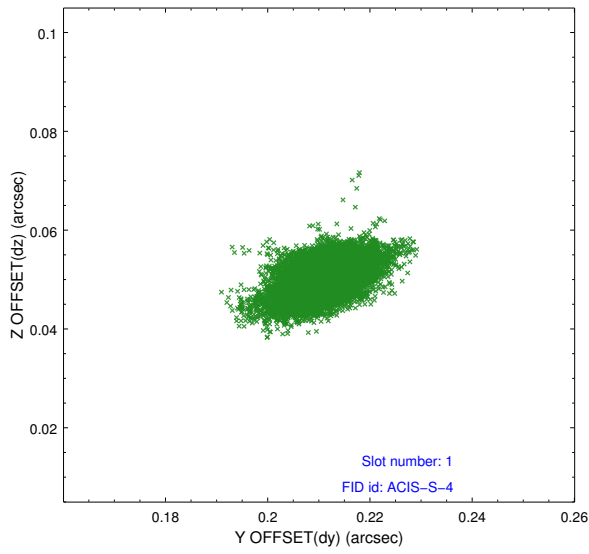


## 2.5 FID Slots

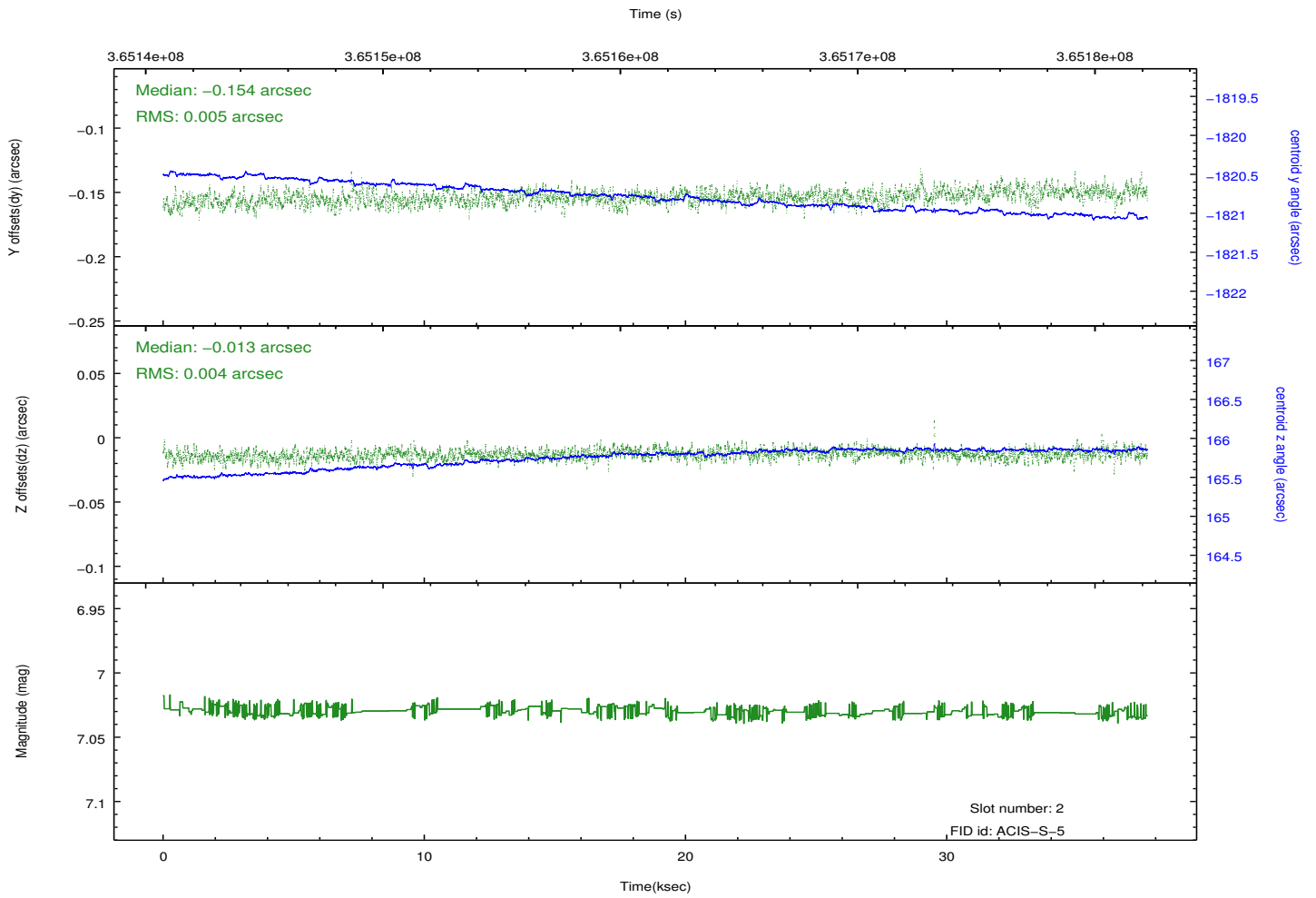
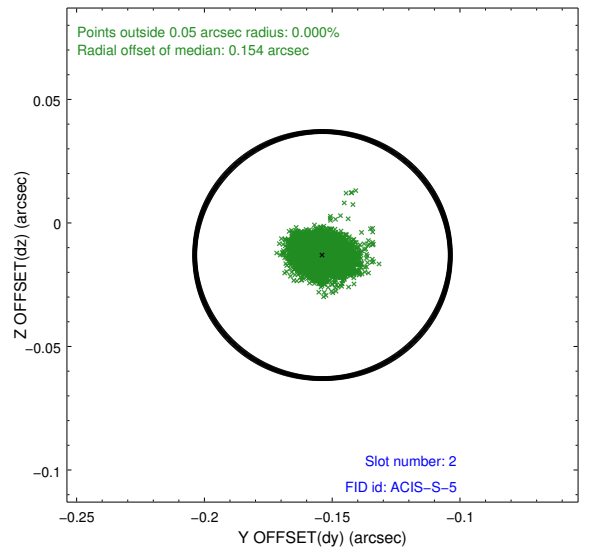
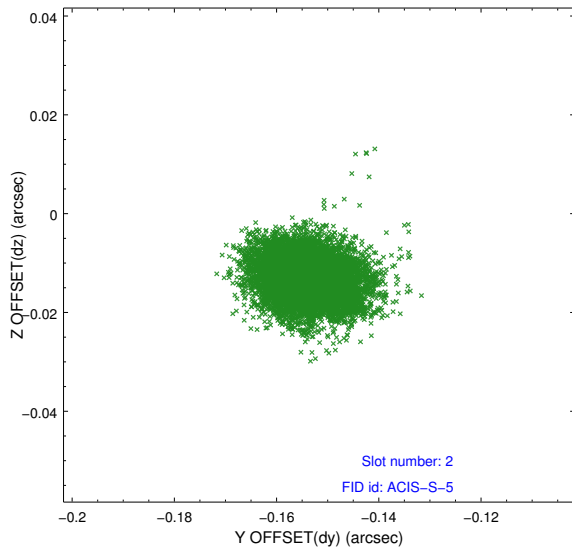
### 2.5.1 Slot 0



## 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)	2012.06.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	37.6799977

## A.2 Comments