

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 13630 - L2 Version 1  
Chandra X-Ray Center

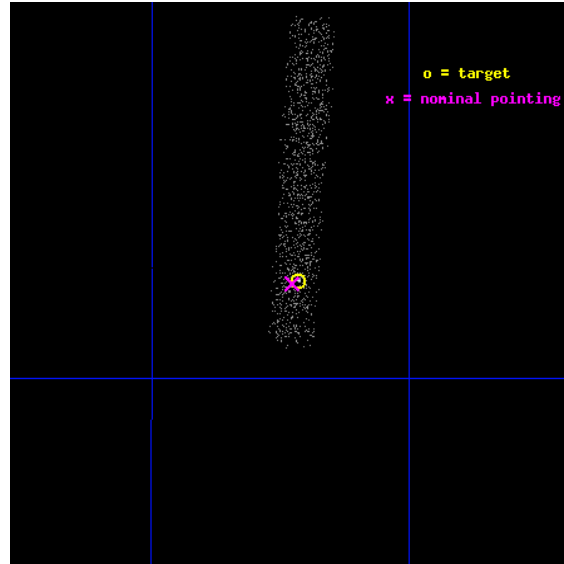
L2 Processing Date : Jan 12 2012

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# 1 Front

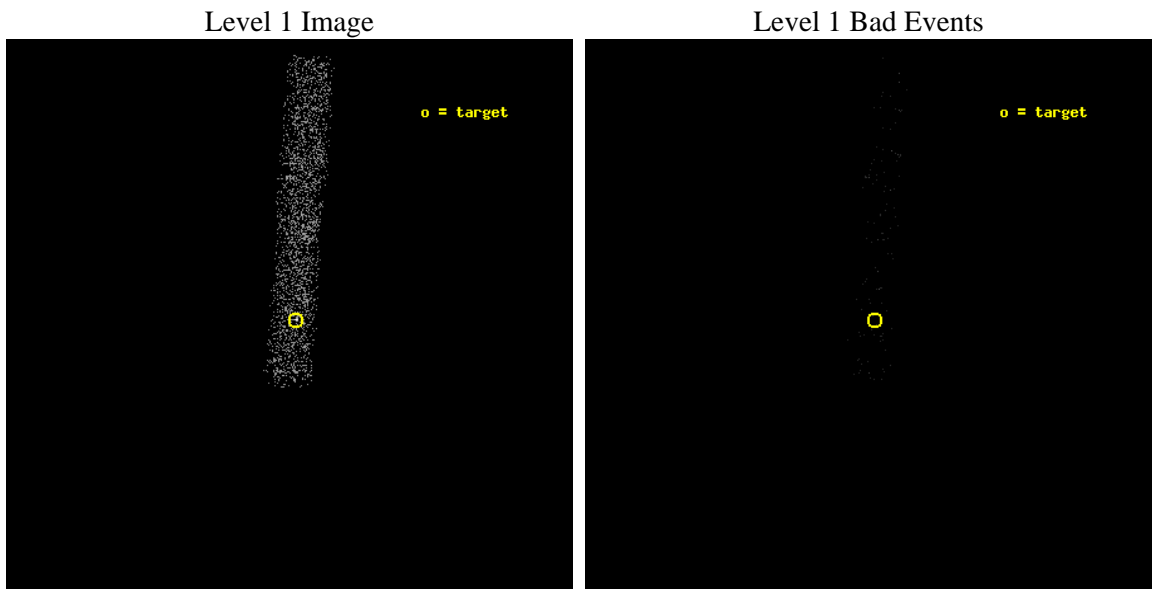
seq_num	200784	Sequence number
obs_id	13630	Observation id
title	A Search for X-ray Emission from Colliding Magnetospheres in Young Eccentric Stellar Binaries	Proposal title
observer	Dr. Konstantin Getman	Principal investigator
object	UZTauE_P1	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	68.179167	Observer's specified target RA [deg]
dec_targ	25.875306	Observer's specified target Dec [deg]
ra_nom	68.182042607882	Nominal RA [deg]
dec_nom	25.873913266842	Nominal Dec [deg]
roll_nom	274.18690323264	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3008.7998206615	Sum of GTIs [s]
livetime	2728.8226198636	Livetime [s]
ontime7	3008.7998206615	Sum of GTIs [s]
l2events	1483	Number of level 2 events



## 2 OBI

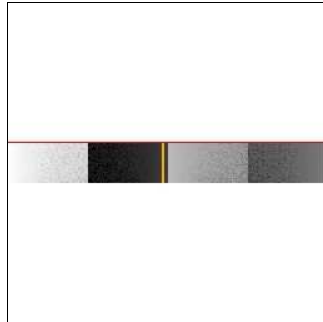
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	3008.7998206615	Sum of GTIs [s]
caldsver	4.4.7	&#160	ontime7	3008.7998206615	Sum of GTIs [s]
date	2012-01-12T19:09:16	Date and time of file creation	l1events	2776	Number of level 1 events
revision	1	Processing version of data			

### 2.1.4 Events

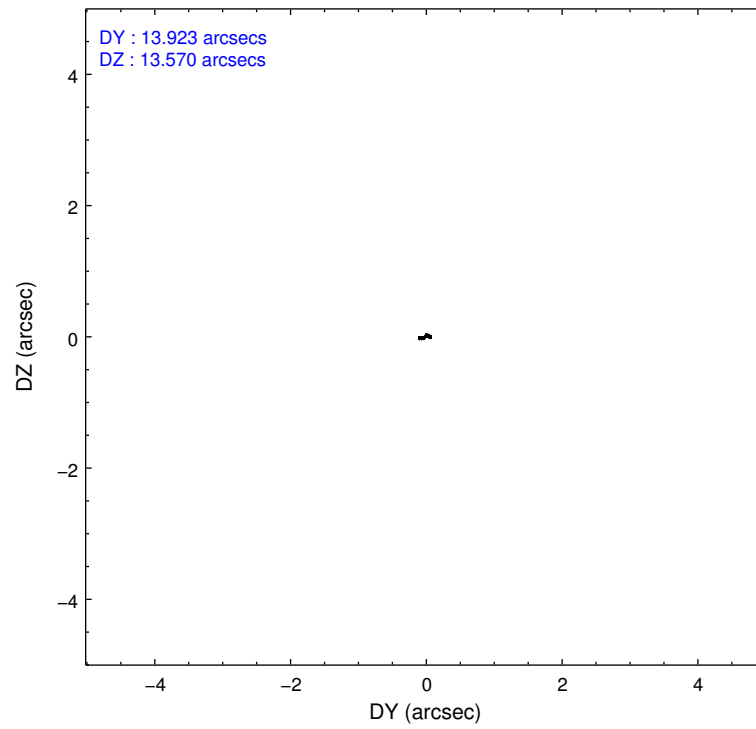
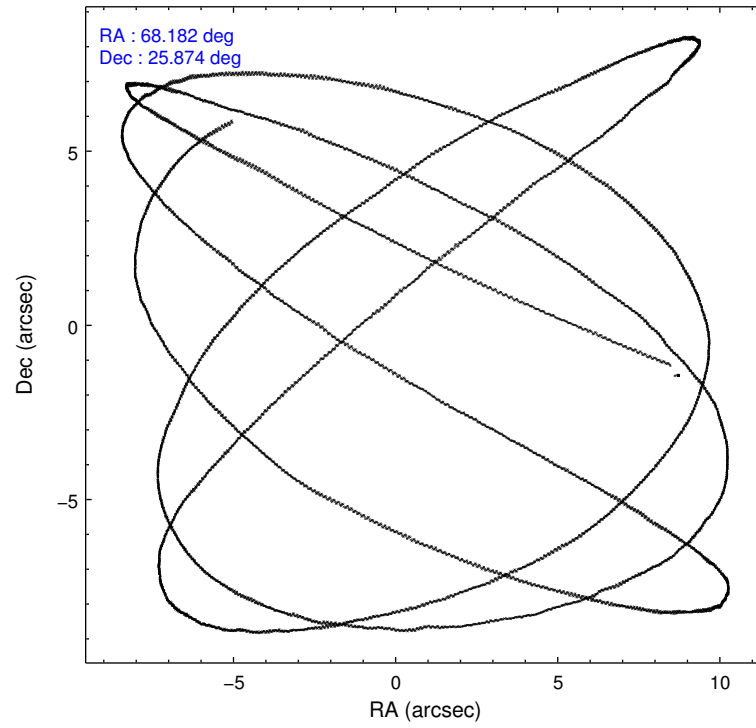
	<b>ccd 7</b>
level 1 events	2776
rejected events	1228
rejected %	44%

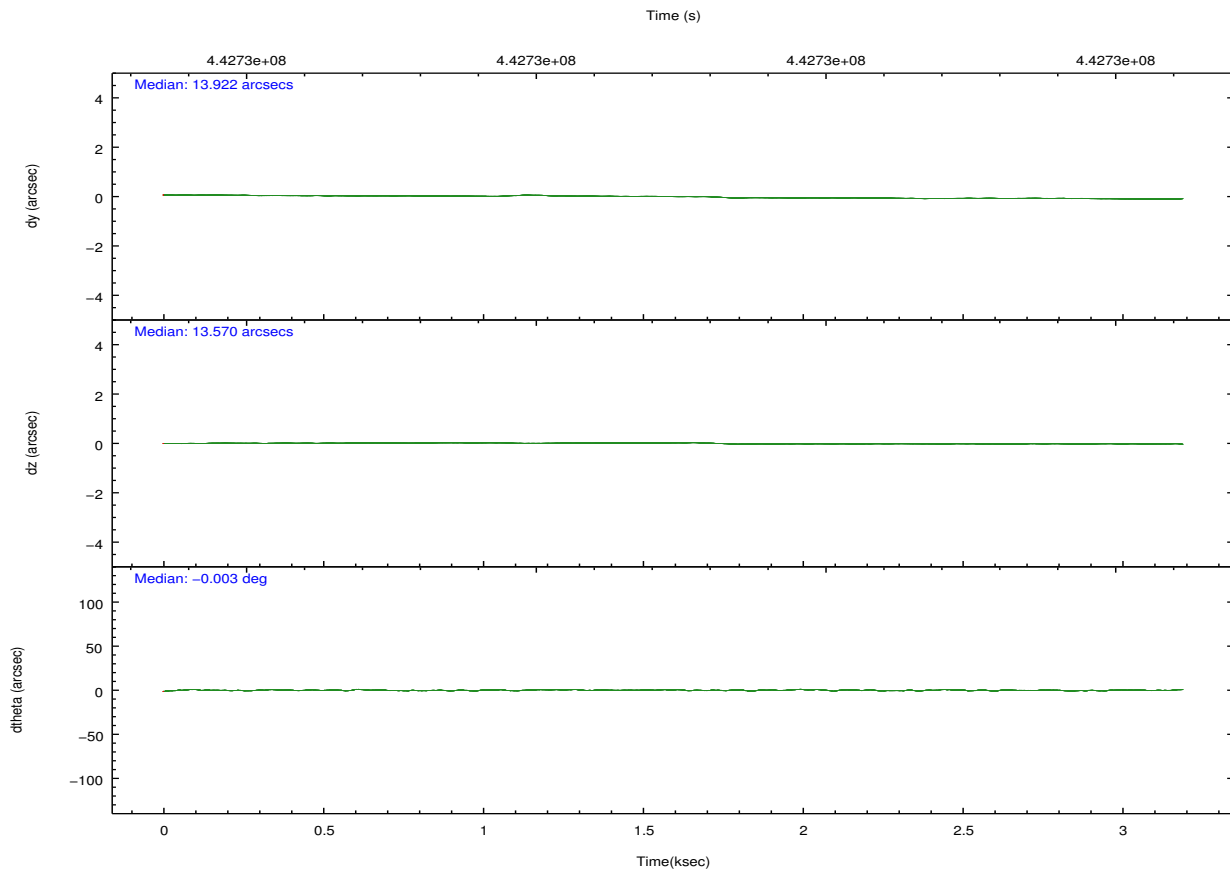
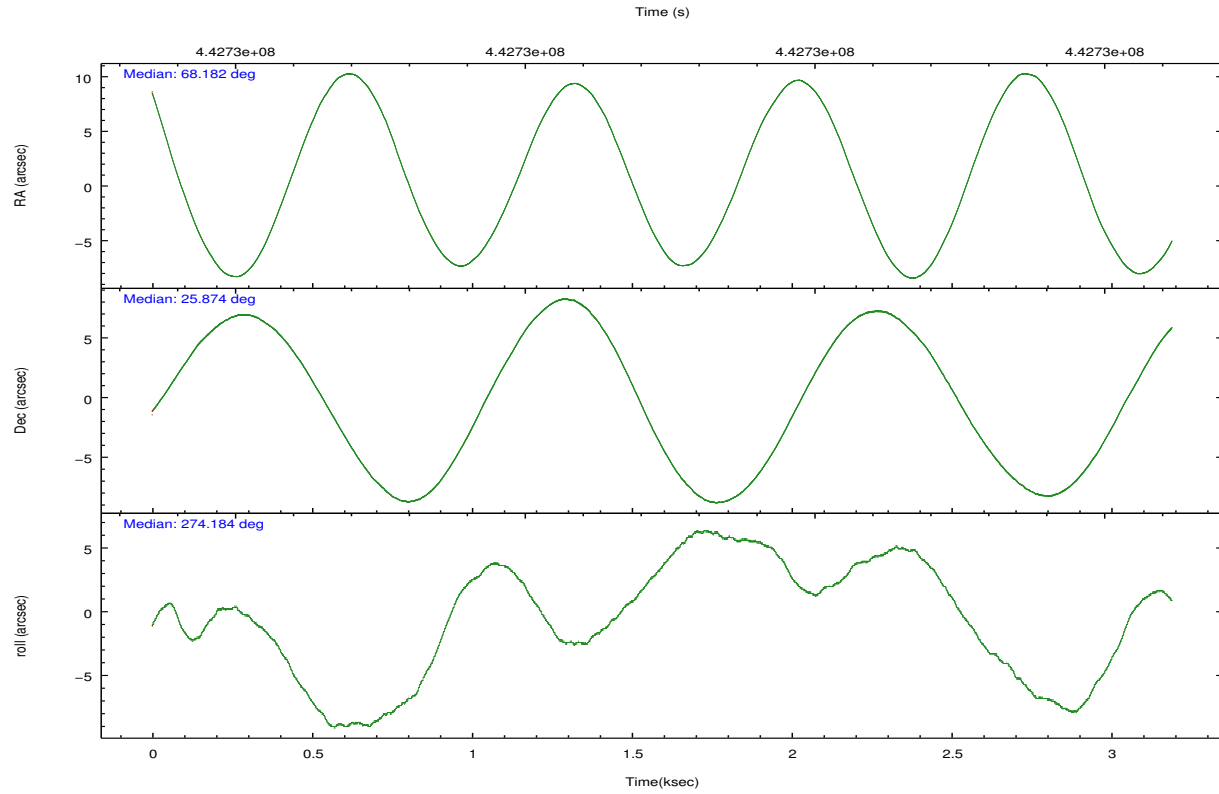
	<b>ccd 7</b>
grade 0 events	173
	6%
grade 1 events	4
	0%
grade 2 events	326
	11%
grade 3 events	206
	7%
grade 4 events	219
	7%
grade 5 events	252
	9%
grade 6 events	624
	22%
grade 7 events	972
	35%

## 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	68.164704	68.18204260788214	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	25.896277	25.87391326684223	Subarray start row	449	449
[deg] Pointing Roll	274.037833	274.1869032326367	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			
Phase constraints	Y	Y			
[d] Phase period	19.131000	19.131000			
[d] Phase epoch (MJD)	55613.144000	55613.144000			
Phase start	0.980000	0.980000			
Phase end	0.990000	0.990000			
Phase start error	0.010000	0.010000			
Phase end error	0.010000	0.010000			
[s] Observation start time (MET)	442728060.184000	442727411.18429			
Observation start date	2012-01-12T03:59:54	2012-01-12T03:50:11			
[s] Observation end time (MET)	442731060.184000	442732117.47204			
Observation end date	2012-01-12T04:49:54	2012-01-12T05:08:37			
Read mode	TIMED	TIMED			

## 2.3 Aspect





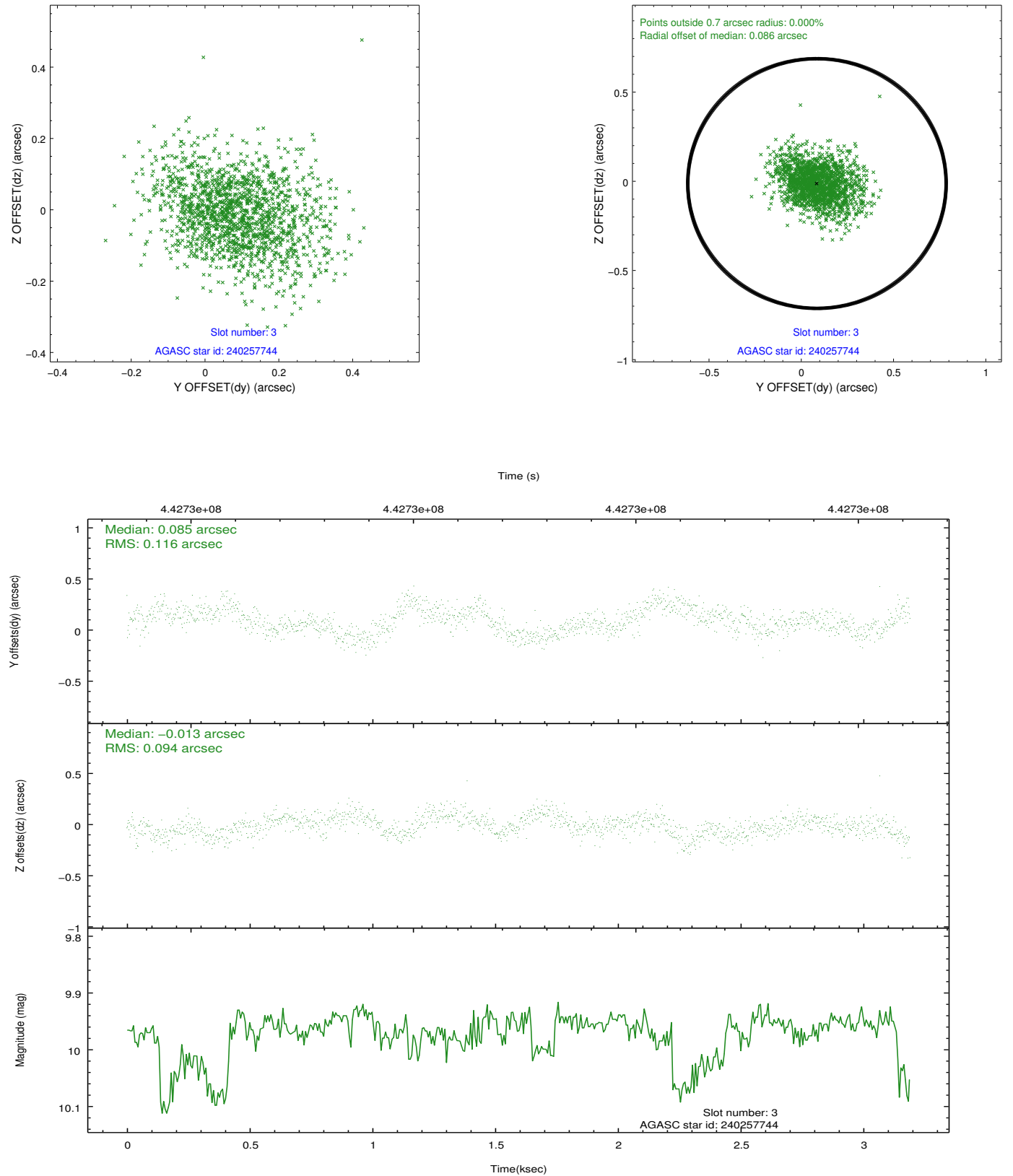
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.96	779	-0.074	-0.069	0.007	0.012	0.000000	0.000000	-766.94	-1734.97
1	FID	ACIS-S-4	7.05	779	0.261	0.055	0.006	0.010	0.000000	0.000000	2145.78	171.54
2	FID	ACIS-S-5	7.08	779	-0.217	0.024	0.007	0.011	0.000000	0.000000	-1817.35	167.50
3	GUIDE	240257744	9.97	1553	0.085	-0.013	0.155	0.265	68.732993	25.359775	2053.37	1708.73
4	GUIDE	240259648	9.05	1556	-0.022	0.248	0.127	0.207	68.773335	25.433463	1798.39	1858.76
5	GUIDE	240260568	10.07	1543	-0.125	-0.175	0.157	0.257	68.738938	25.619304	1123.20	1791.01
6	GUIDE	240262768	9.50	1555	0.093	-0.183	0.154	0.242	67.530724	25.449416	1456.02	-2167.24
7	GUIDE	240780704	9.34	1555	-0.026	0.122	0.110	0.182	67.945198	26.407108	-1883.55	-577.44

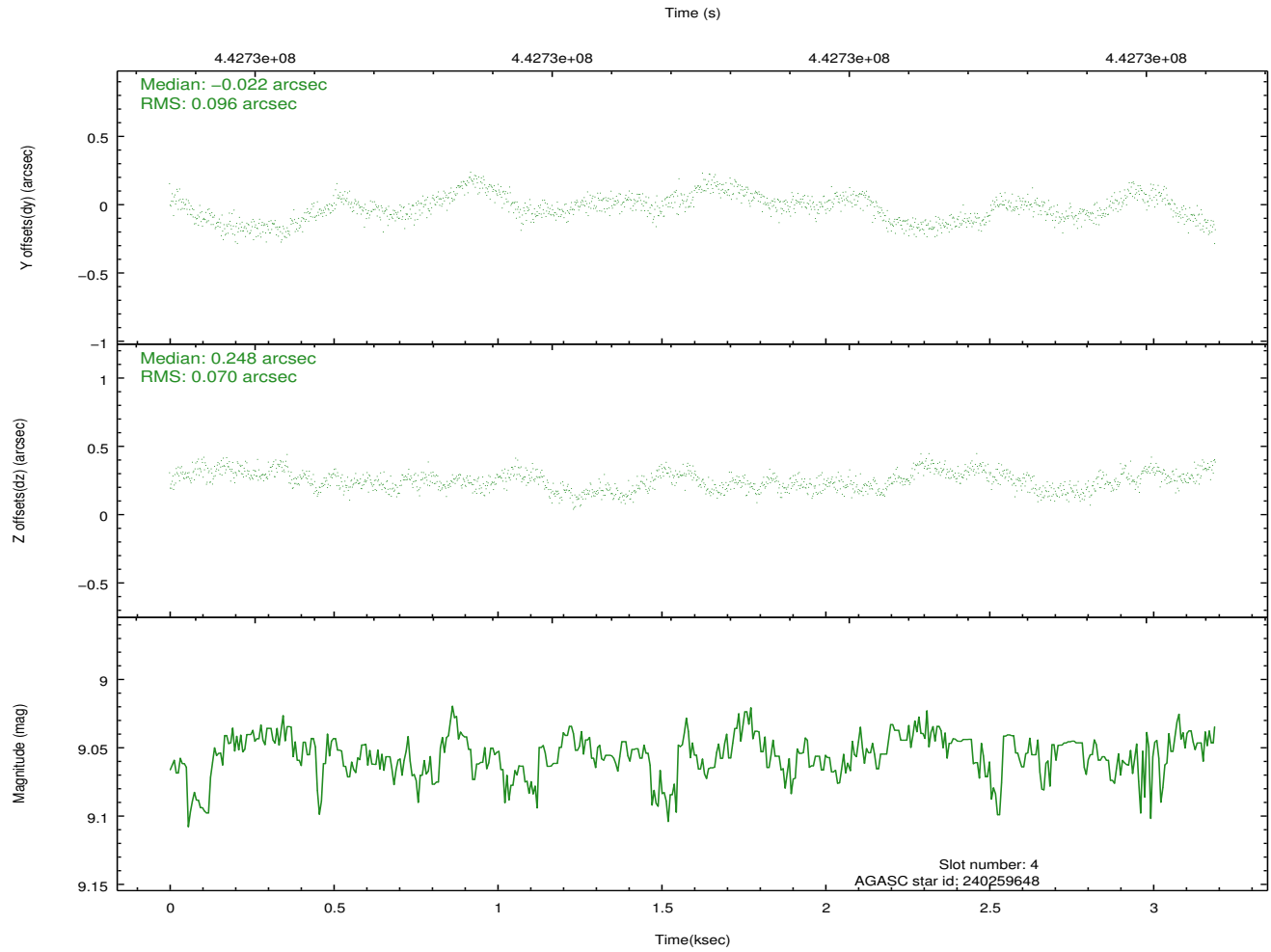
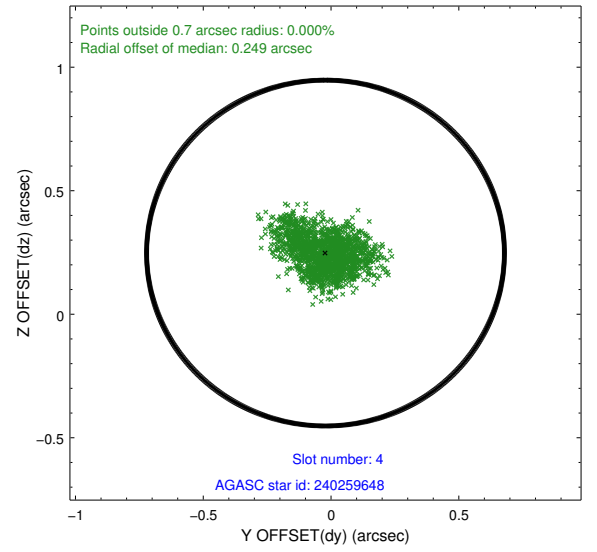
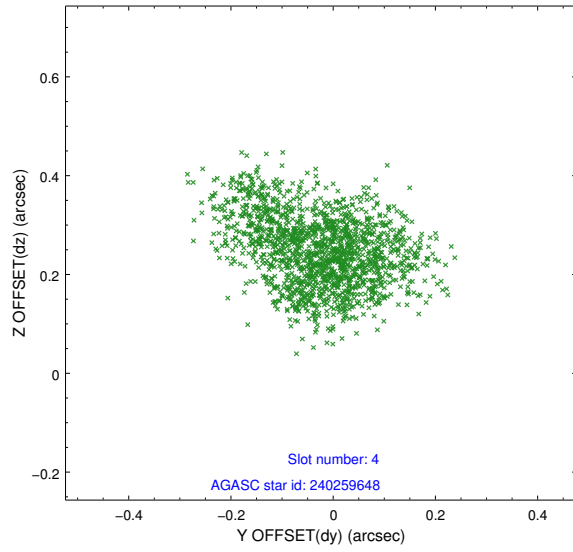


## 2.4 Star Slots

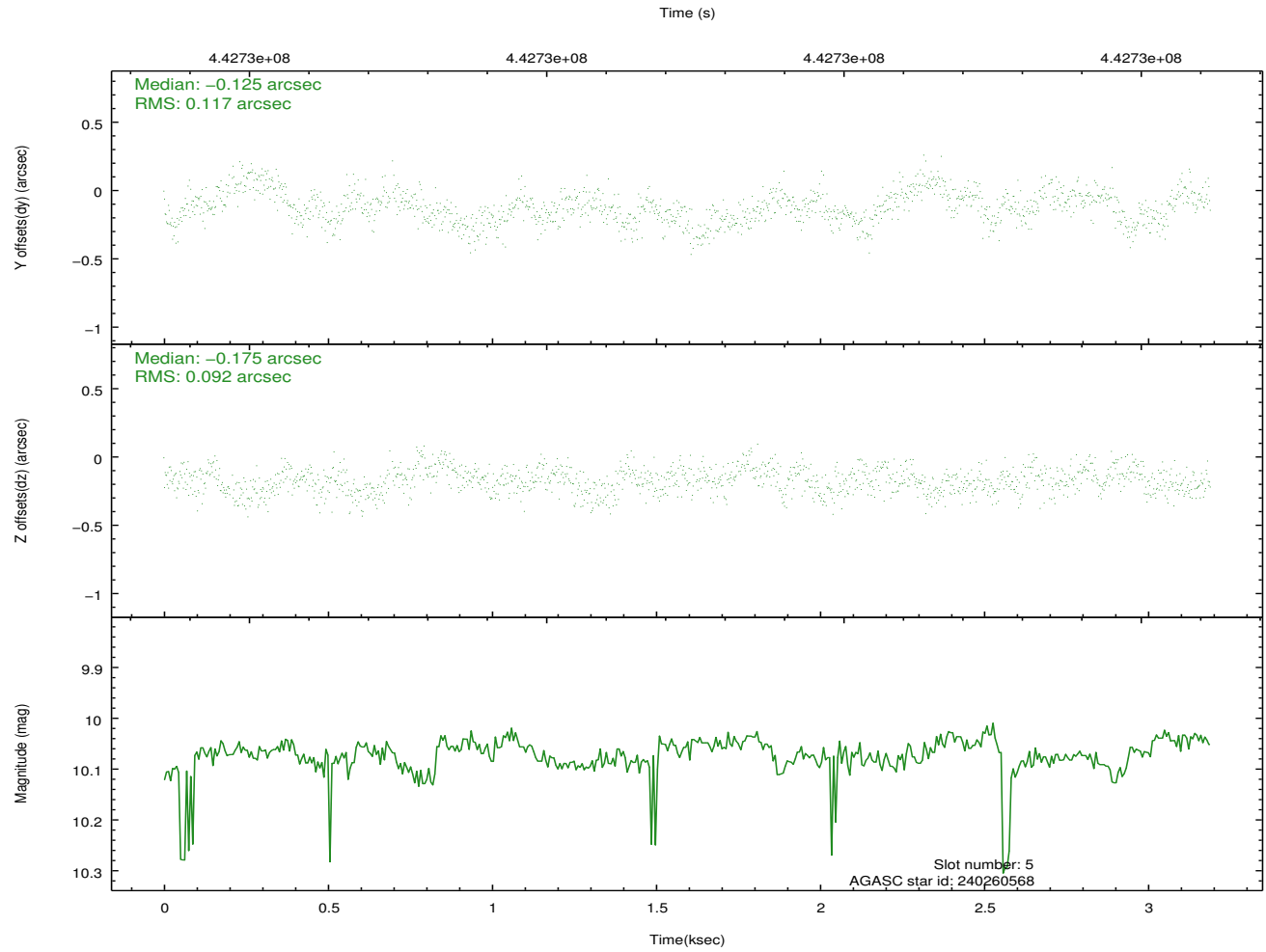
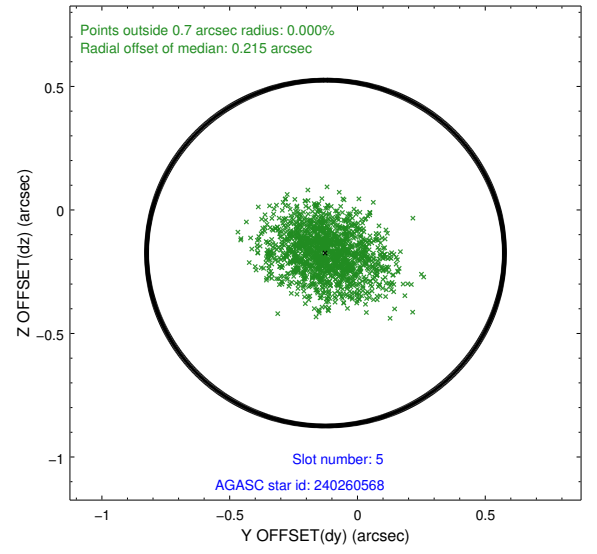
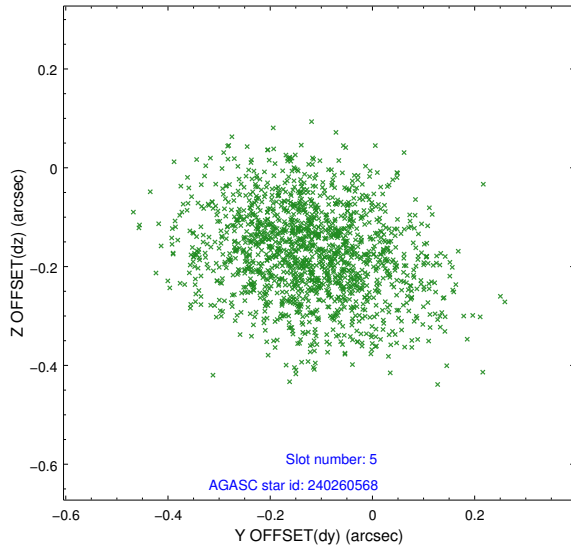
### 2.4.1 Slot 3



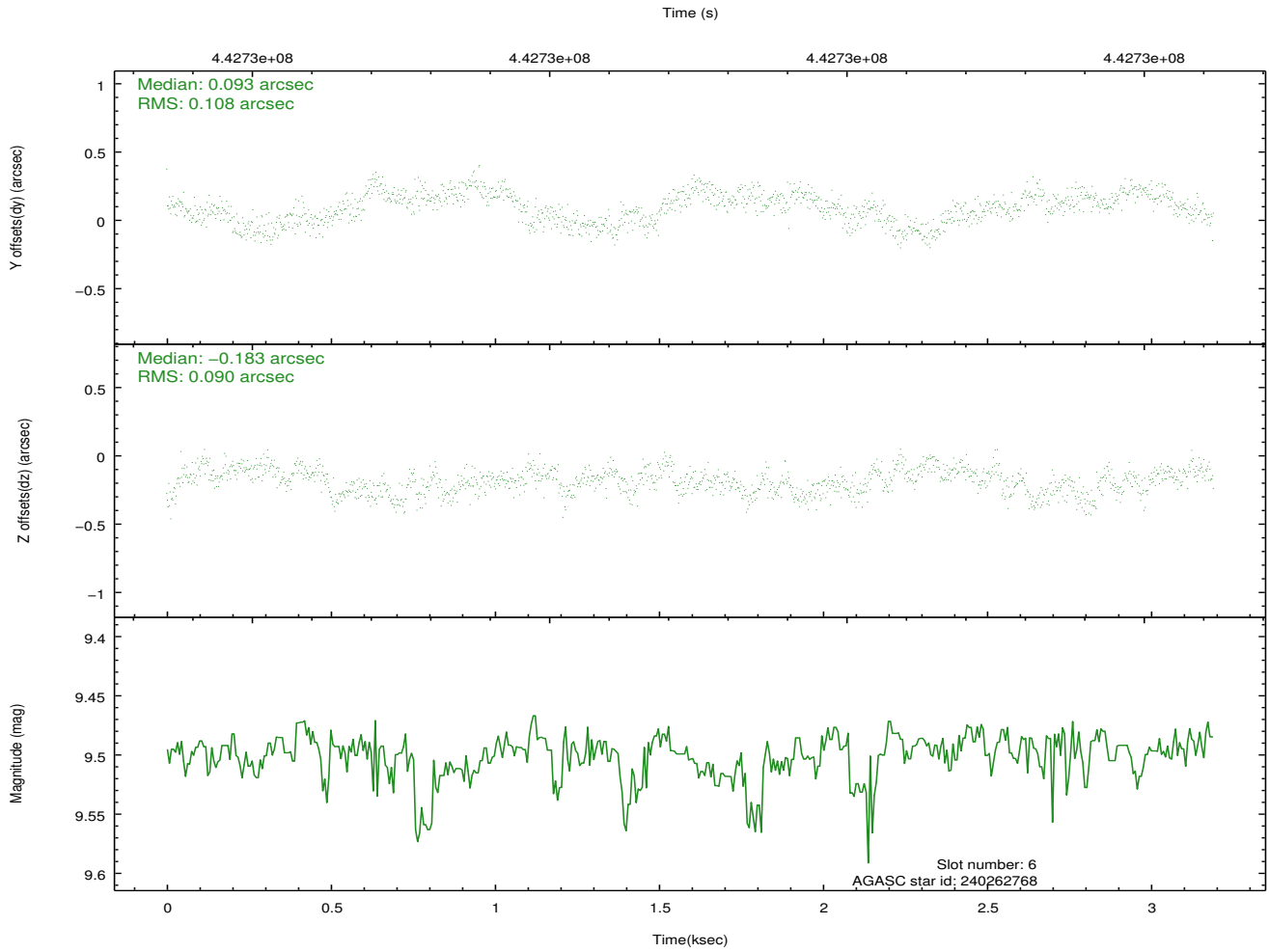
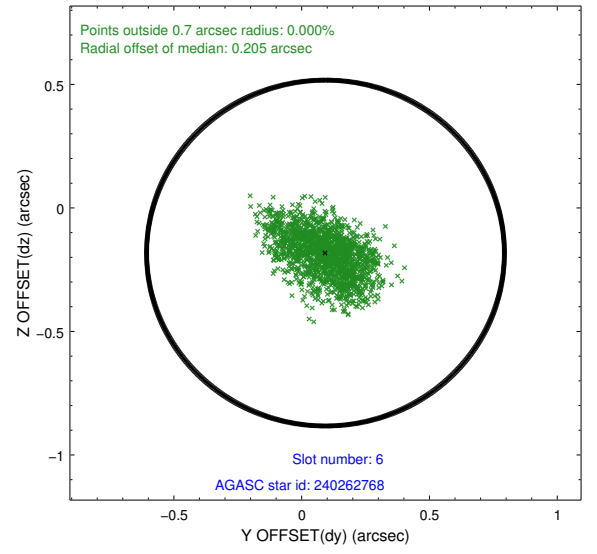
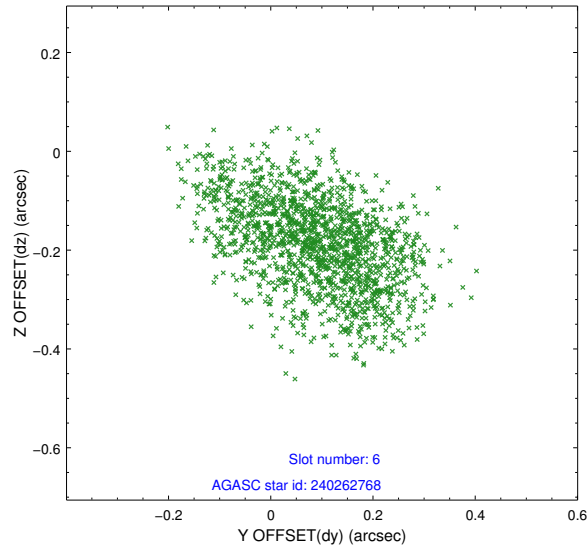
## 2.4.2 Slot 4



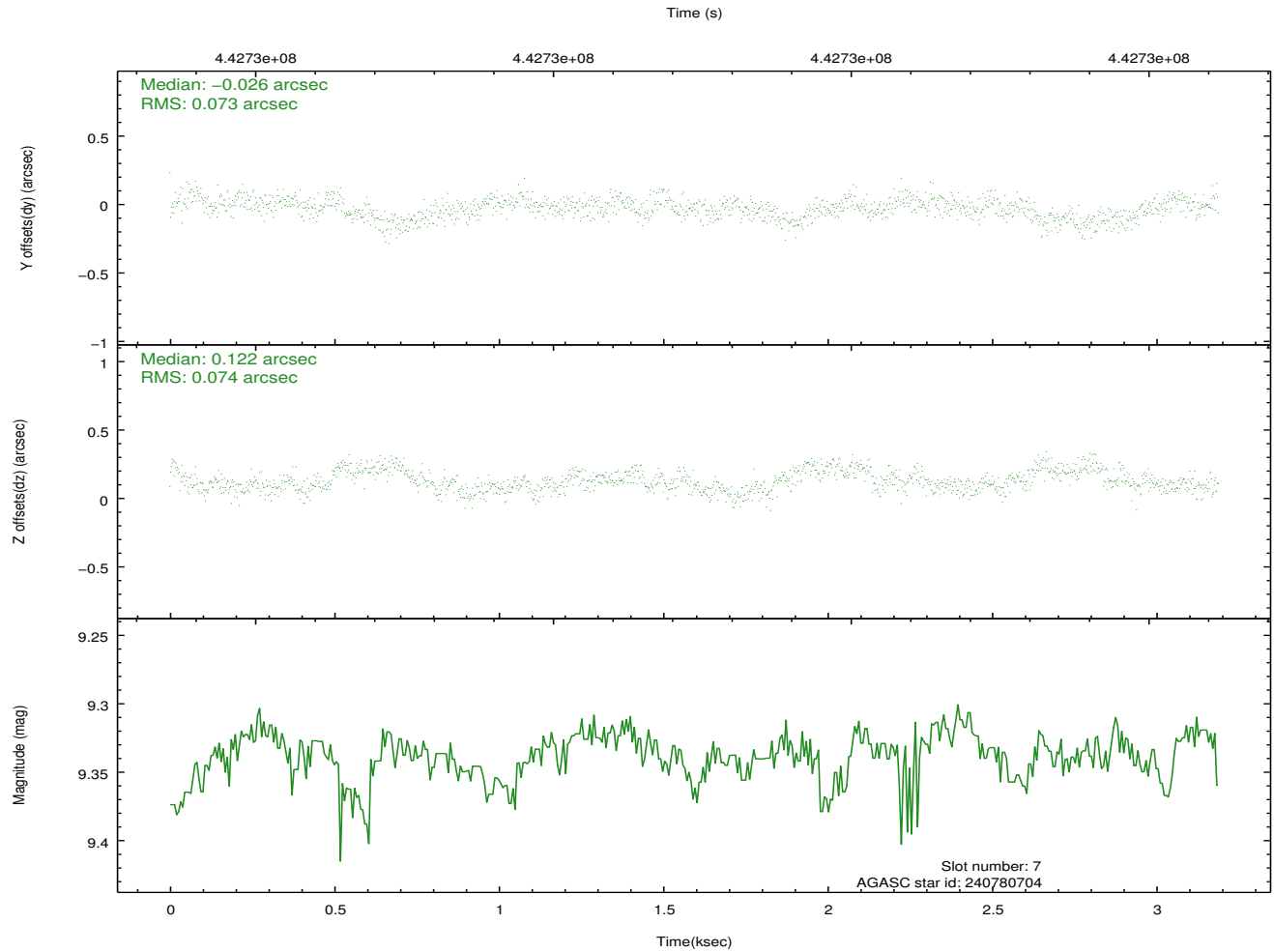
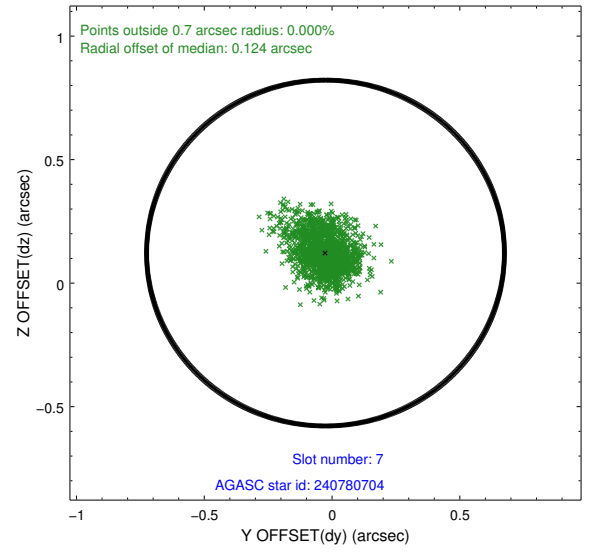
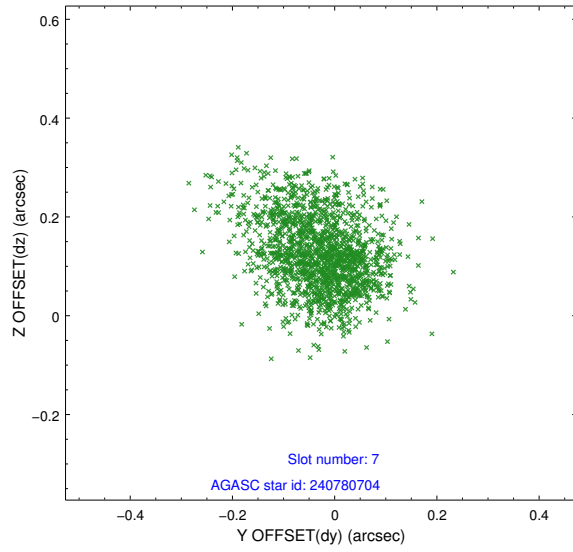
### 2.4.3 Slot 5



## 2.4.4 Slot 6

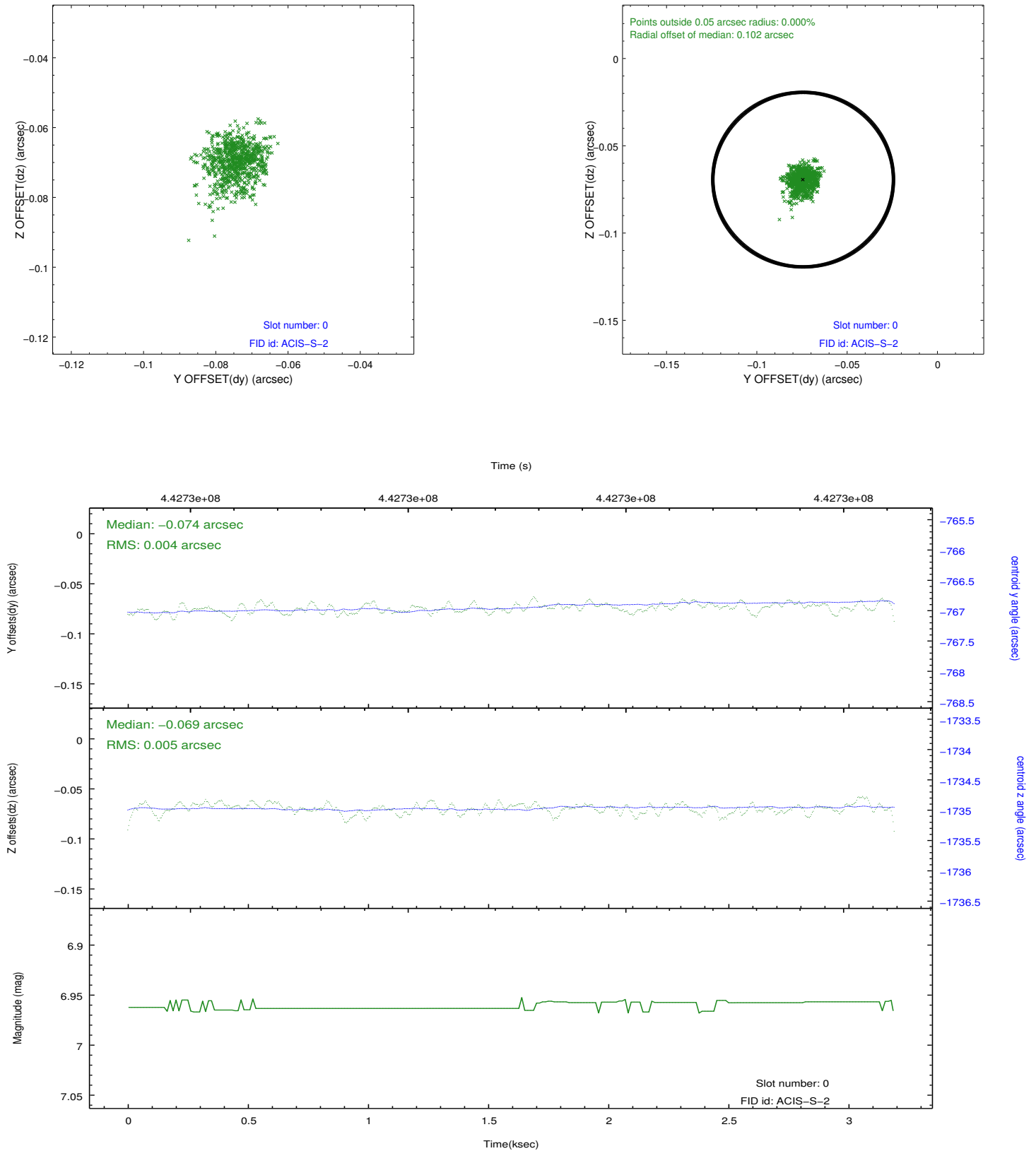


## 2.4.5 Slot 7

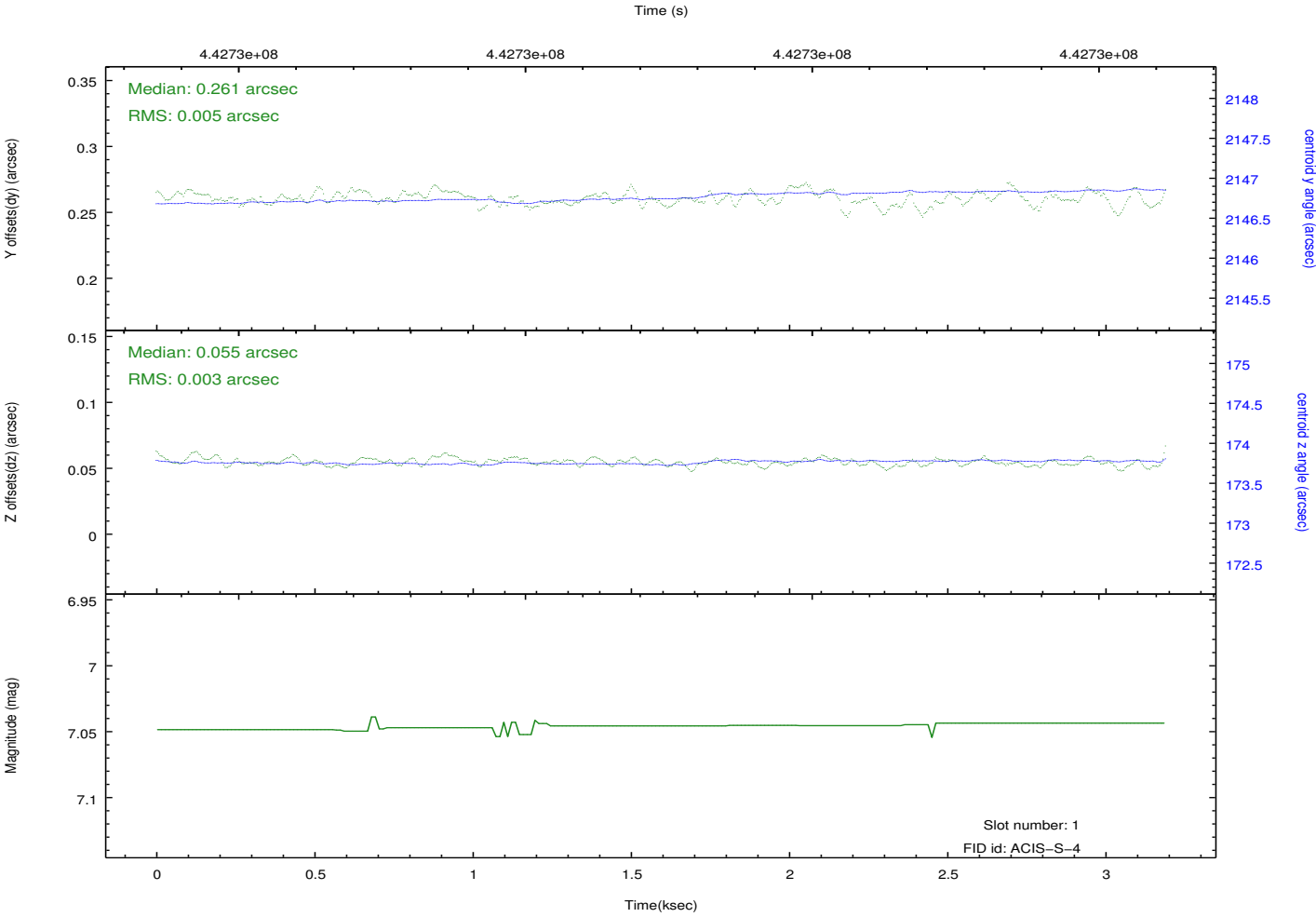
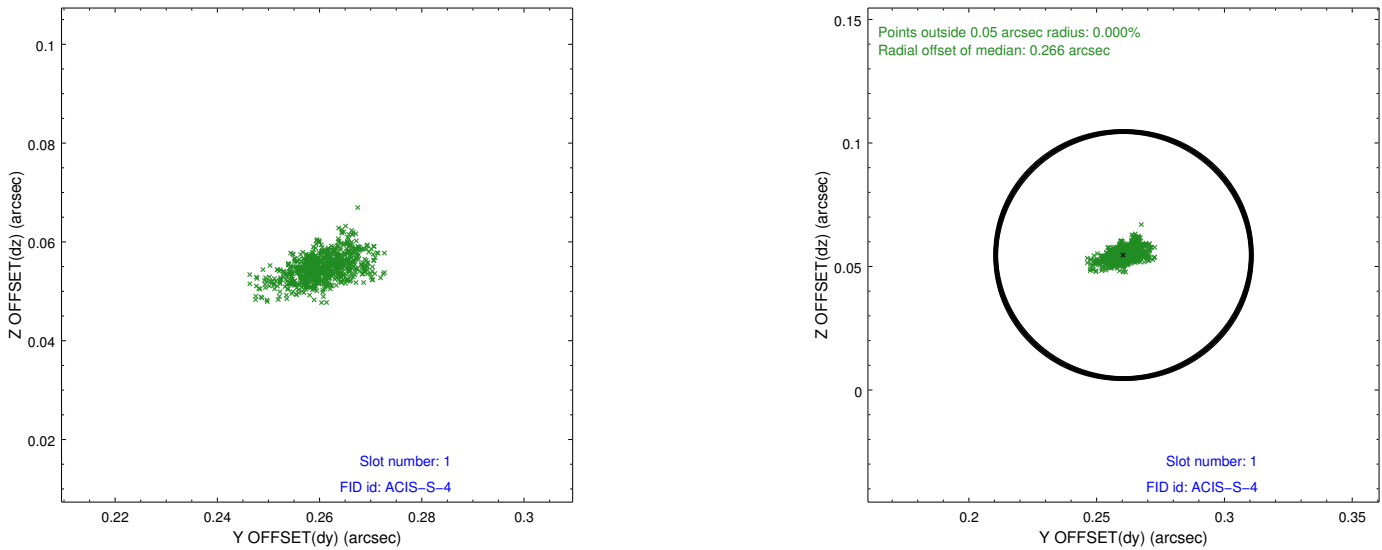


## 2.5 FID Slots

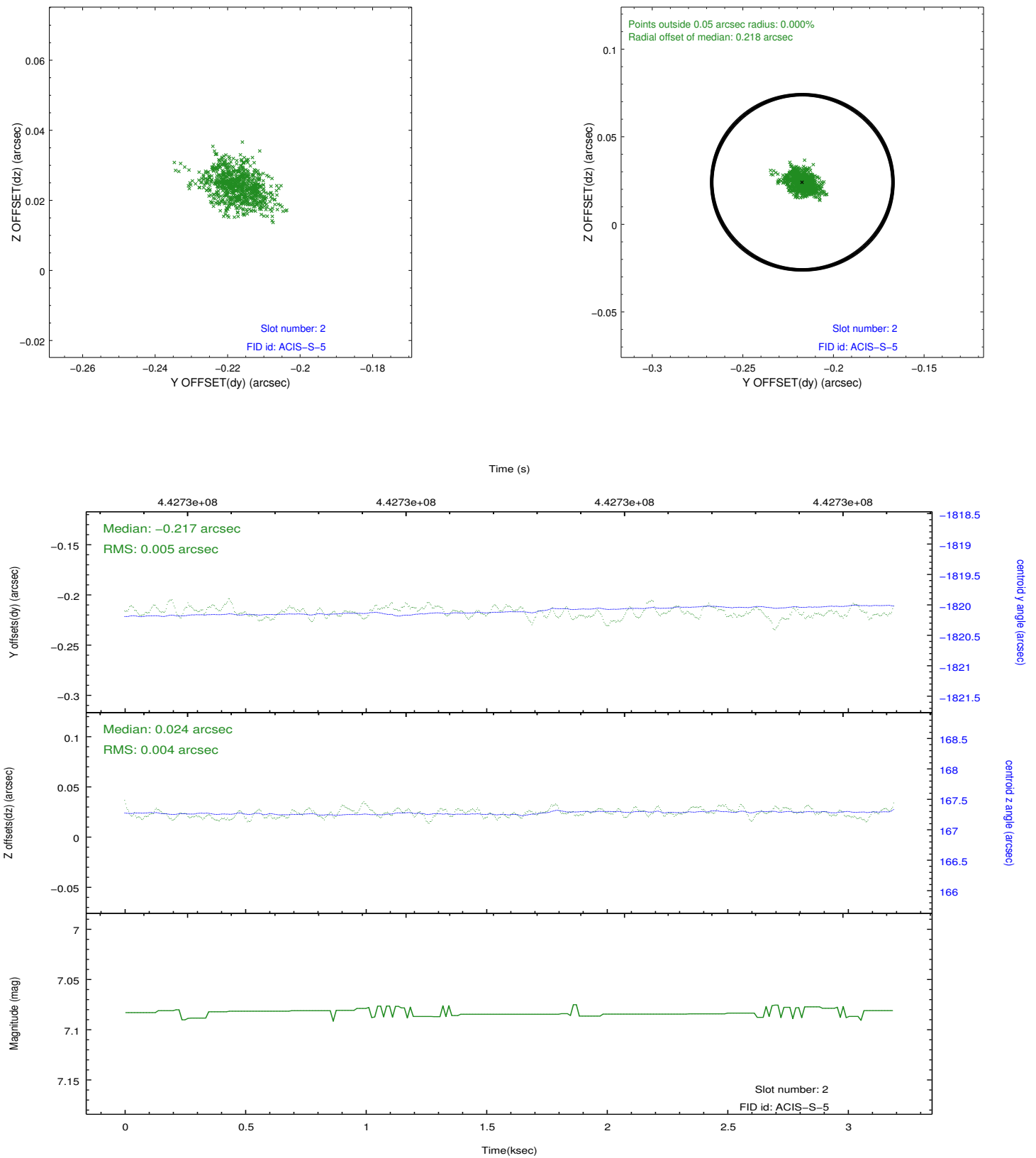
### 2.5.1 Slot 0



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)	2012.01.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.0087998206615

### A.2 Comments

Phase constraint met.