

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 7786 - L2 Version 3
Chandra X-Ray Center

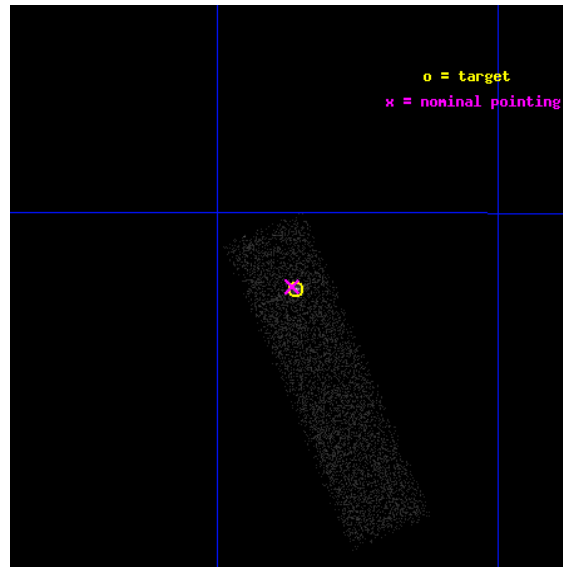
L2 Processing Date : Apr 15 2012

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

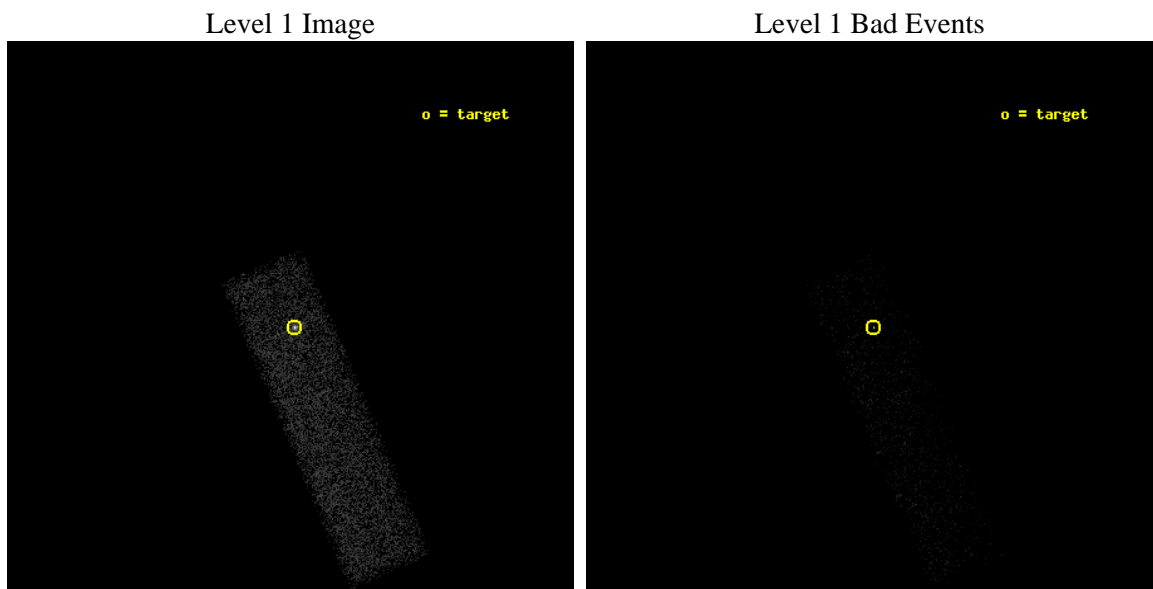
seq_num	701454	Sequence number
obs_id	7786	Observation id
title	Dissecting an Accretion Disk	Proposal title
observer	Prof. Christopher Kochanek	Principal investigator
object	RXJ1131-1231	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	172.965	Observer's specified target RA [deg]
dec_targ	-12.5325	Observer's specified target Dec [deg]
ra_nom	172.96700426286	Nominal RA [deg]
dec_nom	-12.531798677812	Nominal Dec [deg]
roll_nom	66.949707736053	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5139.2000766397	Sum of GTIs [s]
livetime	4888.423929078	Livetime [s]
ontime7	5139.2000766397	Sum of GTIs [s]
l2events	11024	Number of level 2 events



2 OBI

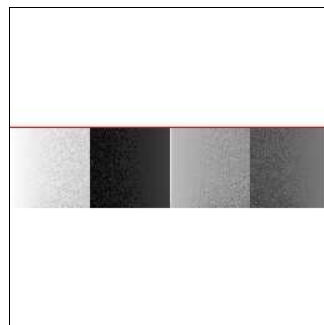
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	3	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	5139.2000766397	Sum of GTIs [s]
caldbver	4.4.9	 	ontime7	5139.2000766397	Sum of GTIs [s]
date	2012-04-15T14:21:14	Date and time of file creation	l1events	21558	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

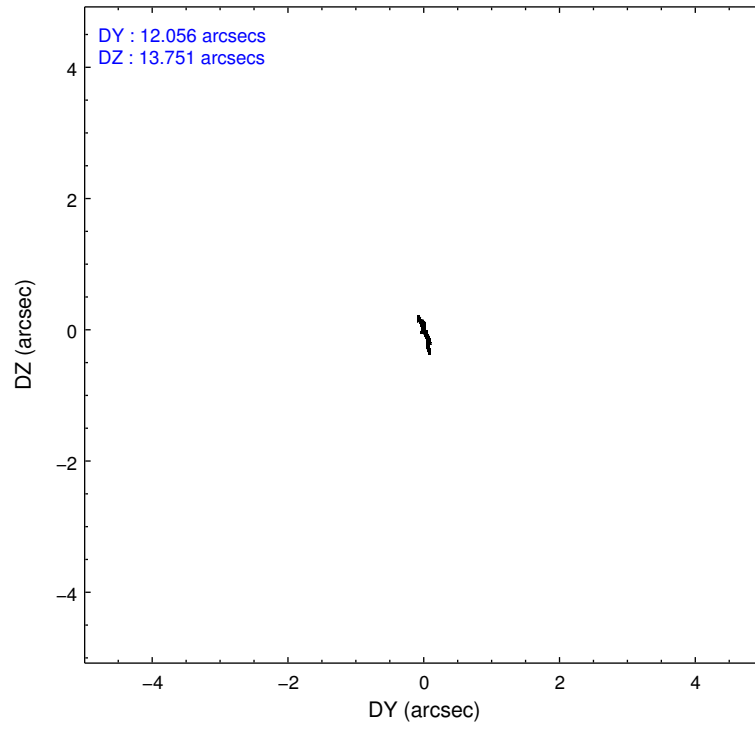
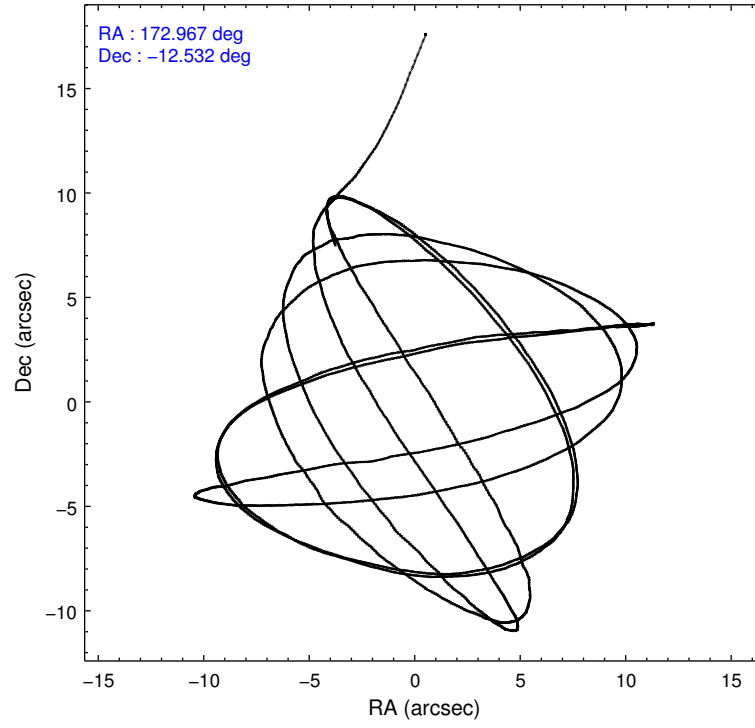
	ccd 7
level 1 events	21558
rejected events	10341
rejected %	47%

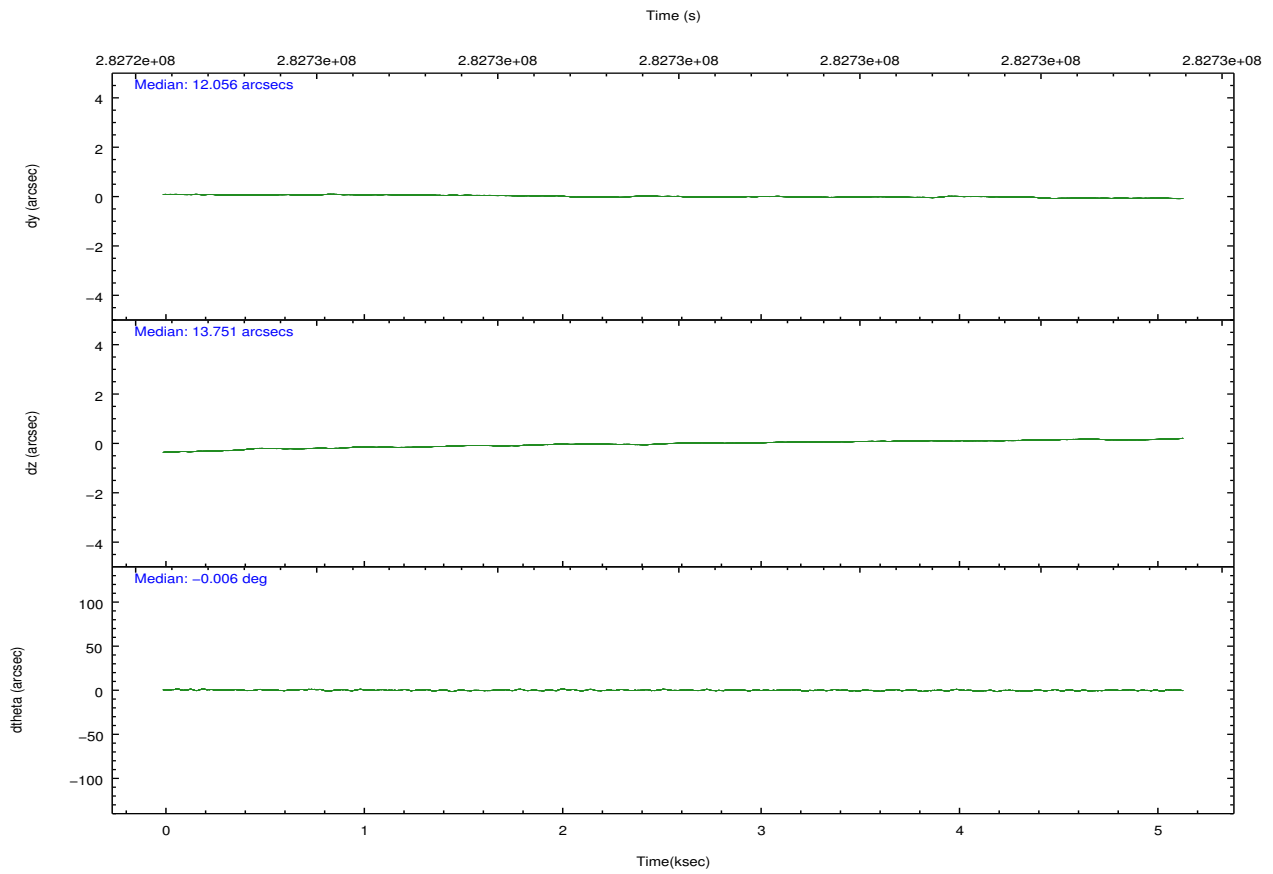
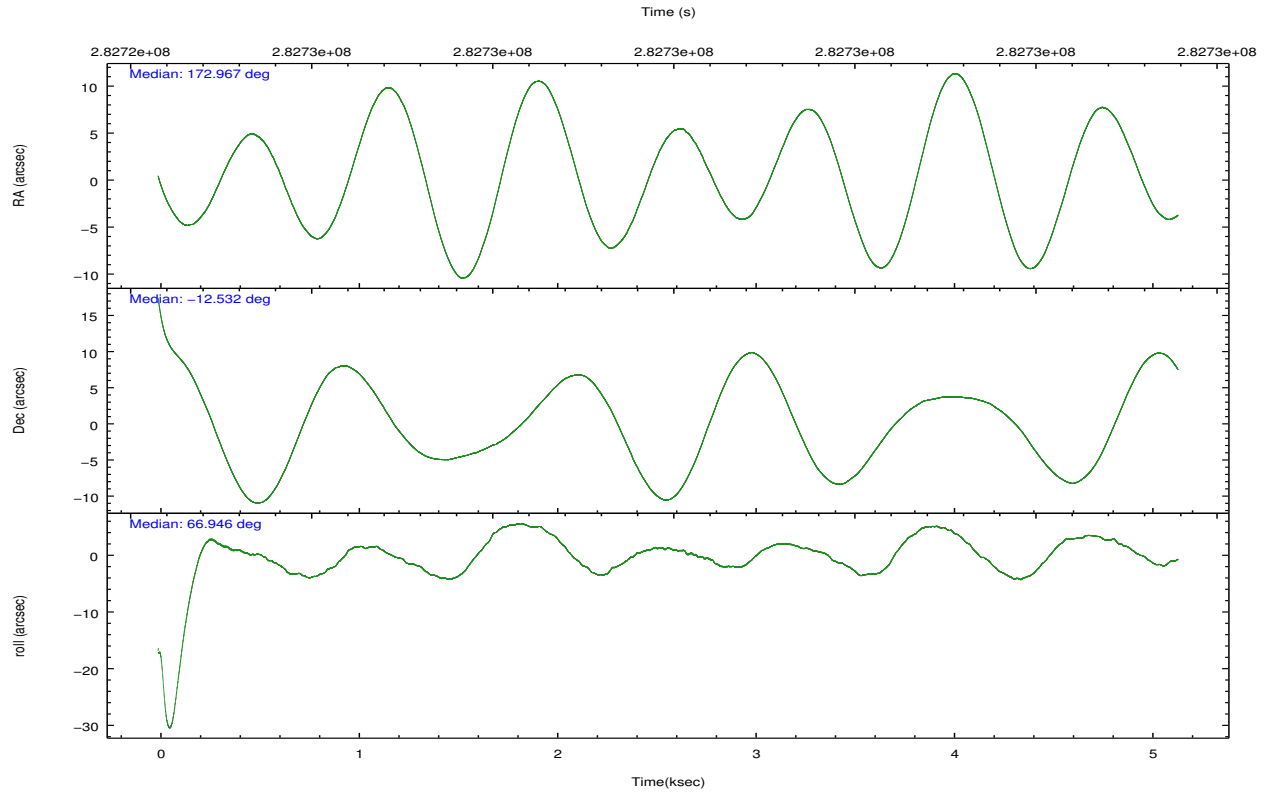
	ccd 7
grade 0 events	2089
	9%
grade 1 events	98
	0%
grade 2 events	2639
	12%
grade 3 events	1370
	6%
grade 4 events	1352
	6%
grade 5 events	1746
	8%
grade 6 events	4861
	22%
grade 7 events	7403
	34%

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	172.970825	172.9670042628561	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	-12.558999	-12.53179867781159	Subarray start row	385	385
[deg] Pointing Roll	66.793949	66.9497077360525	Subarray row count	256	256
[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	0.8
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	282725534.184000	282724530.38235			
Observation start date	2006-12-17T06:51:09	2006-12-17T06:35:30			
[s] Observation end time (MET)	282730534.184000	282731309.22017			
Observation end date	2006-12-17T08:14:29	2006-12-17T08:28:29			
Read mode	TIMED	TIMED			

2.3 Aspect



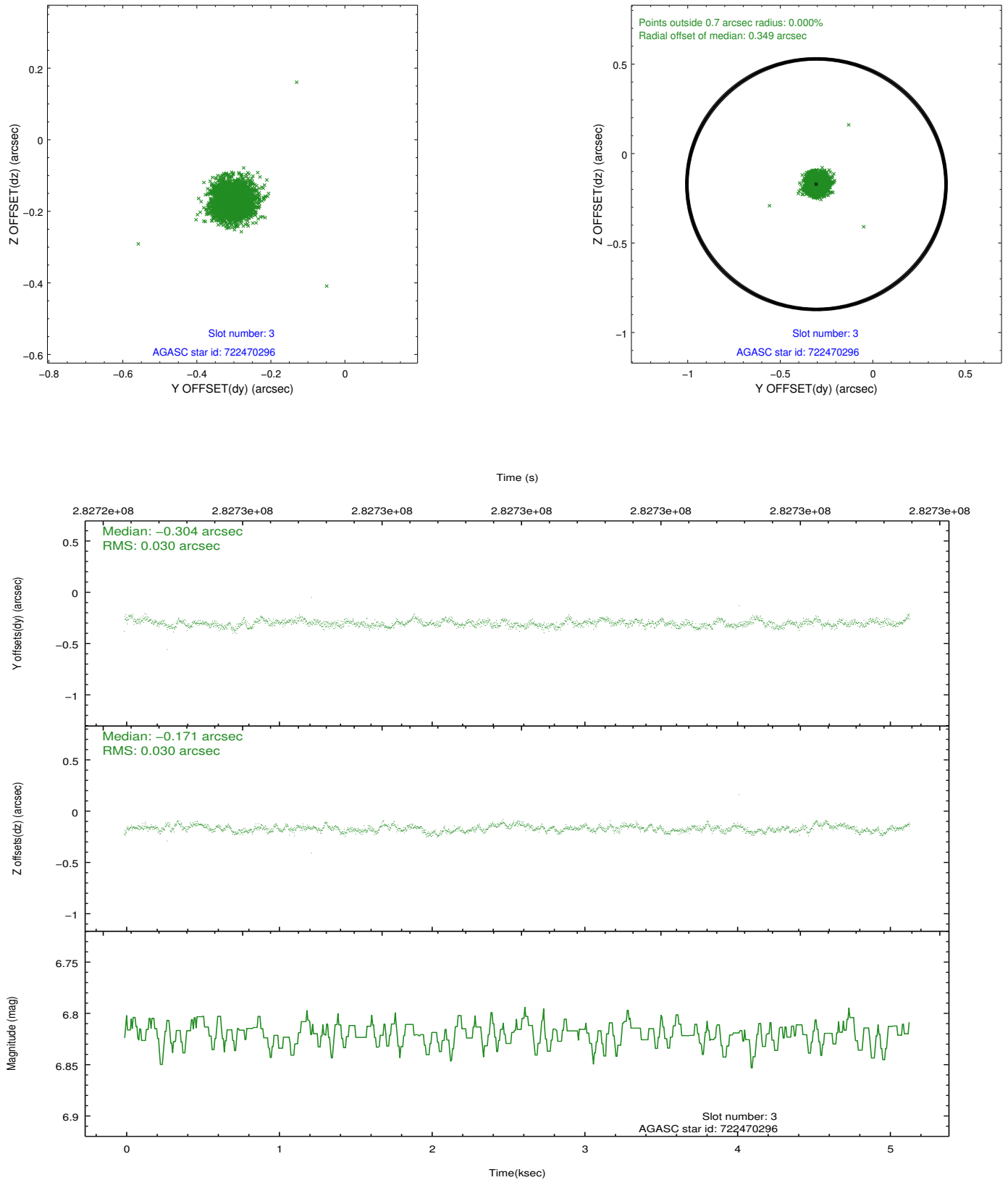


Slot Statistics

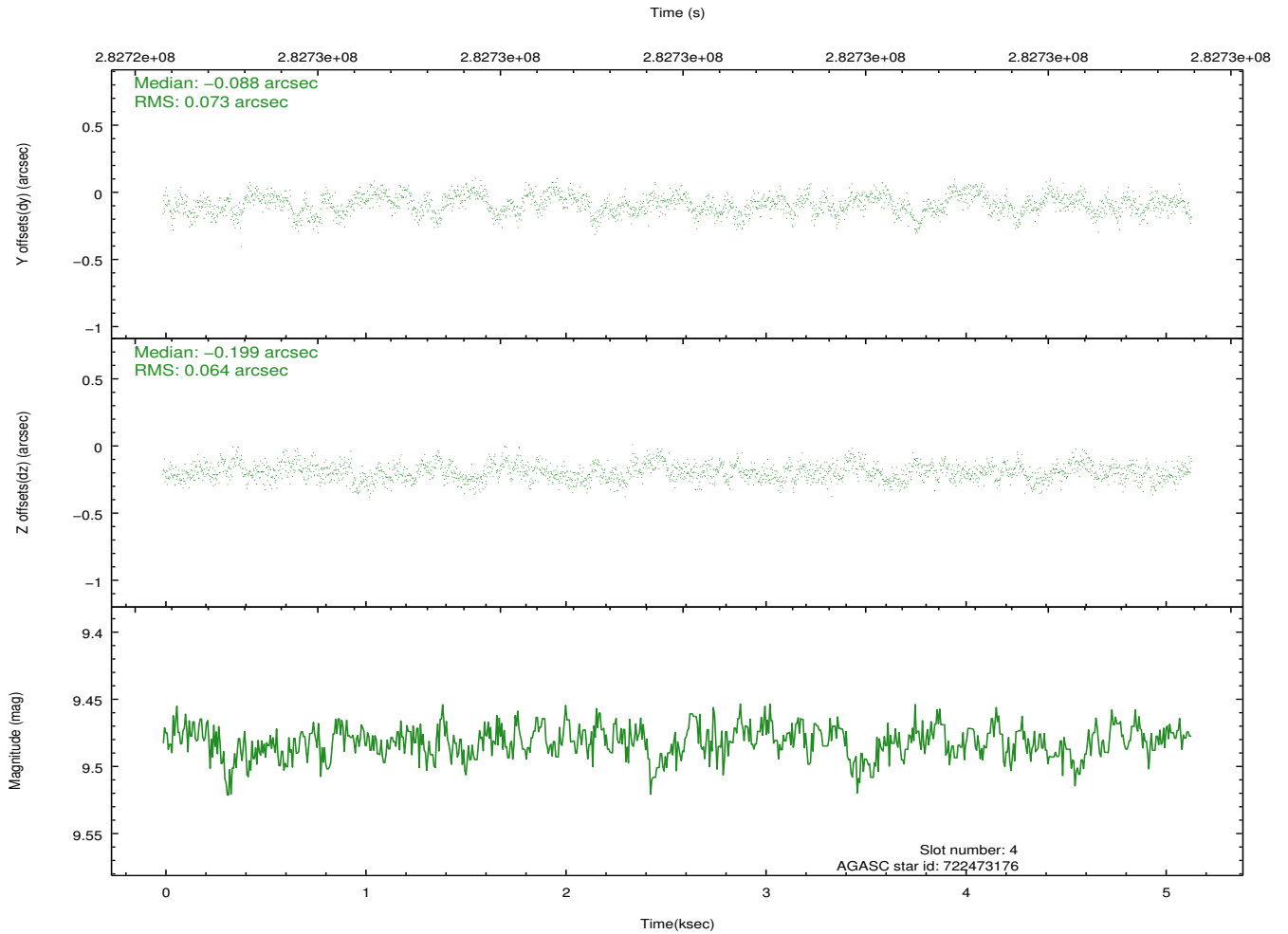
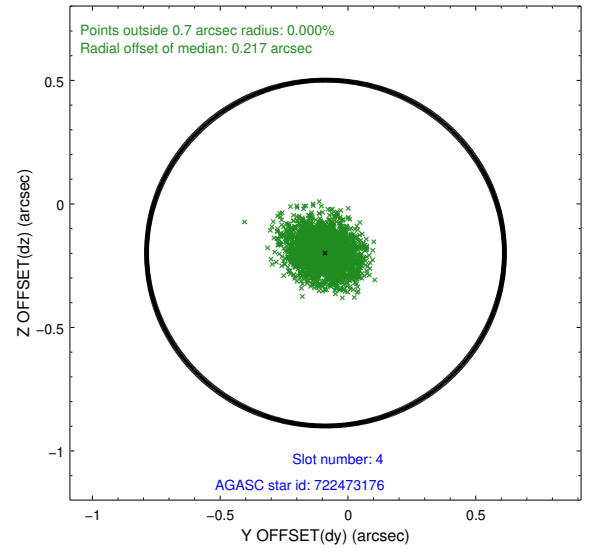
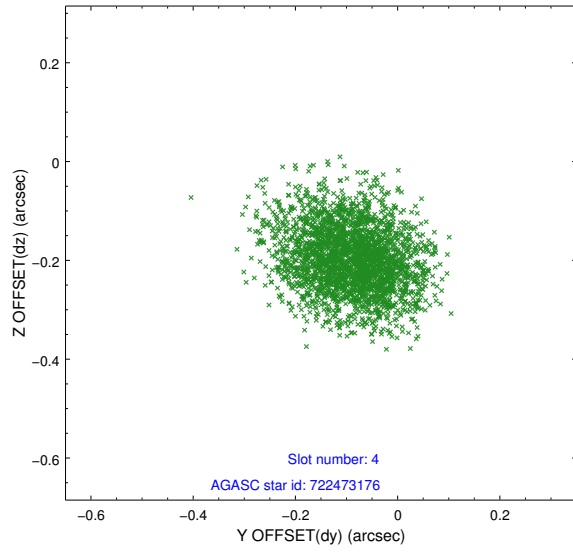
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	1254	0.062	-0.001	0.007	0.013	0.000000	0.000000	931.14	-1730.70
1	FID	ACIS-S-2	7.09	1254	-0.080	-0.014	0.006	0.010	0.000000	0.000000	-764.24	-1736.49
2	FID	ACIS-S-6	7.34	1254	-0.002	0.020	0.006	0.011	0.000000	0.000000	396.20	809.44
3	GUIDE	722470296	6.82	2509	-0.304	-0.171	0.044	0.071	172.921689	-12.381367	519.17	410.79
4	GUIDE	722473176	9.48	2509	-0.088	-0.199	0.104	0.165	172.599746	-12.066793	1112.72	1898.68
5	GUIDE	722871728	9.67	2505	0.075	0.170	0.109	0.176	173.202235	-12.568355	289.52	-759.71
6	GUIDE	722873464	7.30	2509	0.135	-0.133	0.062	0.098	172.661543	-13.050266	-2053.63	298.86
7	GUIDE	722871056	10.15	2499	0.185	0.327	0.149	0.237	173.303298	-13.373686	-2238.14	-2226.04

2.4 Star Slots

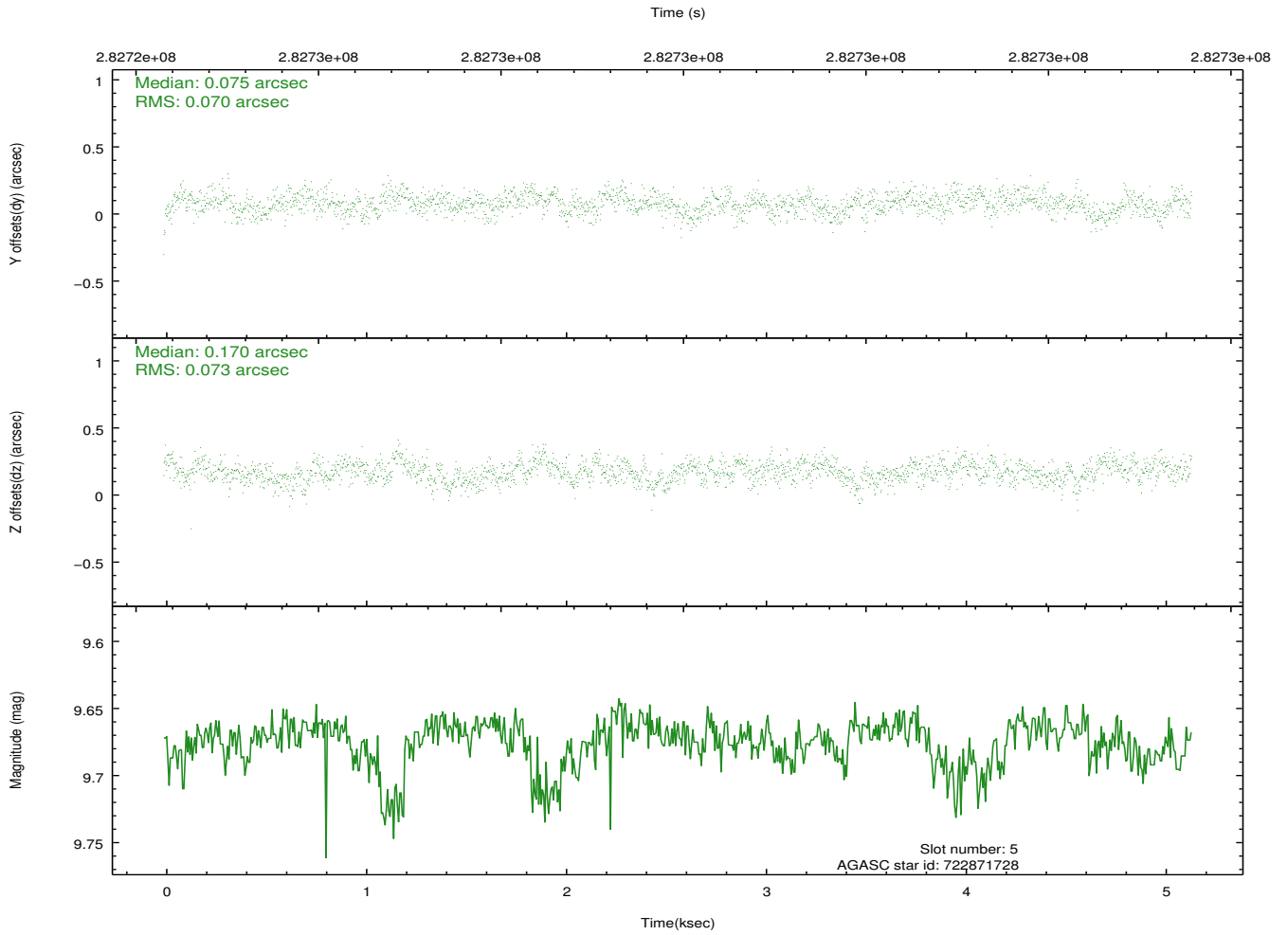
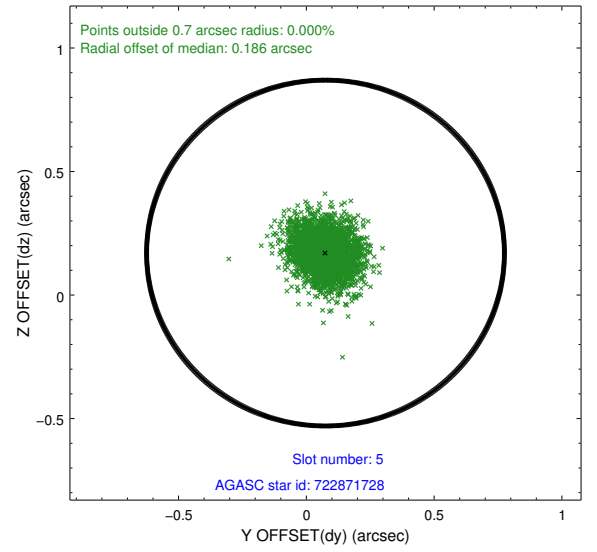
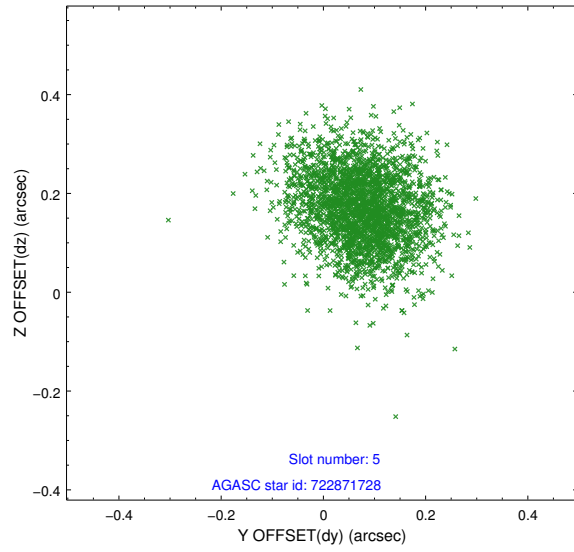
2.4.1 Slot 3



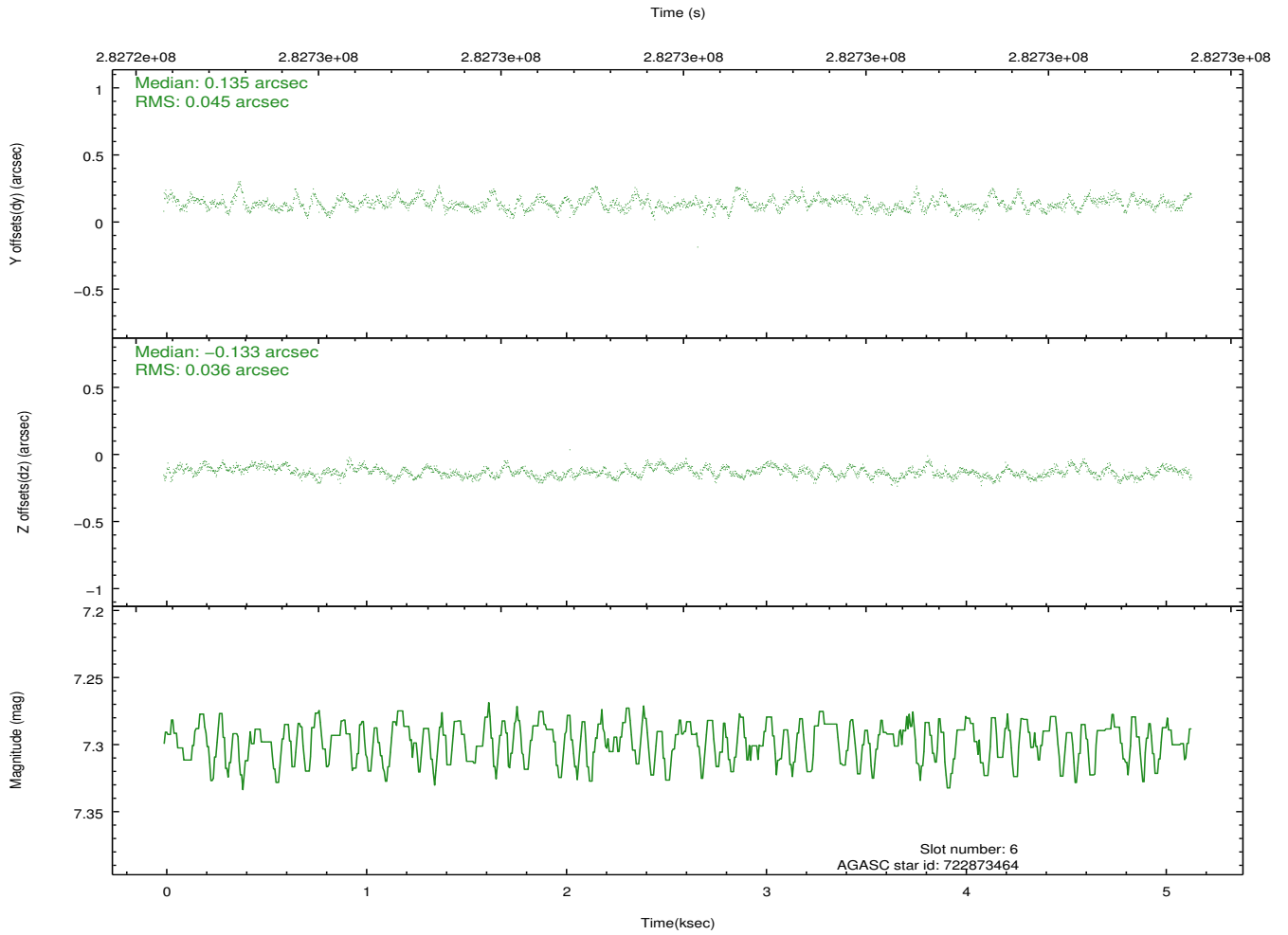
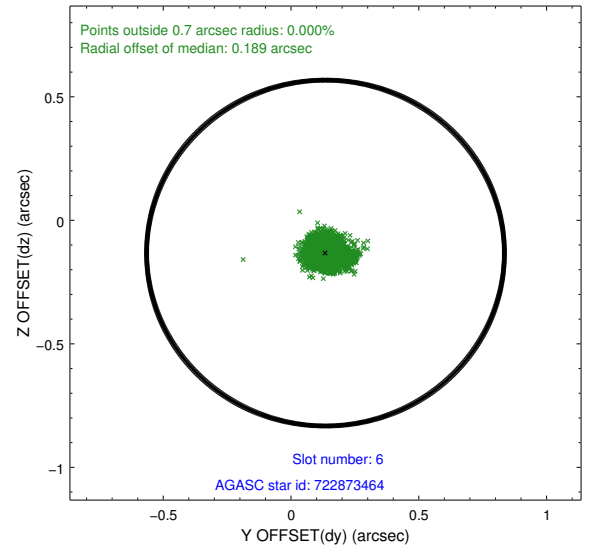
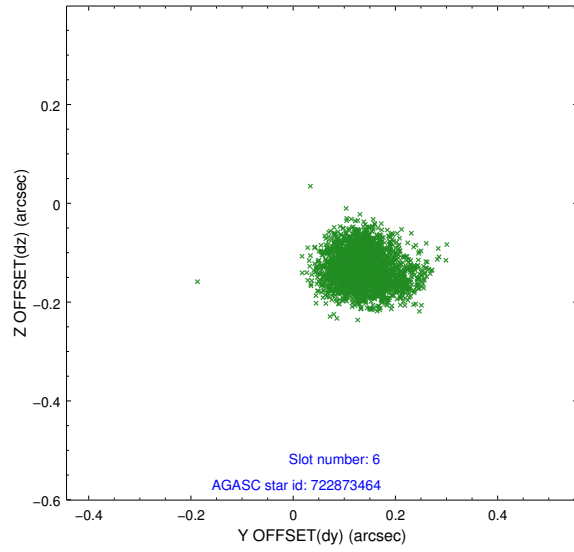
2.4.2 Slot 4



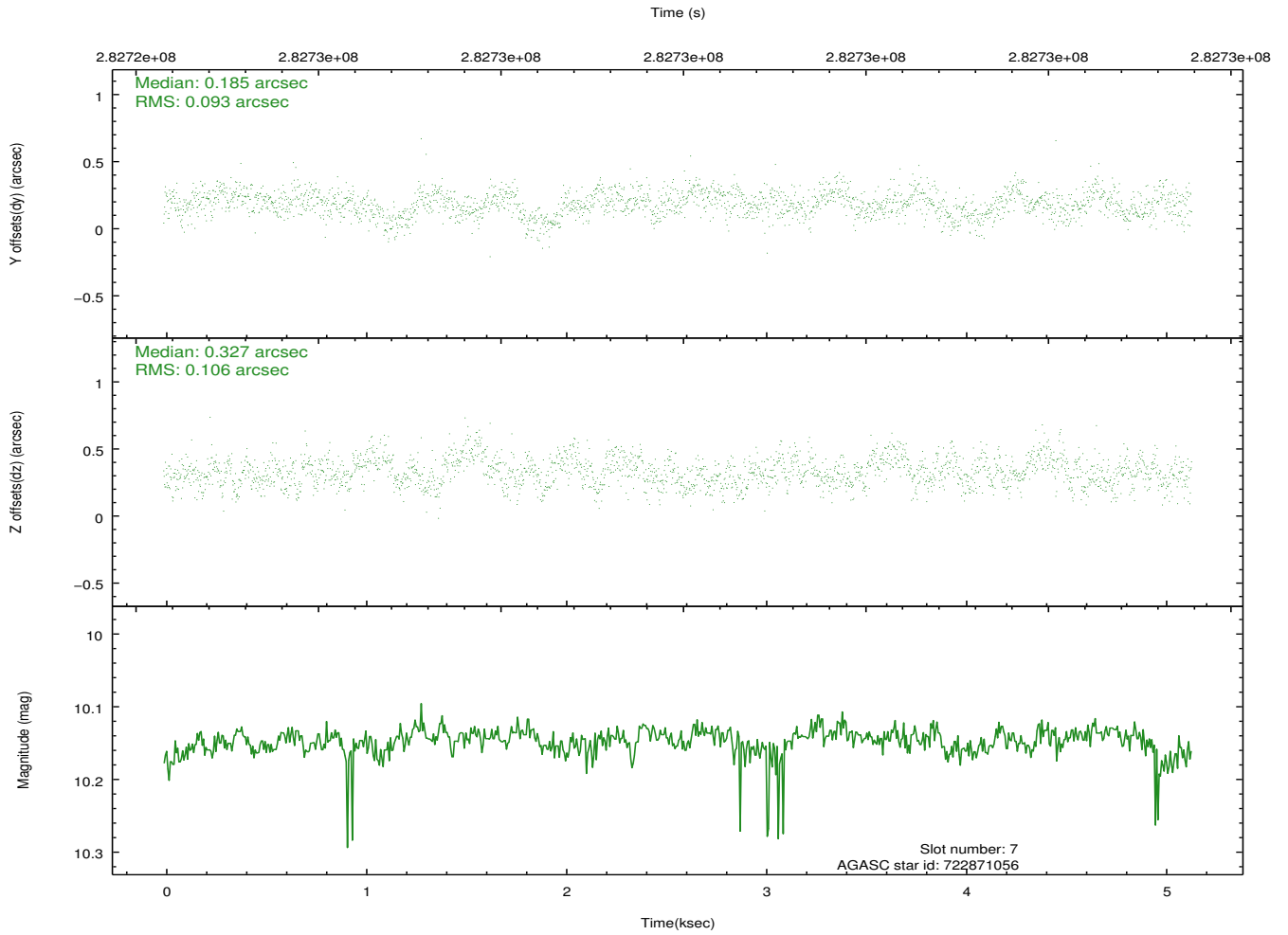
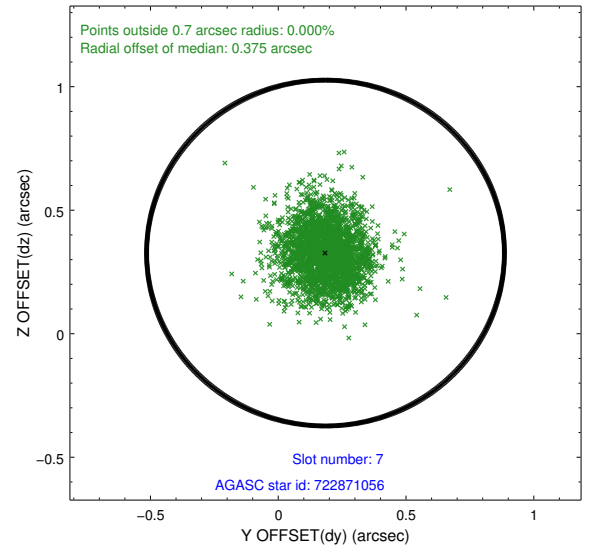
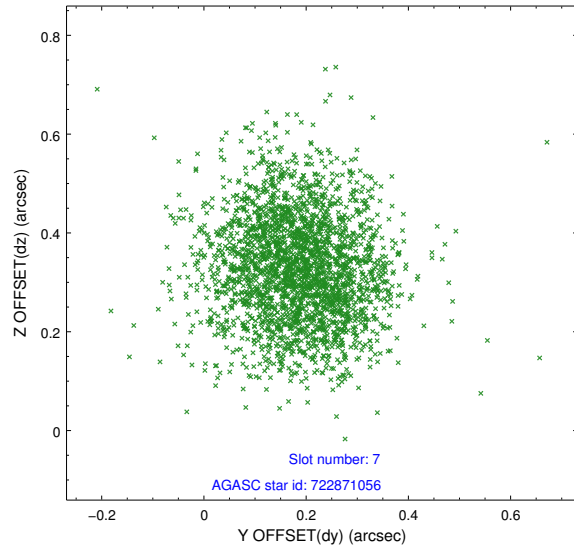
2.4.3 Slot 5



2.4.4 Slot 6

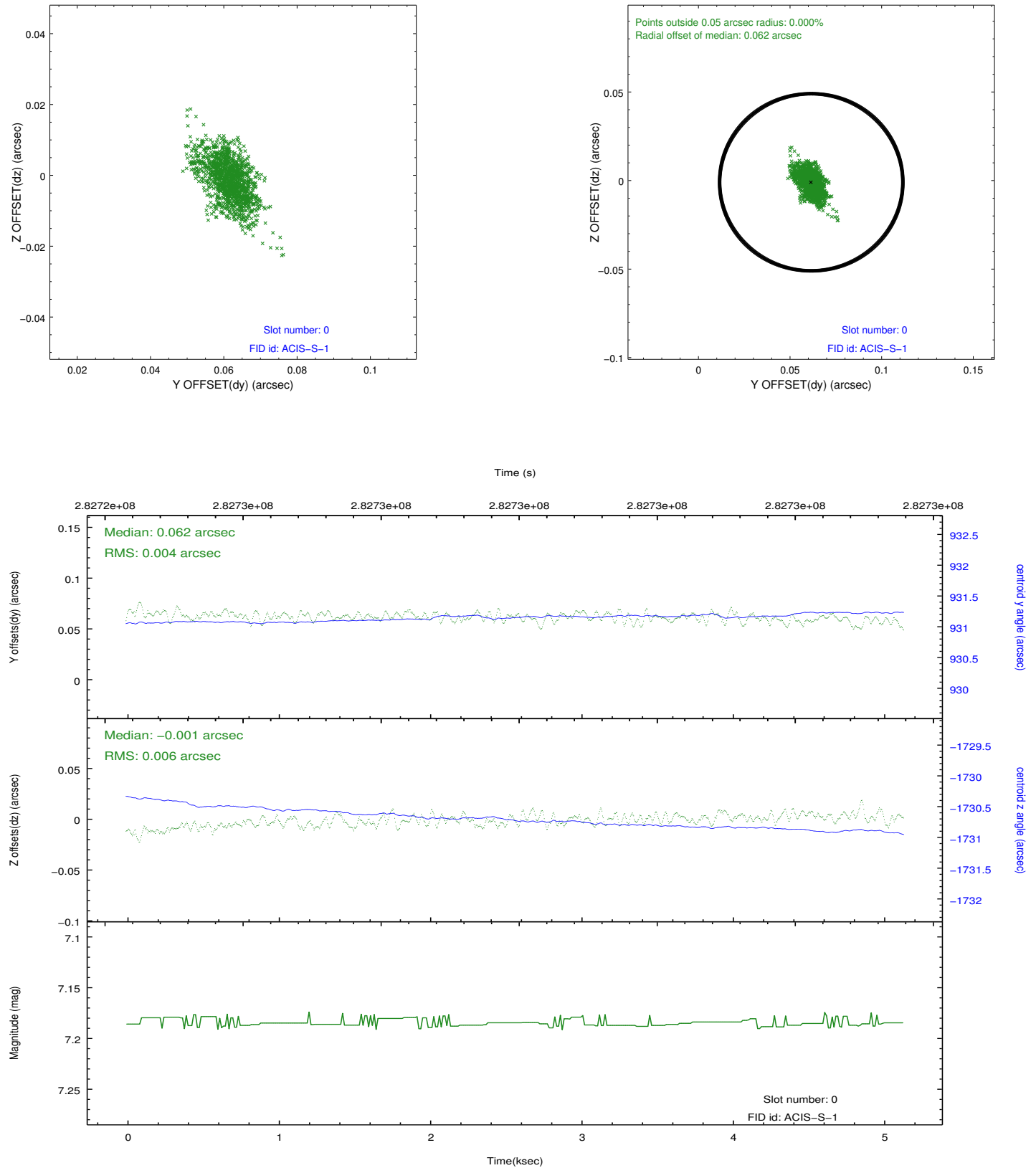


2.4.5 Slot 7

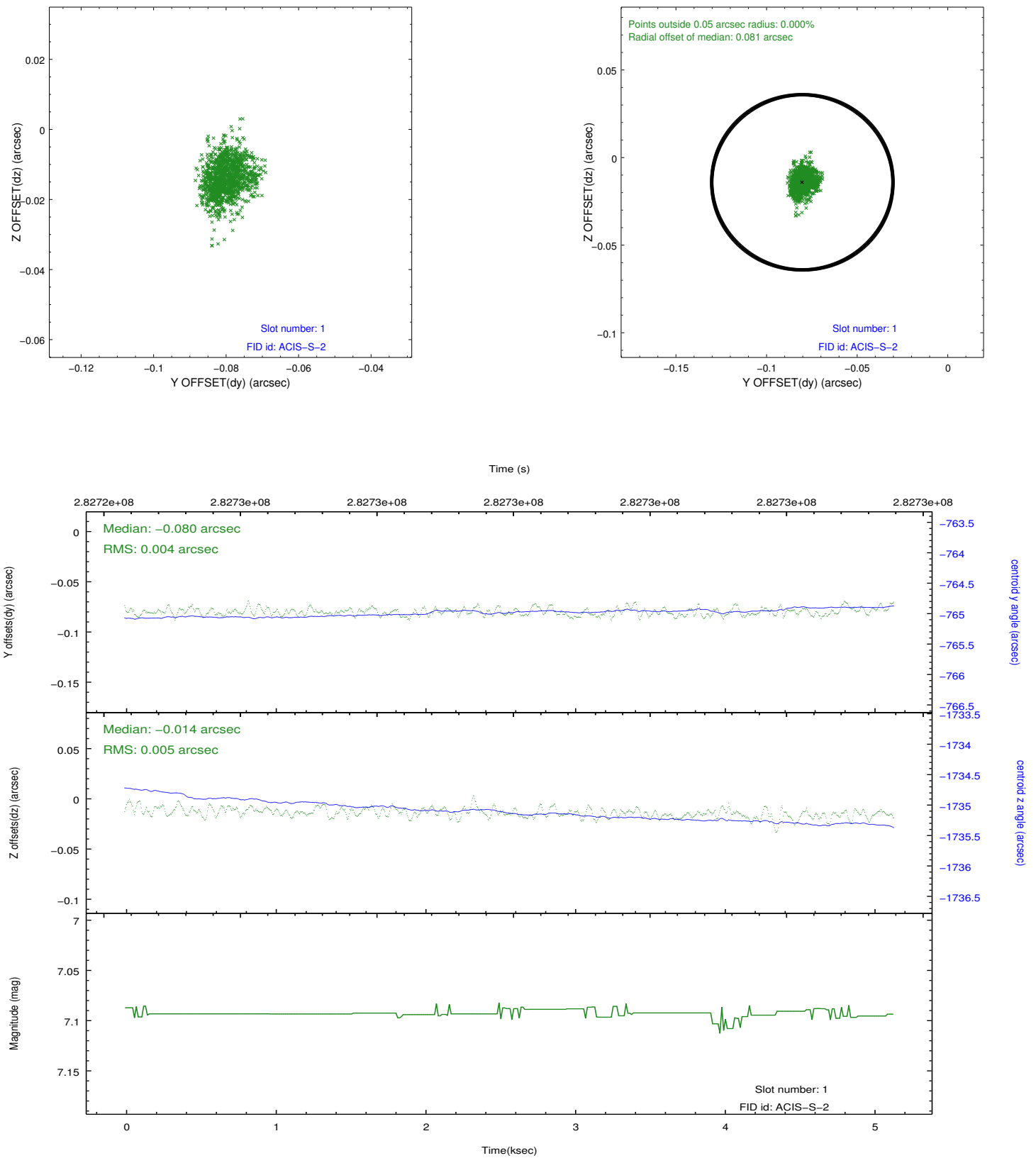


2.5 FID Slots

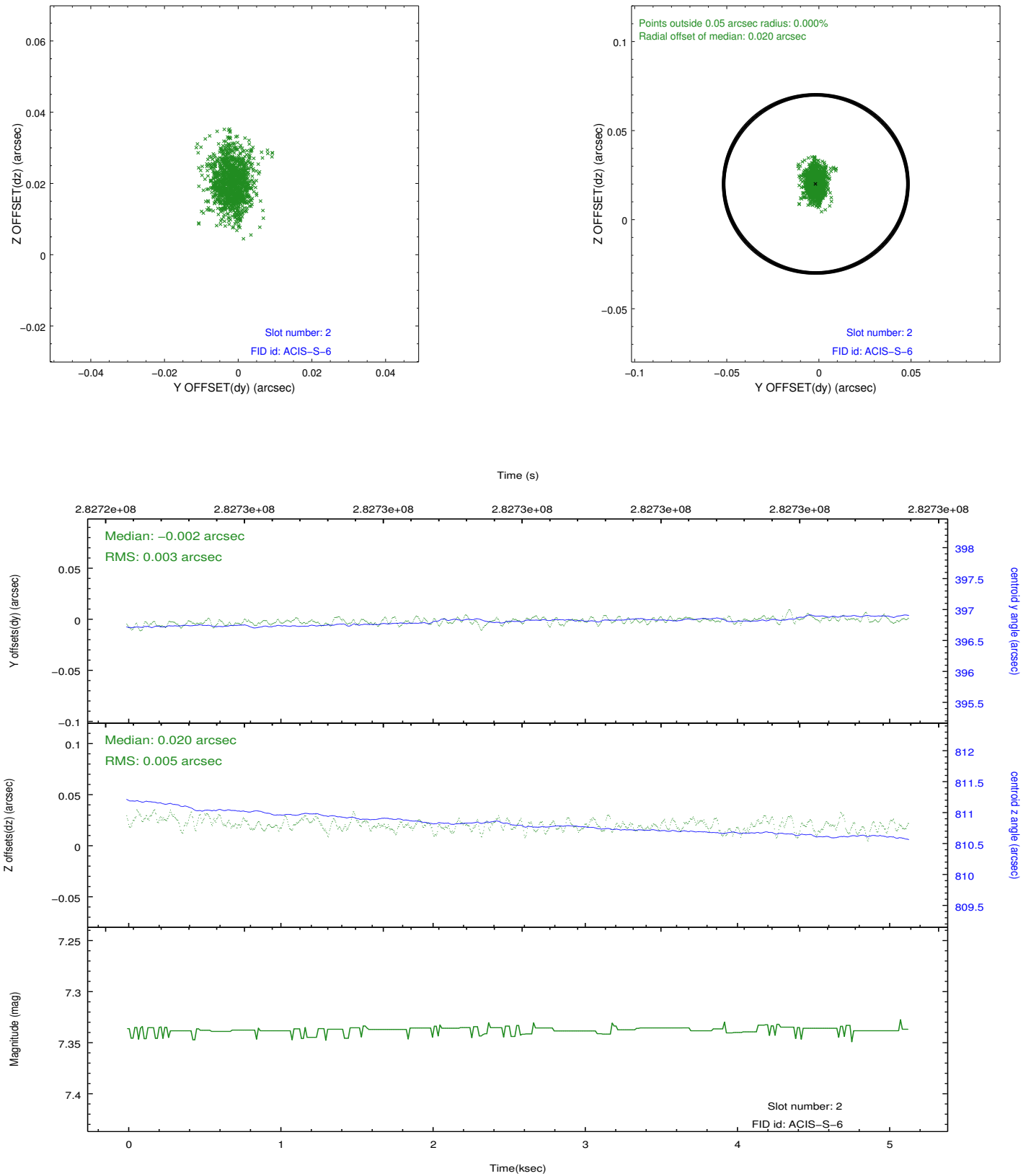
2.5.1 Slot 0



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)	2012.04.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.13920007

A.2 Comments