

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 7785 - L2 Version 3
Chandra X-Ray Center

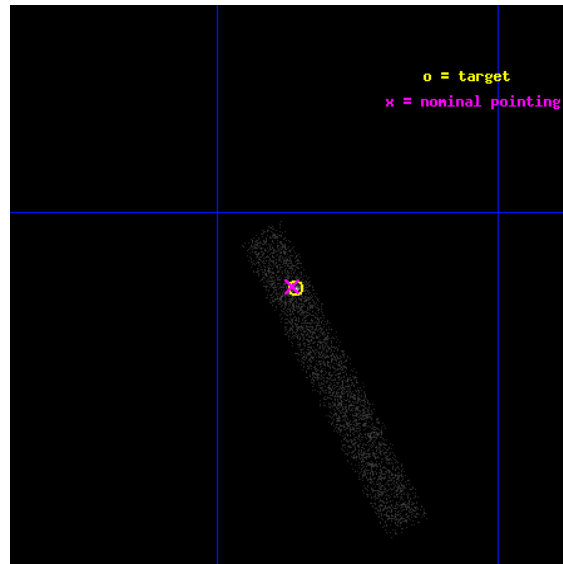
L2 Processing Date : Apr 16 2012

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

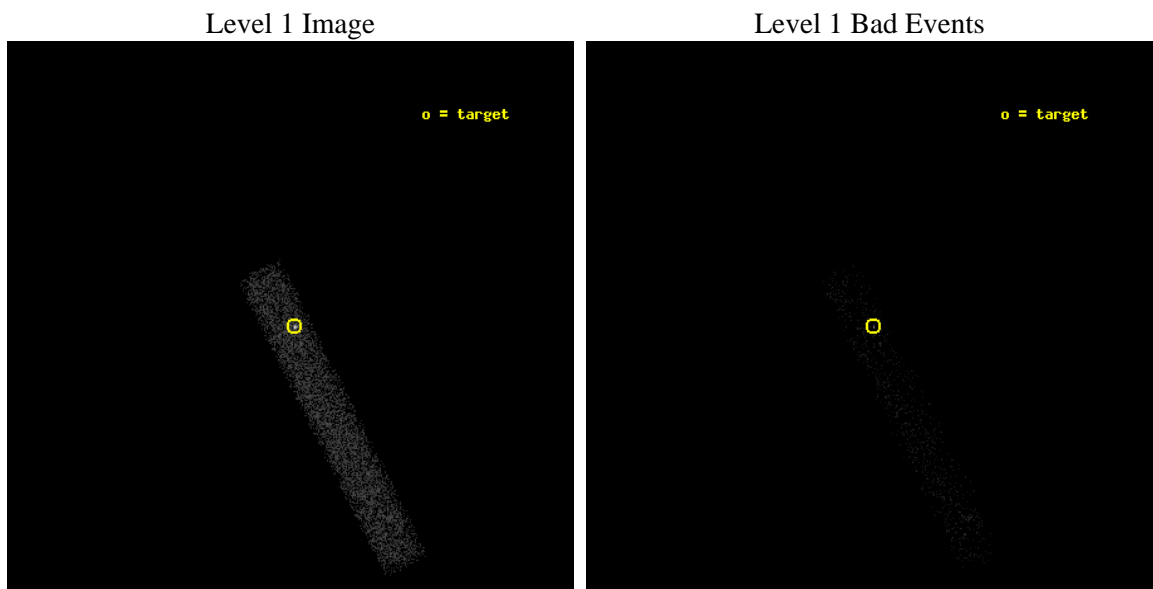
seq_num	701453	Sequence number
obs_id	7785	Observation id
title	Dissecting an Accretion Disk	Proposal title
observer	Prof. Christopher Kochanek	Principal investigator
object	RXJ1131-1231	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	172.965	Observer's specified target RA [deg]
dec_targ	-12.5325	Observer's specified target Dec [deg]
ra_nom	172.96699278496	Nominal RA [deg]
dec_nom	-12.532067274421	Nominal Dec [deg]
roll_nom	63.128309783629	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5183.5996910334	Sum of GTIs [s]
livetime	4701.2513069412	Livetime [s]
ontime7	5183.5996910334	Sum of GTIs [s]
l2events	7201	Number of level 2 events



2 OBI

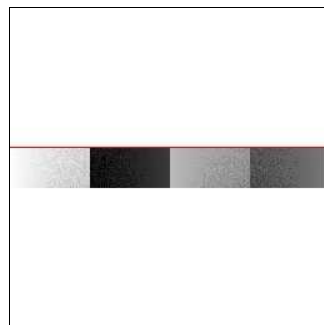
2.1 OBI

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	8.4.3.1	Processing system revision	ontime	5183.5996910334	Sum of GTIs [s]
caldsver	4.4.9	 	ontime7	5183.5996910334	Sum of GTIs [s]
date	2012-04-16T13:14:24	Date and time of file creation	l1events	13355	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

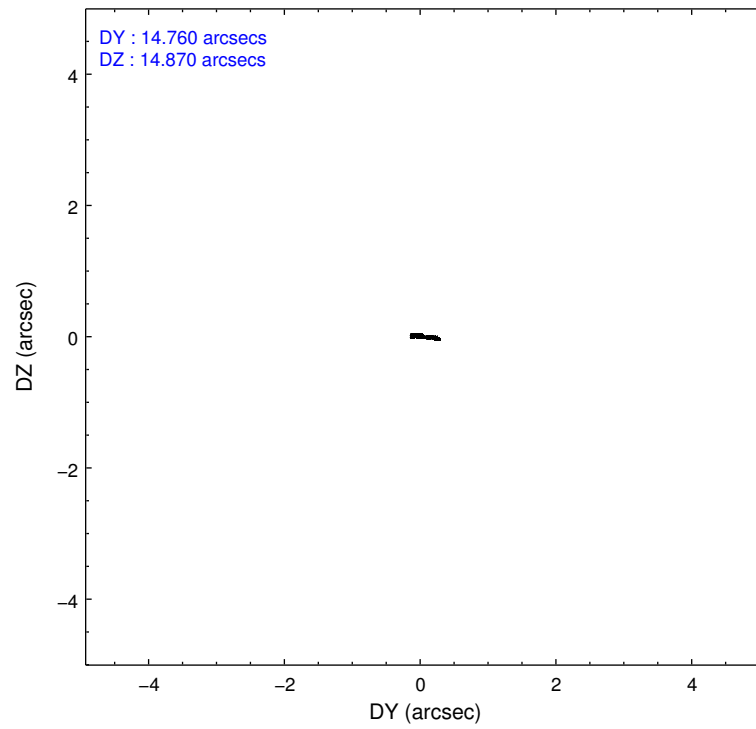
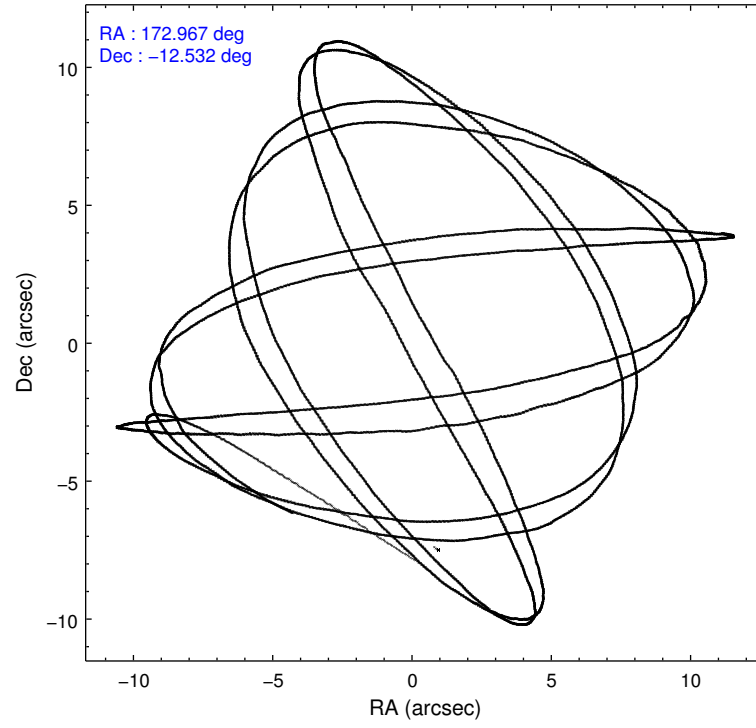
	ccd 7
level 1 events	13355
rejected events	5983
rejected %	44%

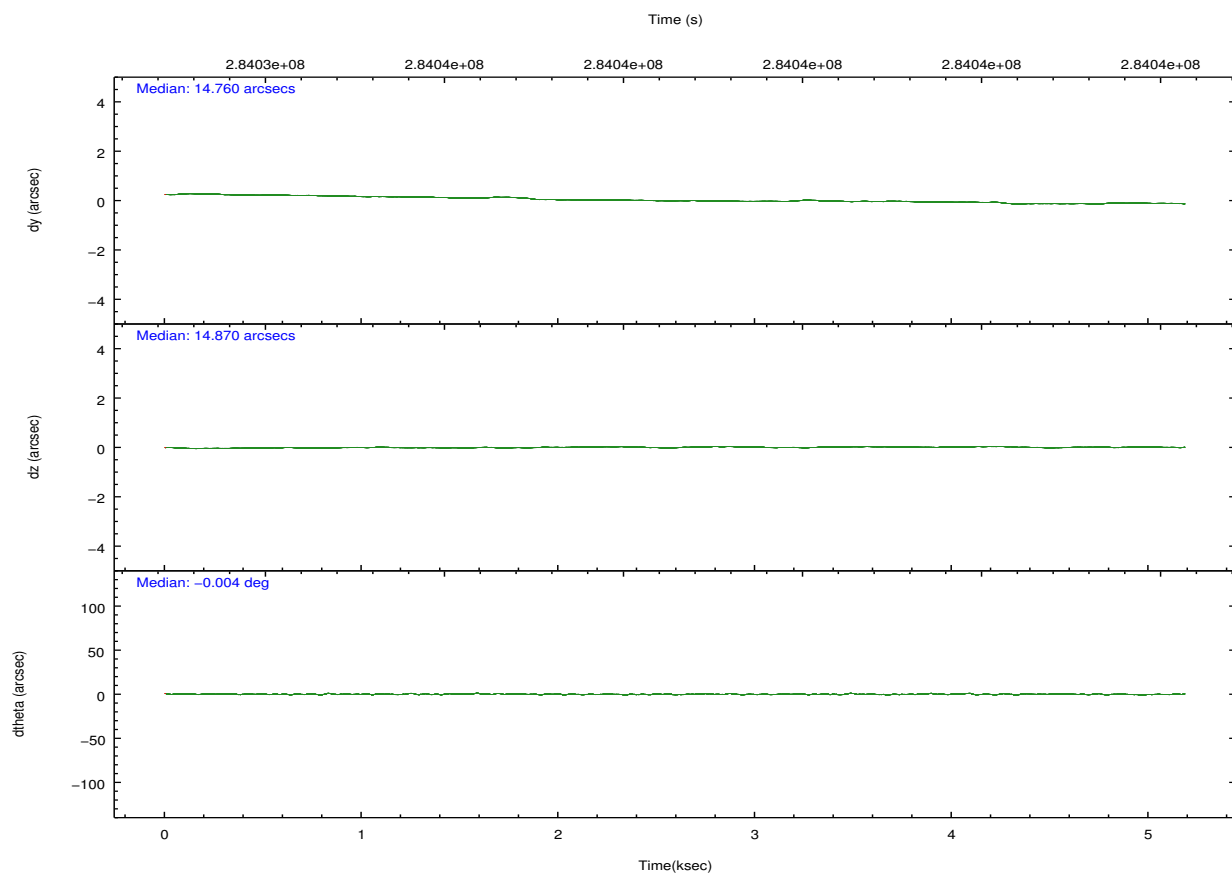
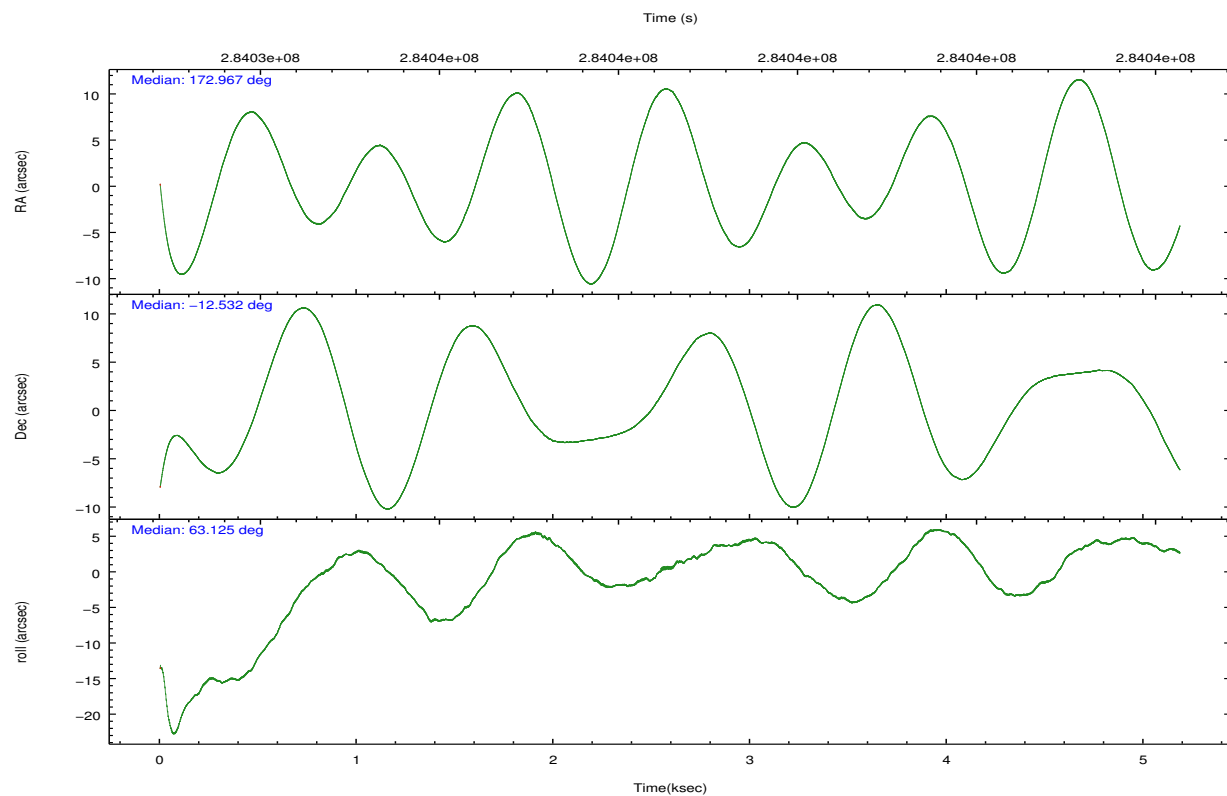
	ccd 7
grade 0 events	1450
	10%
grade 1 events	30
	0%
grade 2 events	1779
	13%
grade 3 events	1003
	7%
grade 4 events	965
	7%
grade 5 events	974
	7%
grade 6 events	2764
	20%
grade 7 events	4390
	32%

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	172.969003	172.9669927849615	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-12.559313	-12.53206727442083	Subarray start row	449	449
[deg] Pointing Roll	62.972099	63.12830978362913	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)	284033885.184000	284032917.31931			
Observation start date	2007-01-01T10:17:00	2007-01-01T10:01:57			
[s] Observation end time (MET)	284038885.184000	284039394.80712			
Observation end date	2007-01-01T11:40:20	2007-01-01T11:49:54			
Read mode	TIMED	TIMED			

2.3 Aspect



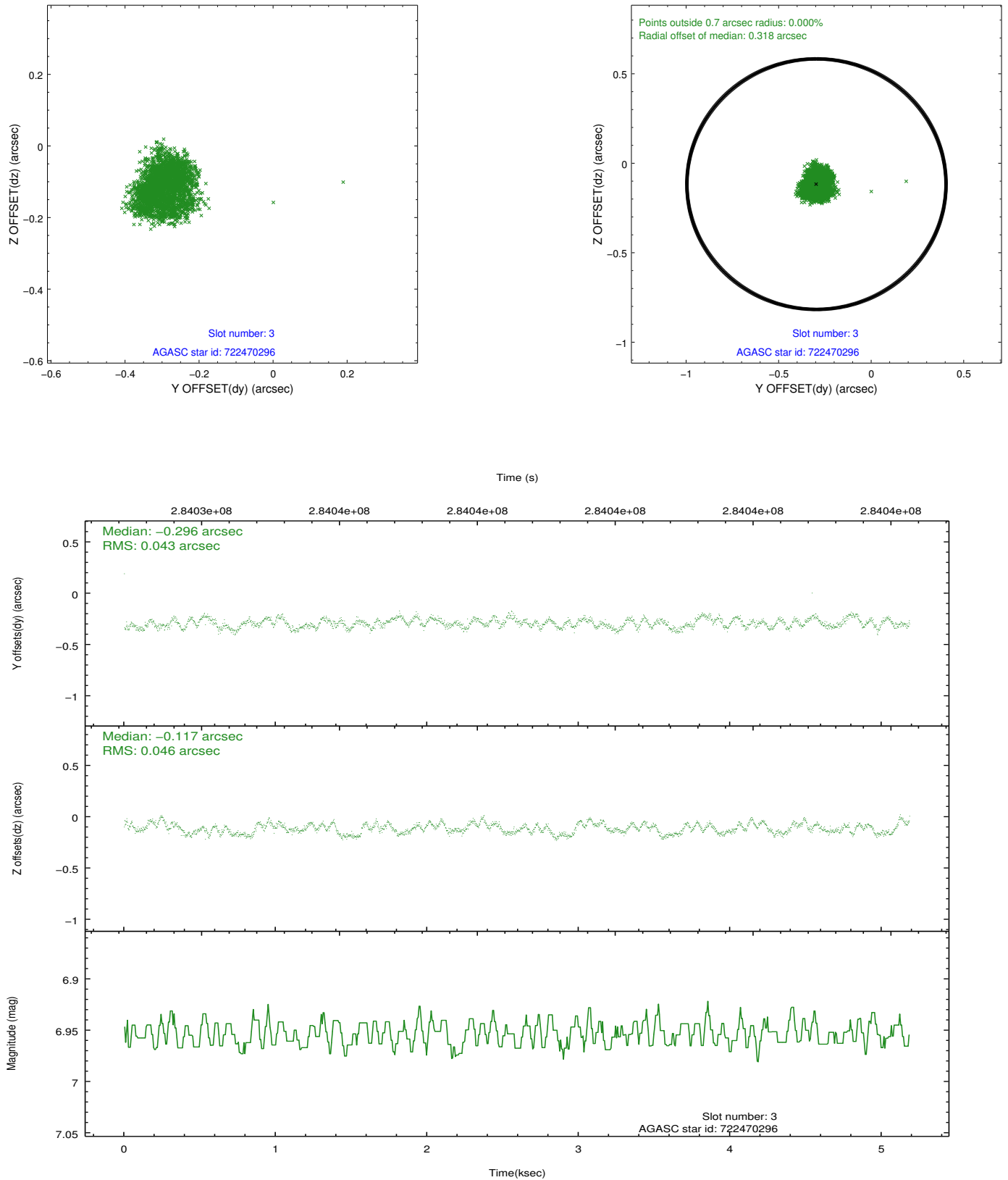


Slot Statistics

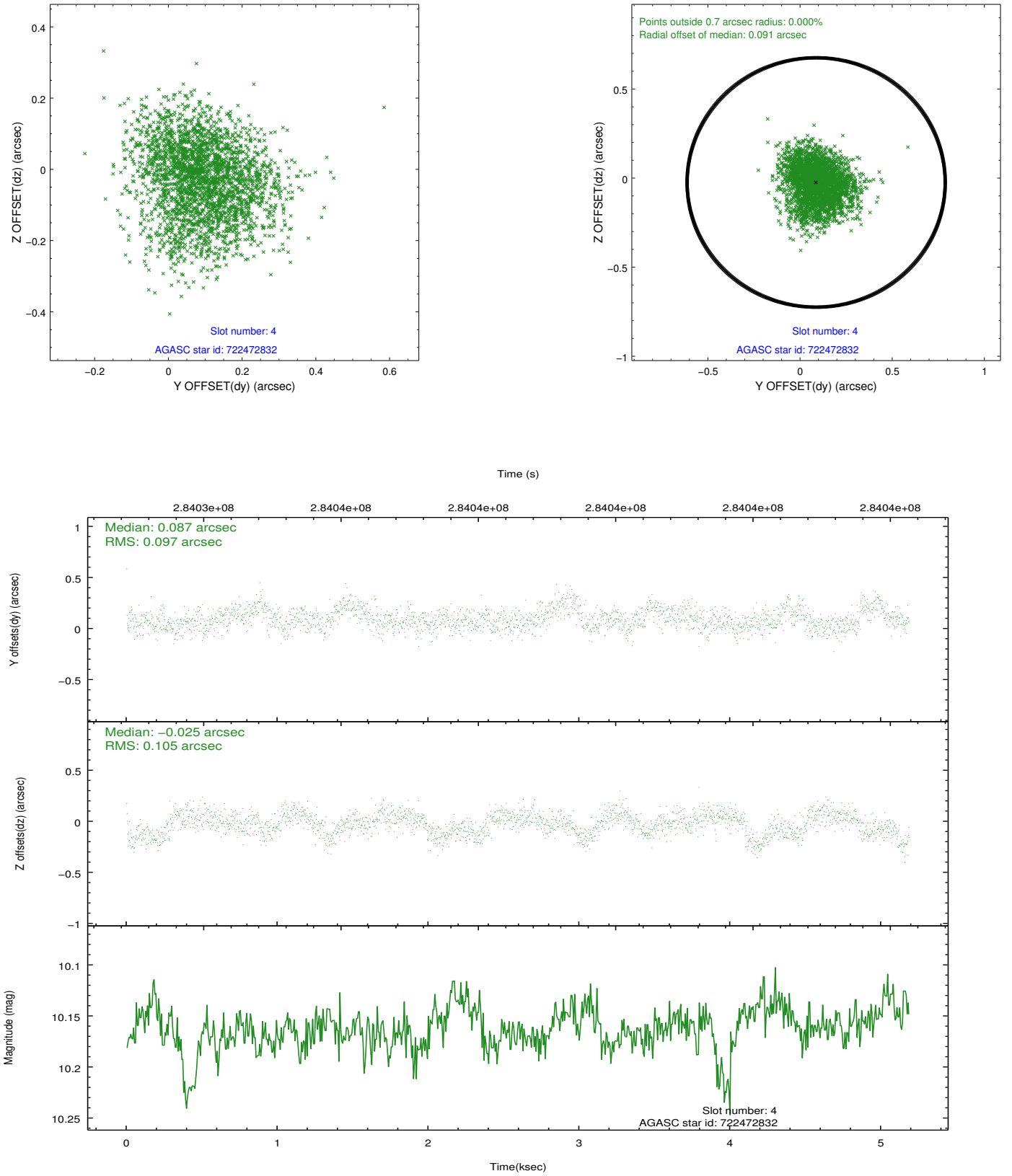
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	1265	-0.110	-0.053	0.008	0.015	0.000000	0.000000	-767.86	-1736.30
1	FID	ACIS-S-4	7.19	1265	0.257	0.067	0.008	0.023	0.000000	0.000000	2145.24	171.10
2	FID	ACIS-S-5	7.22	1265	-0.178	-0.005	0.009	0.023	0.000000	0.000000	-1819.28	166.01
3	GUIDE	722470296	6.95	2530	-0.296	-0.117	0.068	0.100	172.921689	-12.381367	495.17	439.33
4	GUIDE	722472832	10.16	2525	0.087	-0.025	0.152	0.241	173.078970	-12.015349	1921.03	545.14
5	GUIDE	722473176	9.49	2529	-0.020	-0.123	0.122	0.188	172.599746	-12.066793	988.85	1963.51
6	GUIDE	722871728	9.66	2528	0.063	0.263	0.139	0.218	173.202235	-12.568355	344.04	-743.87
7	GUIDE	722873464	7.30	2529	0.156	-0.000	0.074	0.115	172.661543	-13.050266	-2064.44	156.21

2.4 Star Slots

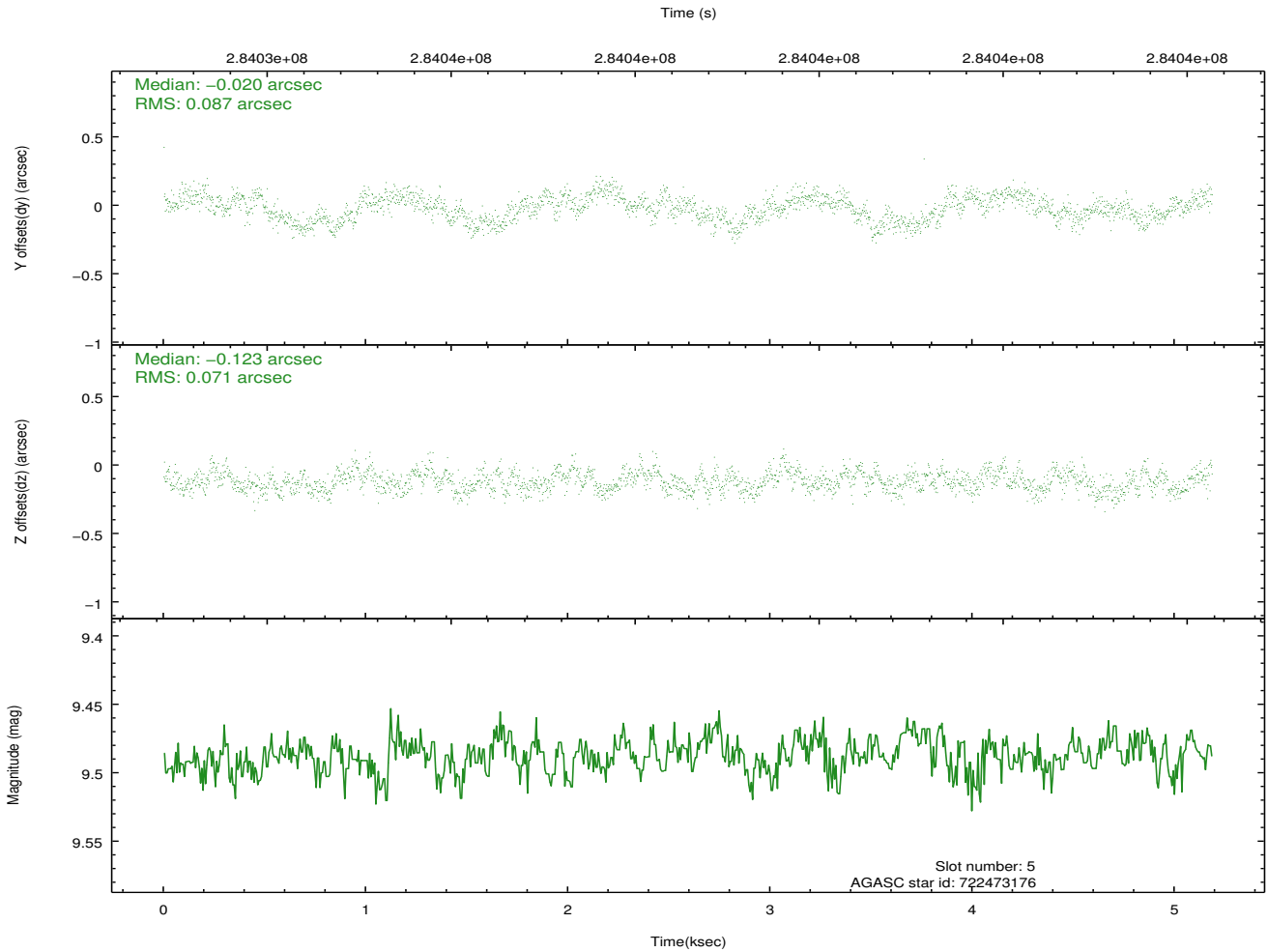
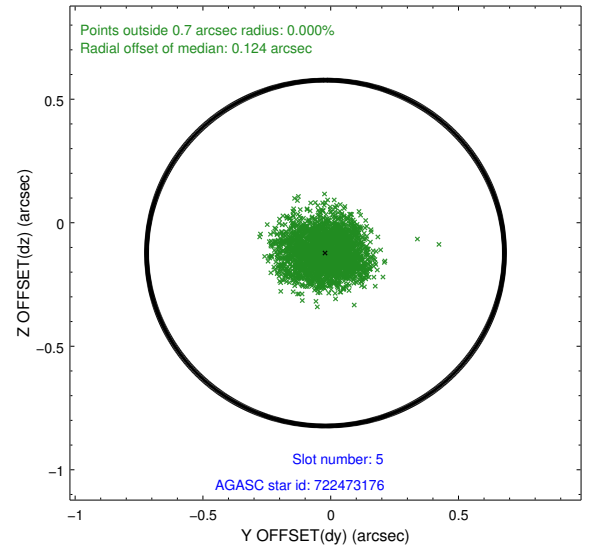
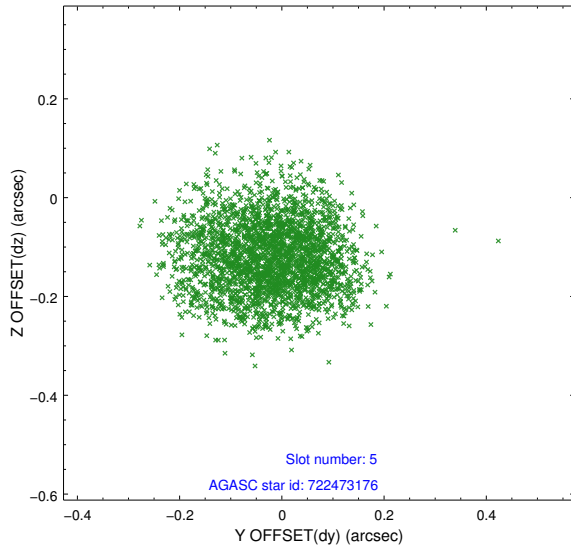
2.4.1 Slot 3



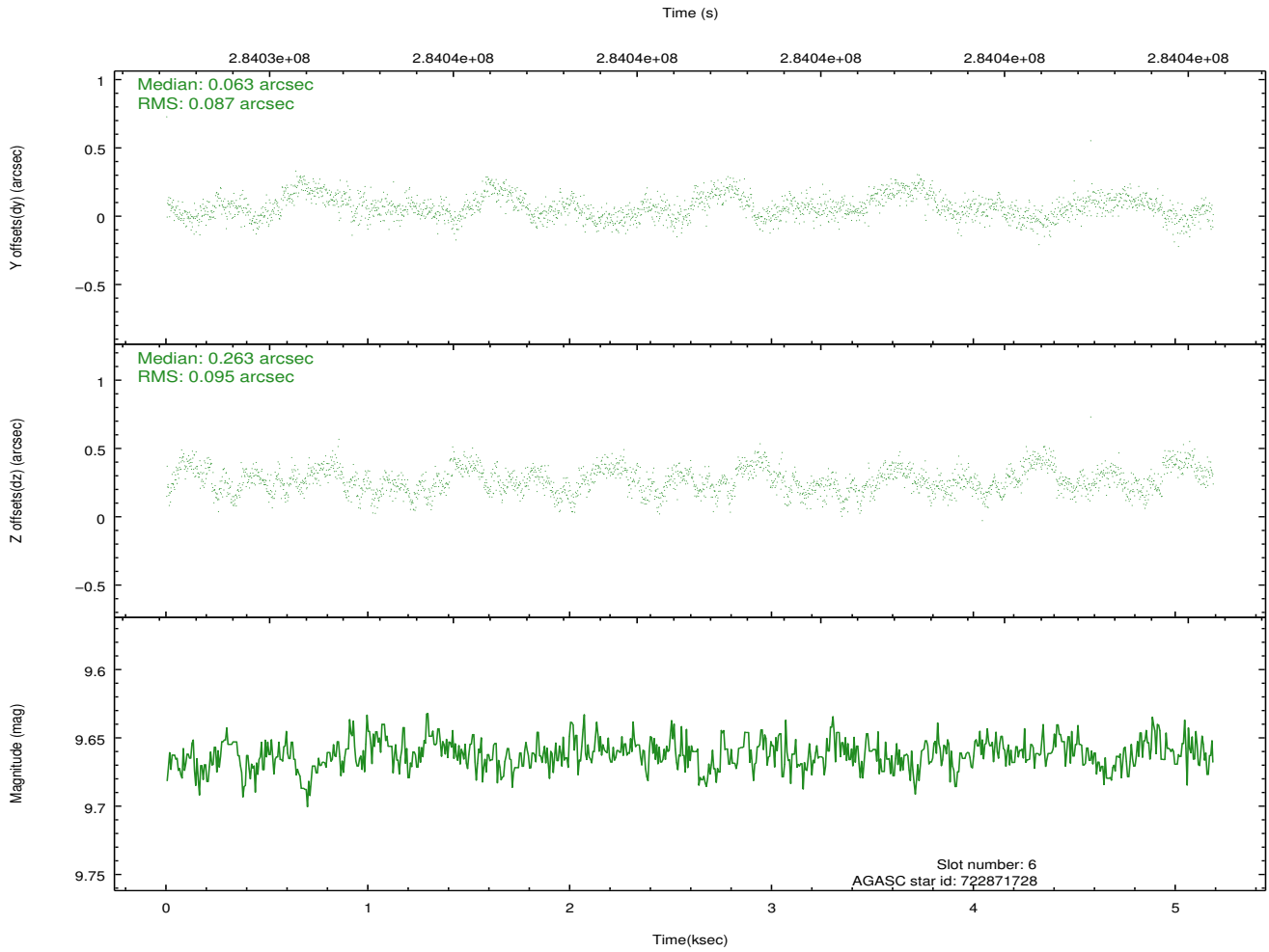
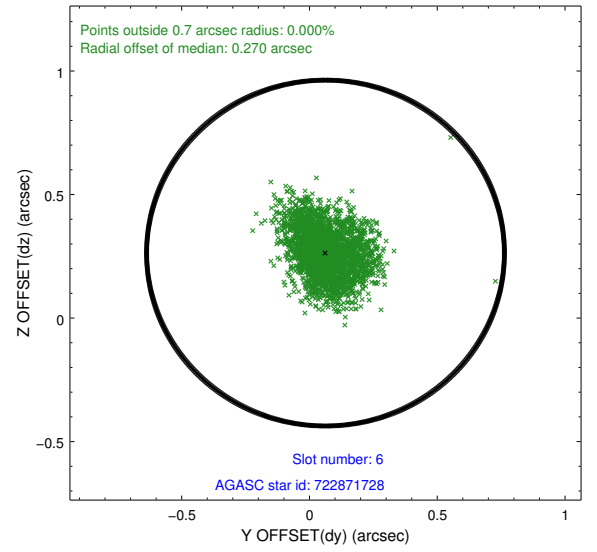
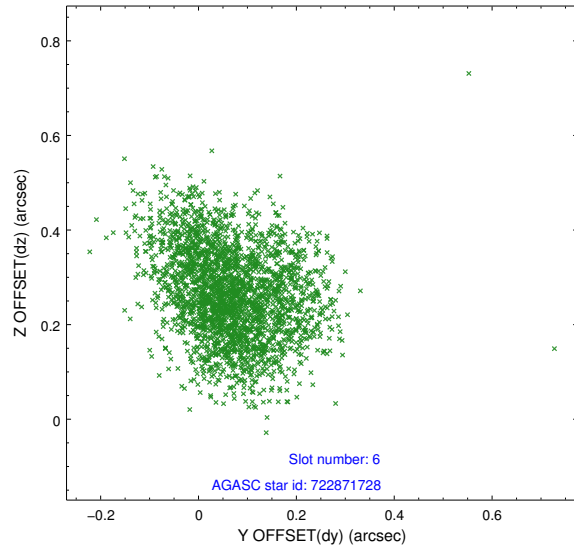
2.4.2 Slot 4



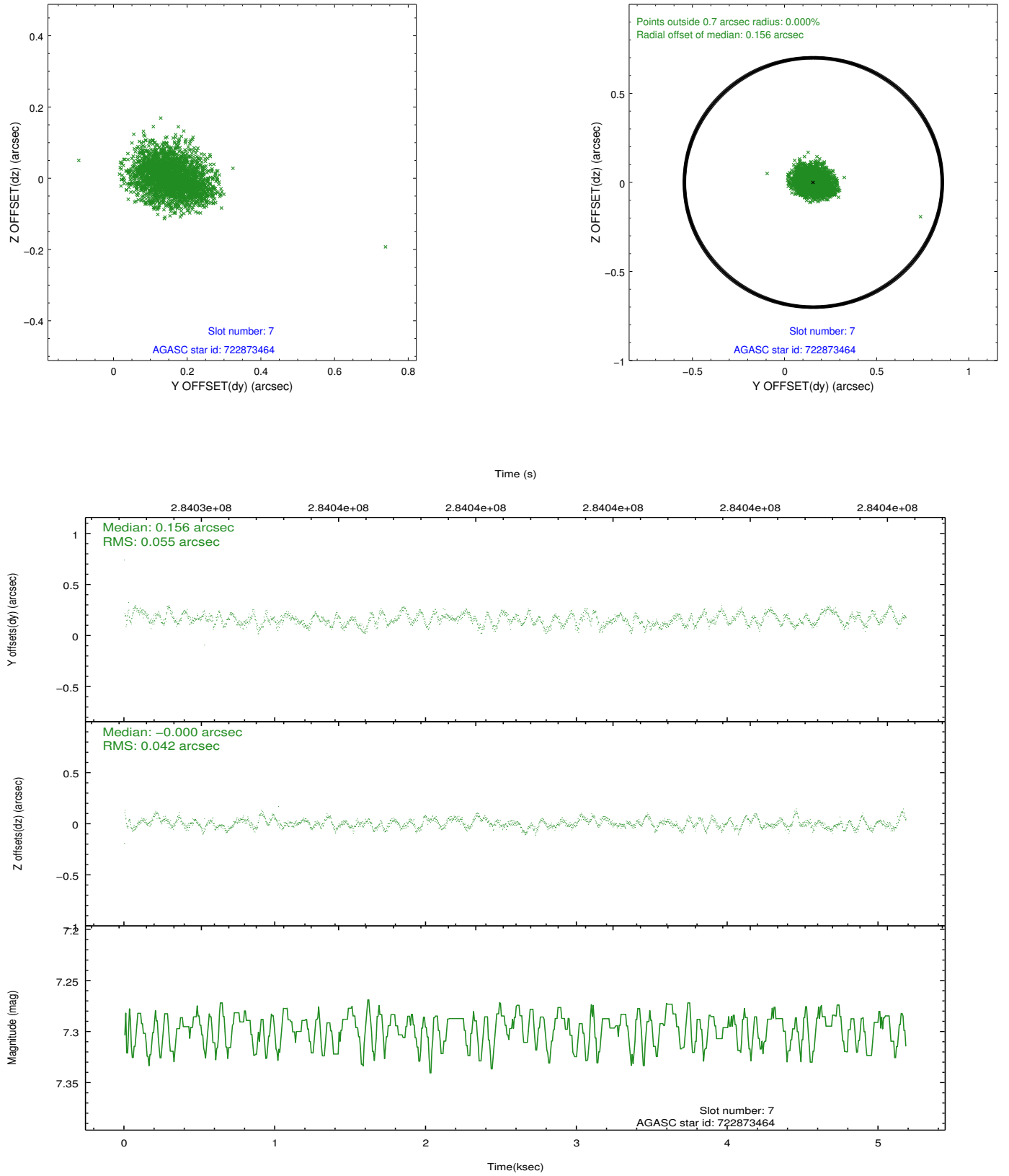
2.4.3 Slot 5



2.4.4 Slot 6

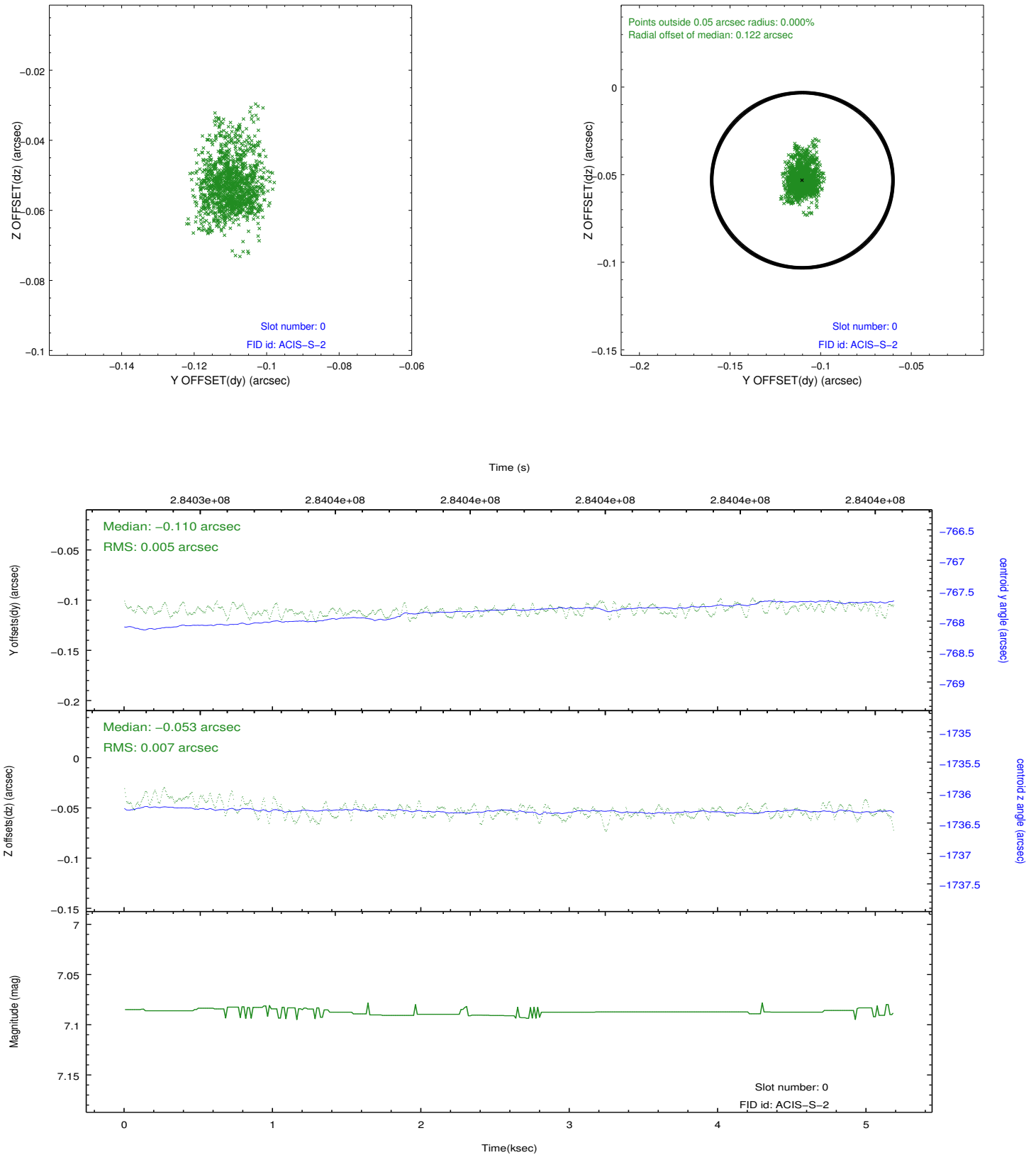


2.4.5 Slot 7

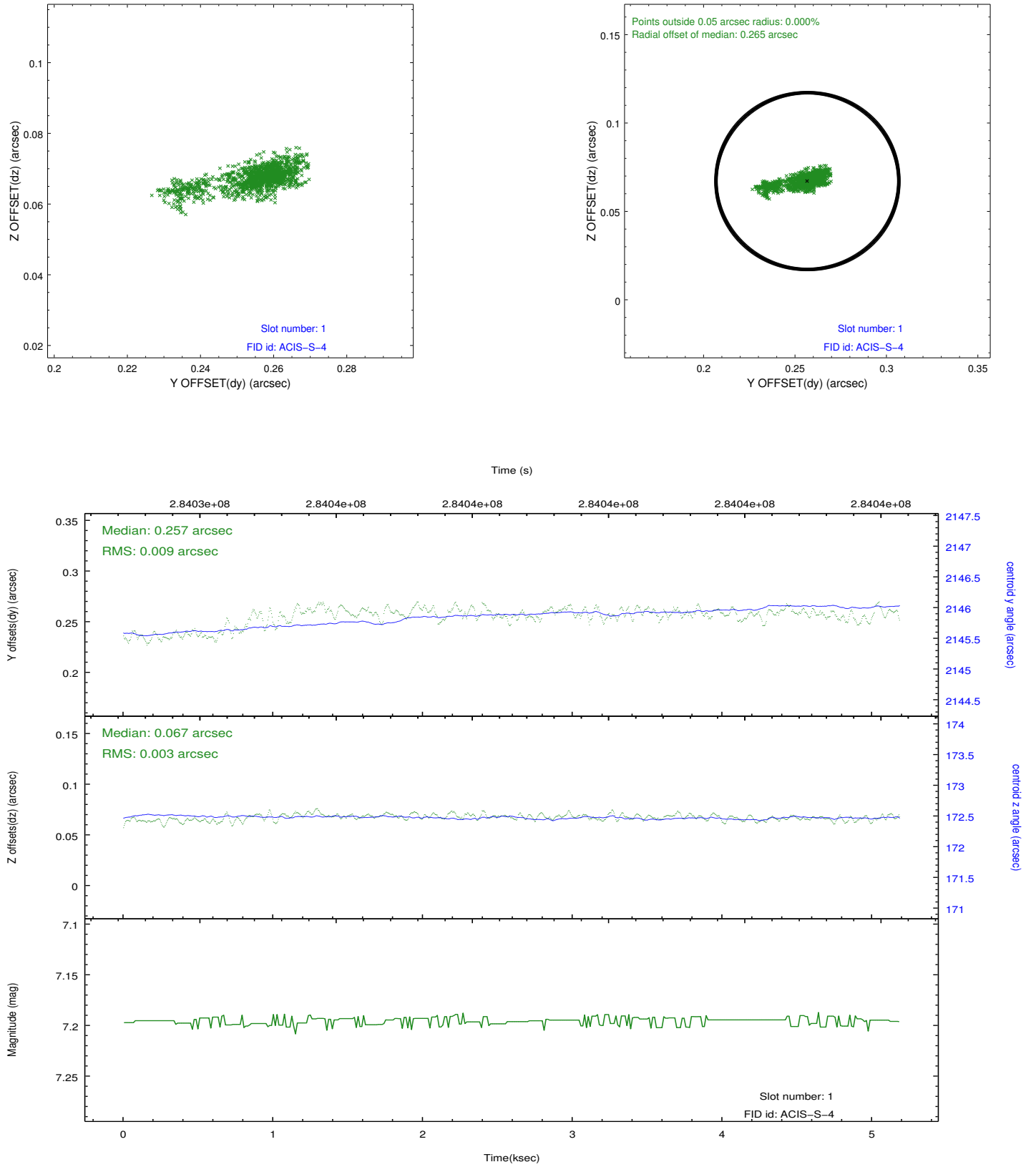


2.5 FID Slots

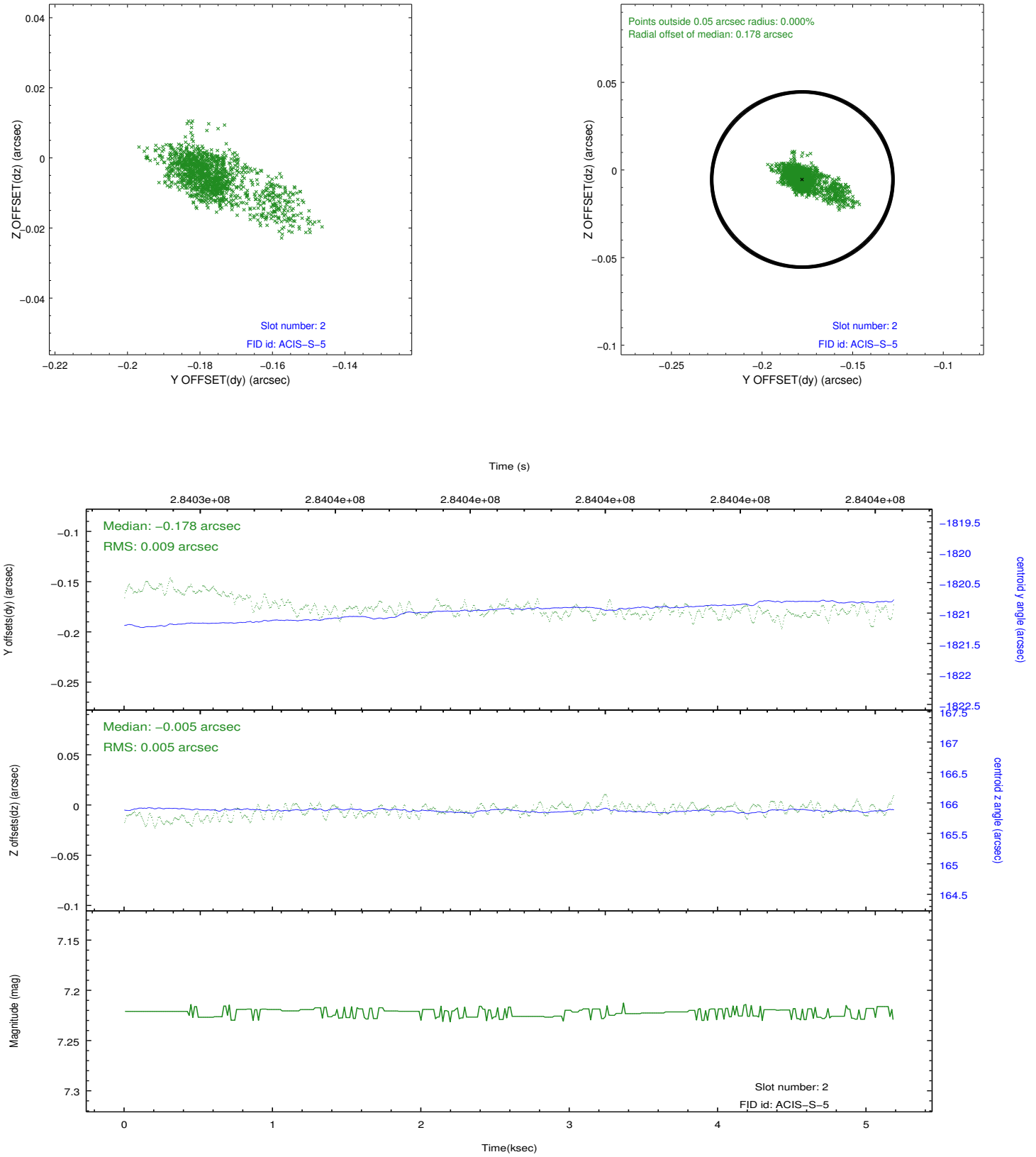
2.5.1 Slot 0



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)	2012.04.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.18359969

A.2 Comments