

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7791 - L2 Version 2
Chandra X-Ray Center

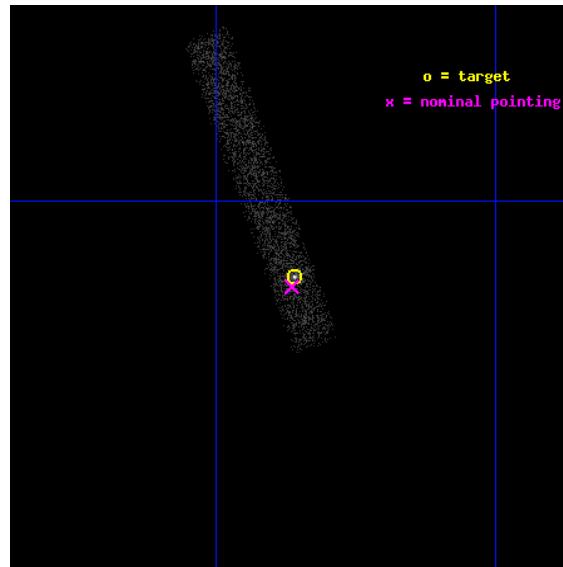
L2 Processing Date : Apr 25 2012

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1 Front

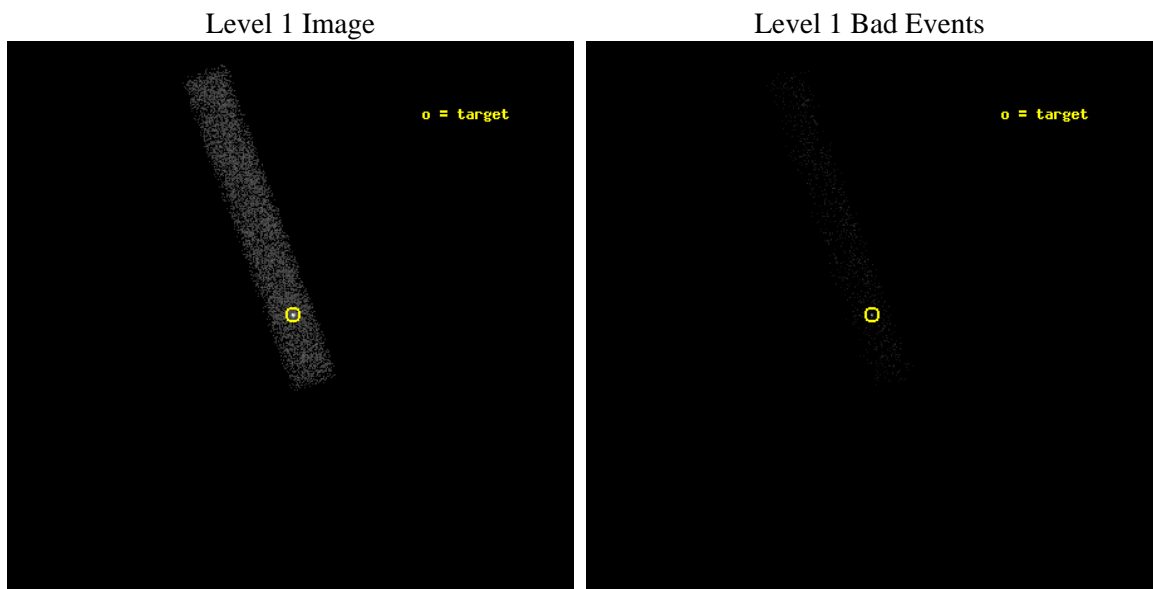
seq_num	701459	Sequence number
obs_id	7791	Observation id
title	Dissecting an Accretion Disk	Proposal title
observer	Prof. Christopher Kochanek	Principal investigator
object	RXJ1131-1231	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	172.965	Observer's specified target RA [deg]
dec_targ	-12.5325	Observer's specified target Dec [deg]
ra_nom	172.96606594551	Nominal RA [deg]
dec_nom	-12.537197747302	Nominal Dec [deg]
roll_nom	250.07294721643	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5134.3996939659	Sum of GTIs [s]
livetime	4656.6295065898	Livetime [s]
ontime7	5134.3996939659	Sum of GTIs [s]
l2events	7765	Number of level 2 events



2 OBI

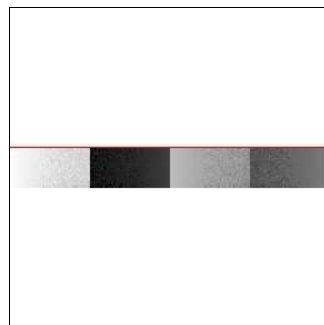
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	5134.3996939659	Sum of GTIs [s]
caldsver	4.4.9	 	ontime7	5134.3996939659	Sum of GTIs [s]
date	2012-04-25T20:36:19	Date and time of file creation	l1events	14464	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

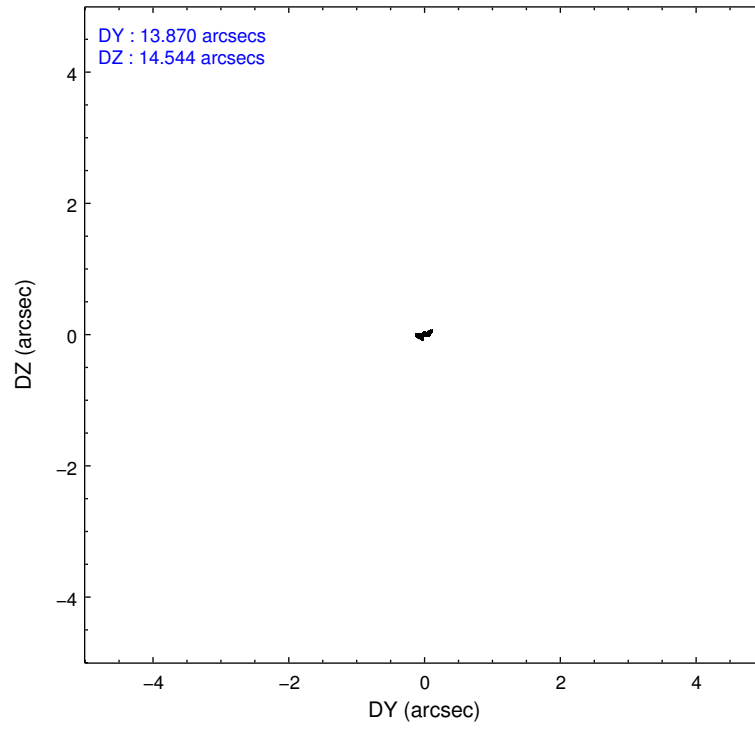
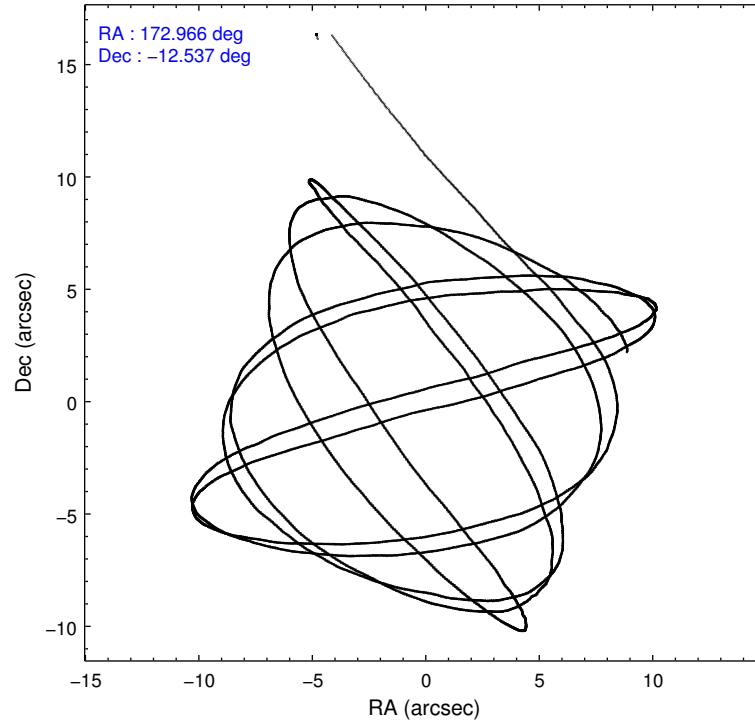
	ccd 7
level 1 events	14464
rejected events	6526
rejected %	45%

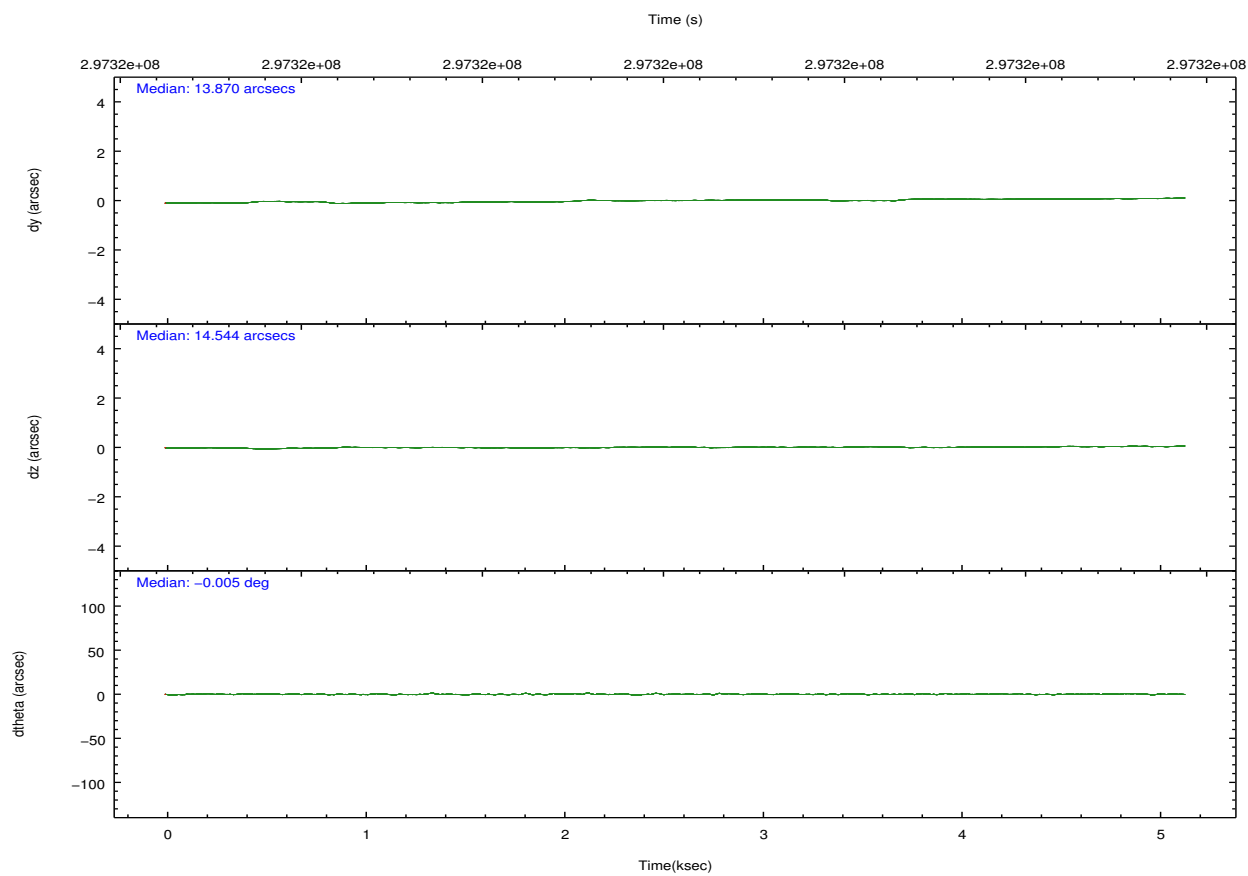
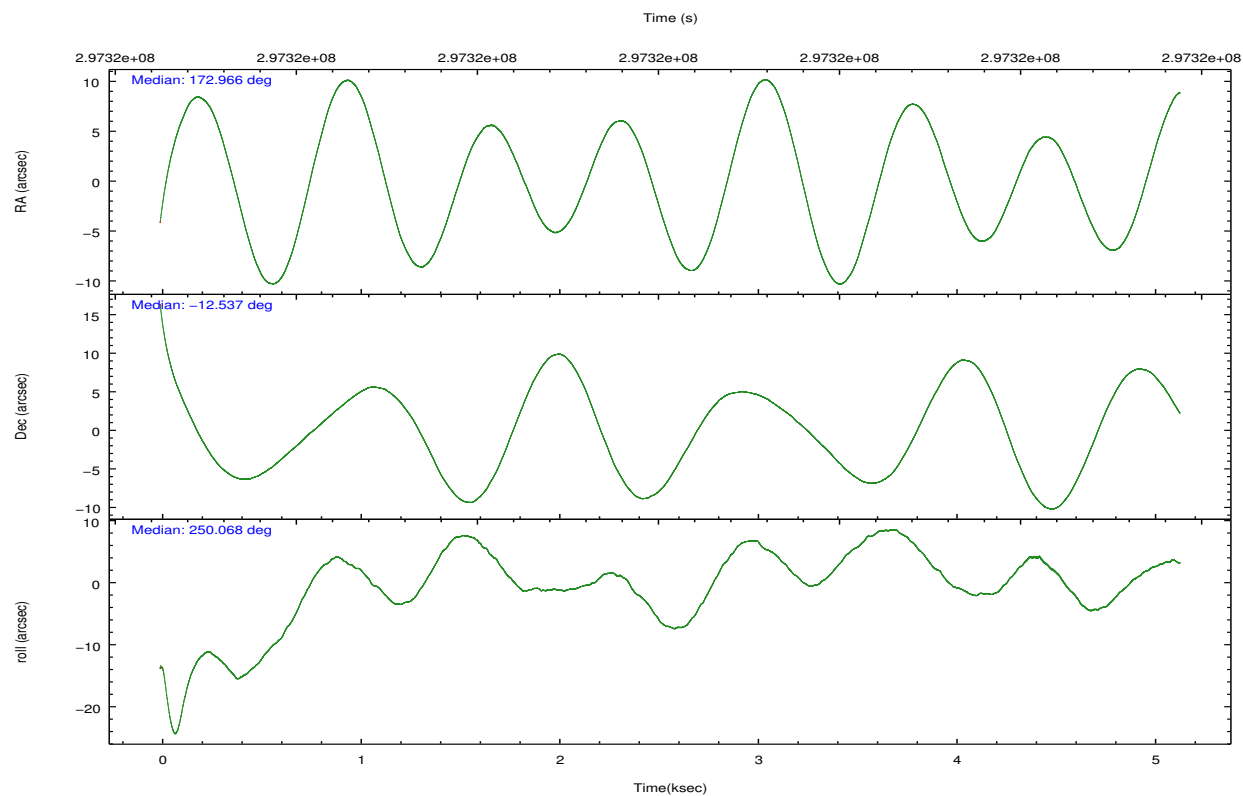
	ccd 7
grade 0 events	1675
	11%
grade 1 events	34
	0%
grade 2 events	1887
	13%
grade 3 events	1052
	7%
grade 4 events	1049
	7%
grade 5 events	1060
	7%
grade 6 events	3108
	21%
grade 7 events	4599
	31%

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	172.960737	172.9660659455097	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-12.510392	-12.53719774730167	Subarray start row	449	449
[deg] Pointing Roll	249.915126	250.0729472164295	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)	297317627.184000	297316456.1889			
Observation start date	2007-06-04T04:12:42	2007-06-04T03:54:16			
[s] Observation end time (MET)	297322627.184000	297323269.87672			
Observation end date	2007-06-04T05:36:02	2007-06-04T05:47:49			
Read mode	TIMED	TIMED			

2.3 Aspect



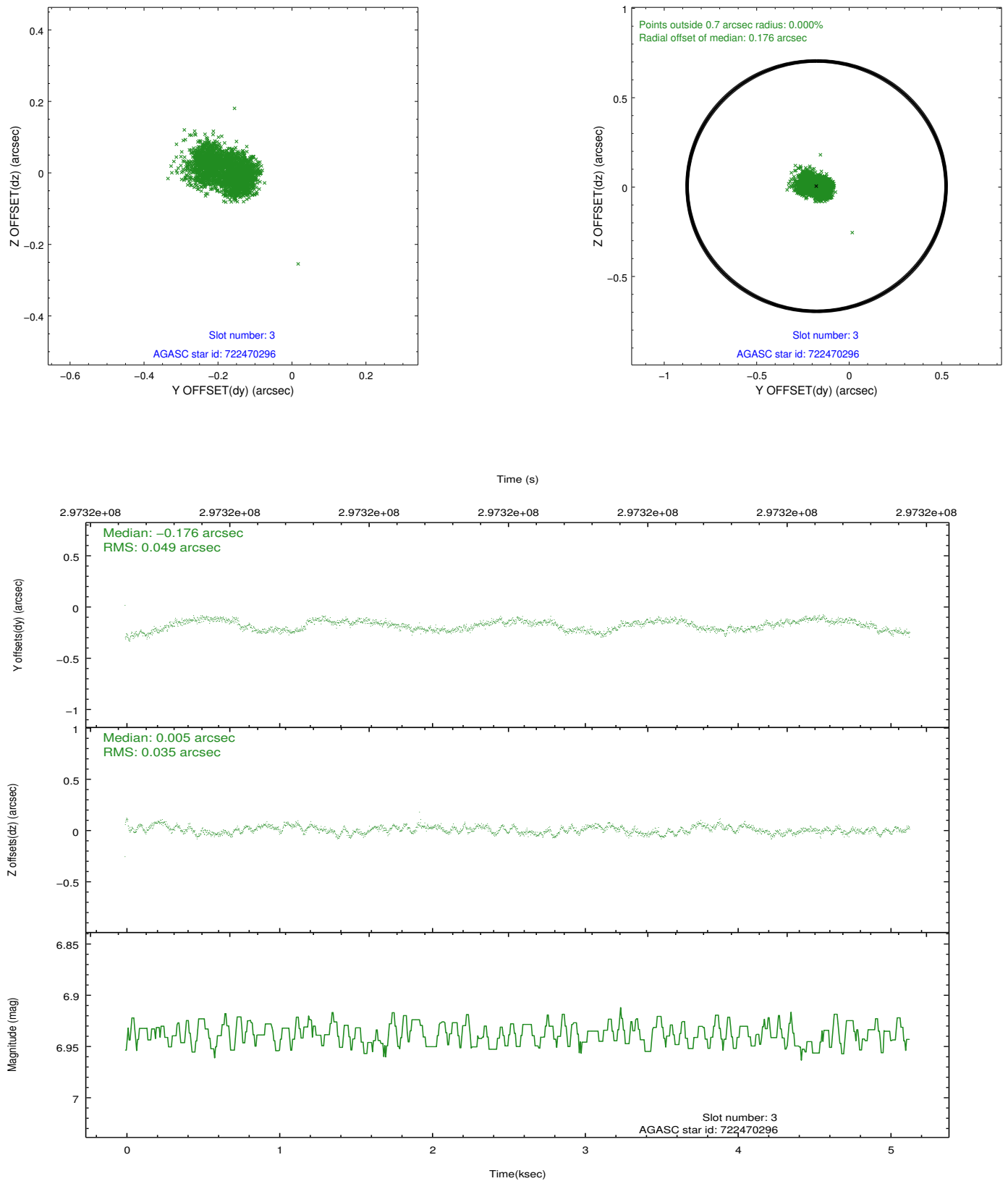


Slot Statistics

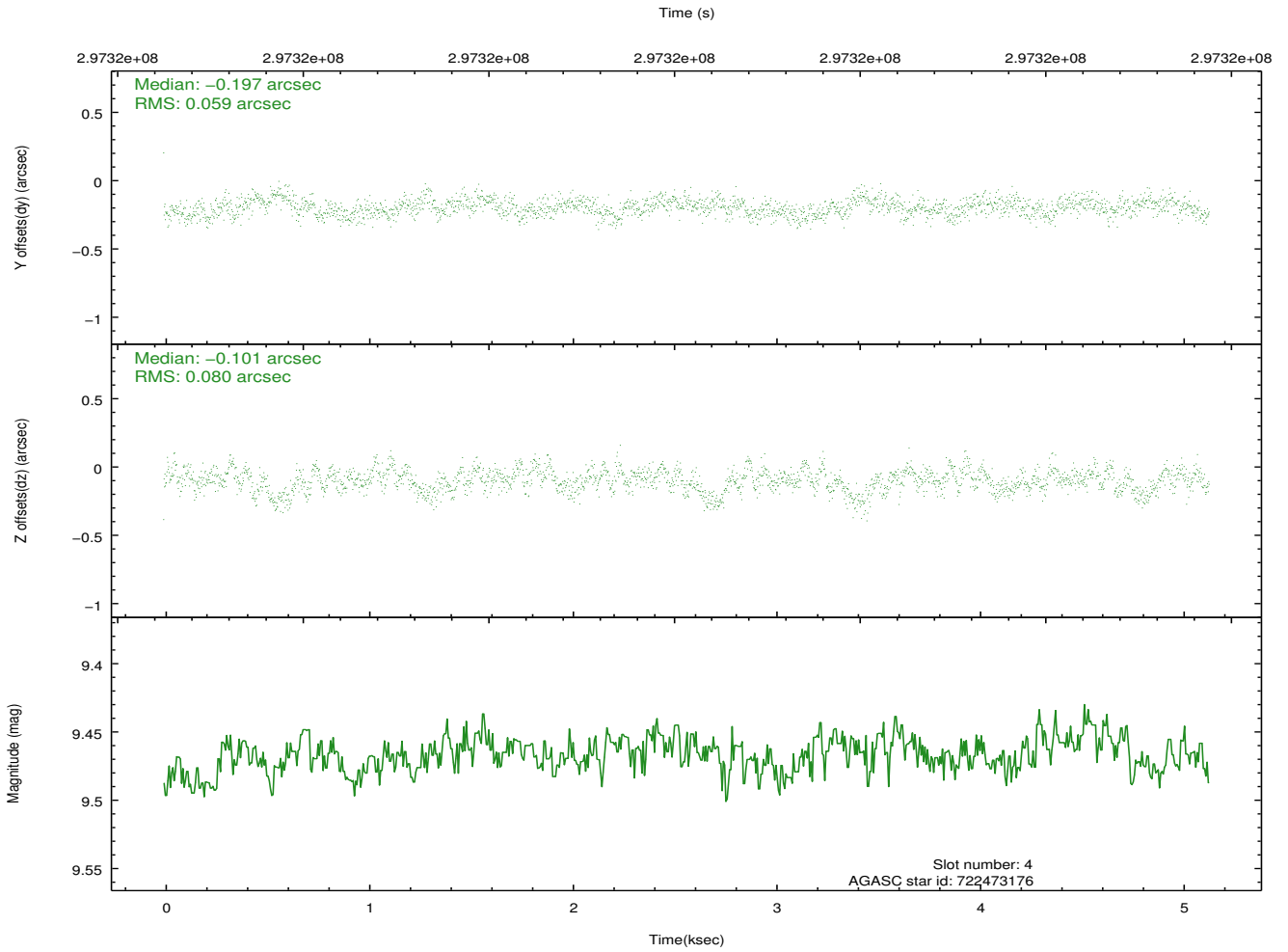
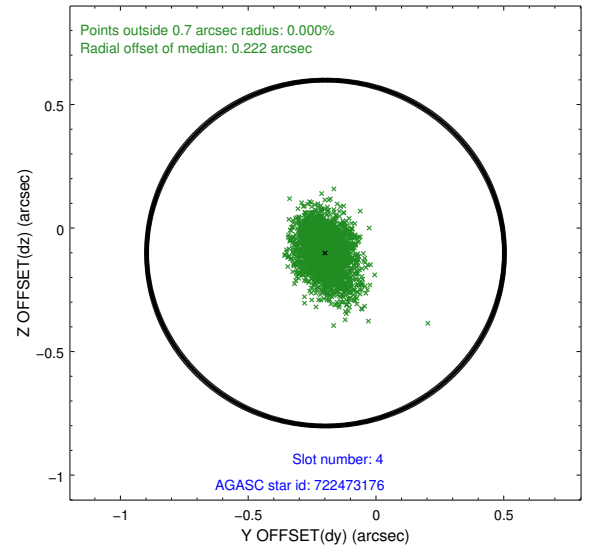
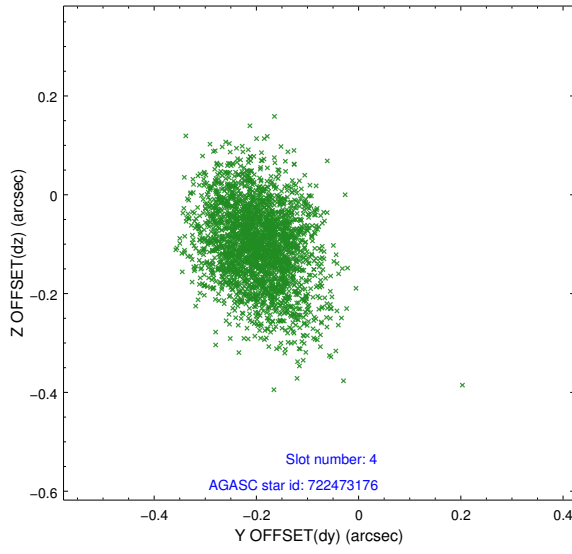
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	1253	-0.068	-0.042	0.007	0.012	0.000000	0.000000	-766.85	-1735.96
1	FID	ACIS-S-4	7.19	1253	0.204	0.044	0.006	0.011	0.000000	0.000000	2146.14	171.41
2	FID	ACIS-S-5	7.22	1253	-0.167	0.007	0.006	0.010	0.000000	0.000000	-1818.30	166.35
3	GUIDE	722470296	6.94	2505	-0.176	0.005	0.064	0.095	172.921689	-12.381367	-388.75	-288.72
4	GUIDE	722473176	9.47	2503	-0.197	-0.101	0.105	0.174	172.599746	-12.066793	-1062.18	-1742.17
5	GUIDE	722871536	10.03	2496	0.245	-0.126	0.142	0.222	172.202264	-12.768922	1792.80	-2180.85
6	GUIDE	722871728	9.68	2440	0.129	0.065	0.110	0.178	173.202235	-12.568355	-93.74	867.56
7	GUIDE	722872464	10.26	2498	0.021	0.161	0.181	0.317	173.436258	-12.895947	732.45	2044.70

2.4 Star Slots

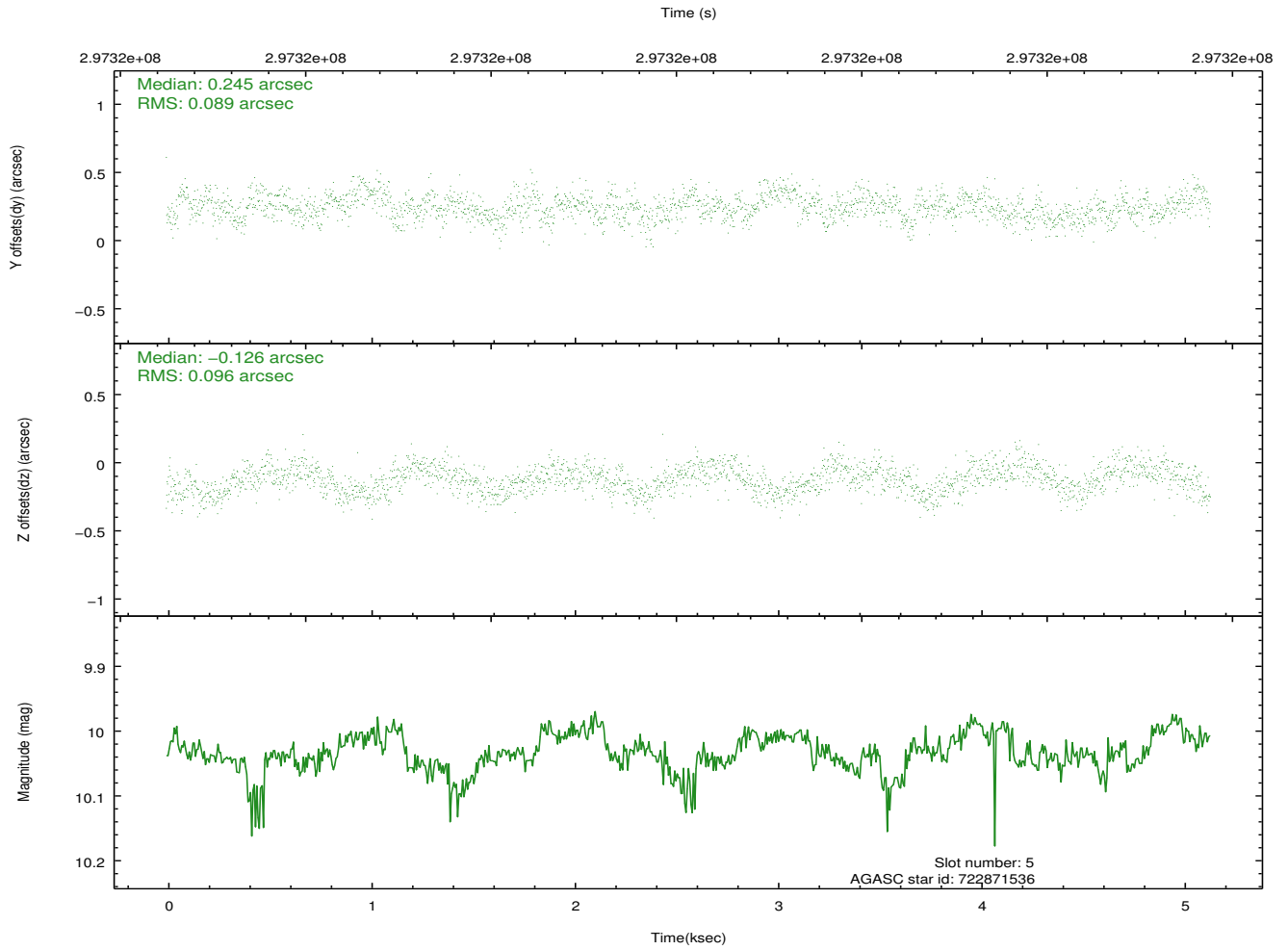
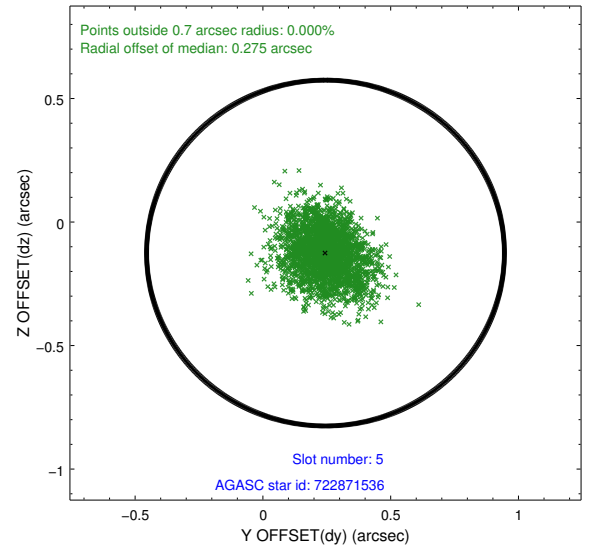
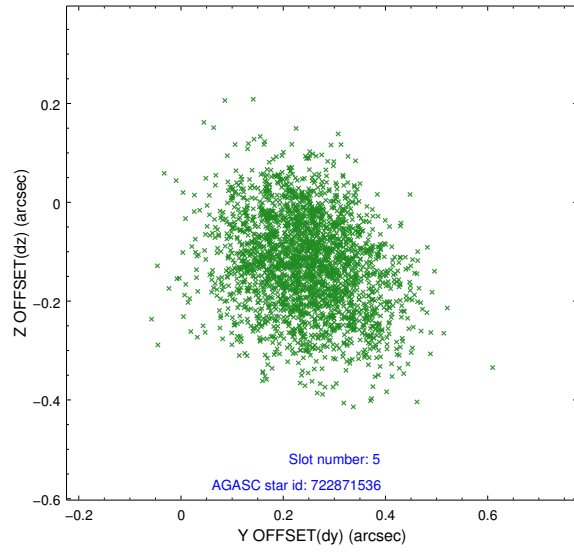
2.4.1 Slot 3



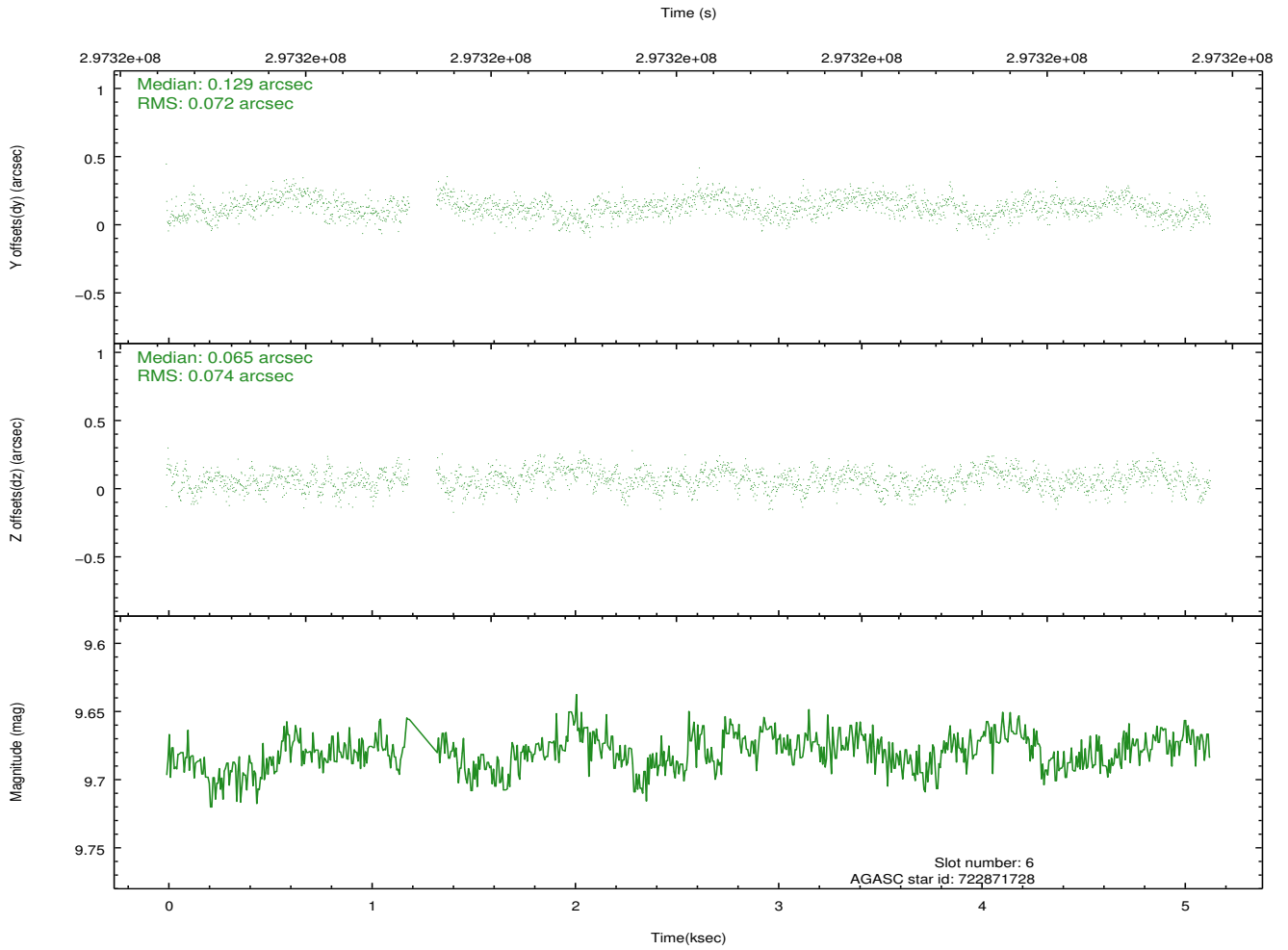
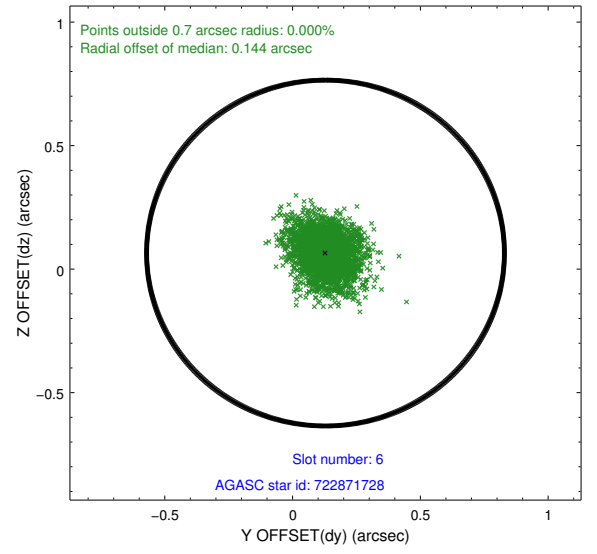
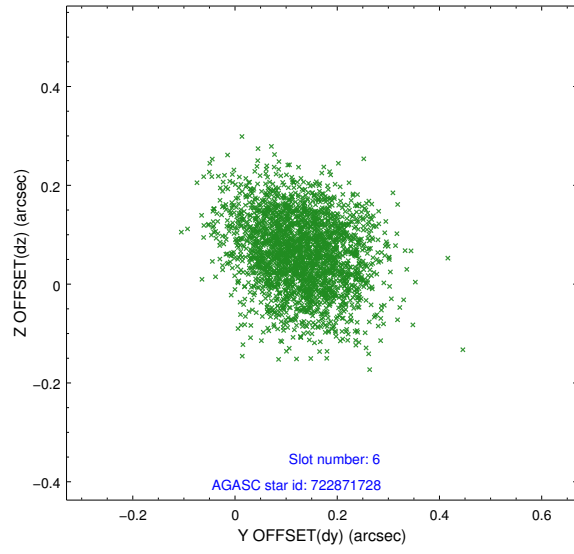
2.4.2 Slot 4



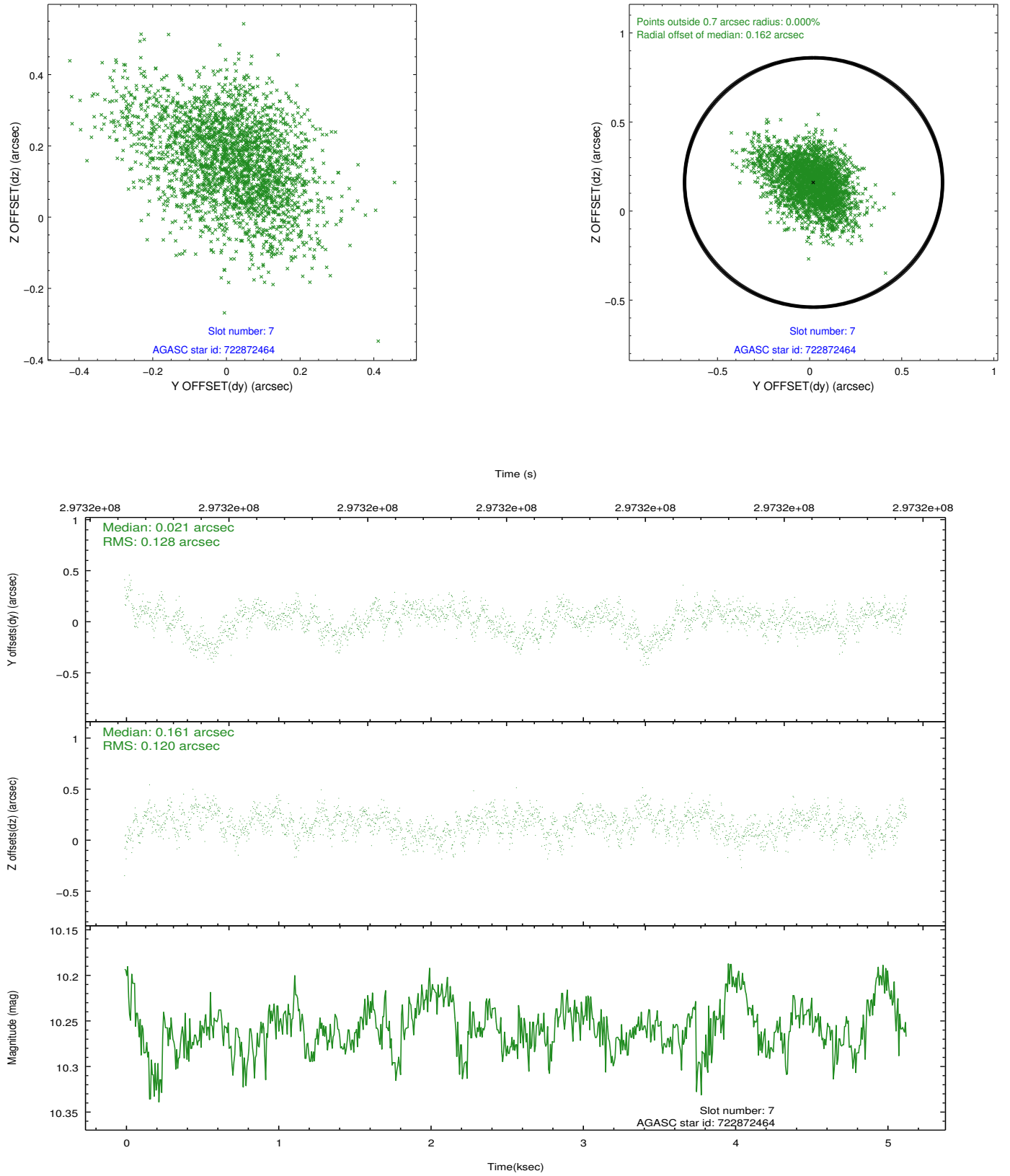
2.4.3 Slot 5



2.4.4 Slot 6

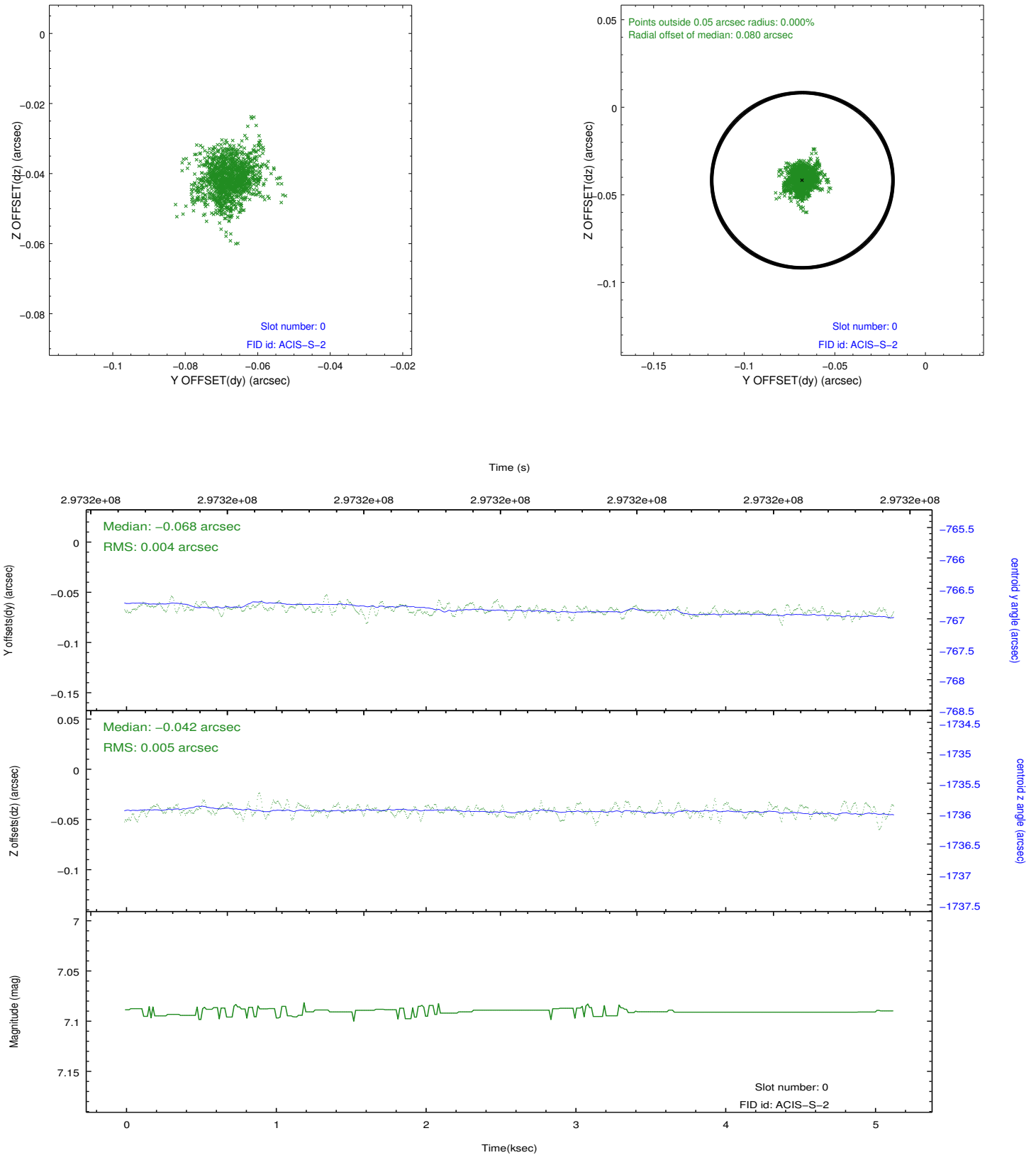


2.4.5 Slot 7

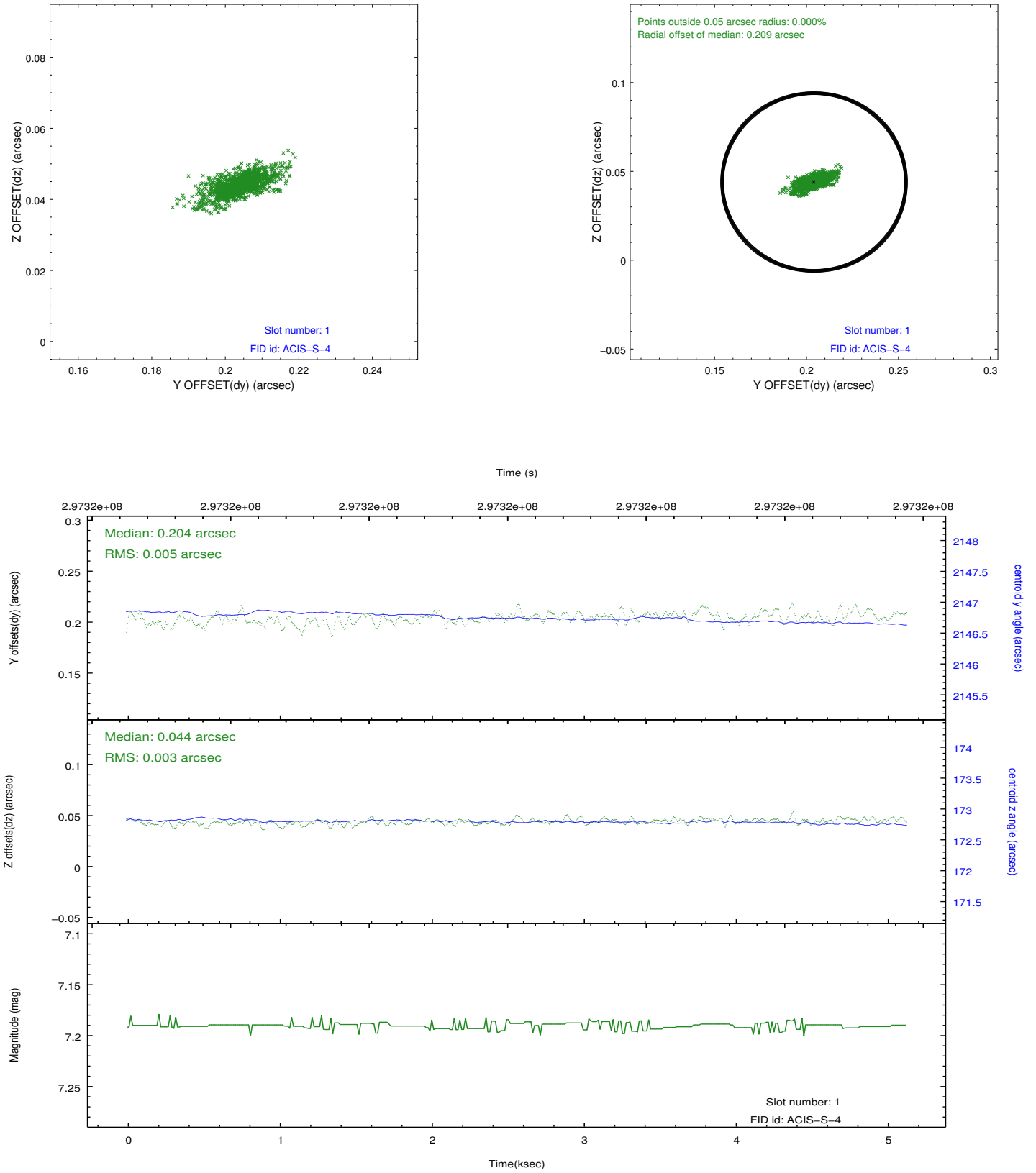


2.5 FID Slots

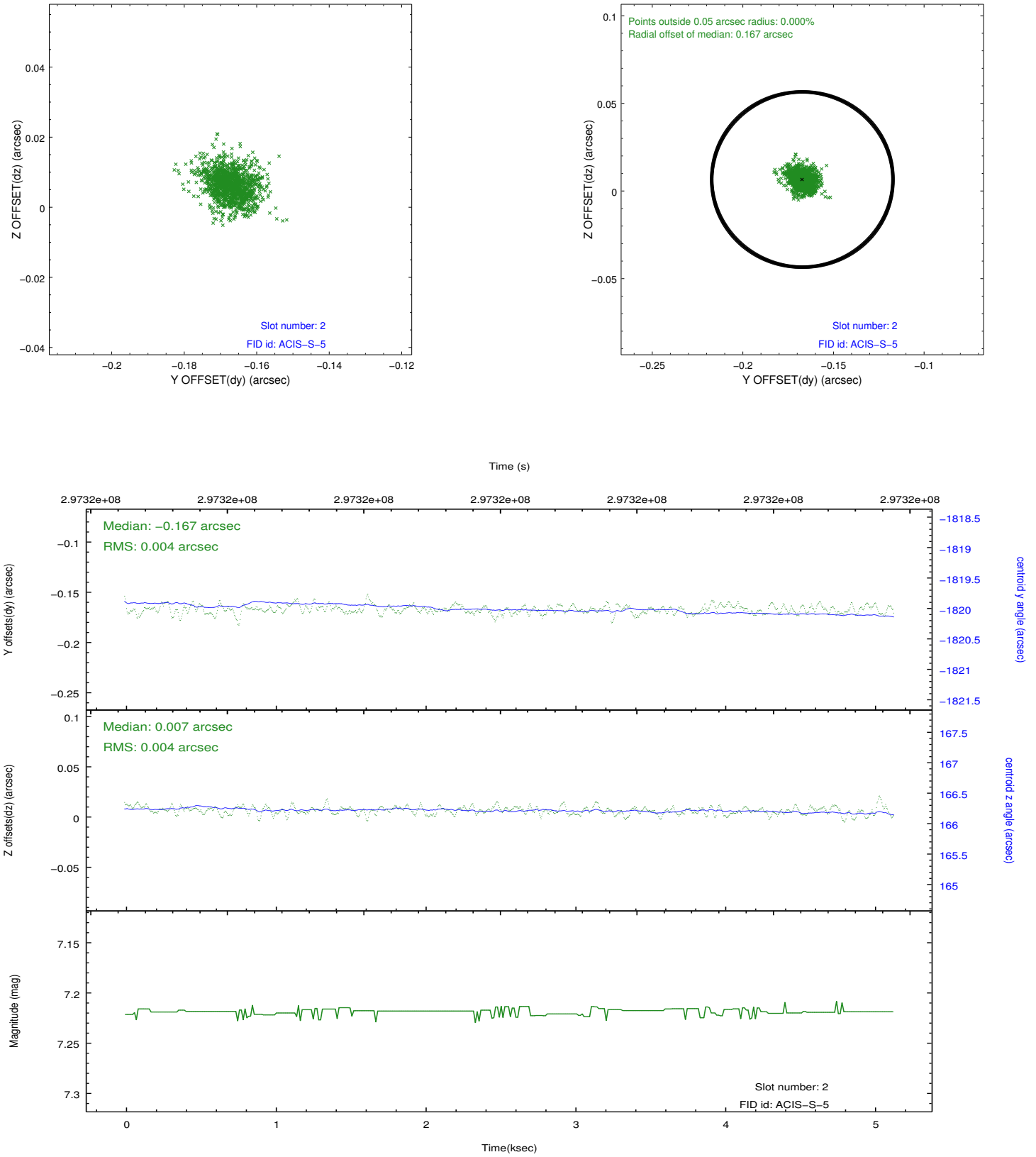
2.5.1 Slot 0



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)	2012.04.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.13439969

A.2 Comments

Joint proposal with HST. First few sec of observation may have inaccurate aspect solution which would result in a target offset. The rest of the observation has an acceptable aspect solution.