

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 14329 - L2 Version 2
Chandra X-Ray Center

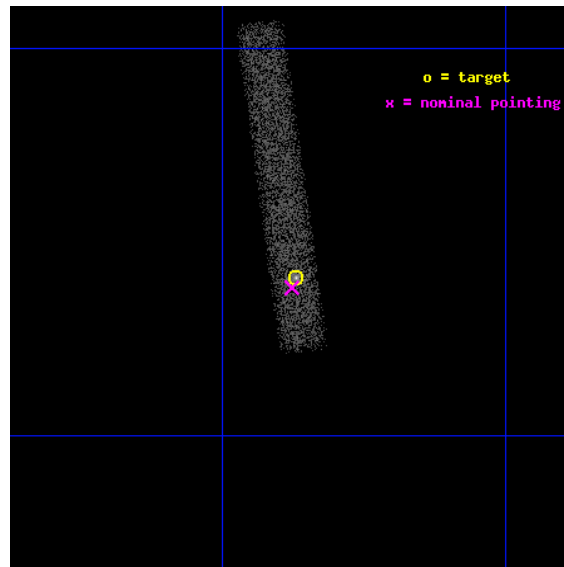
L2 Processing Date : Feb 20 2012

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1 Front

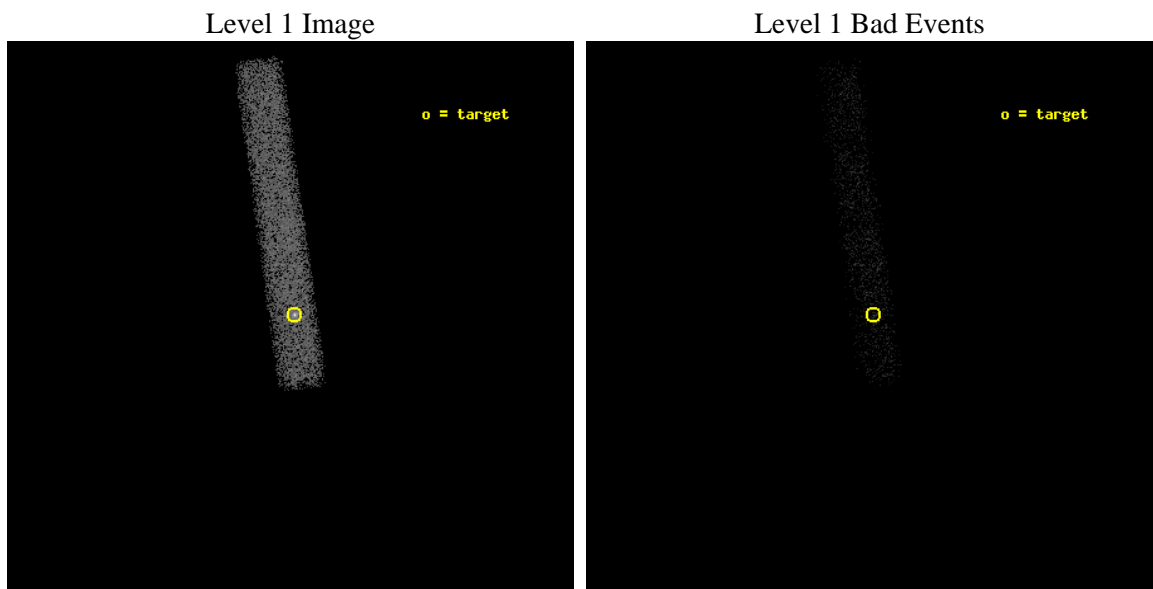
seq_num	501789	Sequence number
obs_id	14329	Observation id
title	Is Swift J1834.9-0846 a magnetar related to SNR W41 and HESS J1834-087?	Proposal title
observer	Dr Oleg Kargaltsev	Principal investigator
object	Swift J1834.9-0846	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	278.717167	Observer's specified target RA [deg]
dec_targ	-8.765444	Observer's specified target Dec [deg]
ra_nom	278.71914834657	Nominal RA [deg]
dec_nom	-8.7699100898885	Nominal Dec [deg]
roll_nom	262.01088919434	Nominal Roll [deg]
revision	2	Processing version of data
ontime	14350.39914465	Sum of GTIs [s]
livetime	13015.054548022	Livetime [s]
ontime7	14350.39914465	Sum of GTIs [s]
l2events	8939	Number of level 2 events



2 OBI

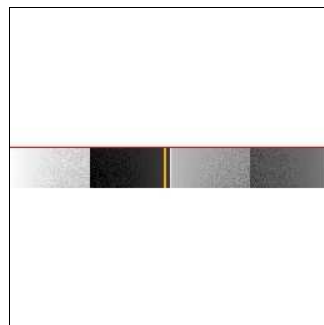
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	14341.551000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	14350.39914465	Sum of GTIs [s]
caldsver	4.4.8	 	ontime7	14350.39914465	Sum of GTIs [s]
date	2012-02-20T22:35:09	Date and time of file creation	l1events	16954	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

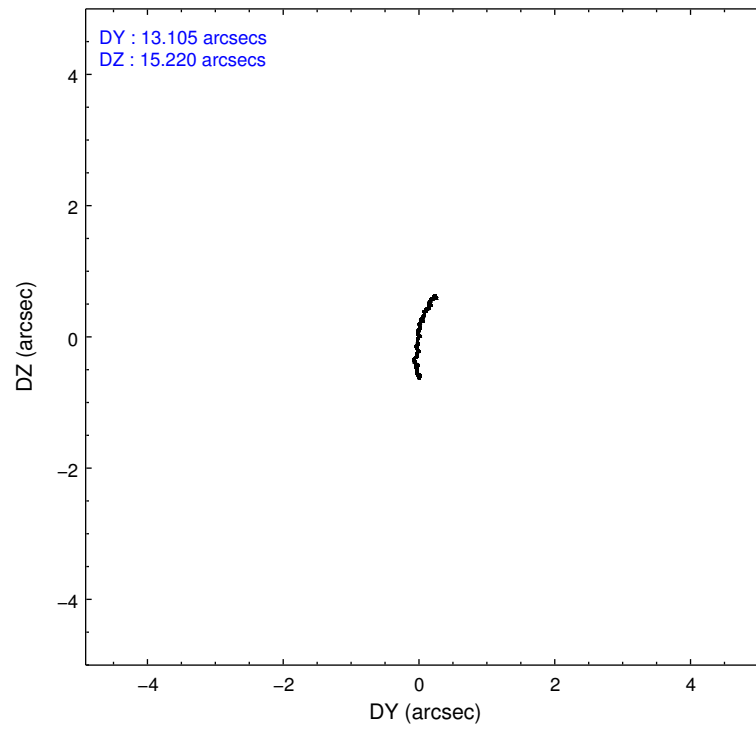
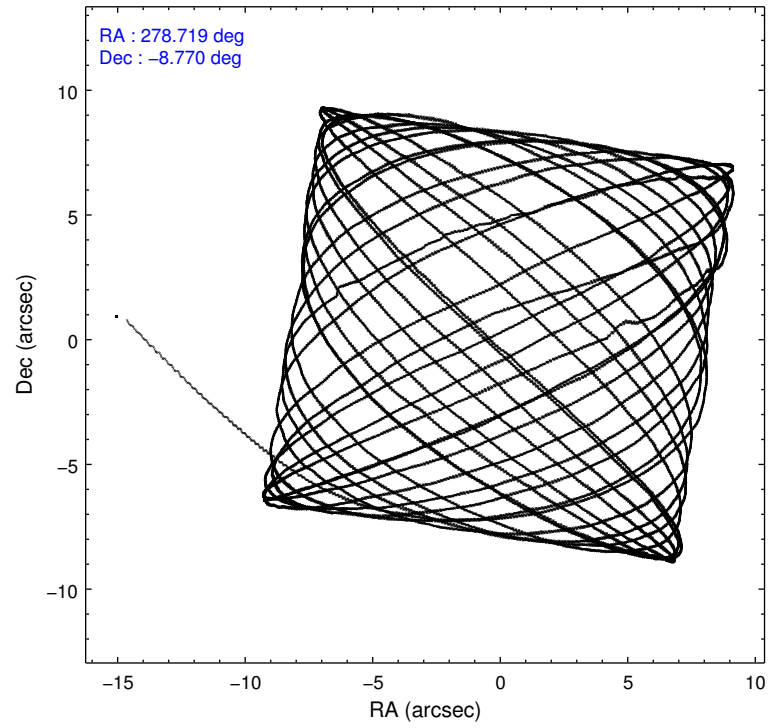
	ccd 7
level 1 events	16954
rejected events	7662
rejected %	45%

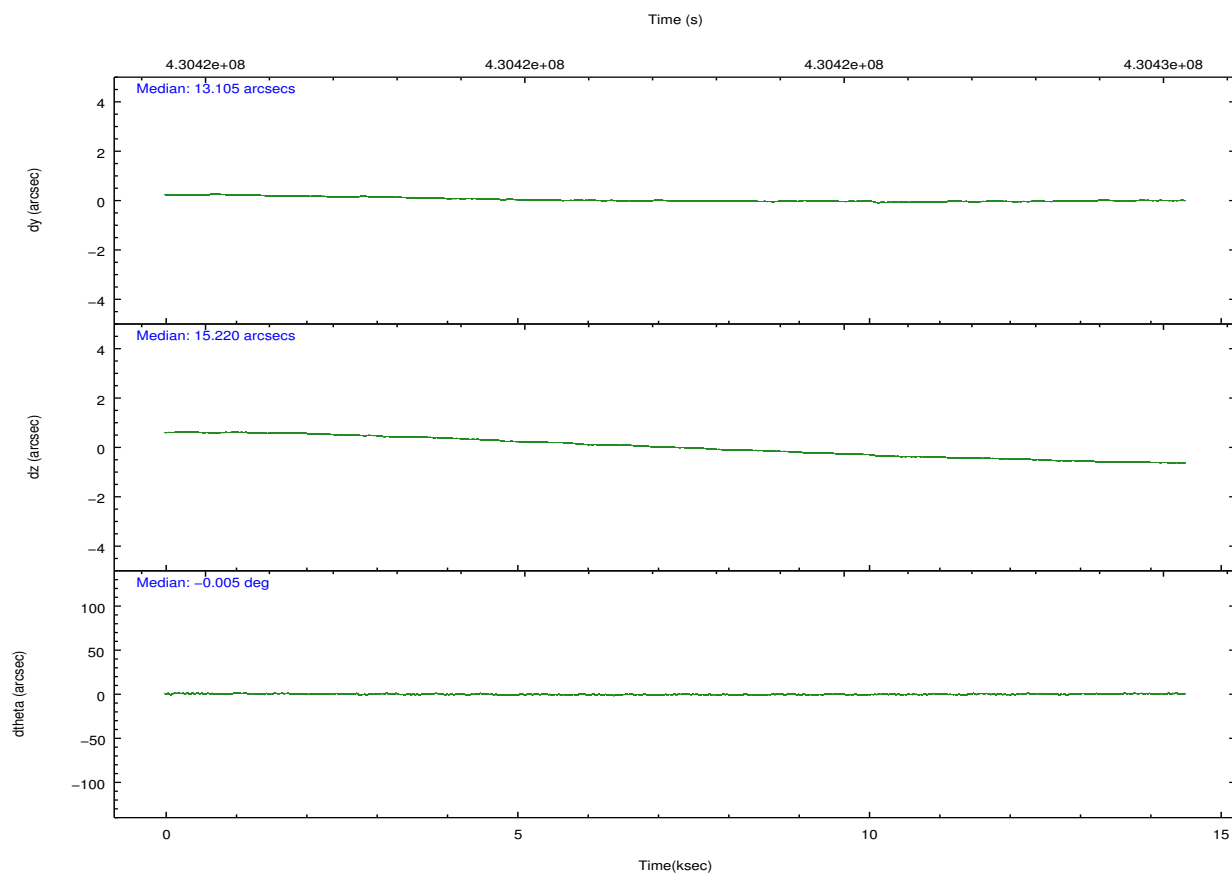
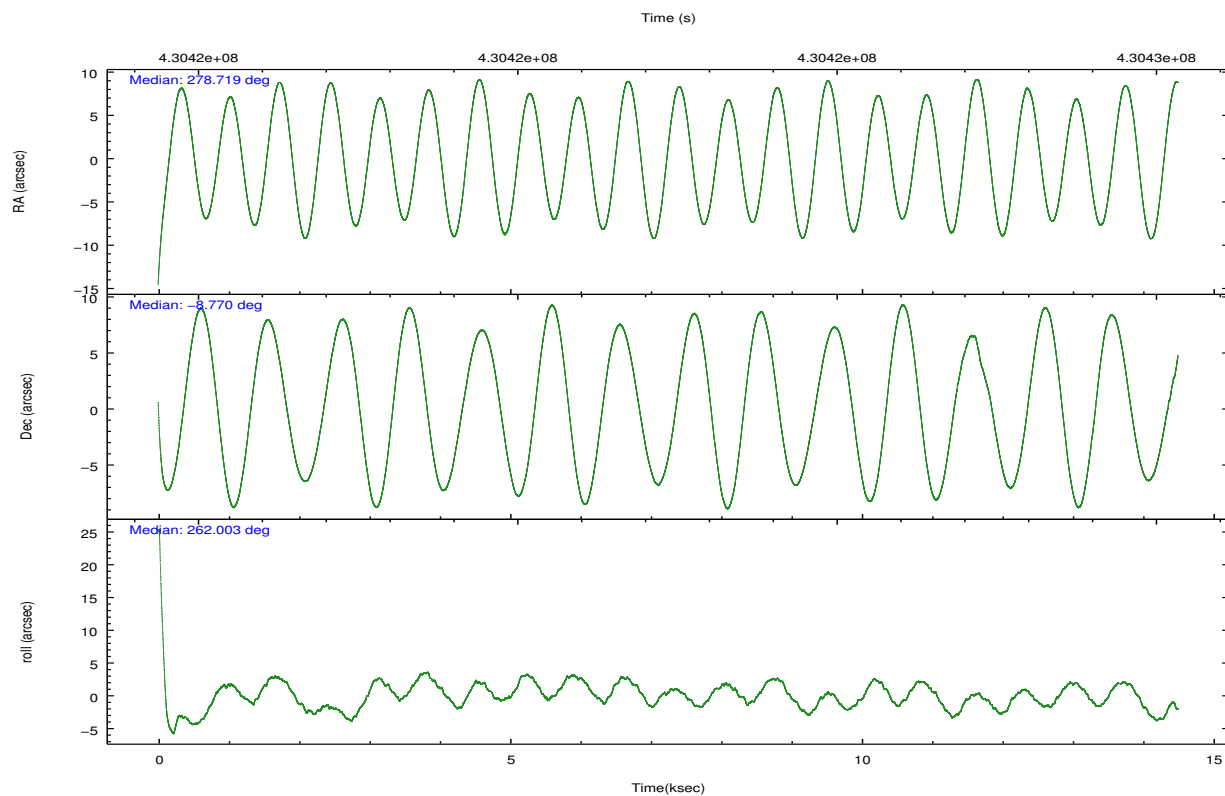
	ccd 7
grade 0 events	1052
	6%
grade 1 events	21
	0%
grade 2 events	1848
	10%
grade 3 events	1277
	7%
grade 4 events	1191
	7%
grade 5 events	1552
	9%
grade 6 events	3924
	23%
grade 7 events	6089
	35%

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	278.708424	278.719148346574	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-8.744675	-8.769910089888477	Subarray start row	449	449
[deg] Pointing Roll	261.852595	262.0108891943401	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)	430415247.184000	430414152.88663			
Observation start date	2011-08-22T15:46:21	2011-08-22T15:29:12			
[s] Observation end time (MET)	430429589.184000	430429814.88745			
Observation end date	2011-08-22T19:45:23	2011-08-22T19:50:14			
Read mode	TIMED	TIMED			

2.3 Aspect



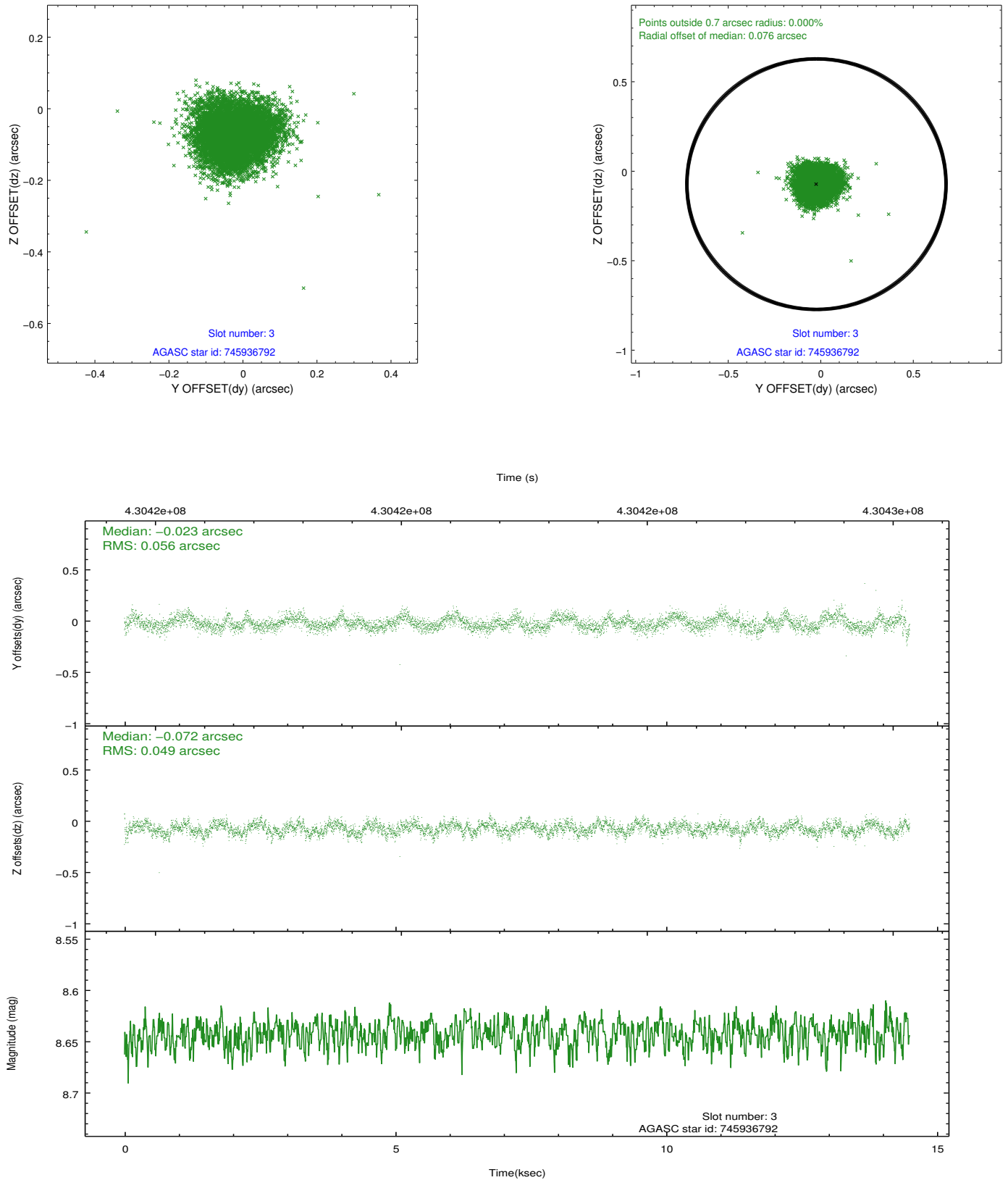


Slot Statistics

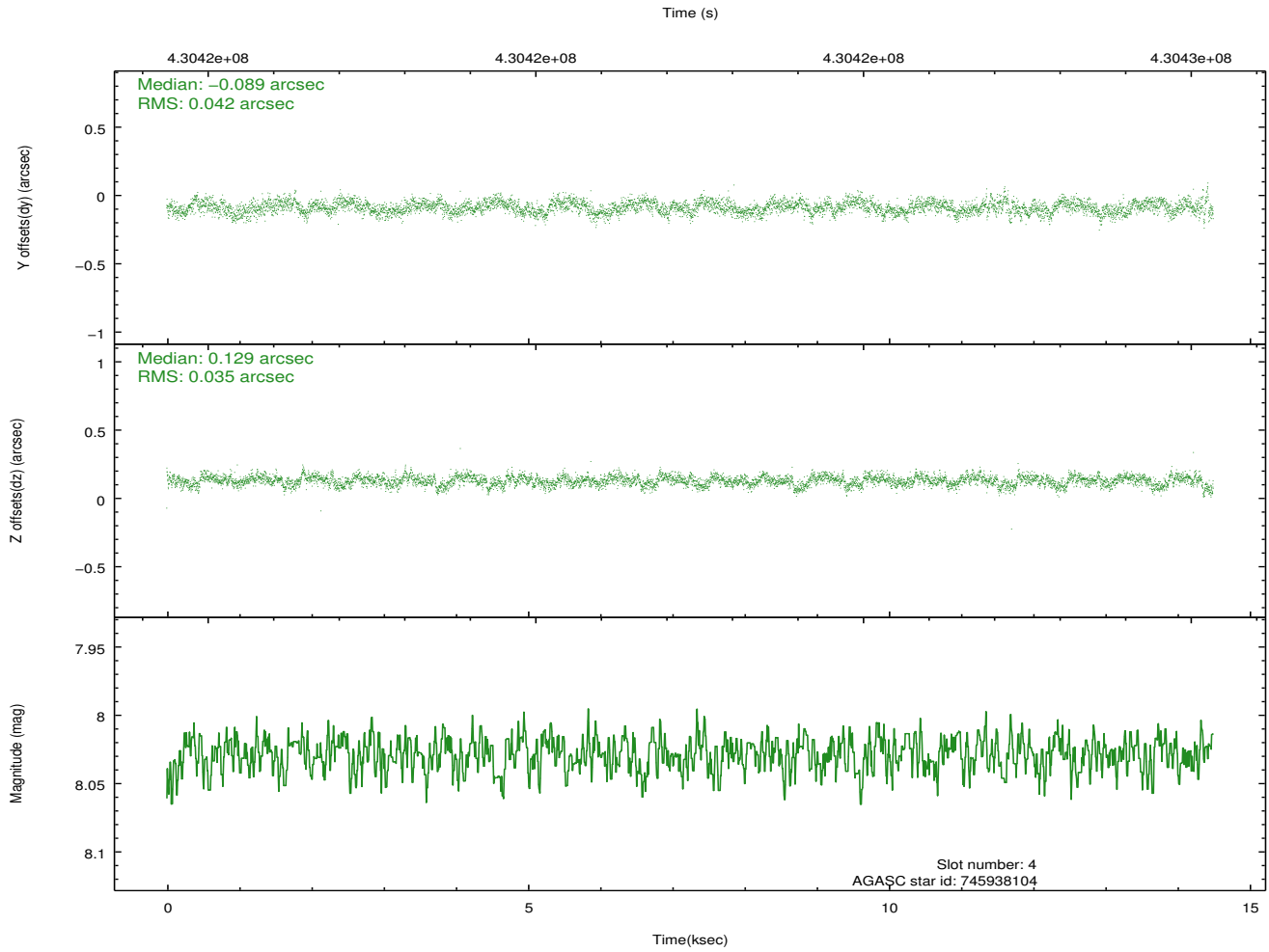
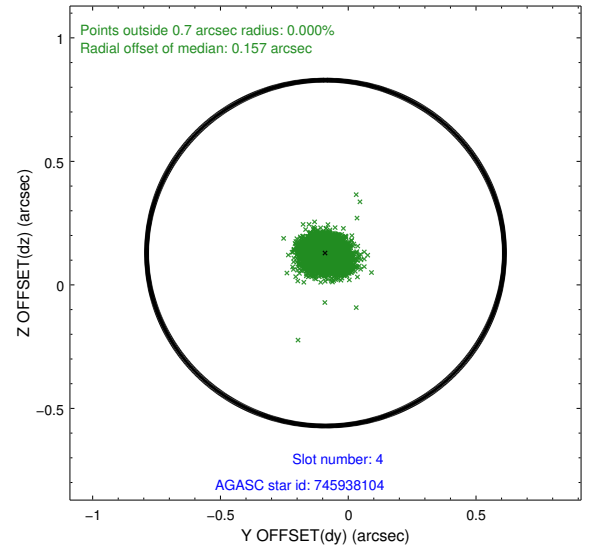
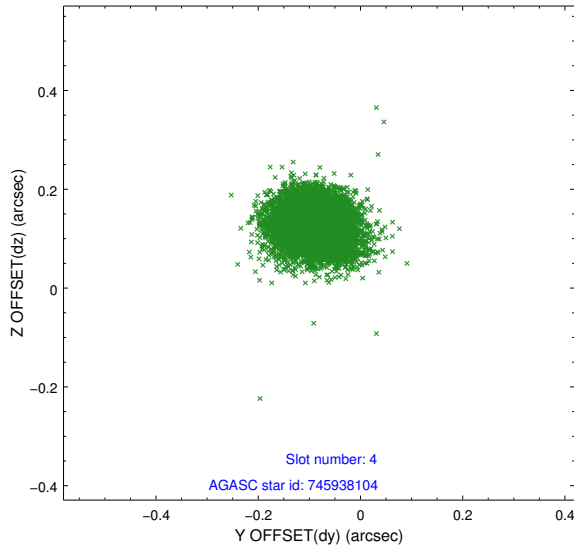
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.95	3537	-0.067	-0.033	0.009	0.015	0.000000	0.000000	-766.11	-1736.60
1	FID	ACIS-S-4	7.04	3536	0.246	0.042	0.009	0.017	0.000000	0.000000	2147.31	171.65
2	FID	ACIS-S-5	7.07	3537	-0.211	0.000	0.011	0.016	0.000000	0.000000	-1818.71	165.61
3	GUIDE	745936792	8.64	7069	-0.023	-0.072	0.079	0.127	278.841392	-9.051493	1026.61	624.59
4	GUIDE	745938104	8.03	7072	-0.089	0.129	0.058	0.095	279.090231	-8.877678	282.29	1412.55
5	GUIDE	745938592	8.59	7072	-0.137	-0.126	0.086	0.139	279.317497	-8.670287	-570.74	2108.03
6	GUIDE	746460752	8.68	7069	0.445	0.141	0.093	0.143	278.807572	-9.403686	2299.14	685.61
7	GUIDE	745932928	9.34	7044	-0.195	-0.077	0.106	0.174	278.034432	-8.686351	134.89	-2403.73

2.4 Star Slots

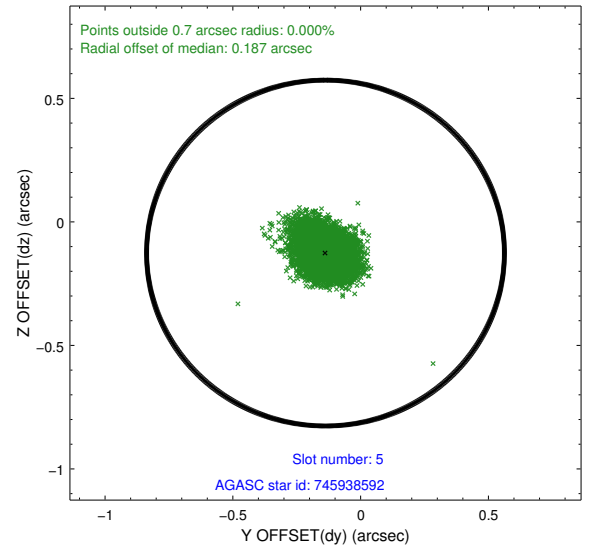
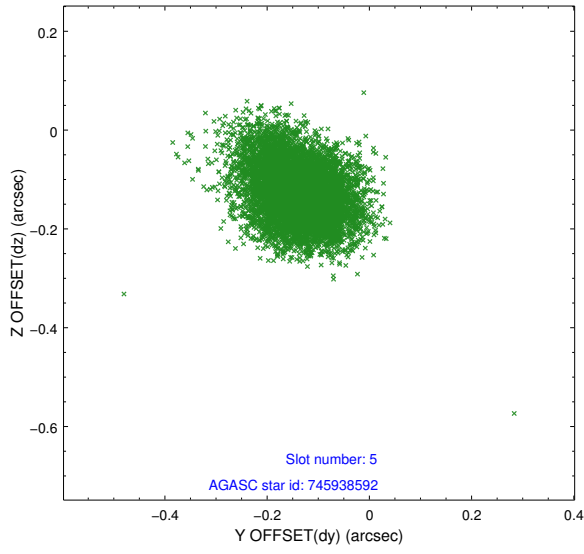
2.4.1 Slot 3



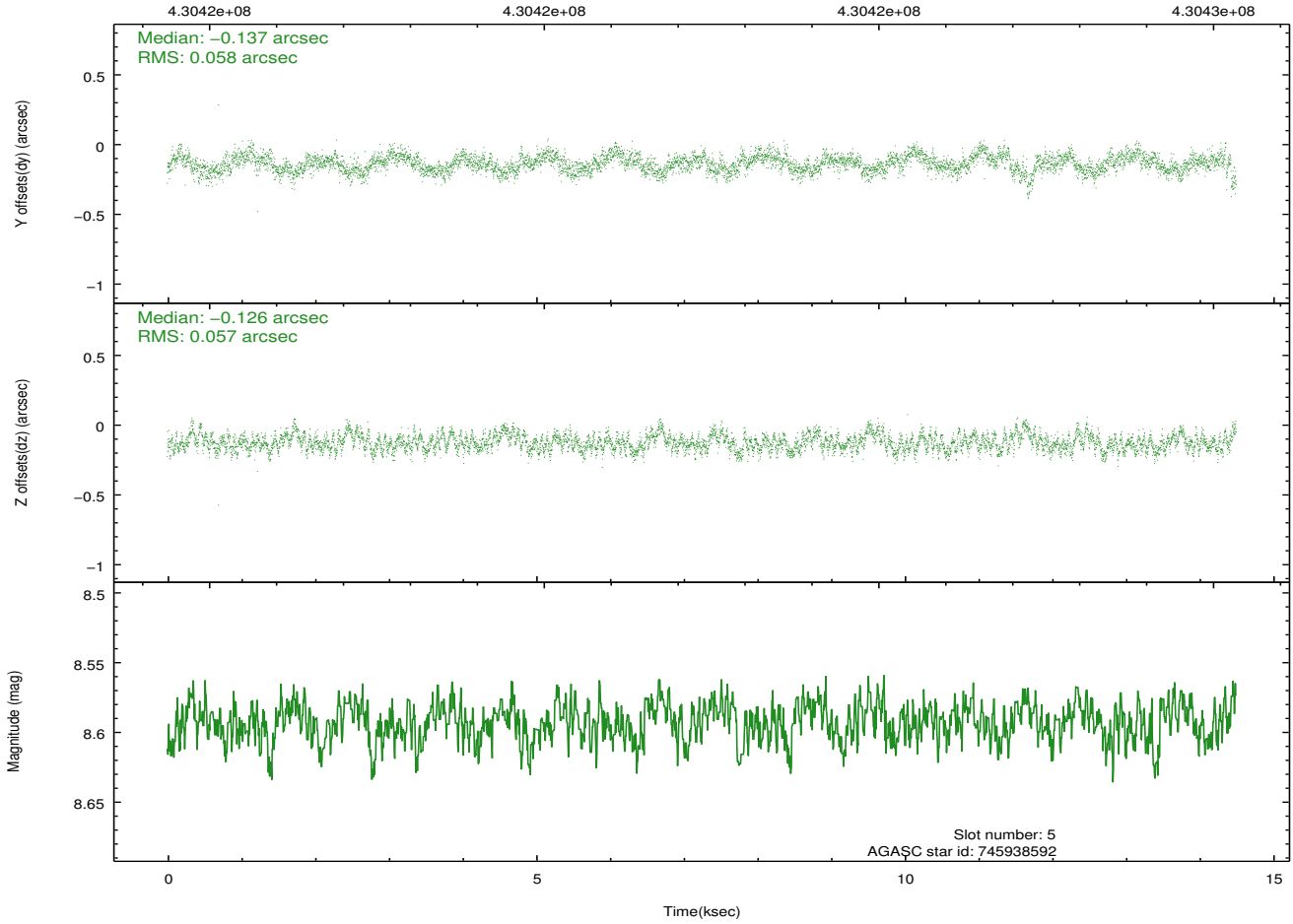
2.4.2 Slot 4



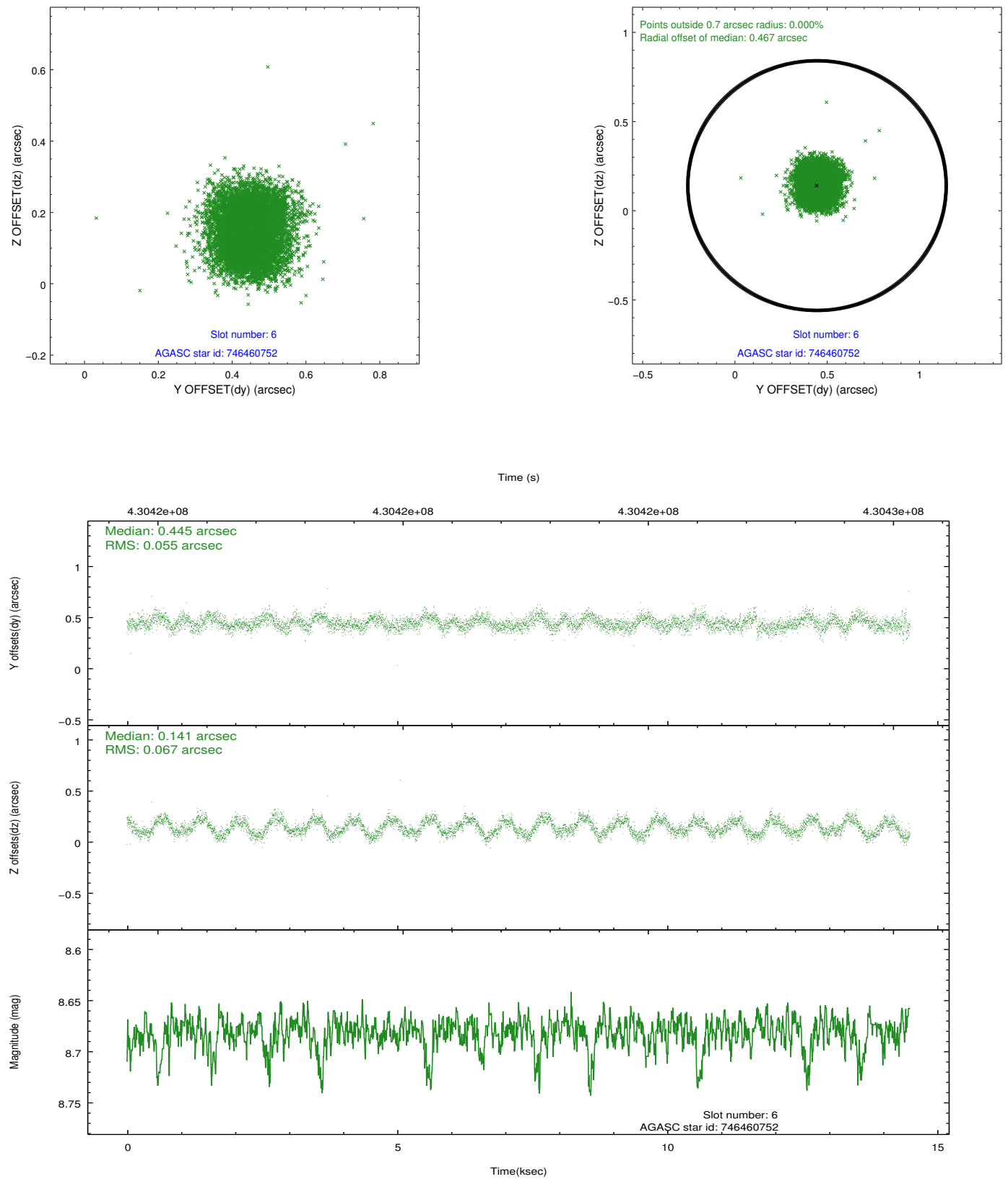
2.4.3 Slot 5



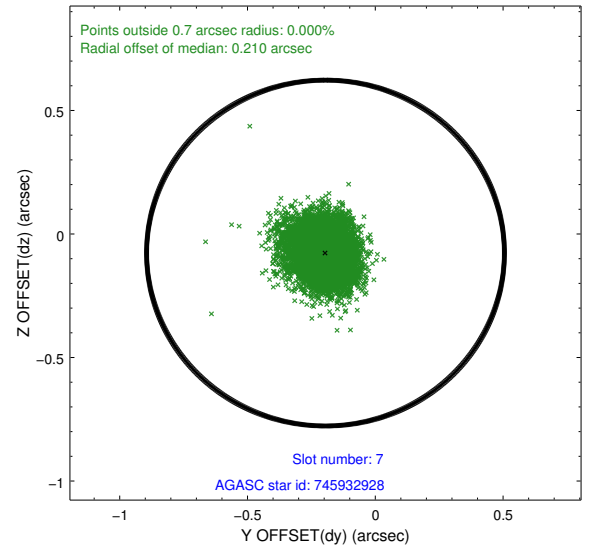
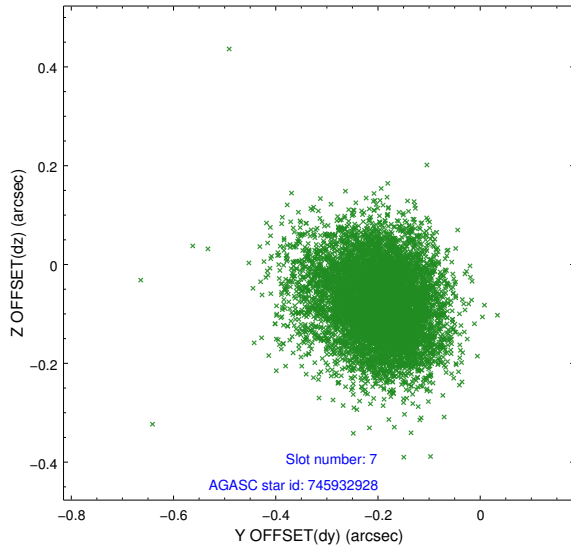
Time (s)



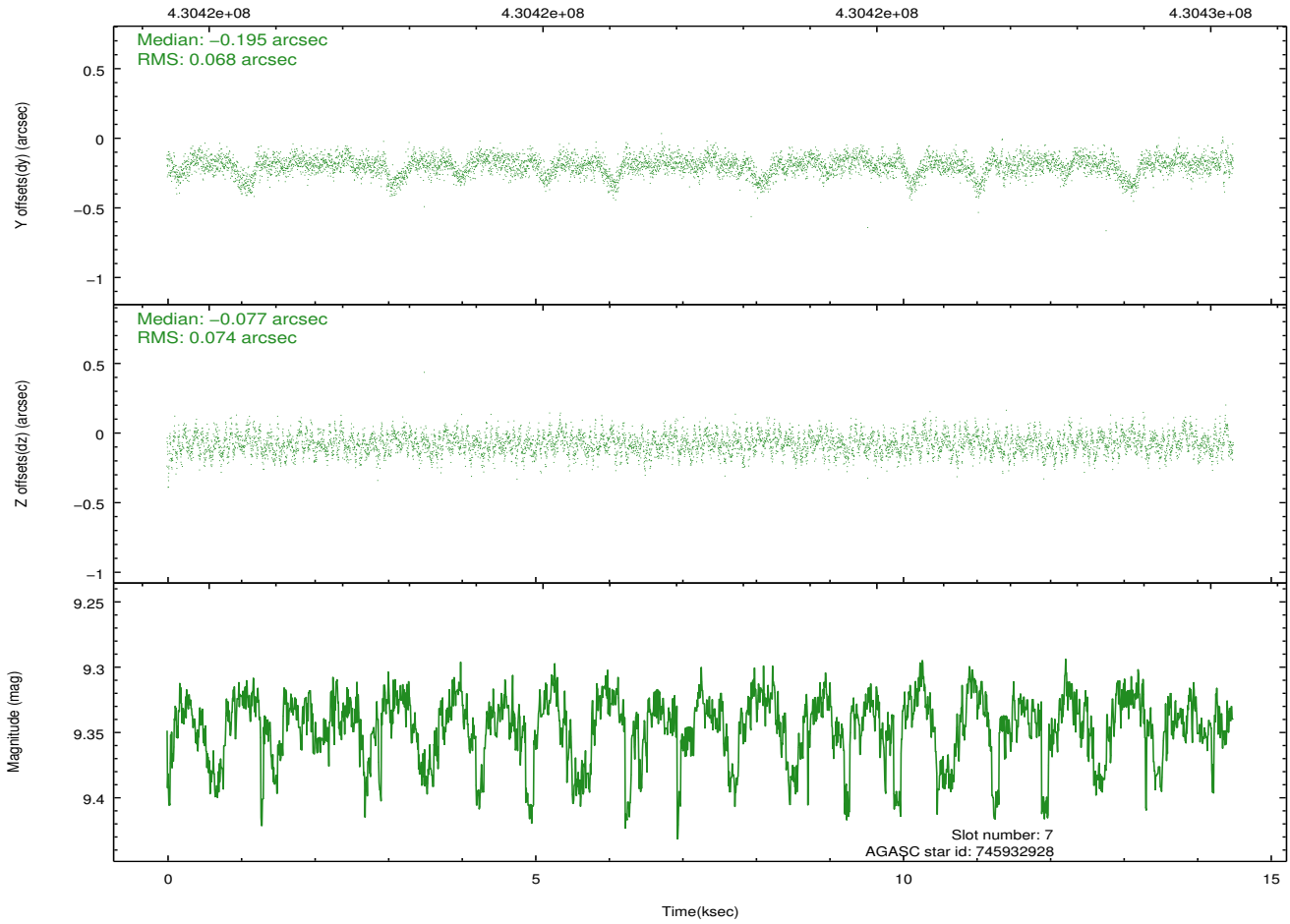
2.4.4 Slot 6



2.4.5 Slot 7

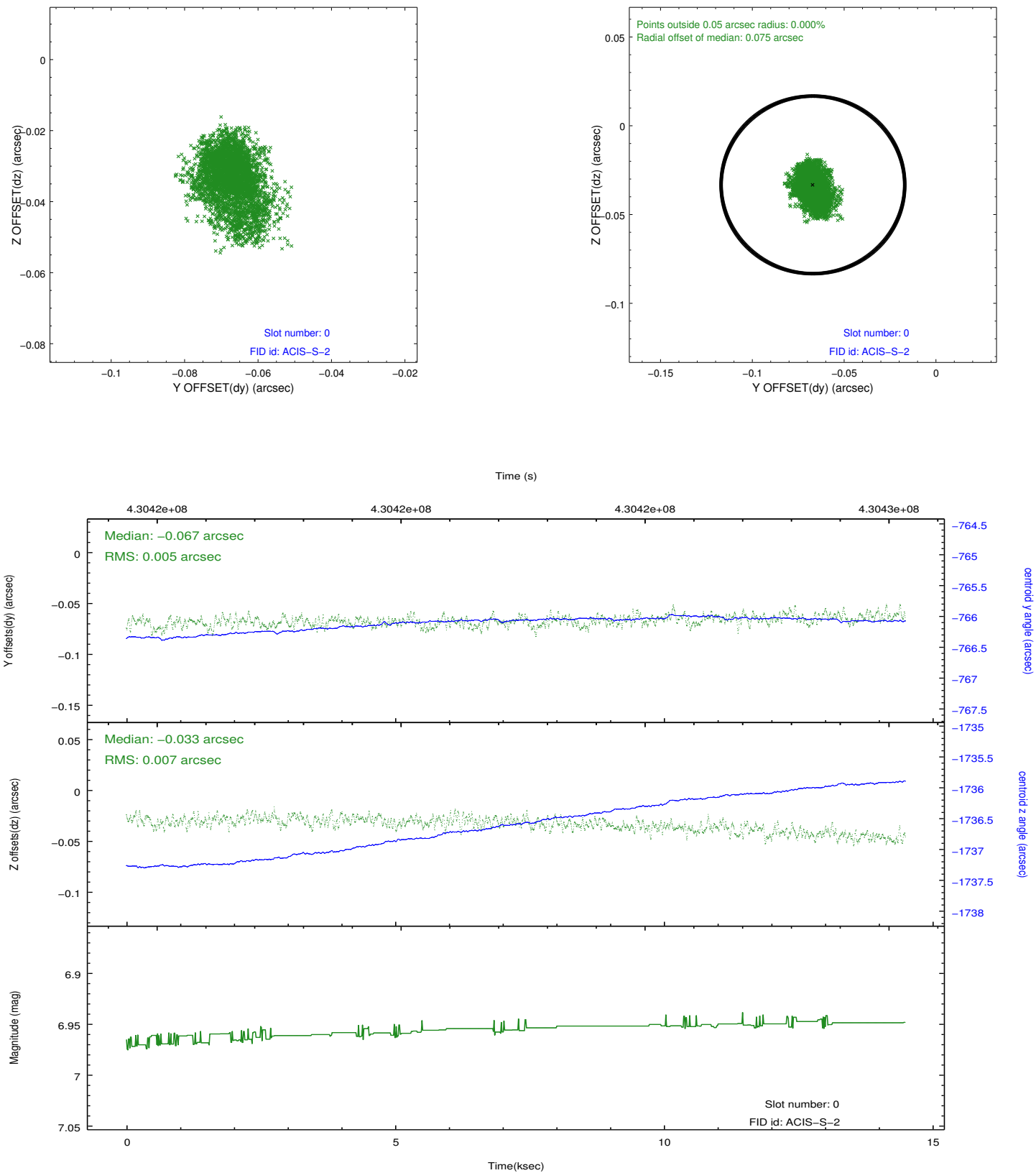


Time (s)

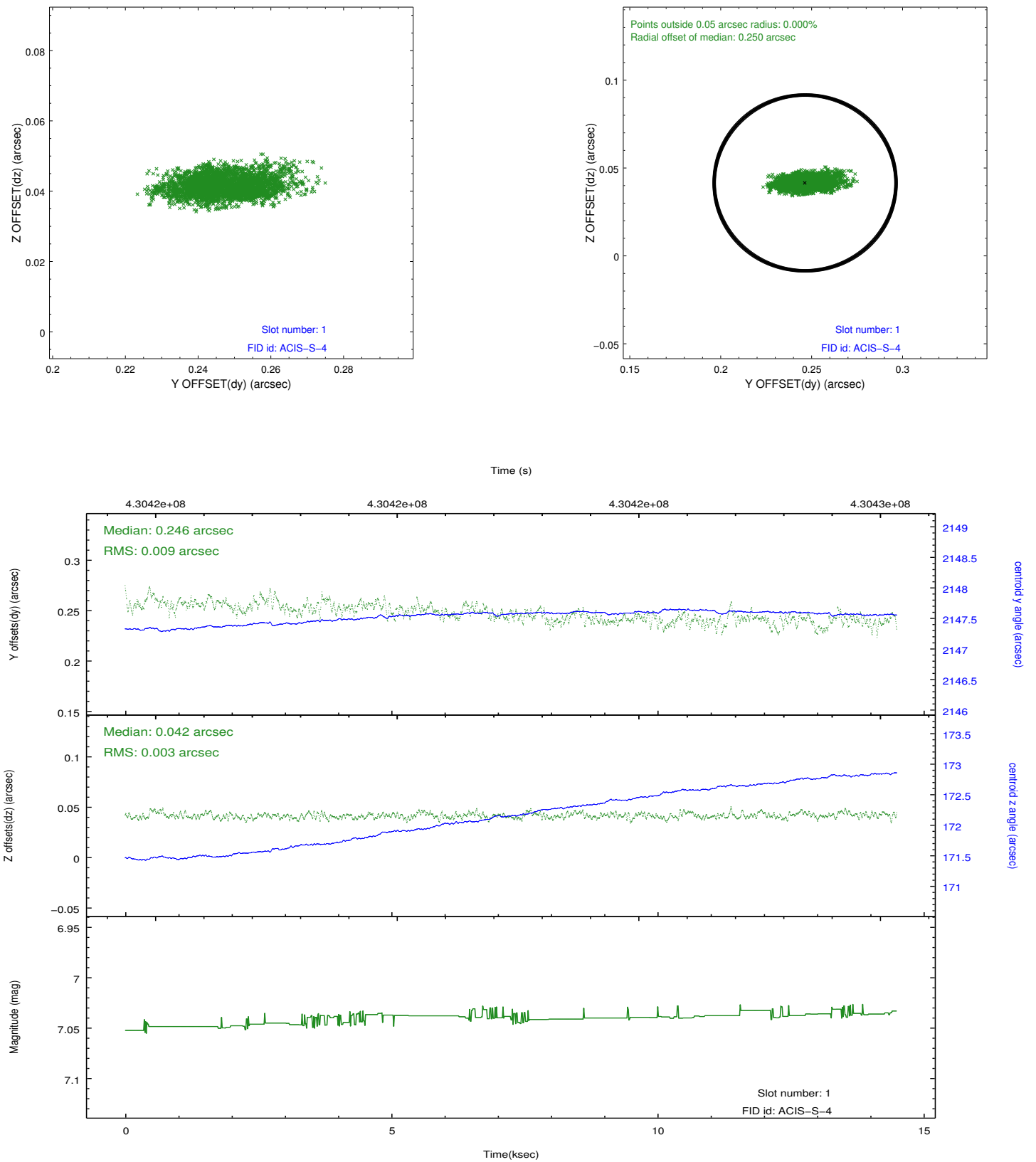


2.5 FID Slots

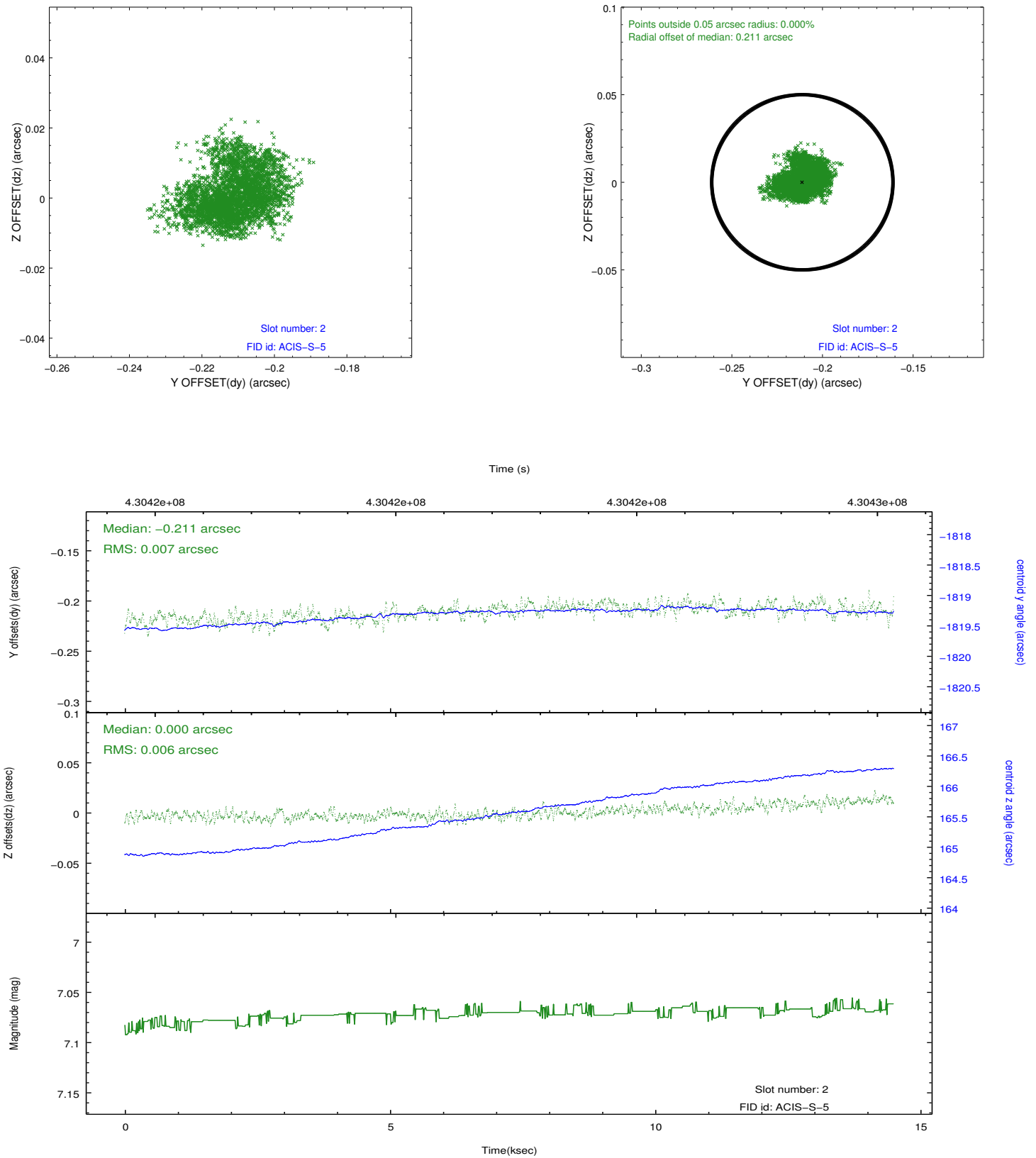
2.5.1 Slot 0



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	14.35039914465

A.2 Comments