

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 12453 - L2 Version 2
Chandra X-Ray Center

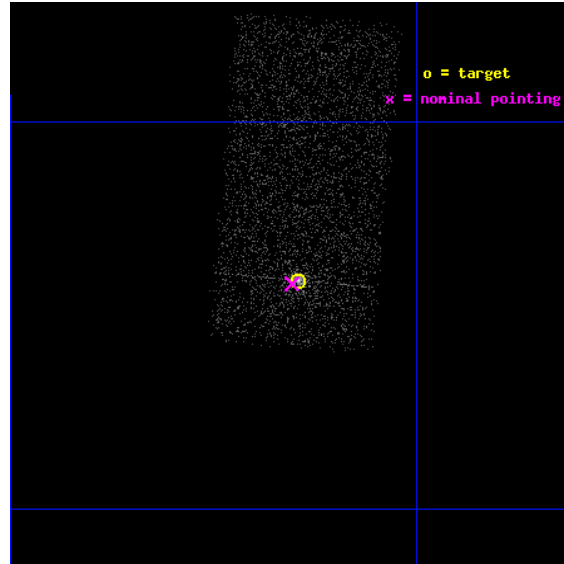
L2 Processing Date : Feb 20 2012

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

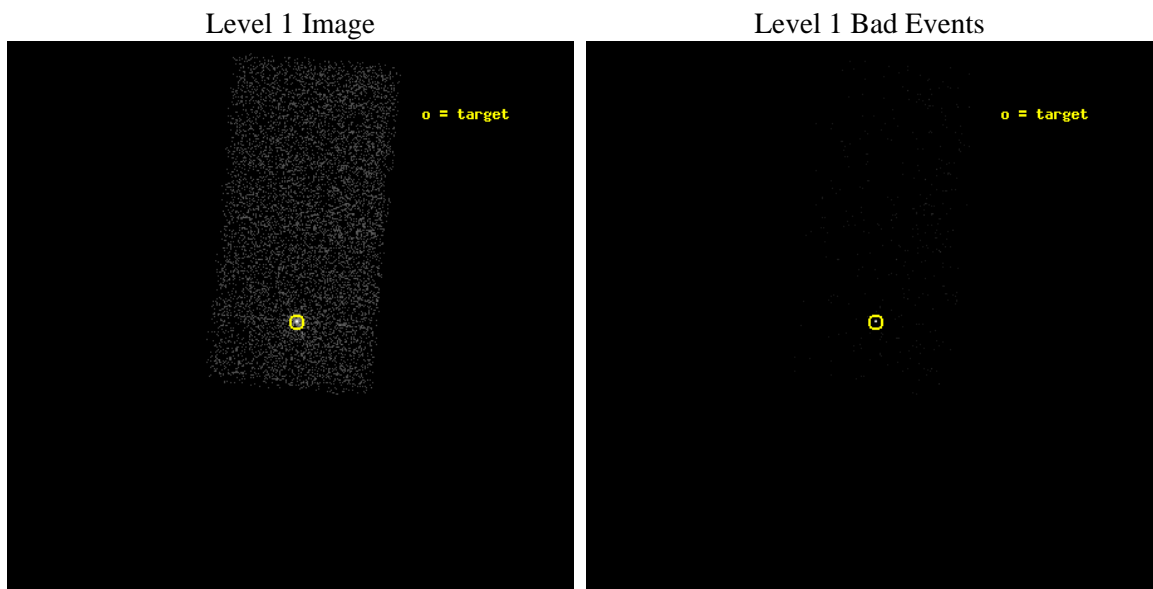
seq_num	401194	Sequence number
obs_id	12453	Observation id
title	Transient LMXBs in Globular Clusters: More Numerous than We Thought?	
observer	David Pooley	Principal investigator
object	NGC 6388	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	264.072917	Observer's specified target RA [deg]
dec_targ	-44.735306	Observer's specified target Dec [deg]
ra_nom	264.07656980723	Nominal RA [deg]
dec_nom	-44.736565945379	Nominal Dec [deg]
roll_nom	275.13475386163	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2548.5	Sum of GTIs [s]
livetime	2480.62996418	Livetime [s]
ontime7	2548.5	Sum of GTIs [s]
l2events	6054	Number of level 2 events



2 OBI

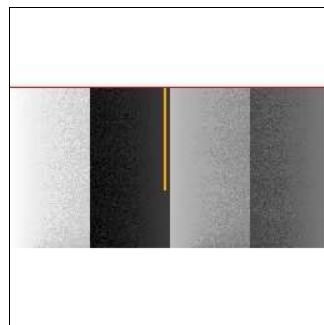
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	2548.5	Sum of GTIs [s]
caldsver	4.4.8	 	ontime7	2548.5	Sum of GTIs [s]
date	2012-02-20T23:45:19	Date and time of file creation	l1events	11094	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

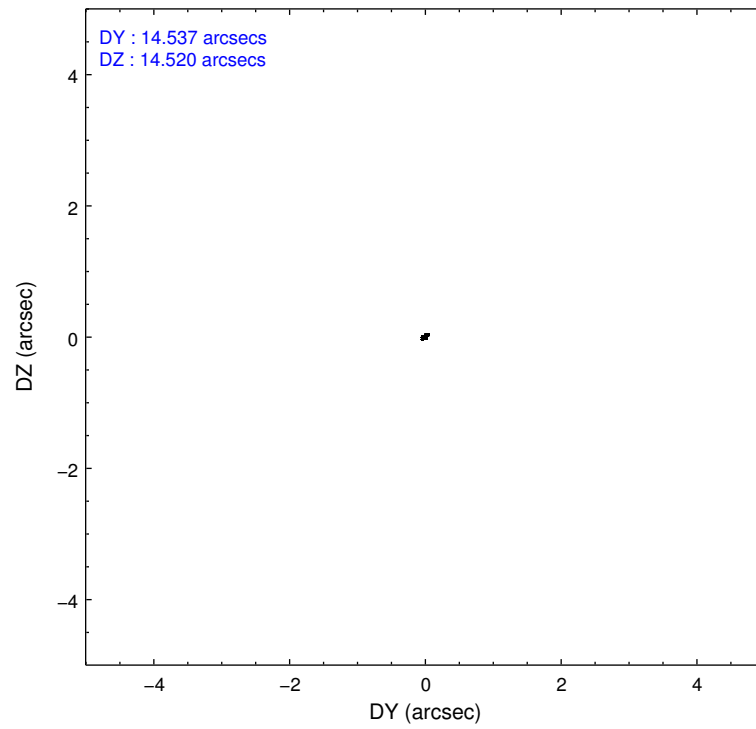
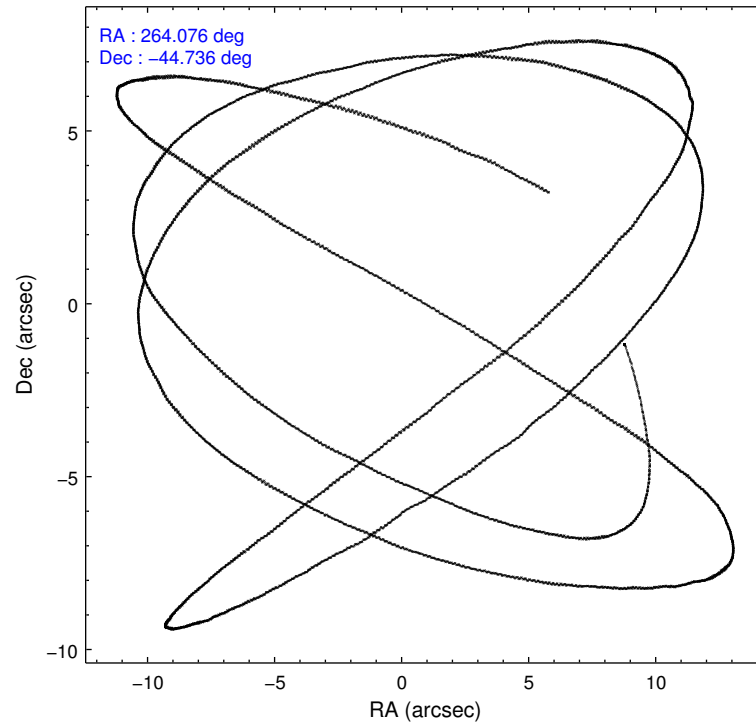
	ccd 7
level 1 events	11094
rejected events	4881
rejected %	43%

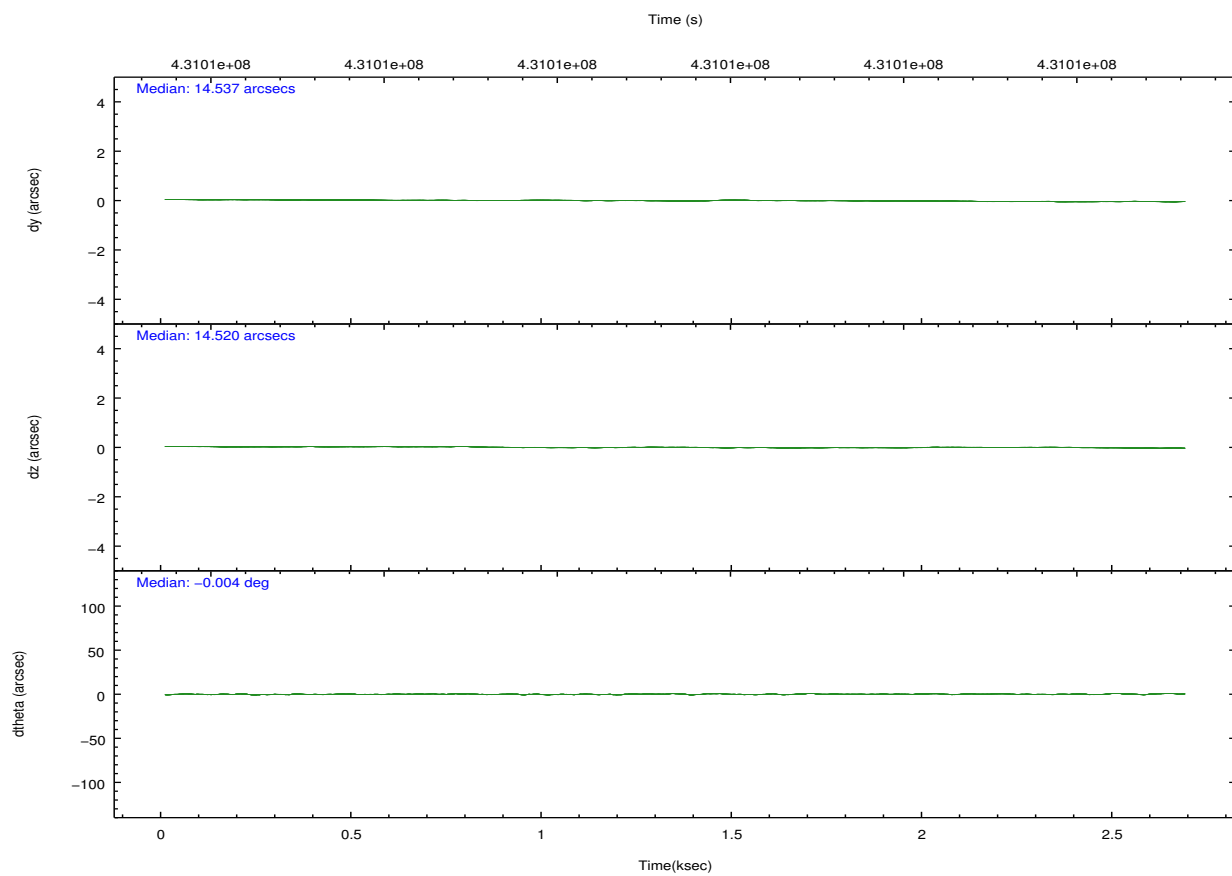
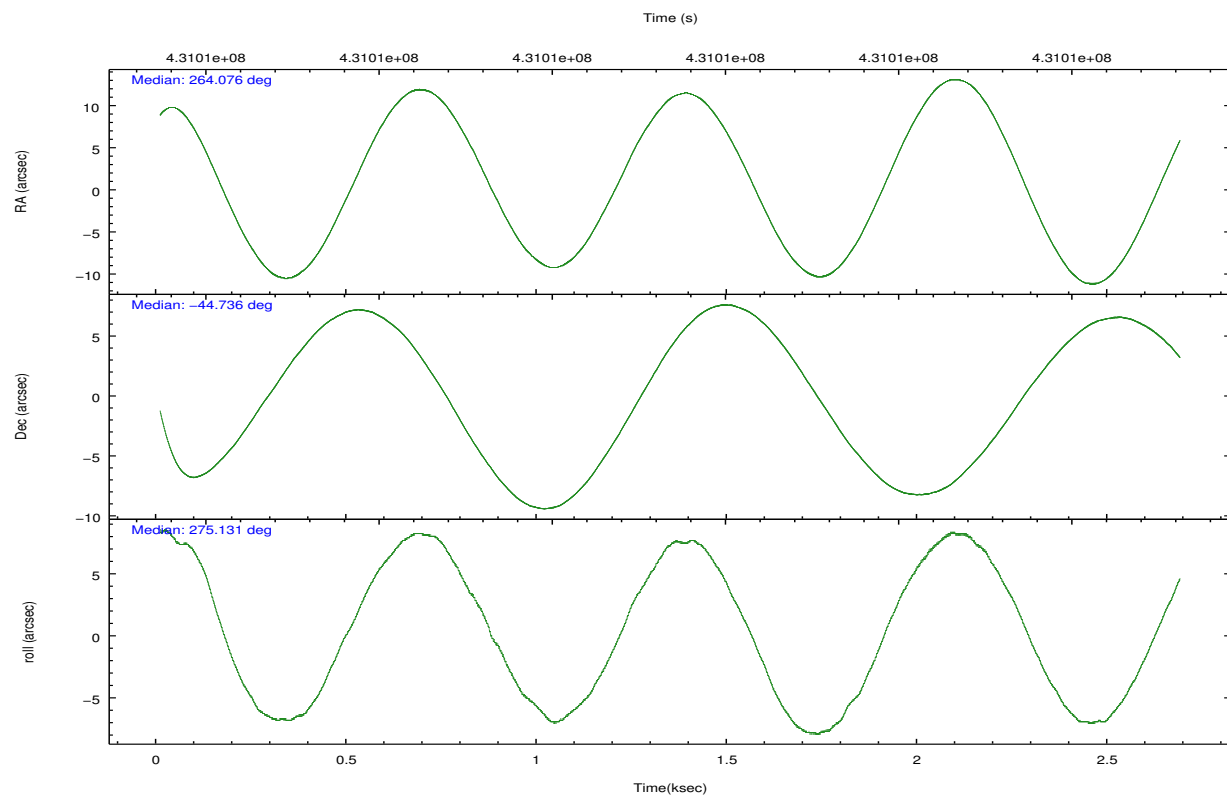
	ccd 7
grade 0 events	833
	7%
grade 1 events	43
	0%
grade 2 events	1368
	12%
grade 3 events	628
	5%
grade 4 events	652
	5%
grade 5 events	1107
	9%
grade 6 events	2735
	24%
grade 7 events	3728
	33%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	264.054134	264.0765698072319	Subarray requested	CUSTOM	1/2
[deg] Pointing Dec	-44.714553	-44.73656594537907	Subarray start row	257	257
[deg] Pointing Roll	274.962337	275.1347538616319	Subarray row count	512	512
[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	1.5
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	431010688.184000	431009588.74286			
Observation start date	2011-08-29T13:10:22	2011-08-29T12:53:08			
[s] Observation end time (MET)	431013188.184000	431013599.56807			
Observation end date	2011-08-29T13:52:02	2011-08-29T13:59:59			
Read mode	TIMED	TIMED			

2.3 Aspect



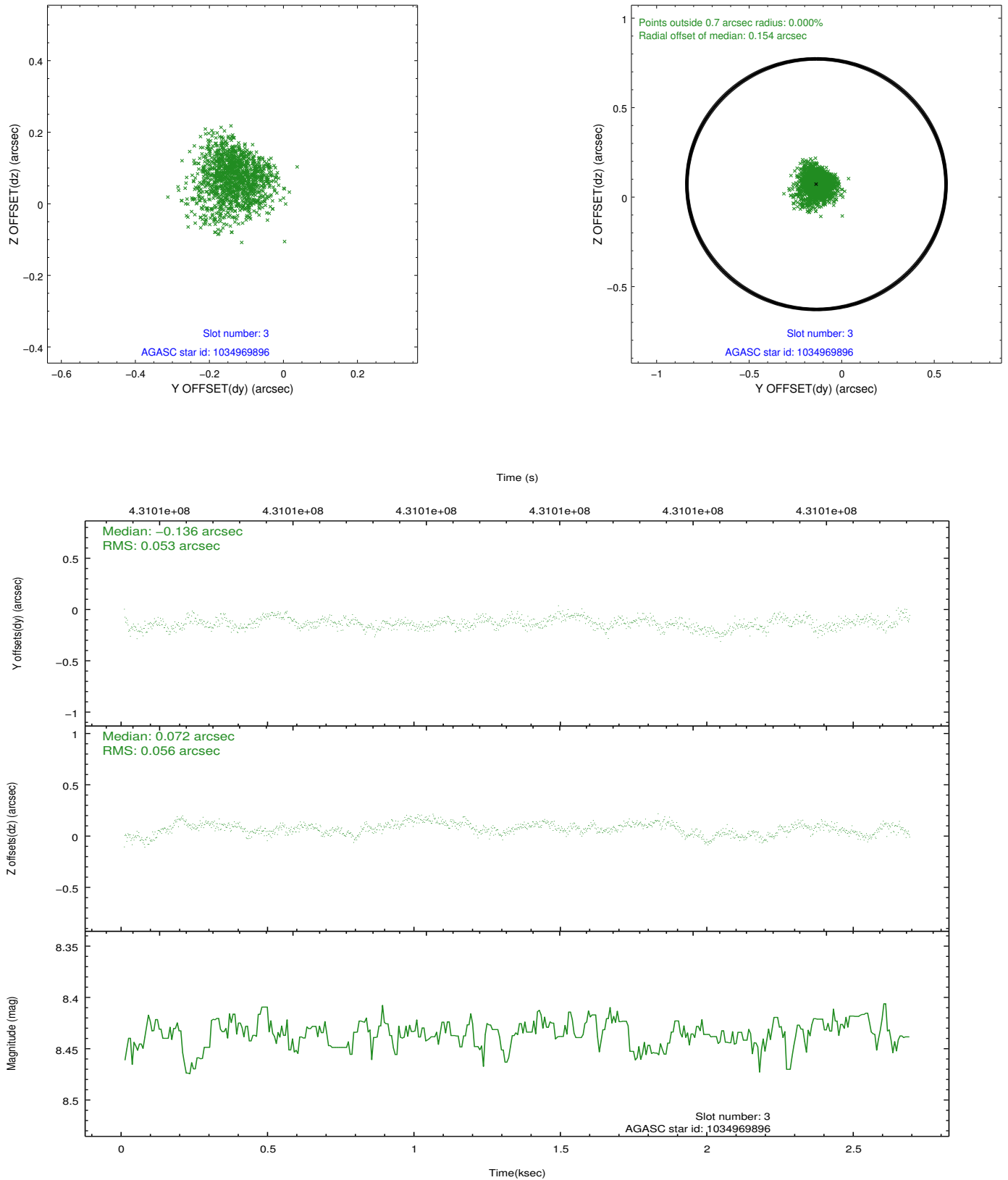


Slot Statistics

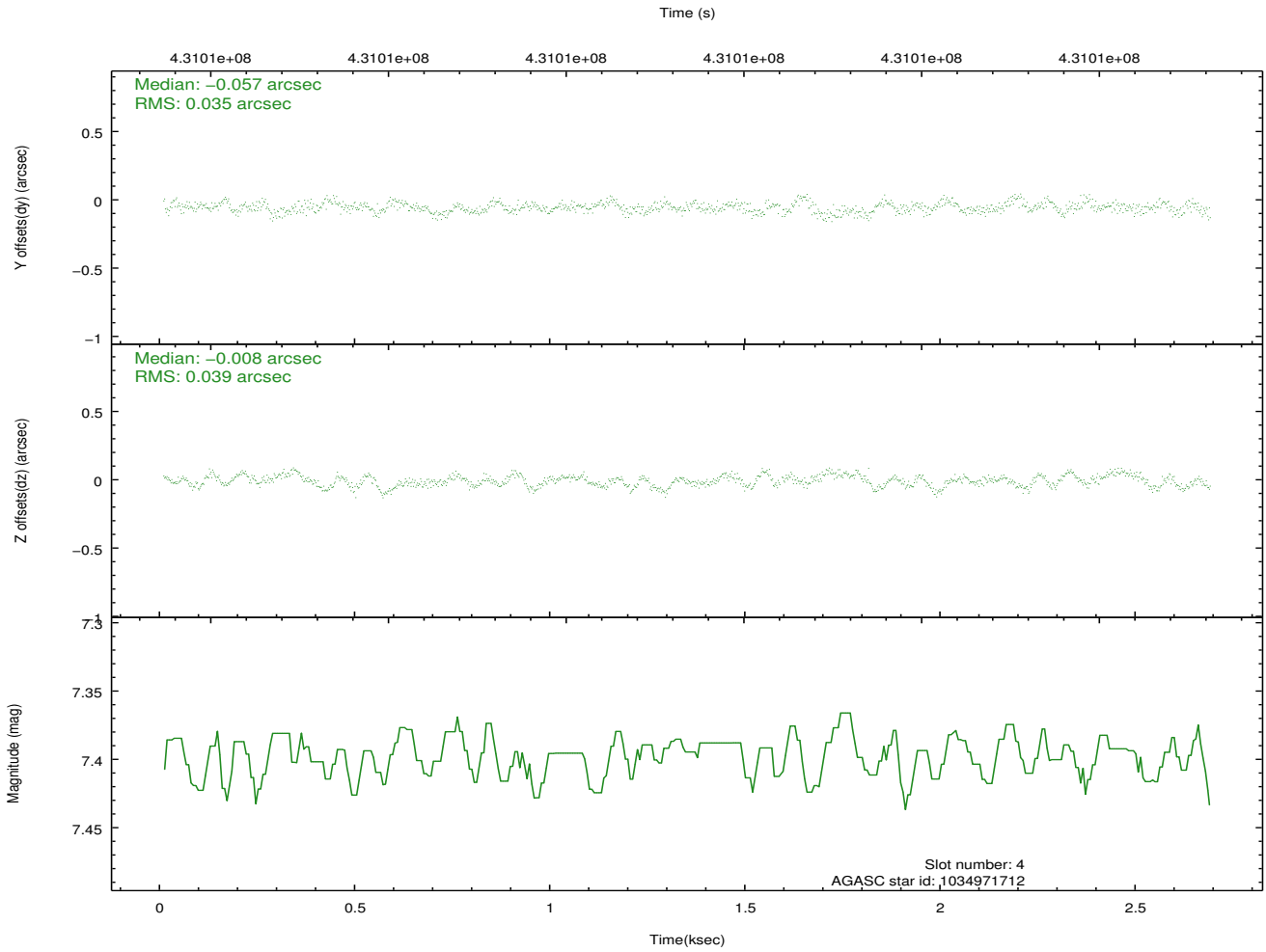
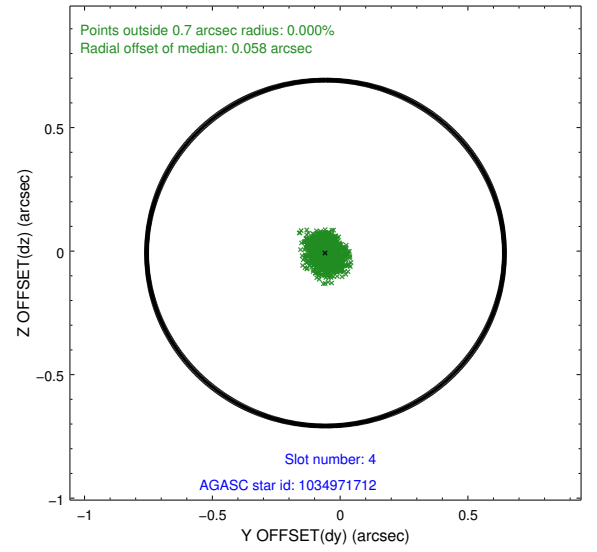
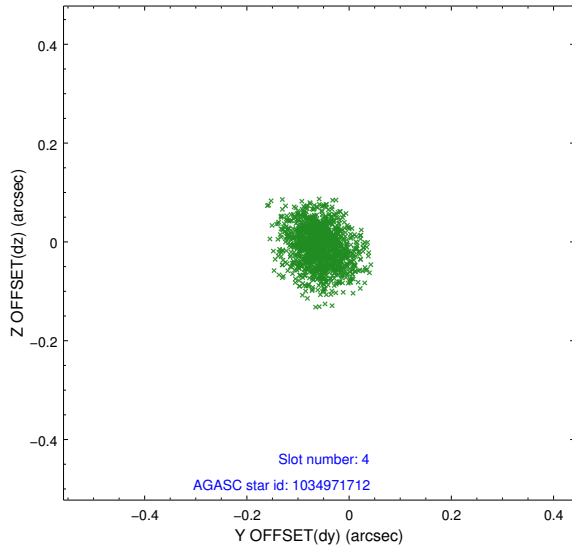
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.96	654	-0.115	-0.058	0.007	0.011	0.000000	0.000000	-767.61	-1735.94
1	FID	ACIS-S-4	7.05	654	0.297	0.071	0.006	0.011	0.000000	0.000000	2144.98	170.16
2	FID	ACIS-S-5	7.08	654	-0.214	-0.004	0.007	0.011	0.000000	0.000000	-1817.47	166.51
3	GUIDE	1034969896	8.44	1308	-0.136	0.072	0.082	0.131	264.368052	-44.156210	-1930.12	982.15
4	GUIDE	1034971712	7.40	1307	-0.057	-0.008	0.057	0.090	264.626982	-44.875616	708.30	1406.53
5	GUIDE	1093451856	7.45	1309	0.192	-0.147	0.072	0.138	263.544084	-45.006370	939.93	-1383.17
6	GUIDE	1093547688	8.15	1309	0.041	0.051	0.073	0.120	264.990500	-45.139326	1744.57	2234.76
7	GUIDE	1034969032	9.39	1307	-0.048	0.037	0.137	0.221	263.118945	-44.200084	-2038.09	-2243.53

2.4 Star Slots

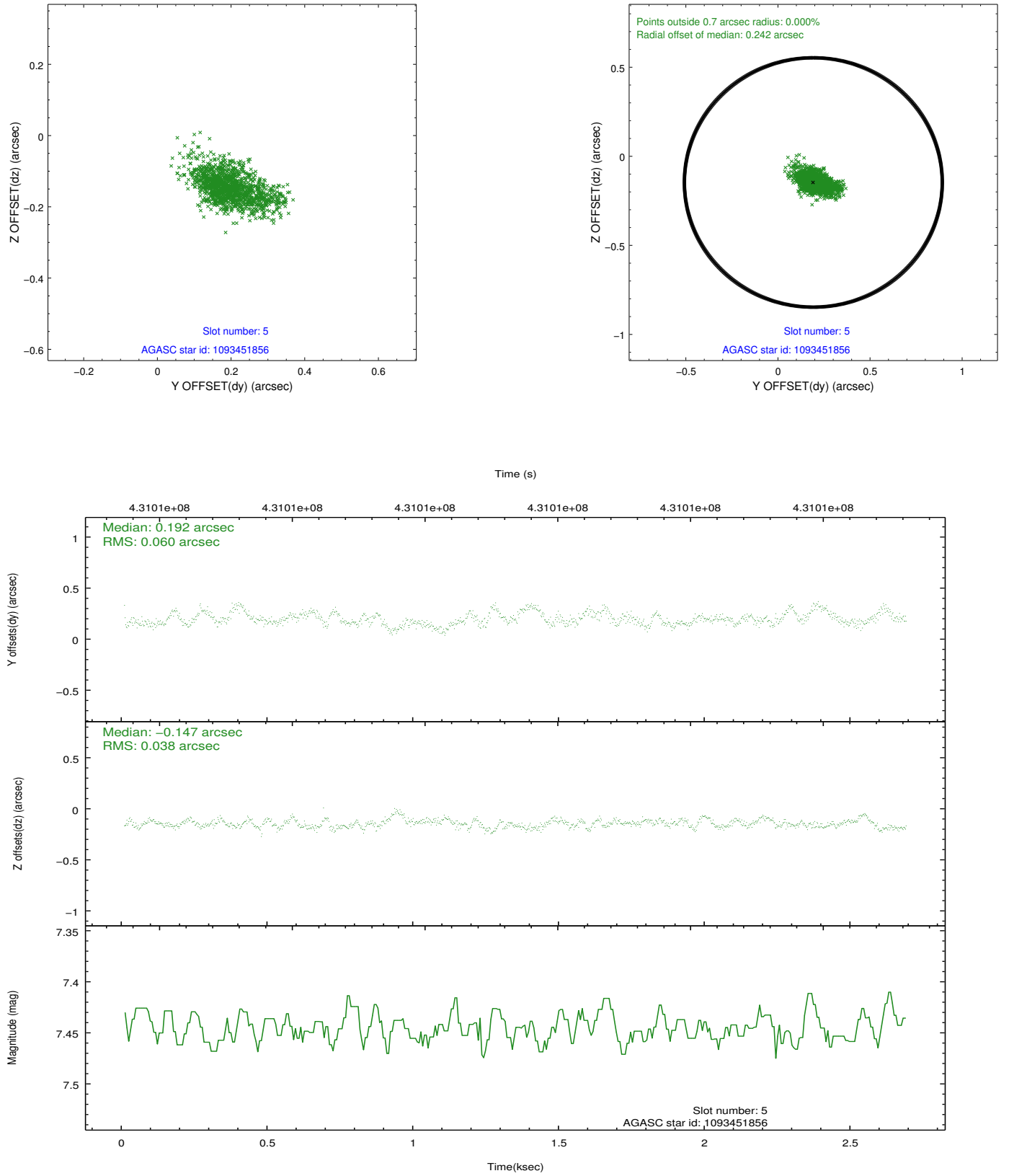
2.4.1 Slot 3



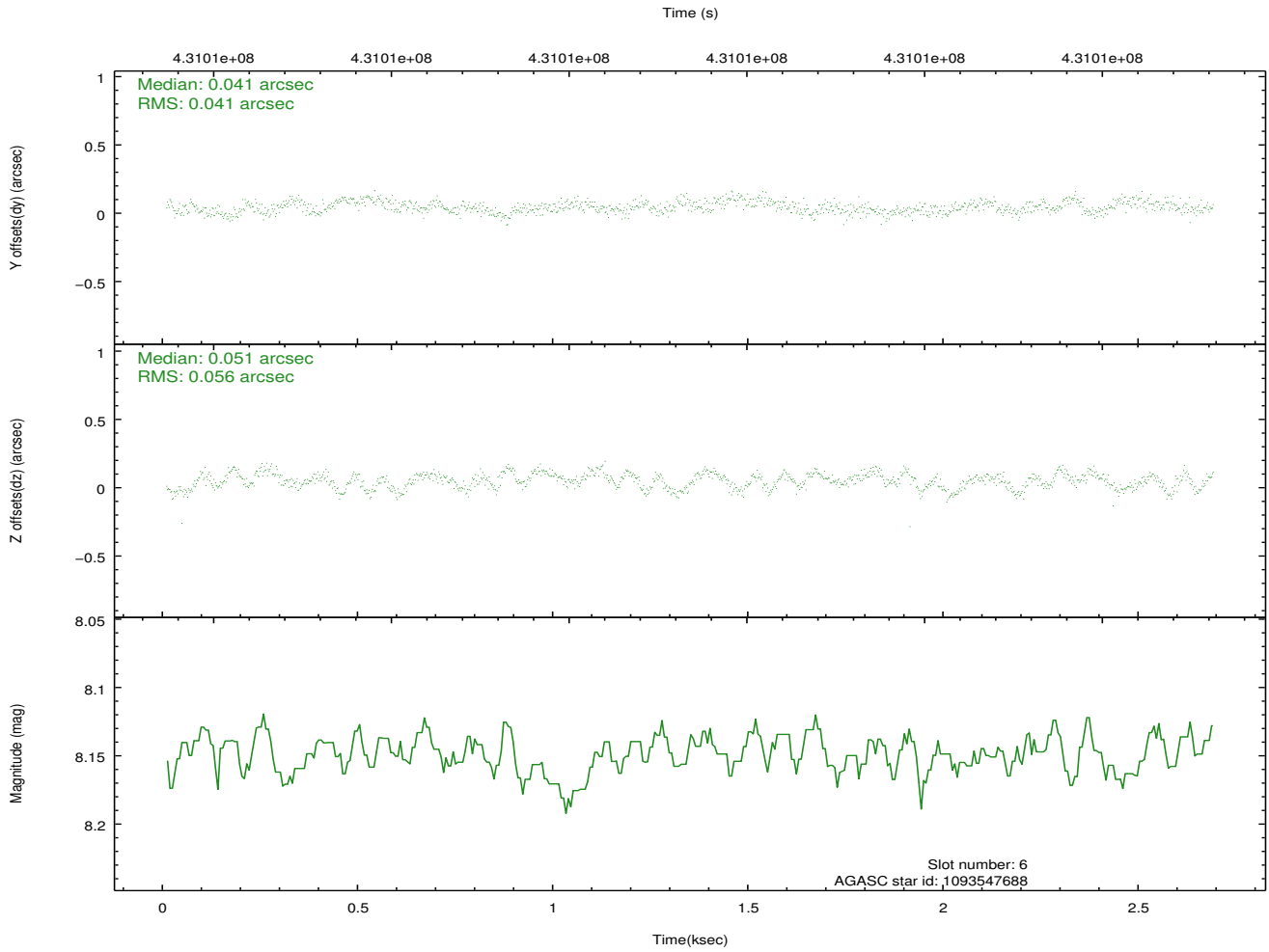
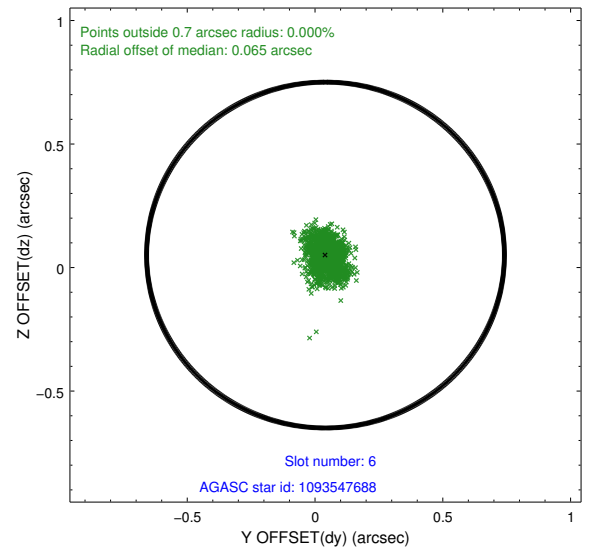
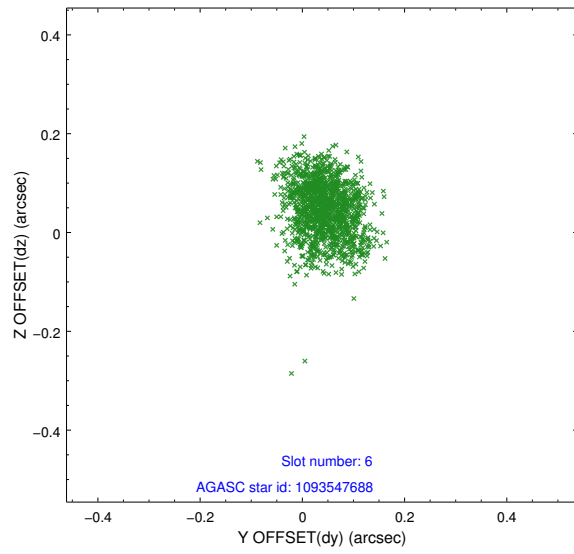
2.4.2 Slot 4



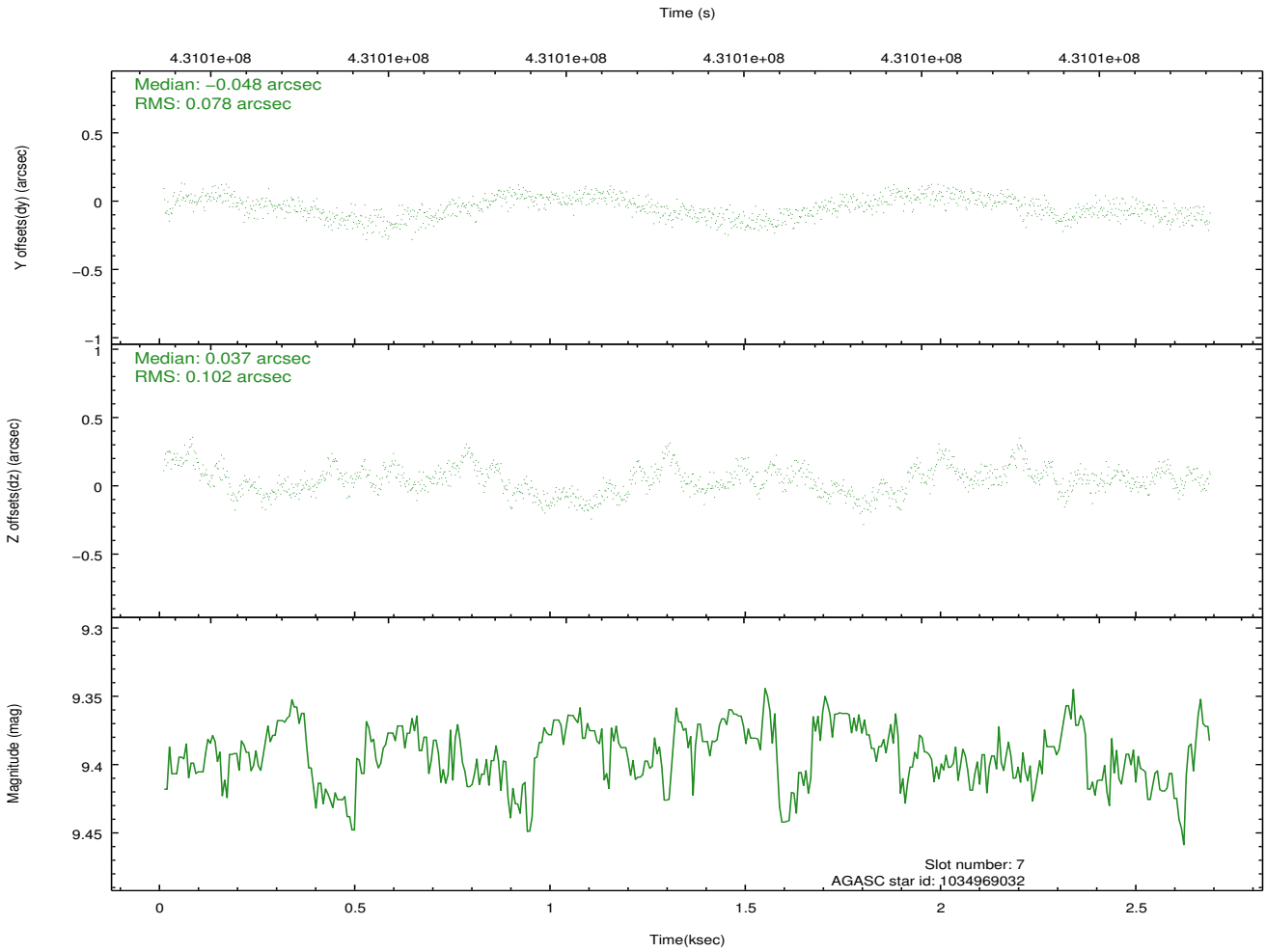
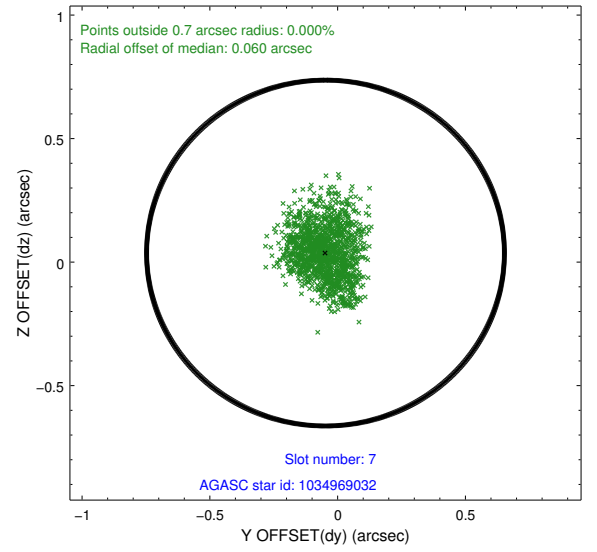
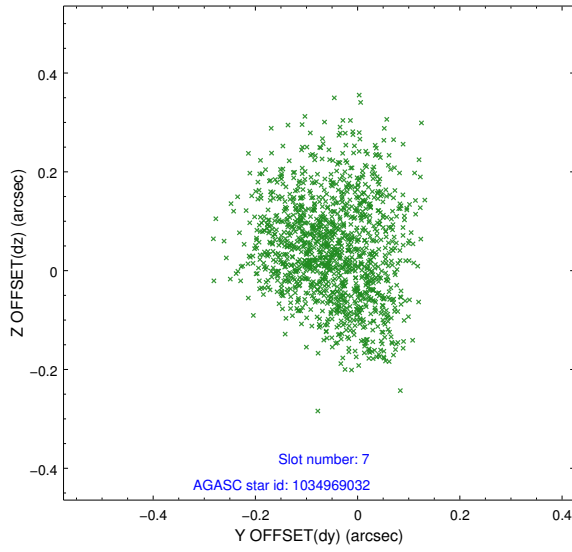
2.4.3 Slot 5



2.4.4 Slot 6

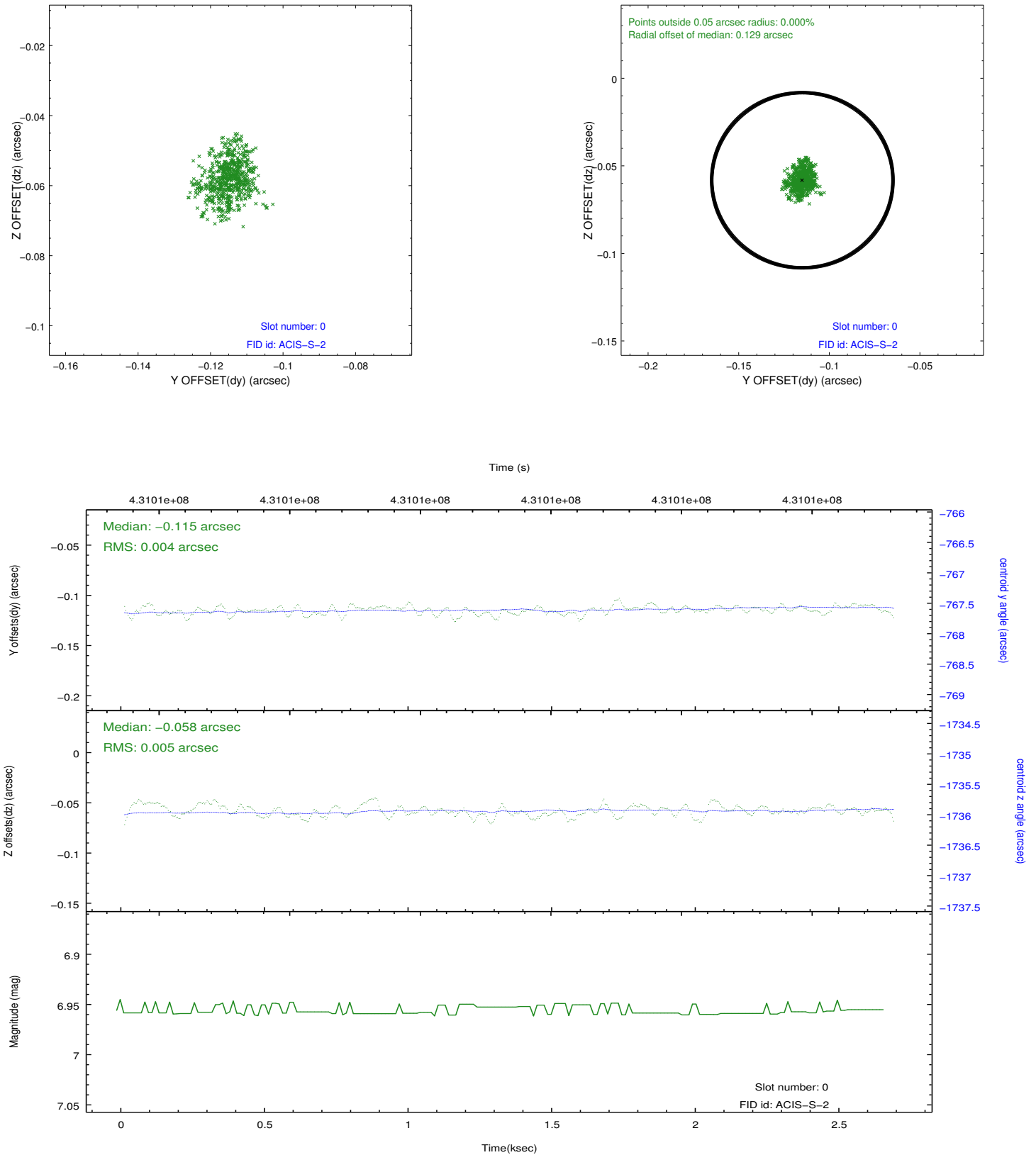


2.4.5 Slot 7

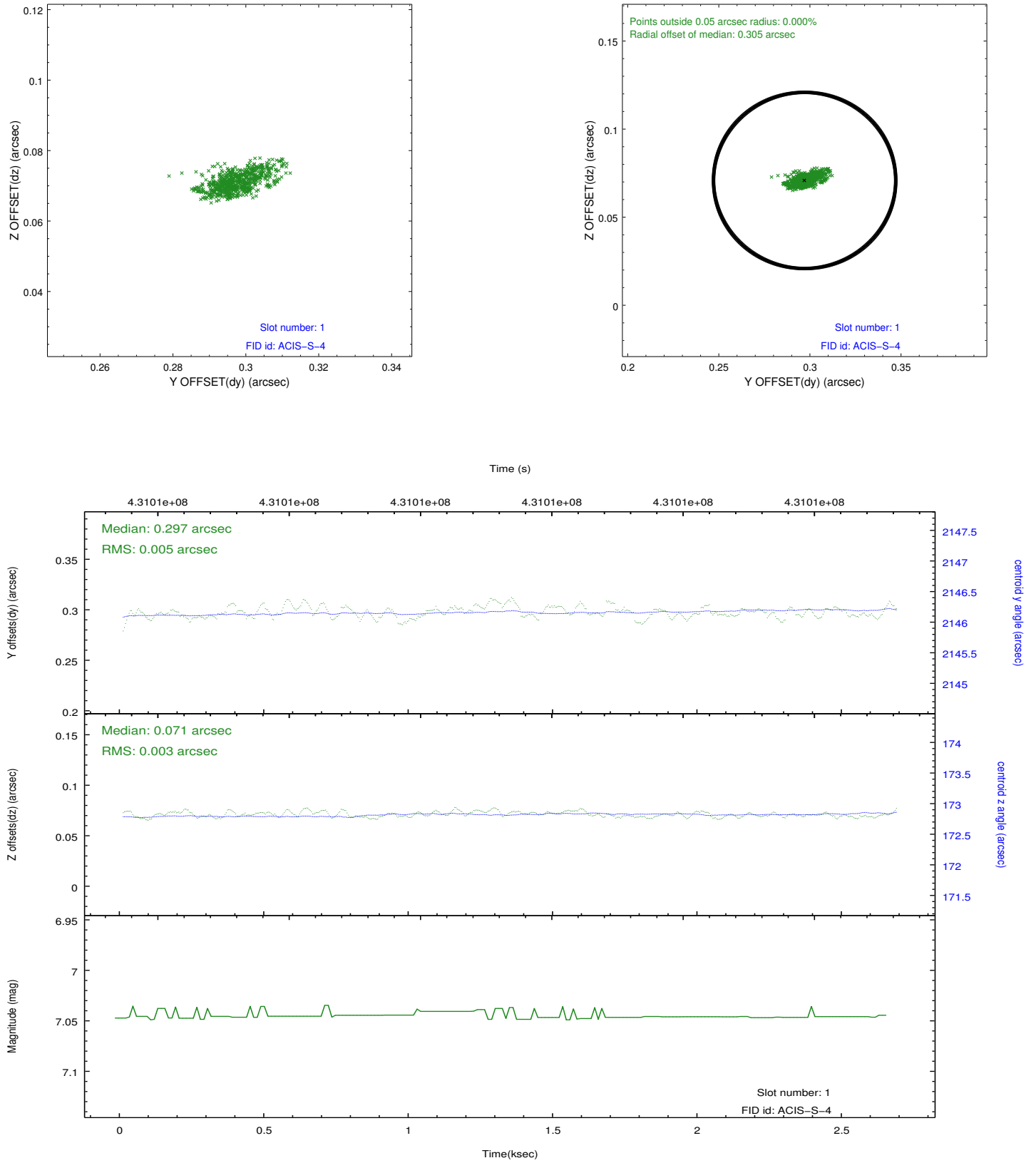


2.5 FID Slots

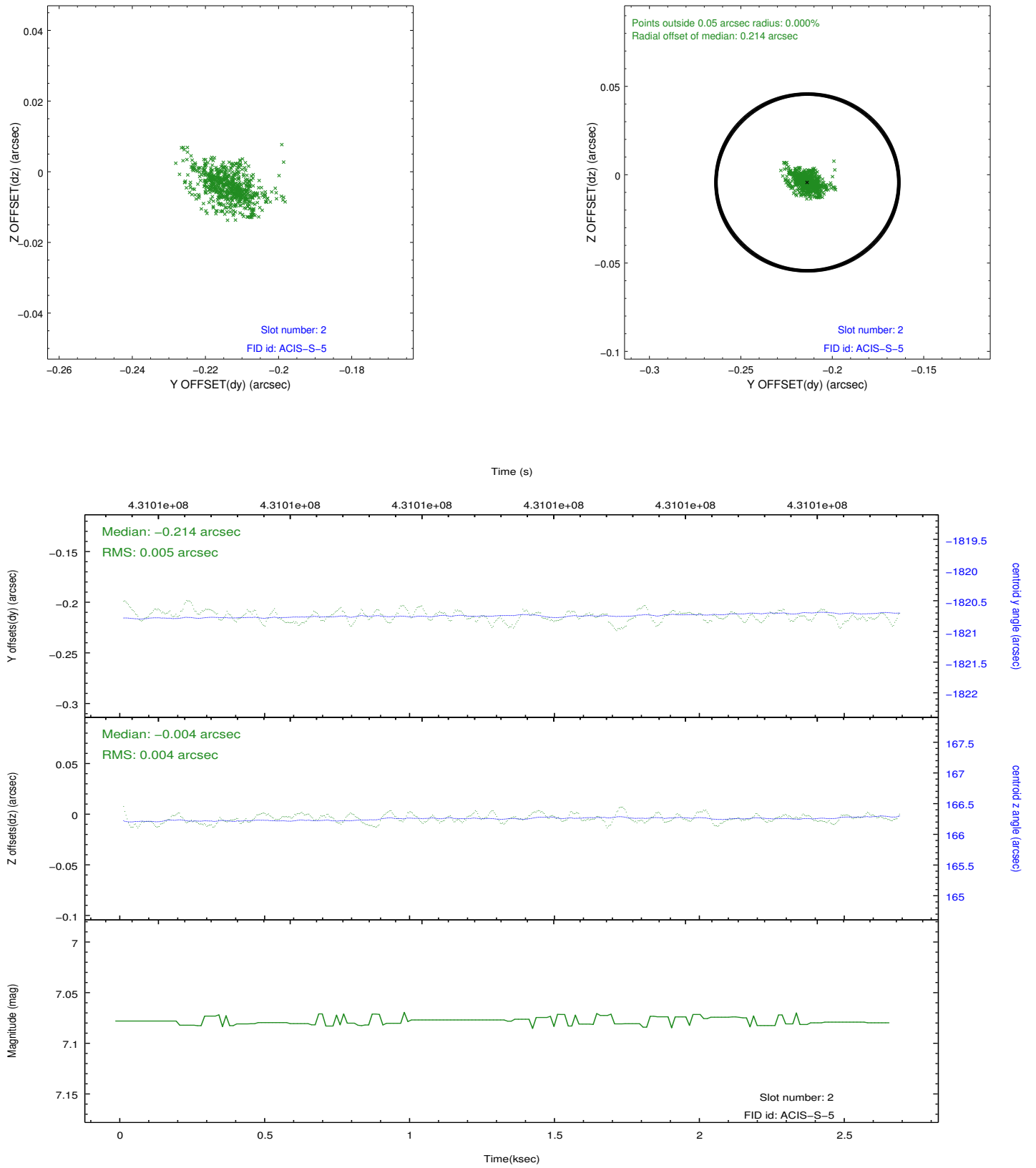
2.5.1 Slot 0



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)	2012.02.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.5485

A.2 Comments