

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7794 - L2 Version 2
Chandra X-Ray Center

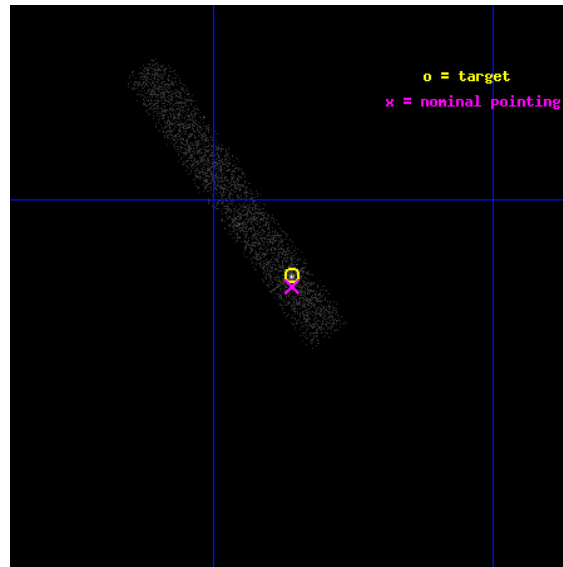
L2 Processing Date : Apr 28 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

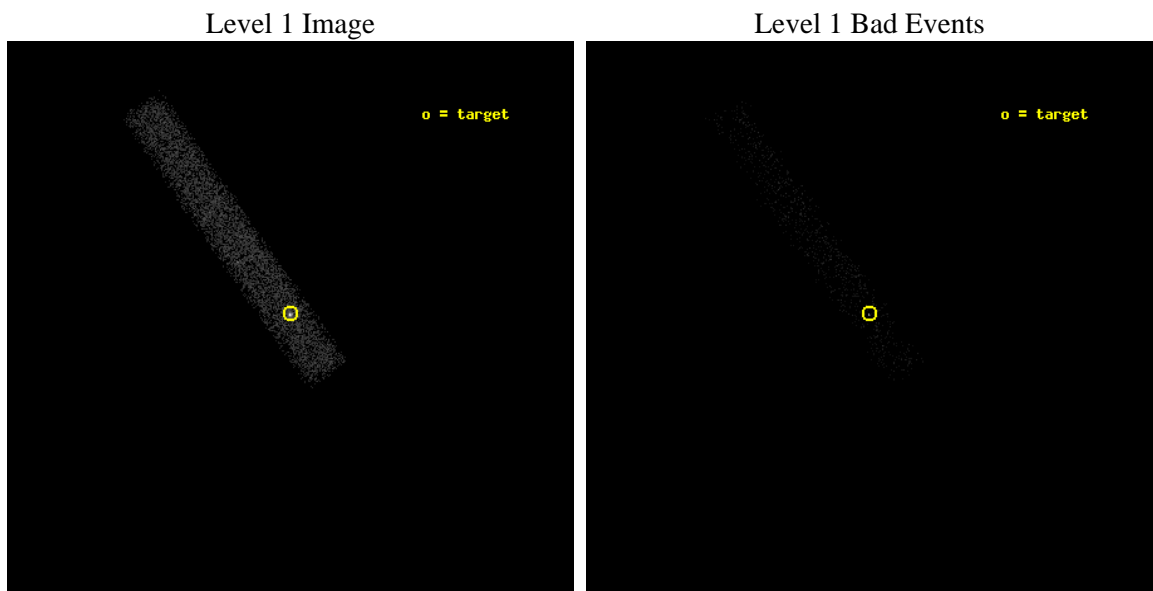
seq_num	701462	Sequence number
obs_id	7794	Observation id
title	Dissecting an Accretion Disk	Proposal title
observer	Prof. Christopher Kochanek	Principal investigator
object	RXJ1131-1231	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	172.965	Observer's specified target RA [deg]
dec_targ	-12.5325	Observer's specified target Dec [deg]
ra_nom	172.9648019898	Nominal RA [deg]
dec_nom	-12.537363833571	Nominal Dec [deg]
roll_nom	235.00516932111	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5144.3996933699	Sum of GTIs [s]
livetime	4665.6989782059	Livetime [s]
ontime7	5144.3996933699	Sum of GTIs [s]
l2events	8524	Number of level 2 events



2 OBI

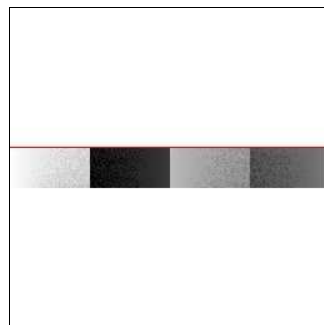
2.1 OBI

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	5144.3996933699	Sum of GTIs [s]
caldsver	4.4.9	 	ontime7	5144.3996933699	Sum of GTIs [s]
date	2012-04-28T15:49:09	Date and time of file creation	l1events	15183	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

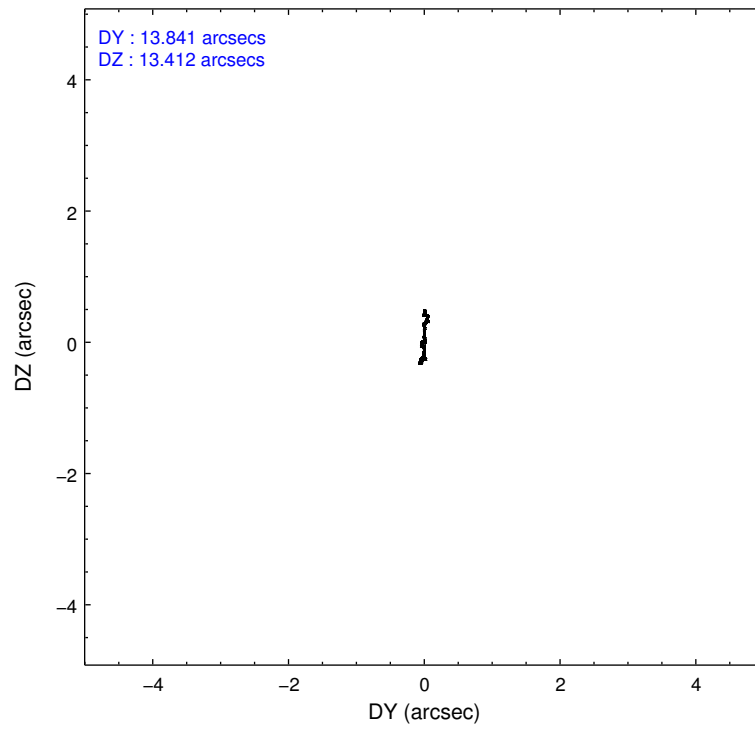
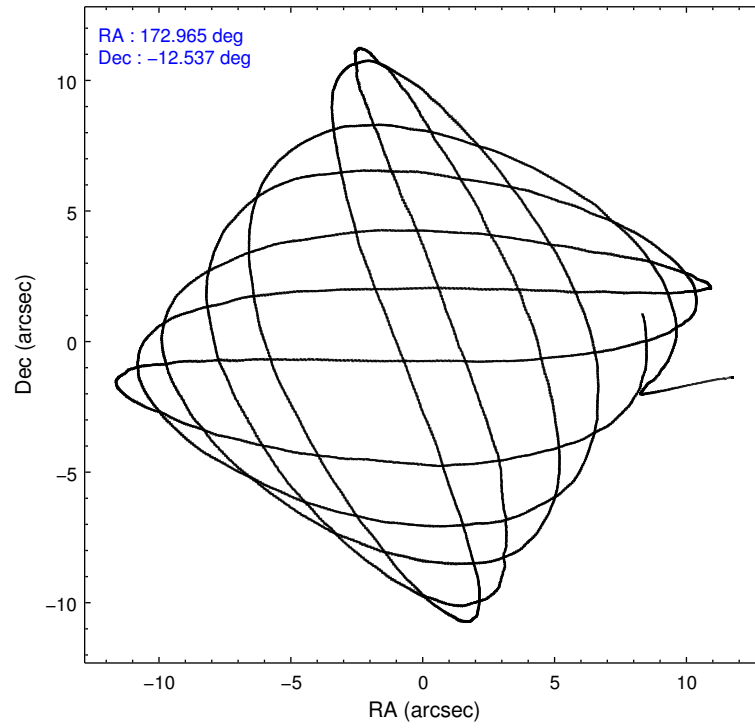
	ccd 7
level 1 events	15183
rejected events	6482
rejected %	42%

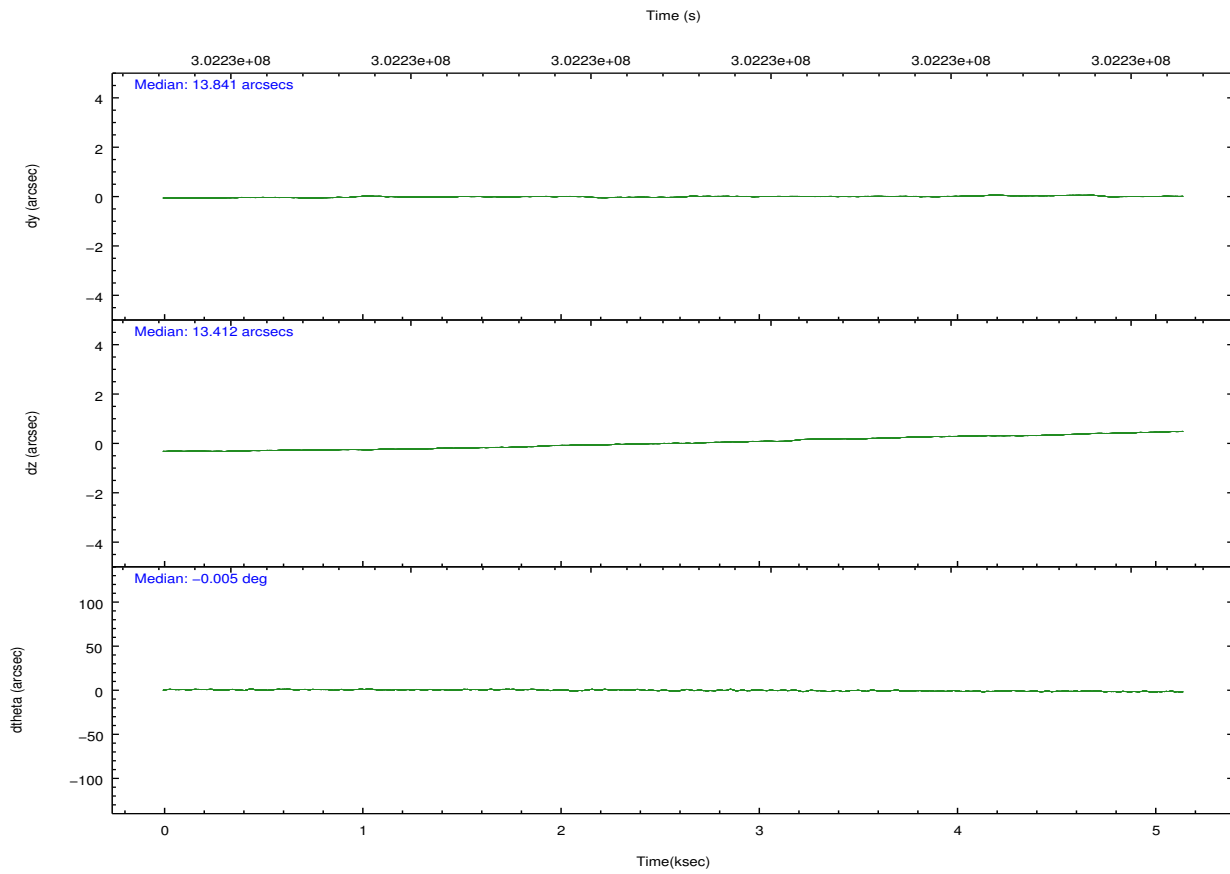
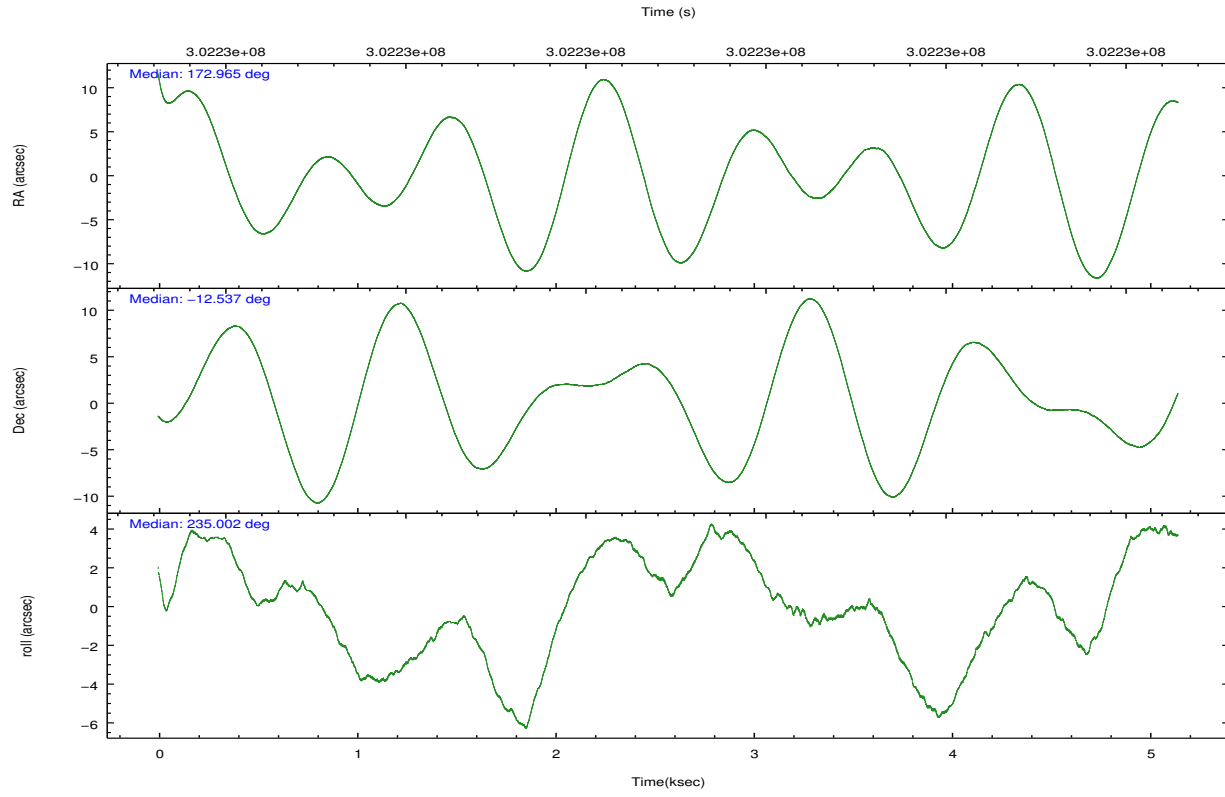
	ccd 7
grade 0 events	1899
	12%
grade 1 events	48
	0%
grade 2 events	2179
	14%
grade 3 events	1145
	7%
grade 4 events	1051
	6%
grade 5 events	1031
	6%
grade 6 events	3283
	21%
grade 7 events	4547
	29%

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	172.966768	172.9648019897953	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-12.510073	-12.53736383357132	Subarray start row	449	449
[deg] Pointing Roll	234.848983	235.0051693211062	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)	302227016.184000	302225854.84895			
Observation start date	2007-07-30T23:55:51	2007-07-30T23:37:34			
[s] Observation end time (MET)	302232016.184000	302232637.78678			
Observation end date	2007-07-31T01:19:11	2007-07-31T01:30:37			
Read mode	TIMED	TIMED			

2.3 Aspect



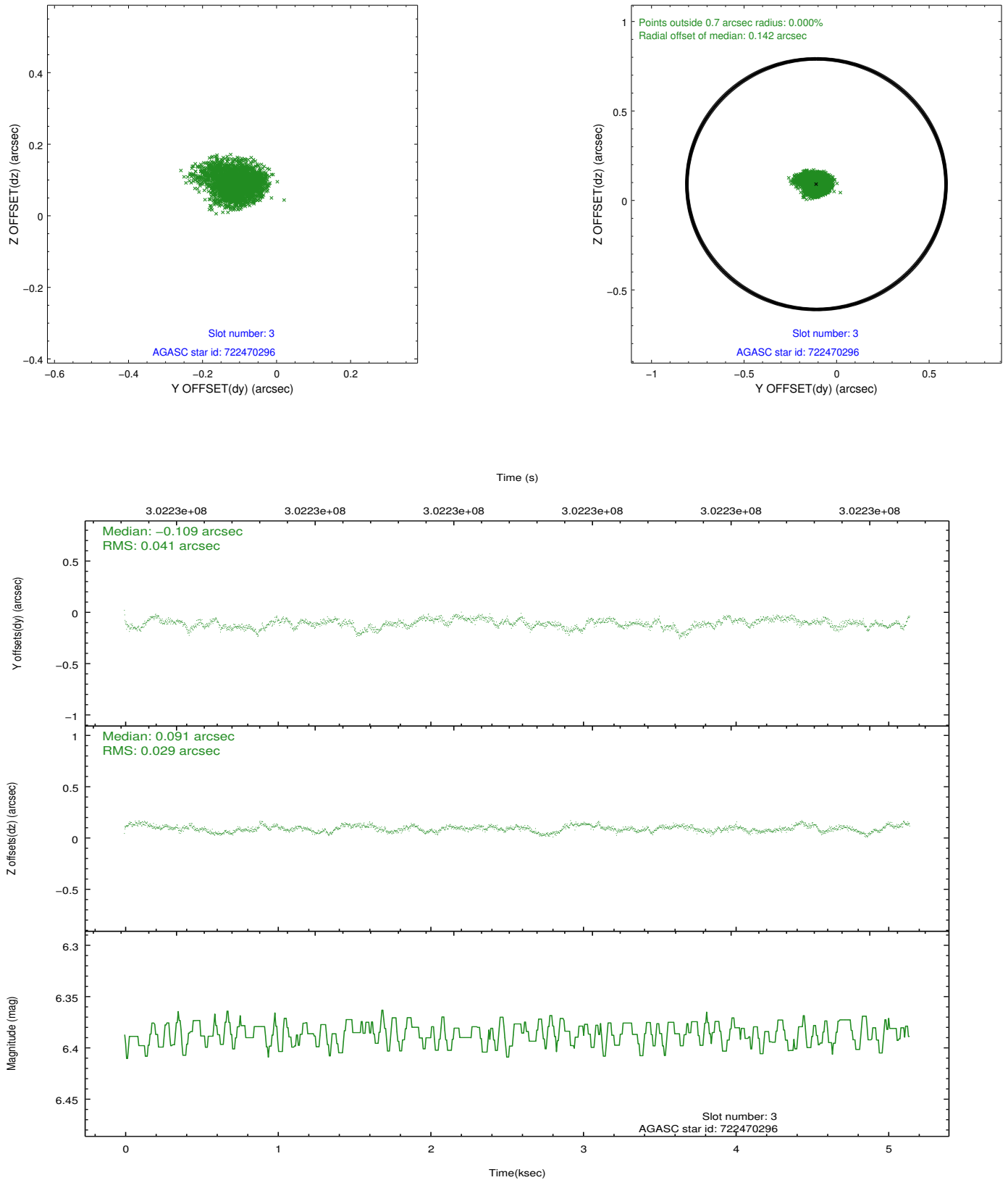


Slot Statistics

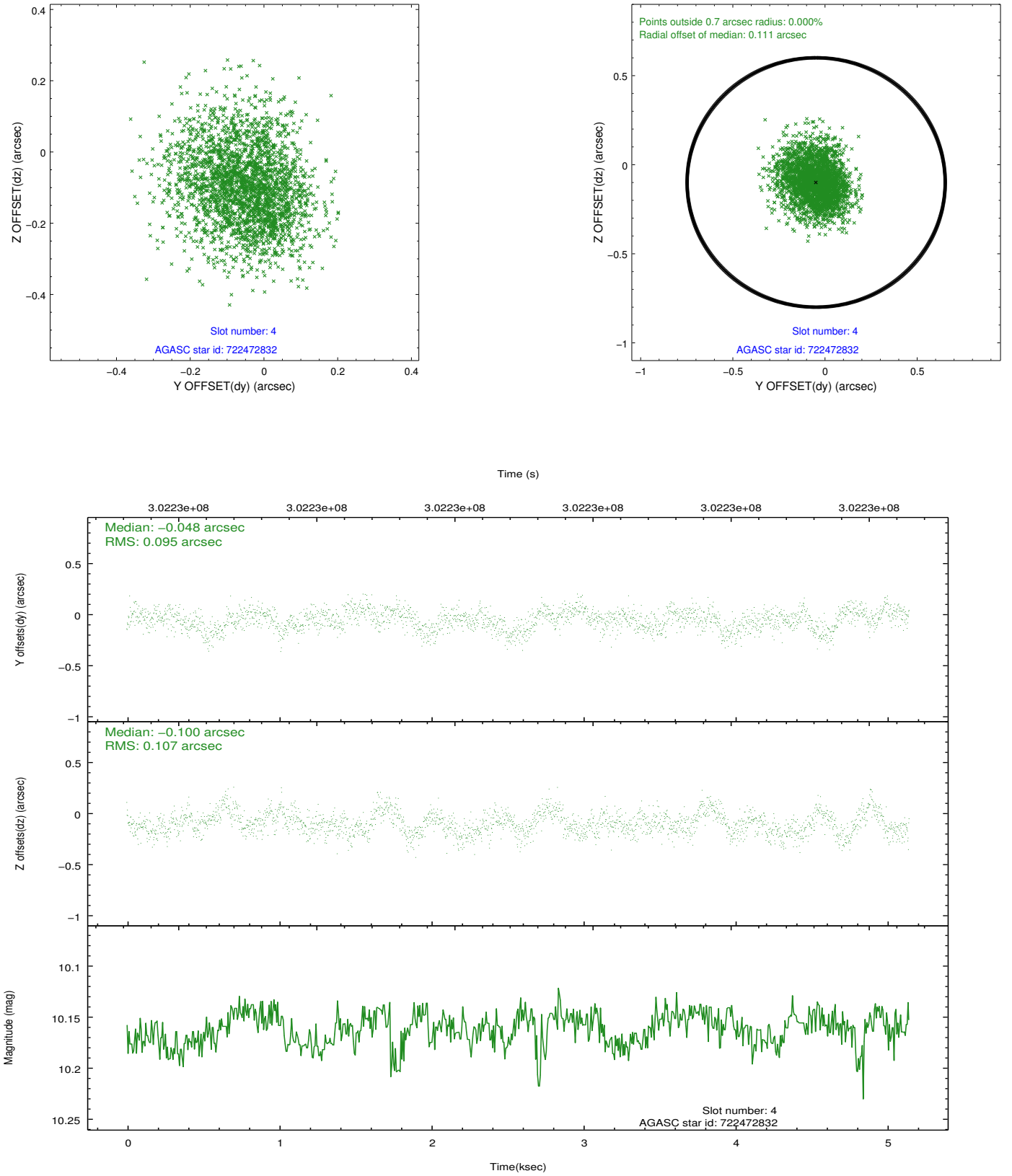
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	1255	0.095	-0.043	0.012	0.019	0.000000	0.000000	929.35	-1730.40
1	FID	ACIS-S-5	7.23	1255	-0.167	0.064	0.008	0.013	0.000000	0.000000	-1819.24	166.06
2	FID	ACIS-S-6	7.33	1255	0.050	-0.007	0.009	0.014	0.000000	0.000000	393.60	811.27
3	GUIDE	722470296	6.39	2511	-0.109	0.091	0.054	0.086	172.921689	-12.381367	-287.11	-396.62
4	GUIDE	722472832	10.16	2507	-0.048	-0.100	0.151	0.246	173.078970	-12.015349	-1683.23	-702.80
5	GUIDE	722473176	9.47	2508	0.039	-0.043	0.104	0.163	172.599746	-12.066793	-559.99	-1975.28
6	GUIDE	722871728	9.67	2510	0.084	0.080	0.128	0.203	173.202235	-12.568355	-304.11	796.52
7	GUIDE	722873464	7.33	2510	0.040	-0.027	0.065	0.101	172.661543	-13.050266	2207.47	245.45

2.4 Star Slots

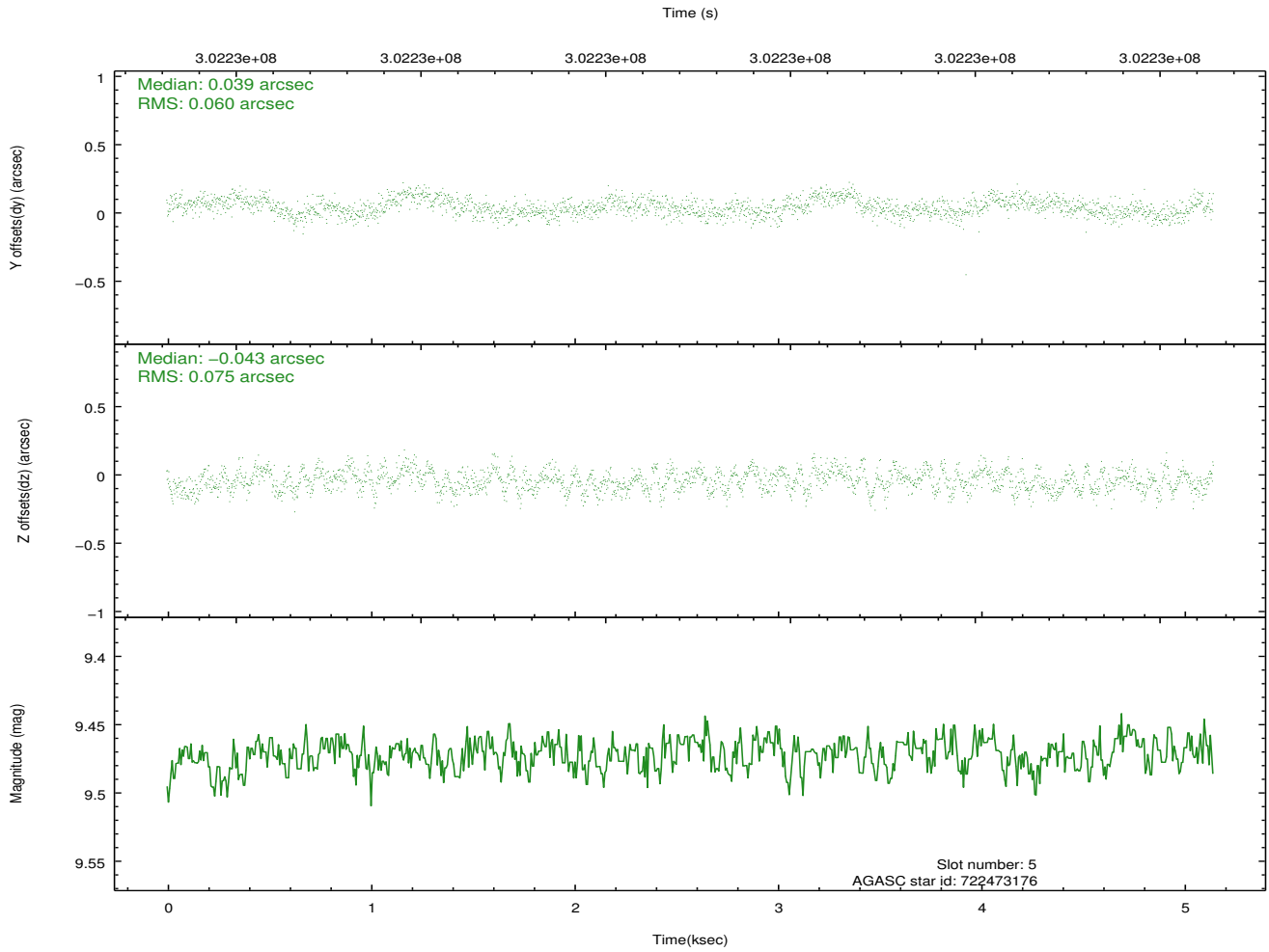
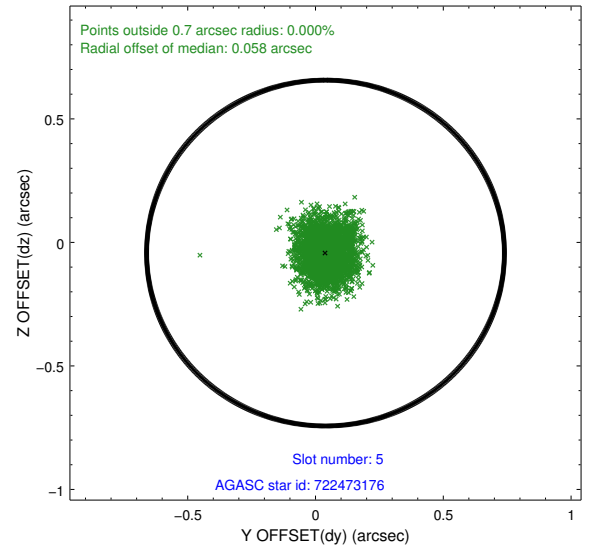
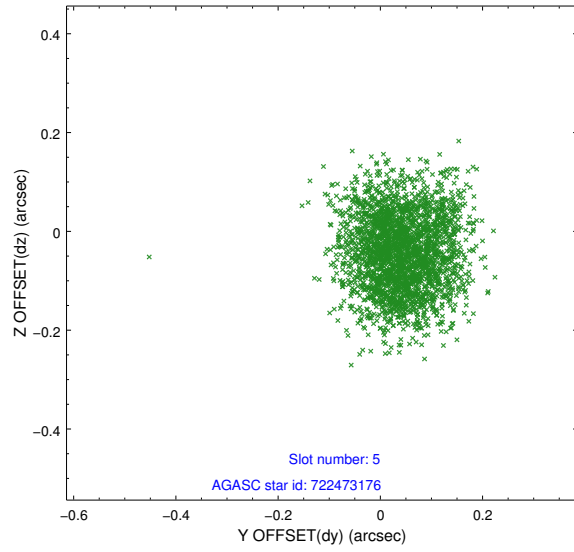
2.4.1 Slot 3



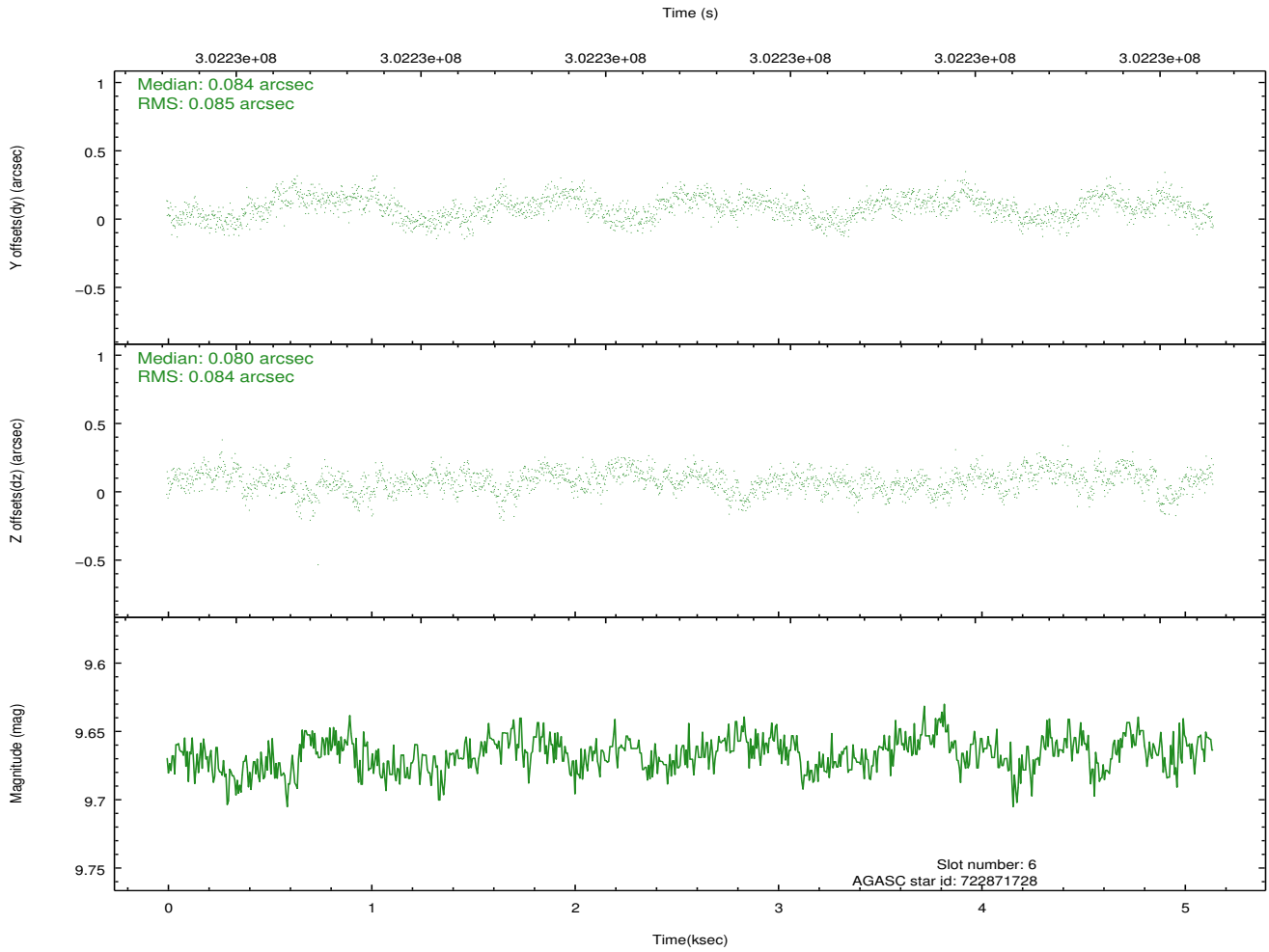
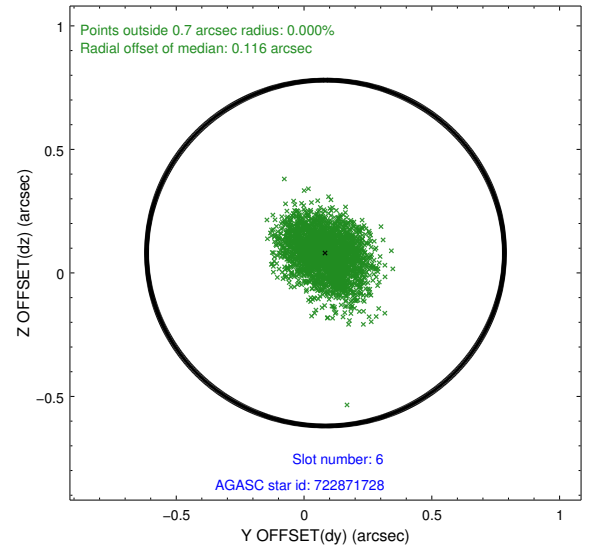
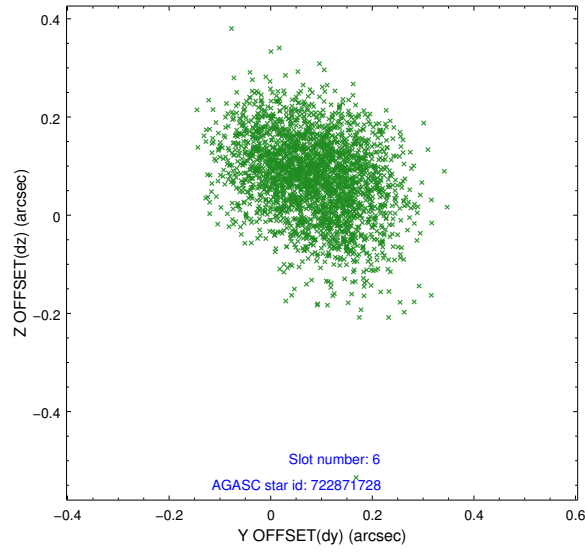
2.4.2 Slot 4



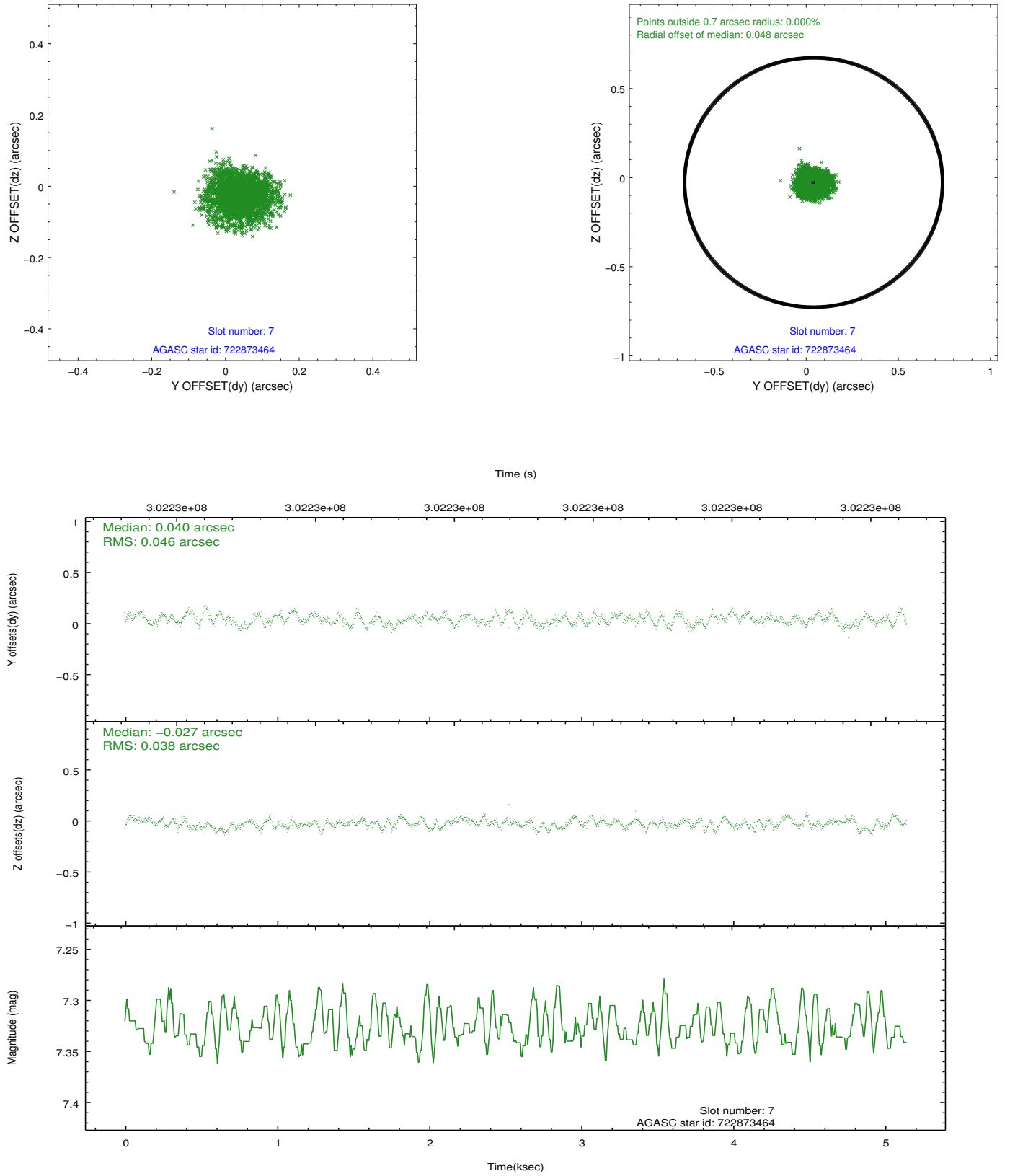
2.4.3 Slot 5



2.4.4 Slot 6

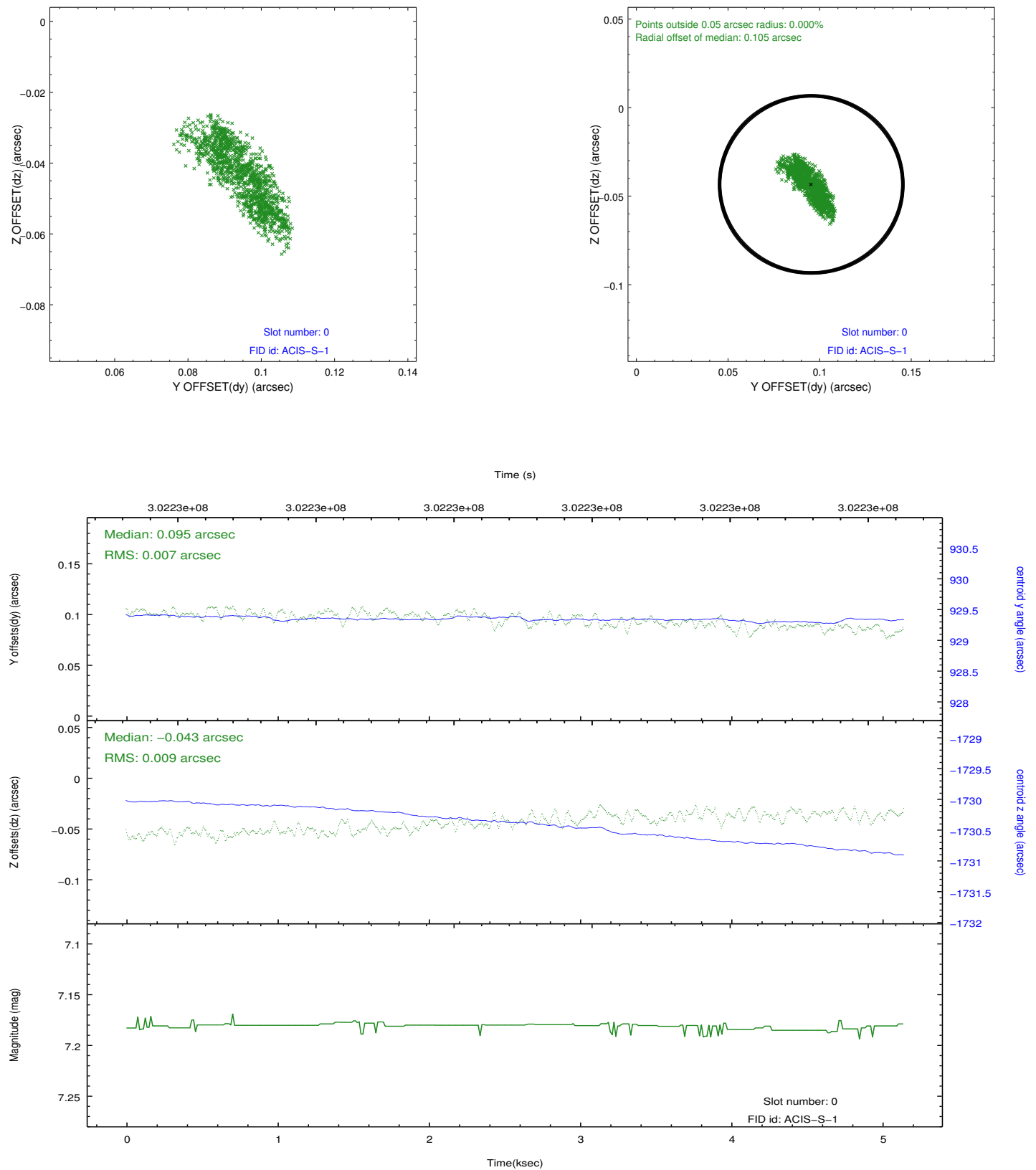


2.4.5 Slot 7

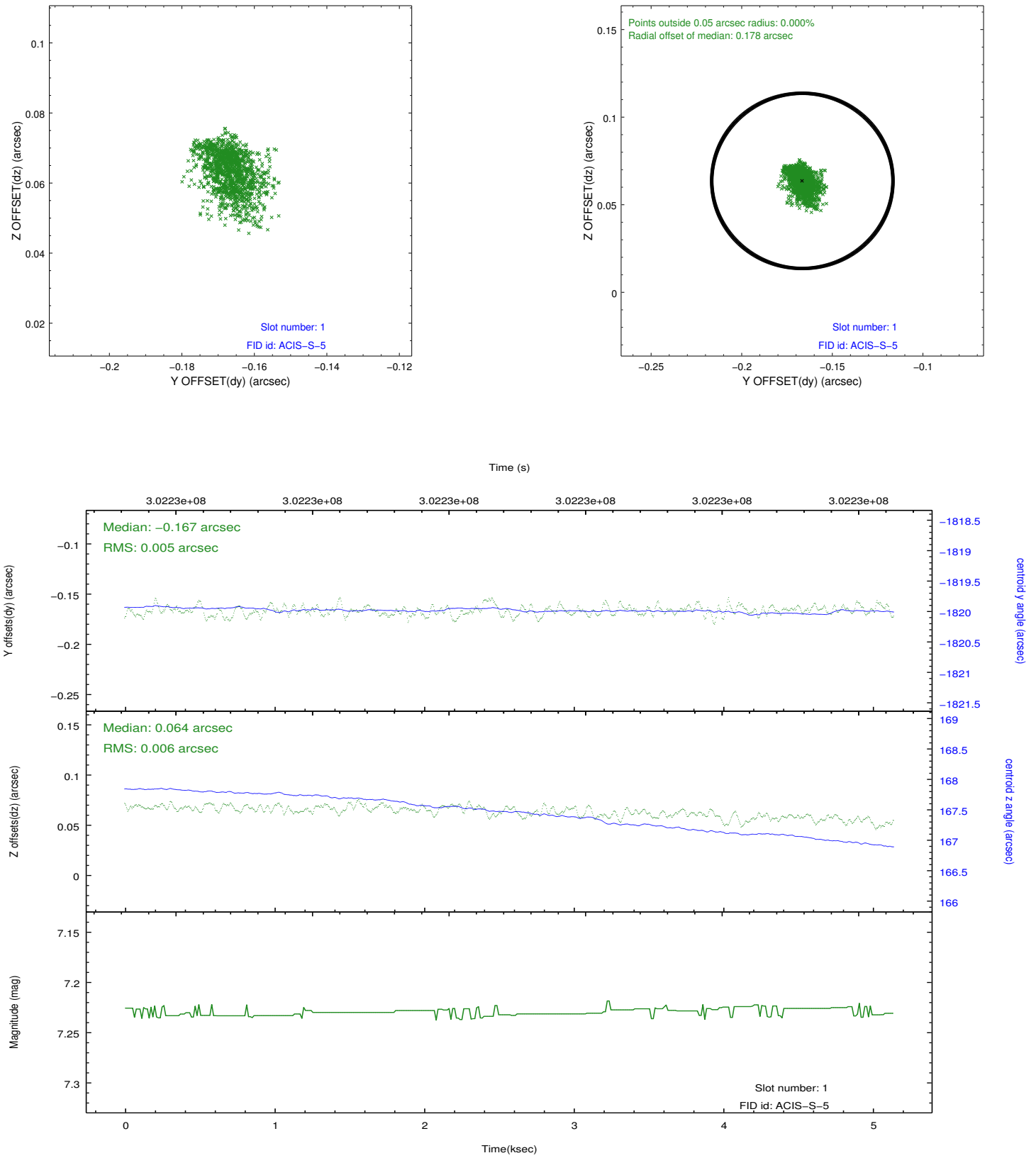


2.5 FID Slots

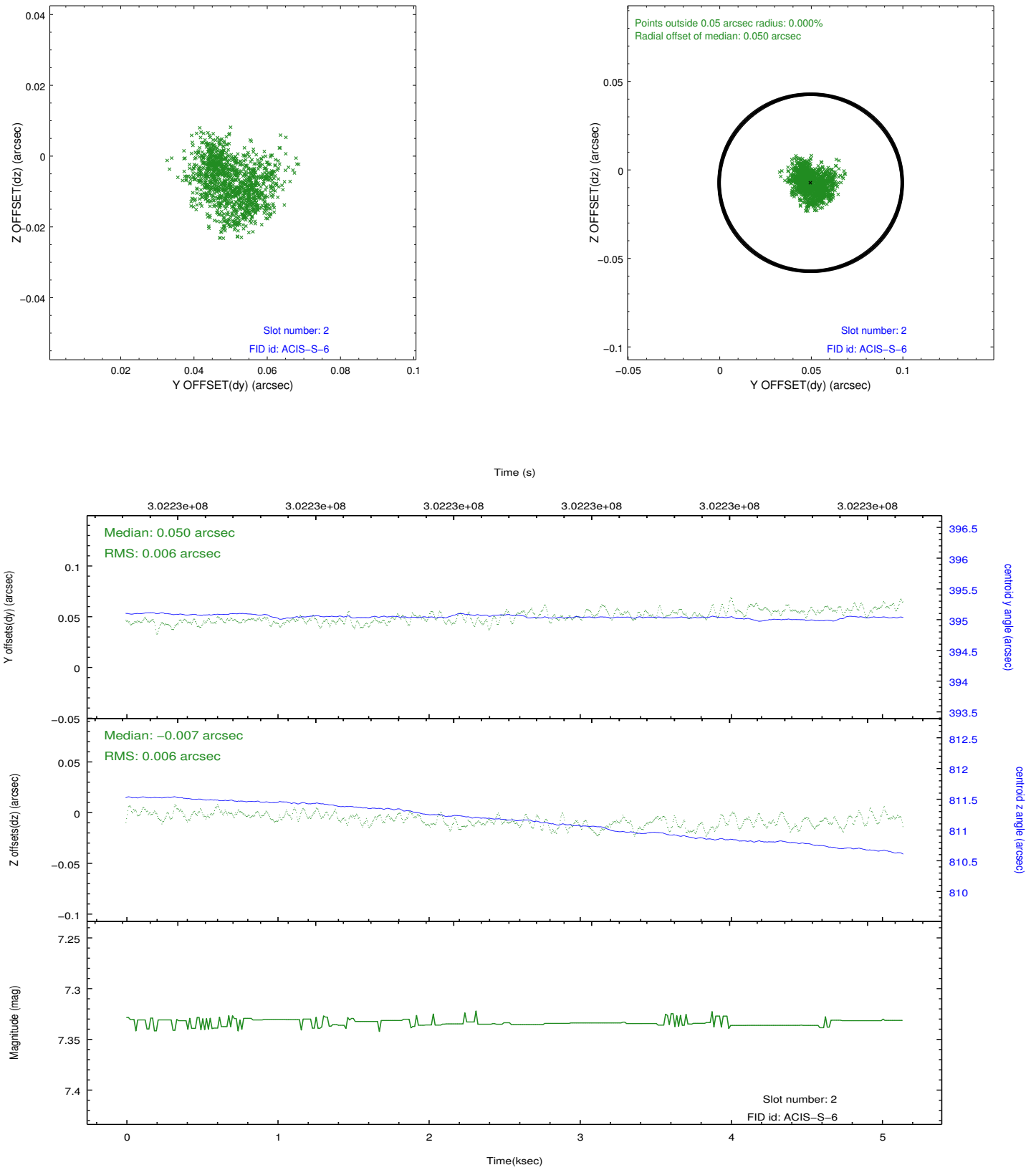
2.5.1 Slot 0



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)	2012.05.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.14439969

A.2 Comments

Coordinated with HST. Follows obsid 7793 by 3 days which meets observation separation requirement for this primary epoch. Target is elongated with at least 2 separate sources resolved. Requested coordinates were ra=11:31:51.60 dec=-12:31:57.00. This position is on the edge of the x-ray emission. The pixel with the largest number of counts is at ra=11:31:51.60, dec=-12:31:59.0.