

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7789 - L2 Version 3
Chandra X-Ray Center

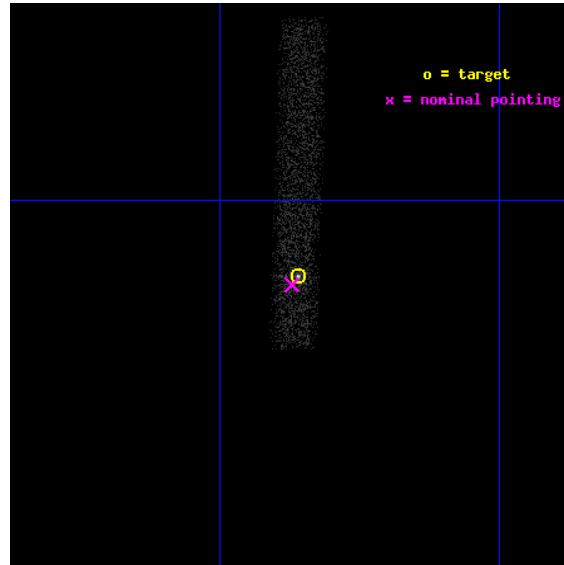
L2 Processing Date : Apr 23 2012

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

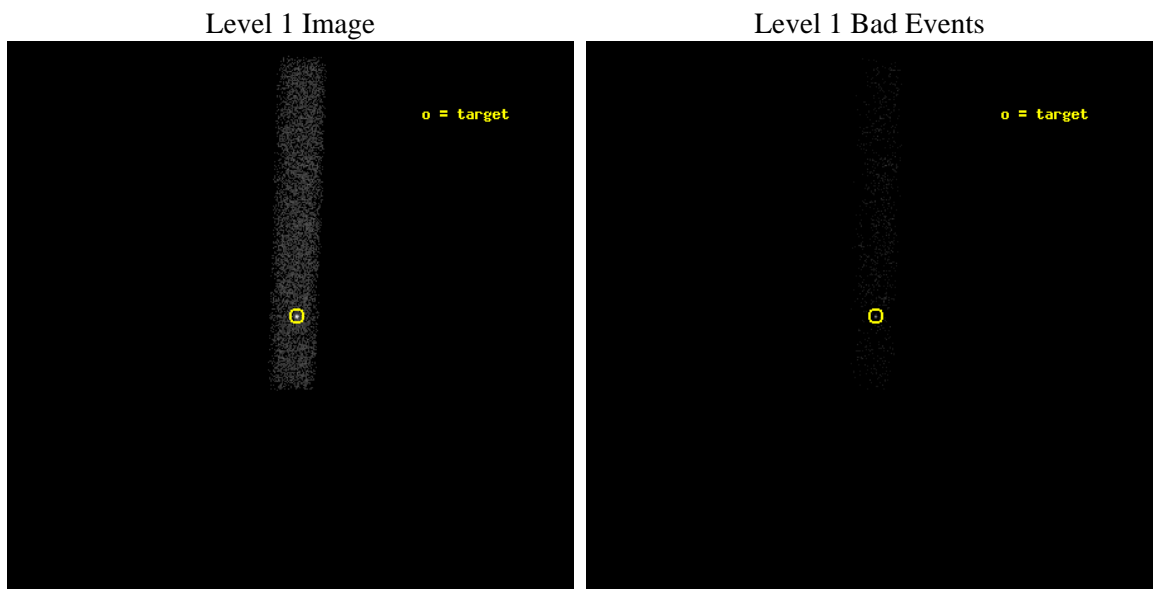
seq_num	701457	Sequence number
obs_id	7789	Observation id
title	Dissecting an Accretion Disk	Proposal title
observer	Prof. Christopher Kochanek	Principal investigator
object	RXJ1131-1231	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	172.965	Observer's specified target RA [deg]
dec_targ	-12.5325	Observer's specified target Dec [deg]
ra_nom	172.96774686516	Nominal RA [deg]
dec_nom	-12.536557141284	Nominal Dec [deg]
roll_nom	271.94117086583	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5189.5996906757	Sum of GTIs [s]
livetime	4706.6929899109	Livetime [s]
ontime7	5189.5996906757	Sum of GTIs [s]
l2events	7589	Number of level 2 events



2 OBI

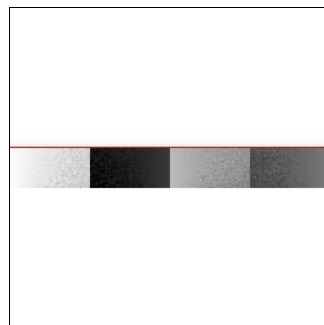
2.1 OBI

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	5189.5996906757	Sum of GTIs [s]
caldsver	4.4.9	 	ontime7	5189.5996906757	Sum of GTIs [s]
date	2012-04-23T09:09:58	Date and time of file creation	l1events	13833	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

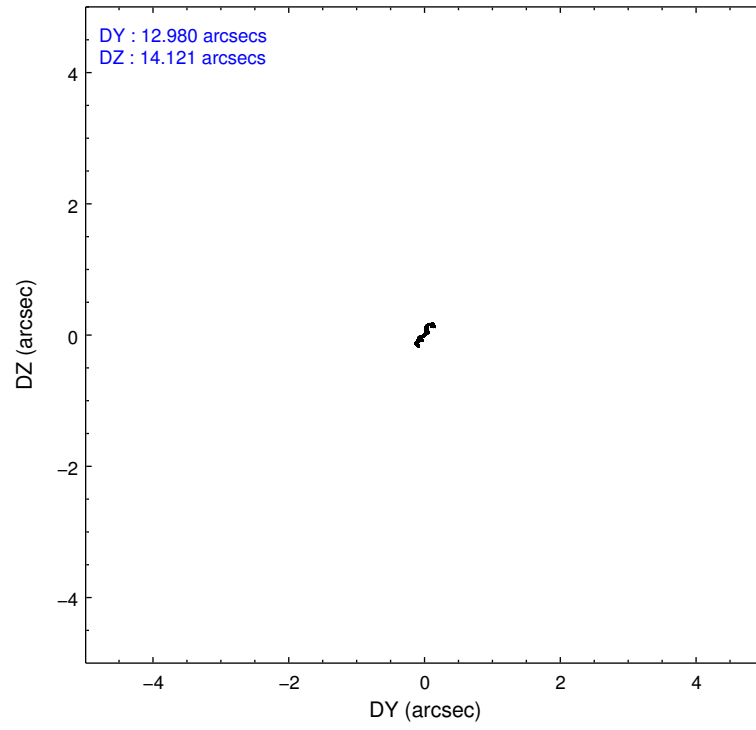
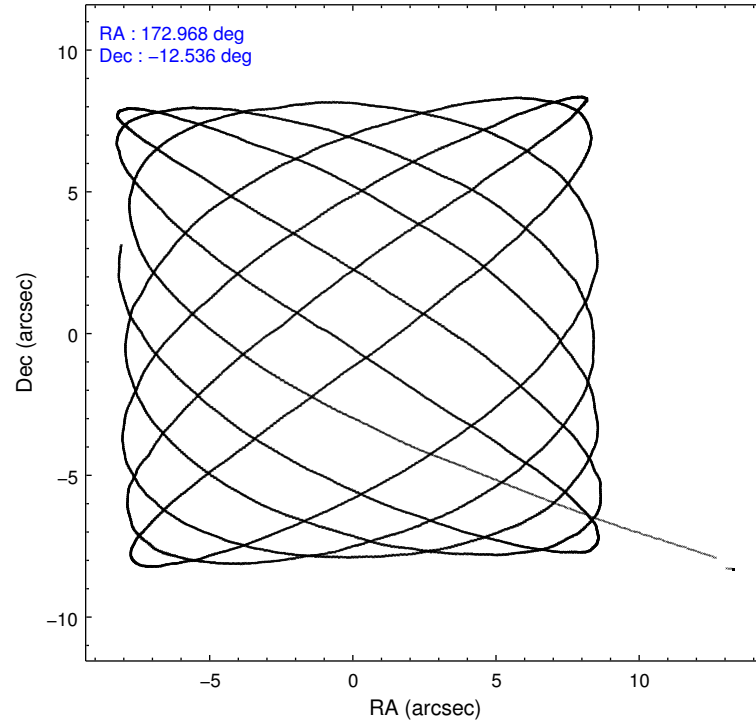
	ccd 7
level 1 events	13833
rejected events	6076
rejected %	43%

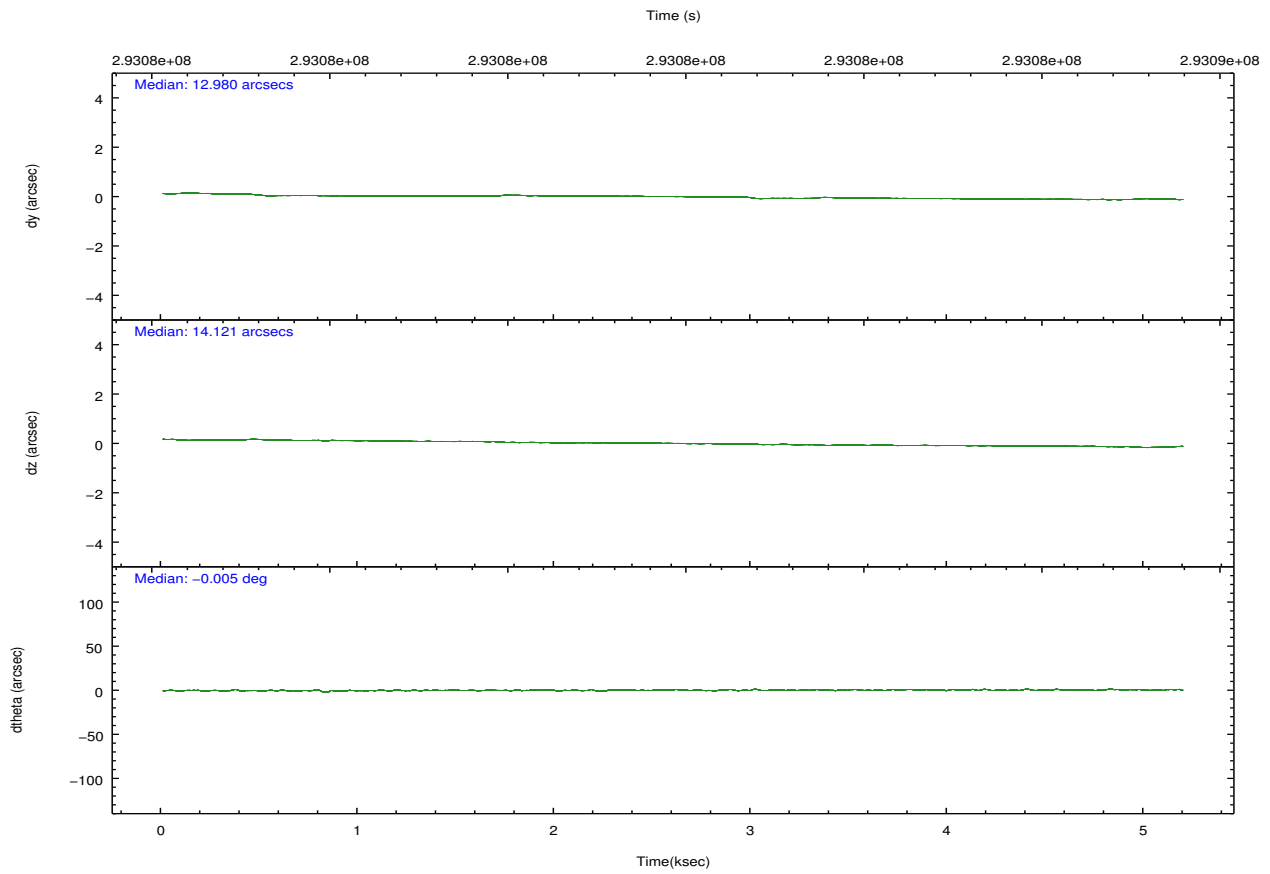
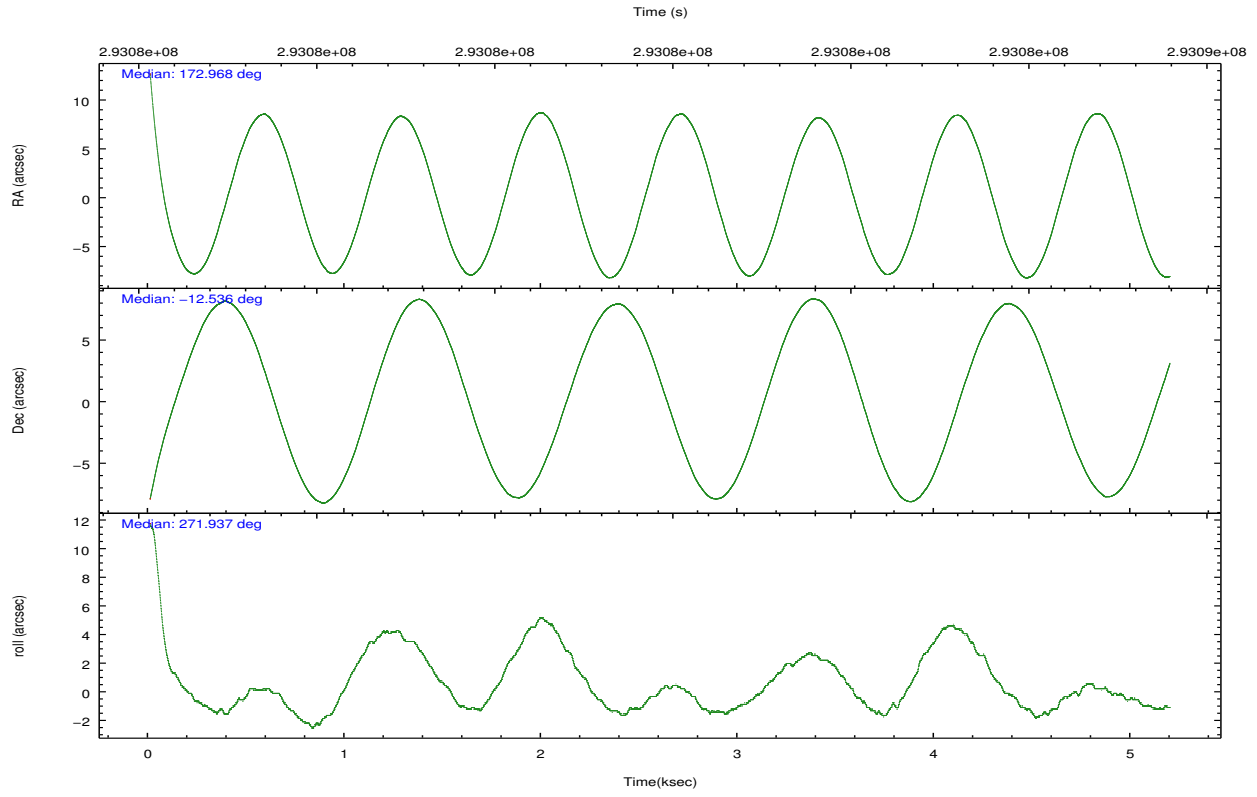
	ccd 7
grade 0 events	1554
	11%
grade 1 events	30
	0%
grade 2 events	1861
	13%
grade 3 events	1011
	7%
grade 4 events	986
	7%
grade 5 events	937
	6%
grade 6 events	2956
	21%
grade 7 events	4498
	32%

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	172.952603	172.967746865164	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-12.513536	-12.53655714128437	Subarray start row	449	449
[deg] Pointing Roll	271.781234	271.9411708658332	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)	293080524.184000	293079535.97414			
Observation start date	2007-04-16T03:14:19	2007-04-16T02:58:55			
[s] Observation end time (MET)	293085524.184000	293086359.39947			
Observation end date	2007-04-16T04:37:39	2007-04-16T04:52:39			
Read mode	TIMED	TIMED			

2.3 Aspect



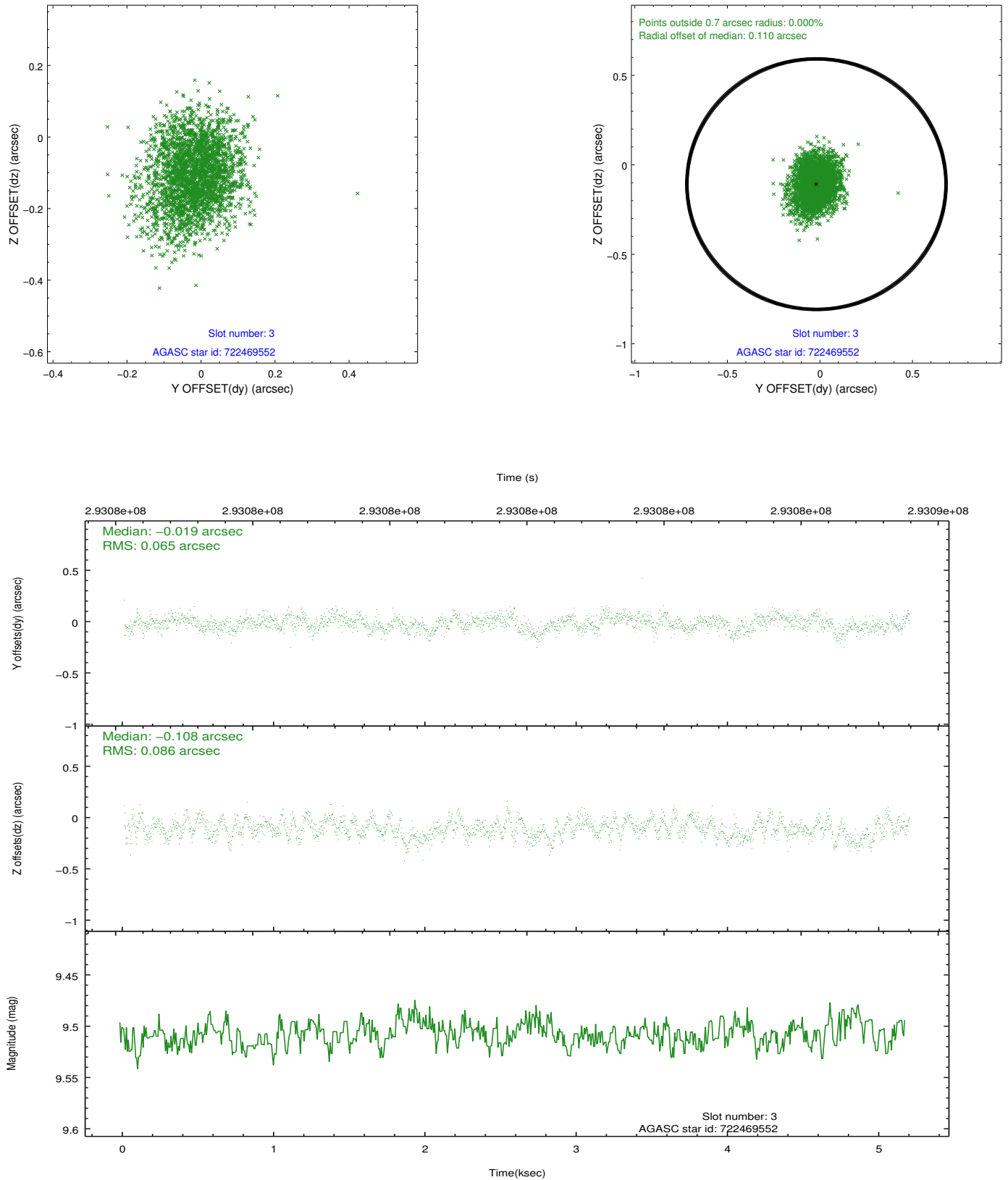


Slot Statistics

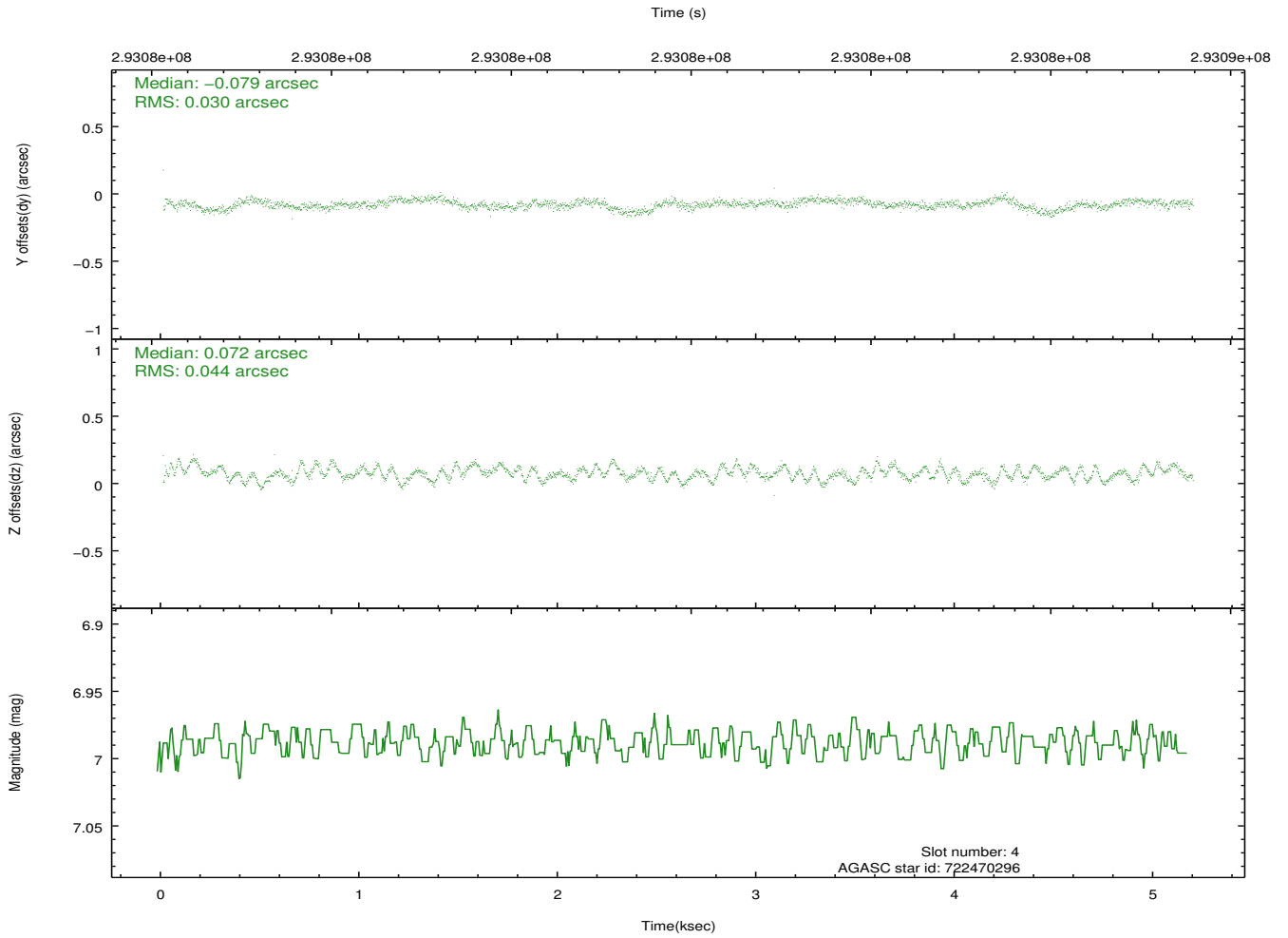
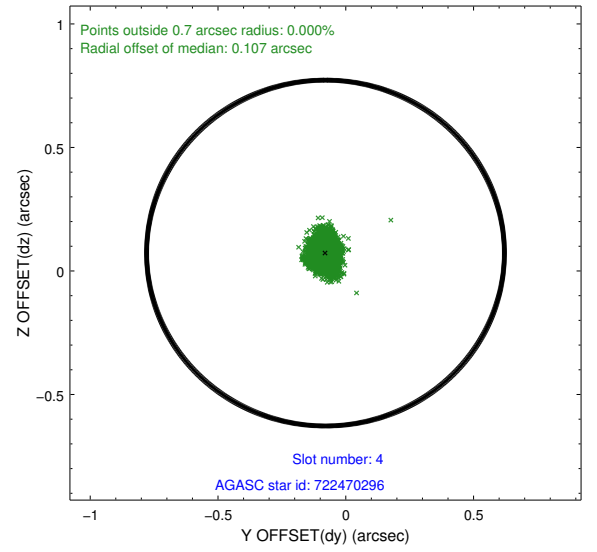
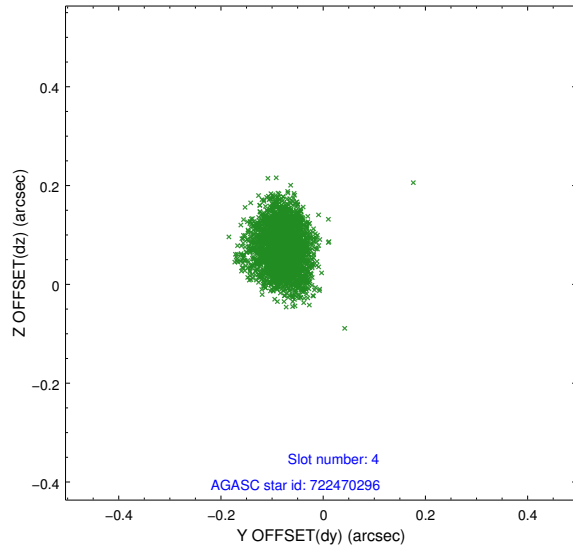
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	1267	-0.042	-0.052	0.007	0.012	0.000000	0.000000	-765.90	-1735.54
1	FID	ACIS-S-4	7.19	1267	0.171	0.035	0.008	0.013	0.000000	0.000000	2147.04	171.85
2	FID	ACIS-S-5	7.23	1267	-0.160	0.026	0.008	0.012	0.000000	0.000000	-1817.38	166.80
3	GUIDE	722469552	9.51	2529	-0.019	-0.108	0.115	0.186	172.271393	-12.124699	-1470.21	-2353.14
4	GUIDE	722470296	6.99	2532	-0.079	0.072	0.057	0.090	172.921689	-12.381367	-479.36	-94.71
5	GUIDE	722473176	9.46	2529	-0.047	0.041	0.104	0.167	172.599746	-12.066793	-1645.04	-1191.75
6	GUIDE	722871728	9.68	2530	0.078	-0.035	0.107	0.171	173.202235	-12.568355	224.61	870.18
7	GUIDE	722873464	7.33	2532	0.074	0.029	0.070	0.112	172.661543	-13.050266	1901.11	-1079.47

2.4 Star Slots

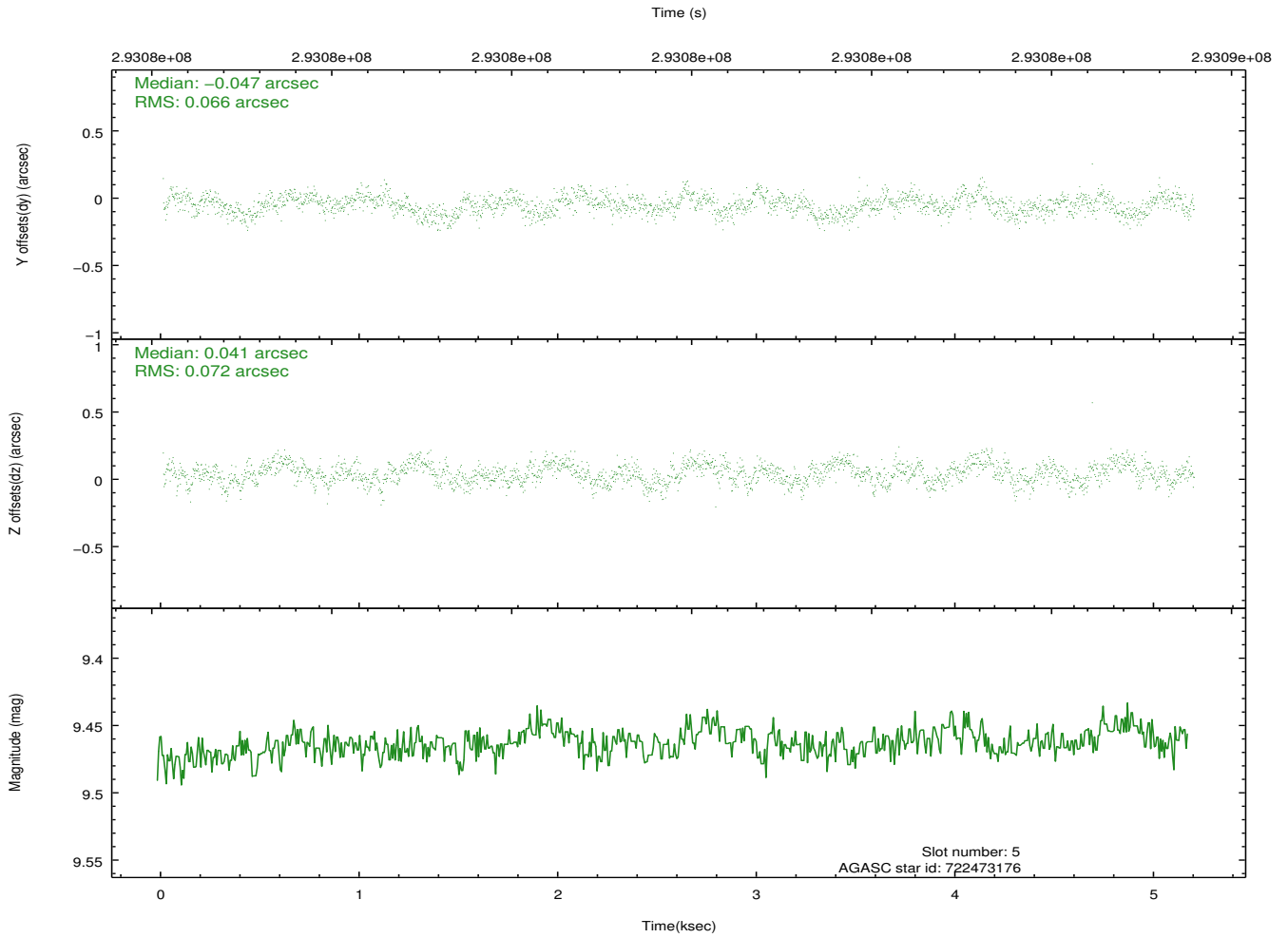
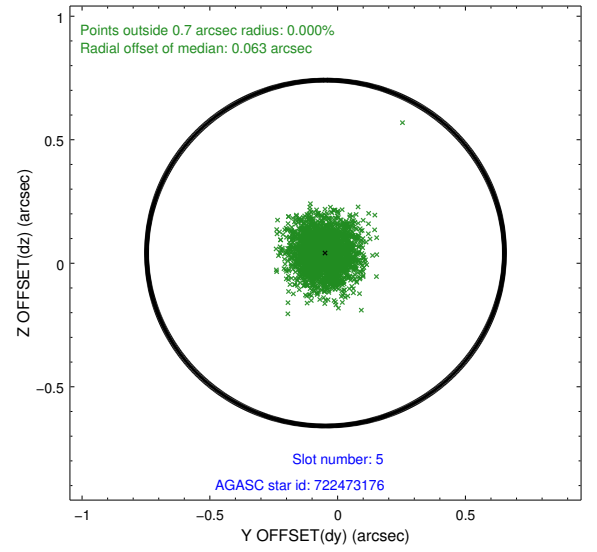
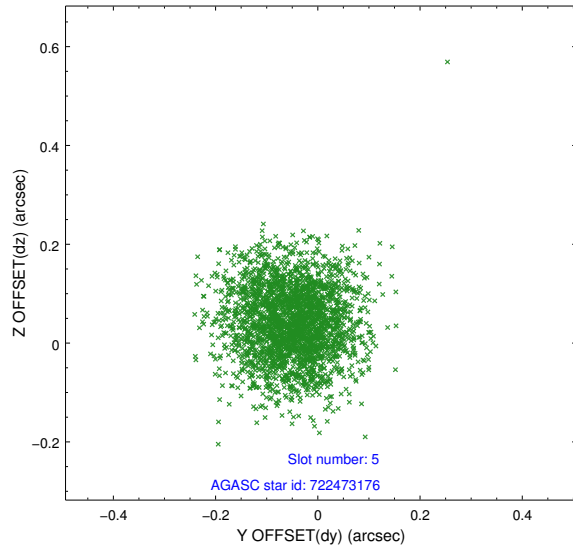
2.4.1 Slot 3



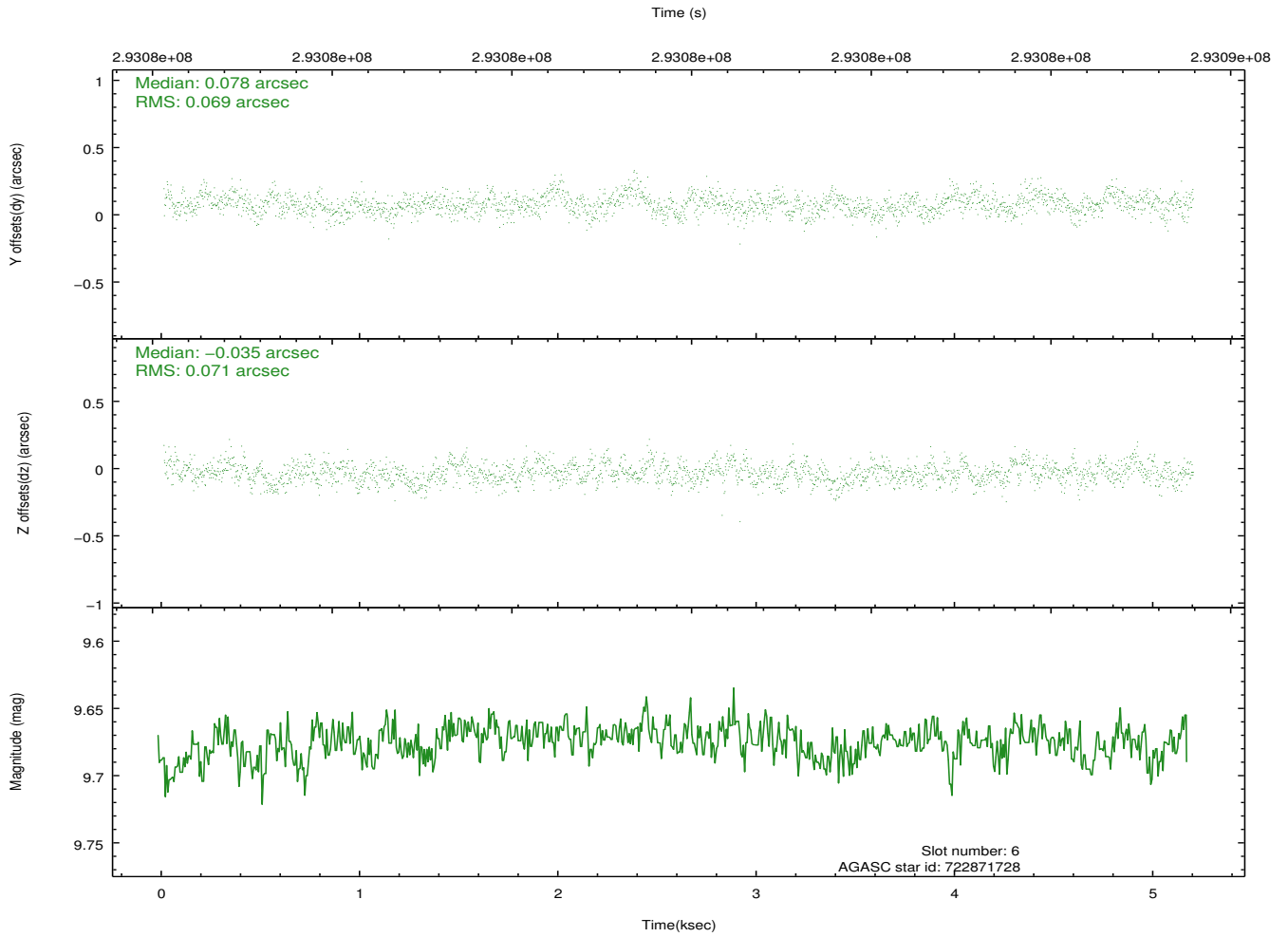
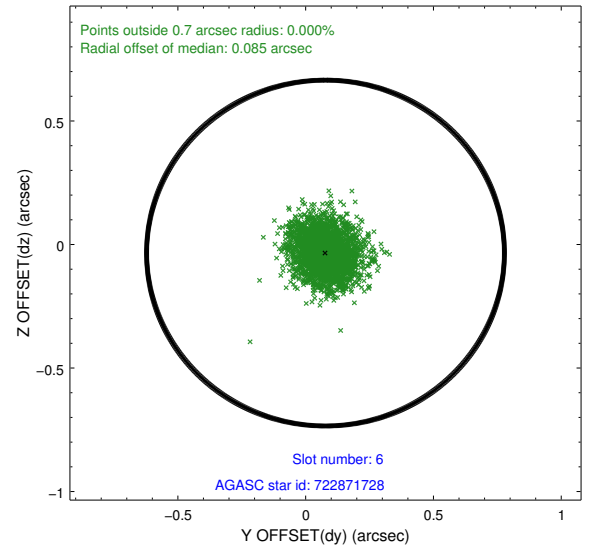
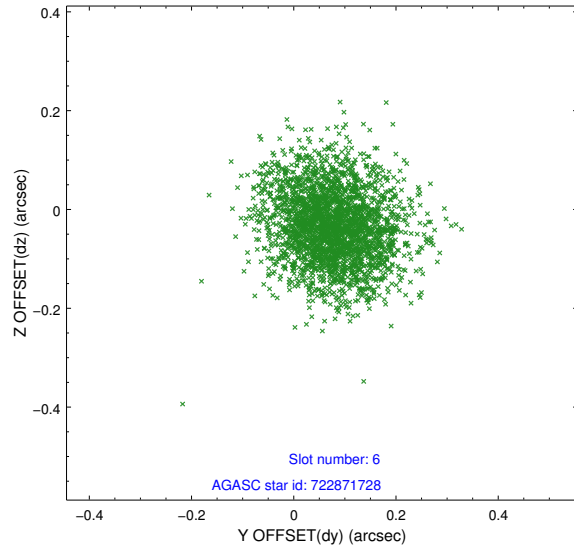
2.4.2 Slot 4



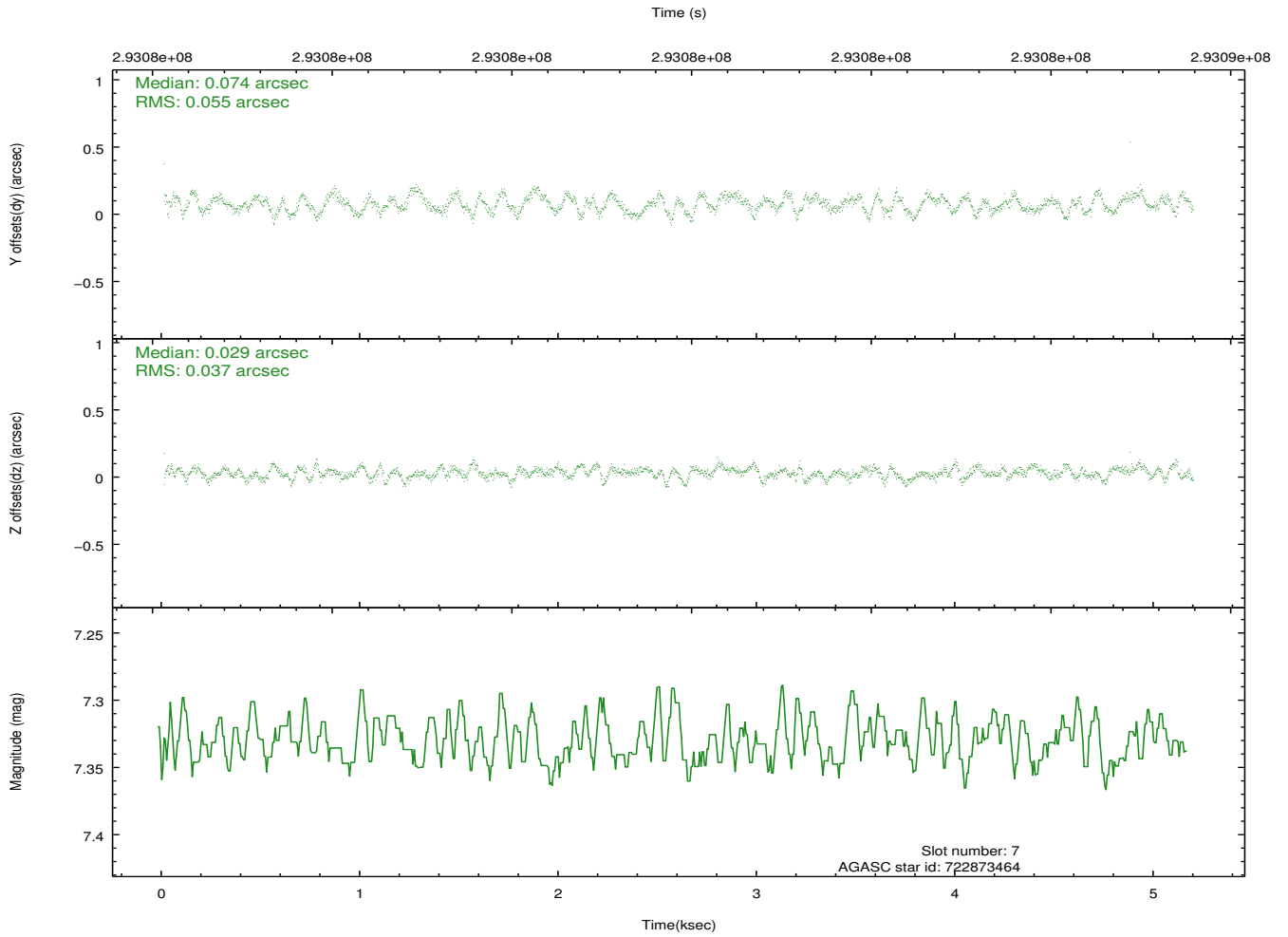
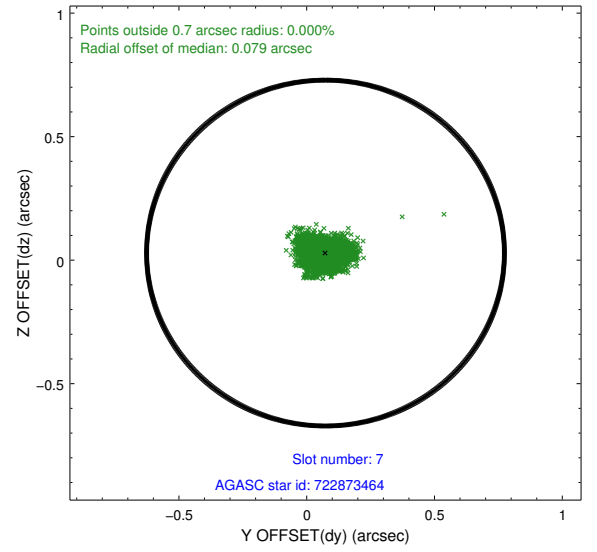
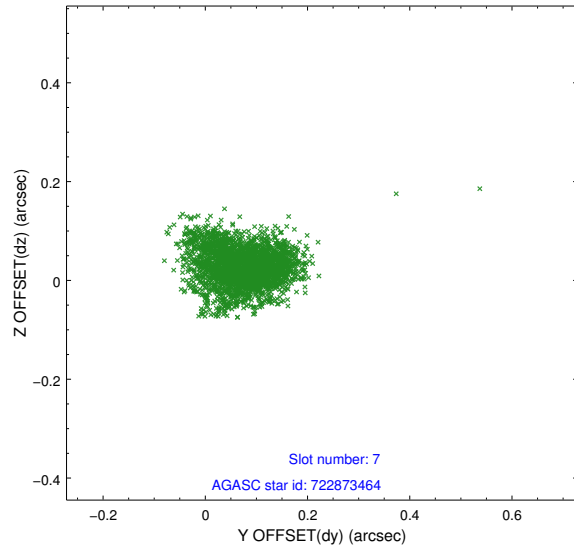
2.4.3 Slot 5



2.4.4 Slot 6

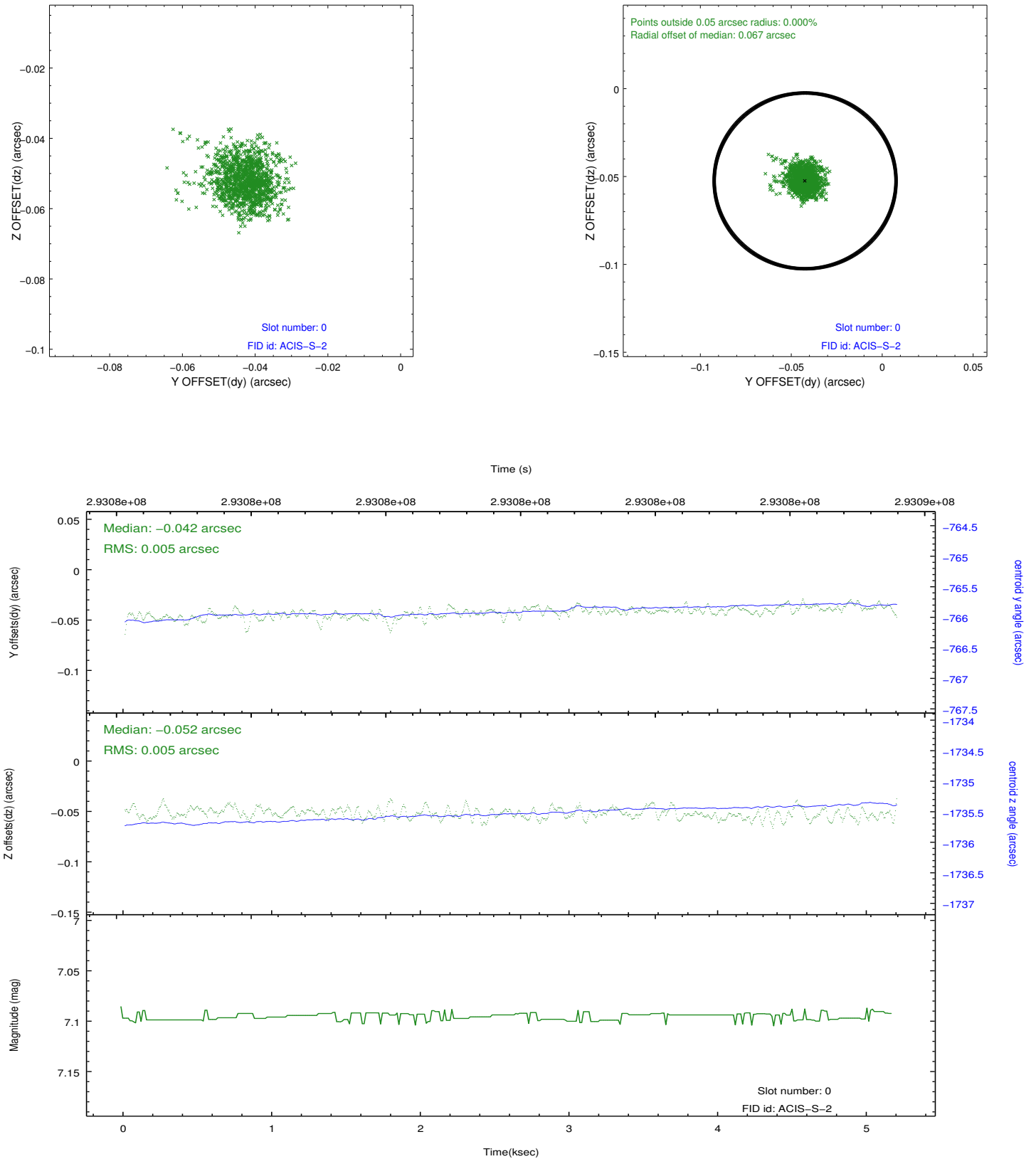


2.4.5 Slot 7

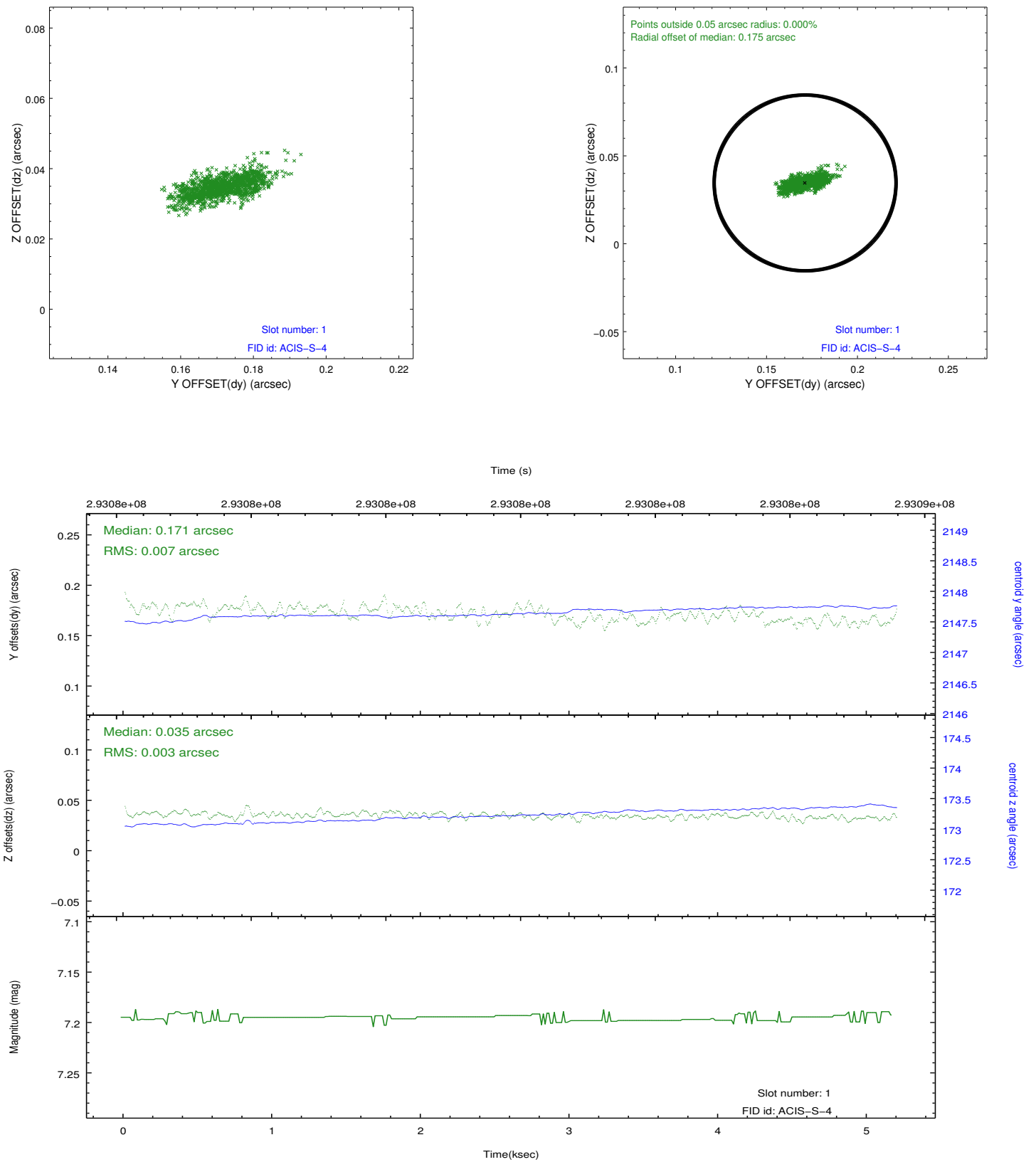


2.5 FID Slots

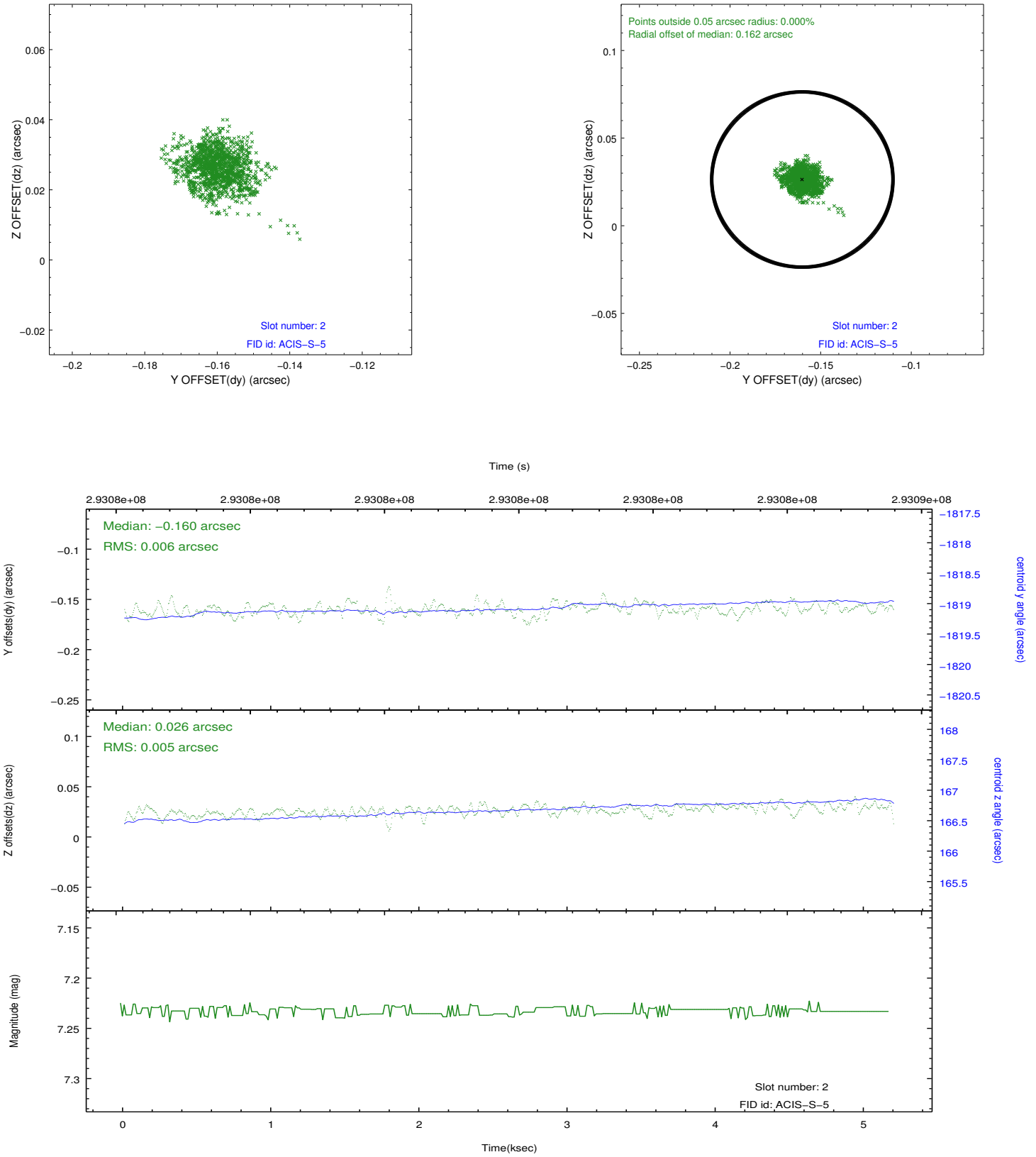
2.5.1 Slot 0



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)	2012.04.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.18959969

A.2 Comments

Joint Proposal: HST