

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11678 - L2 Version 2
Chandra X-Ray Center

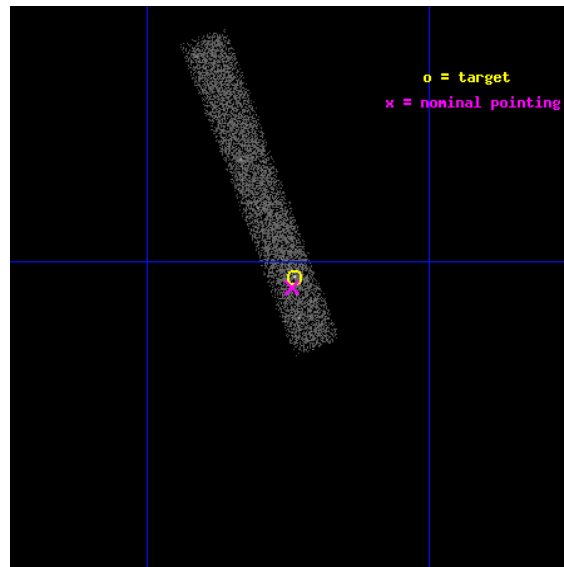
L2 Processing Date : Jun 28 2012

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1 Front

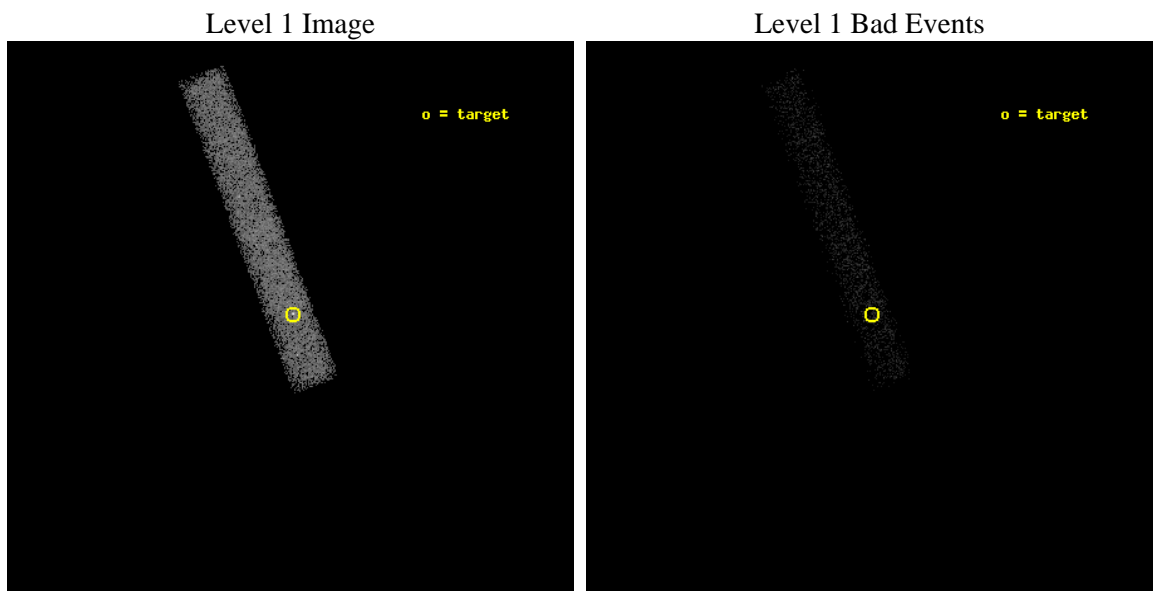
seq_num	702264	Sequence number
obs_id	11678	Observation id
title	Investigating the Nuclear Activity of Barred and Unbarred Spiral Galaxies	Proposal title
observer	Dr Leigh Jenkins	Principal investigator
object	NGC 4939	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	196.059958	Observer's specified target RA [deg]
dec_targ	-10.339611	Observer's specified target Dec [deg]
ra_nom	196.06090375411	Nominal RA [deg]
dec_nom	-10.344369021807	Nominal Dec [deg]
roll_nom	249.57100424746	Nominal Roll [deg]
revision	2	Processing version of data
ontime	15009.143054366	Sum of GTIs [s]
livetime	13612.500502781	Livetime [s]
ontime7	15009.143054366	Sum of GTIs [s]
l2events	10112	Number of level 2 events



2 OBI

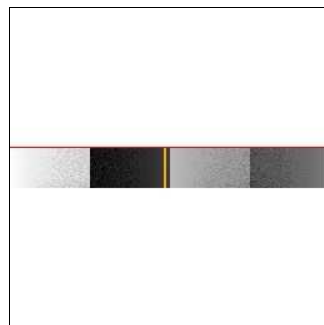
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	15000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	15009.143054366	Sum of GTIs [s]
caldsver	4.5.0	 	ontime7	15009.143054366	Sum of GTIs [s]
date	2012-06-28T04:32:25	Date and time of file creation	l1events	19728	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

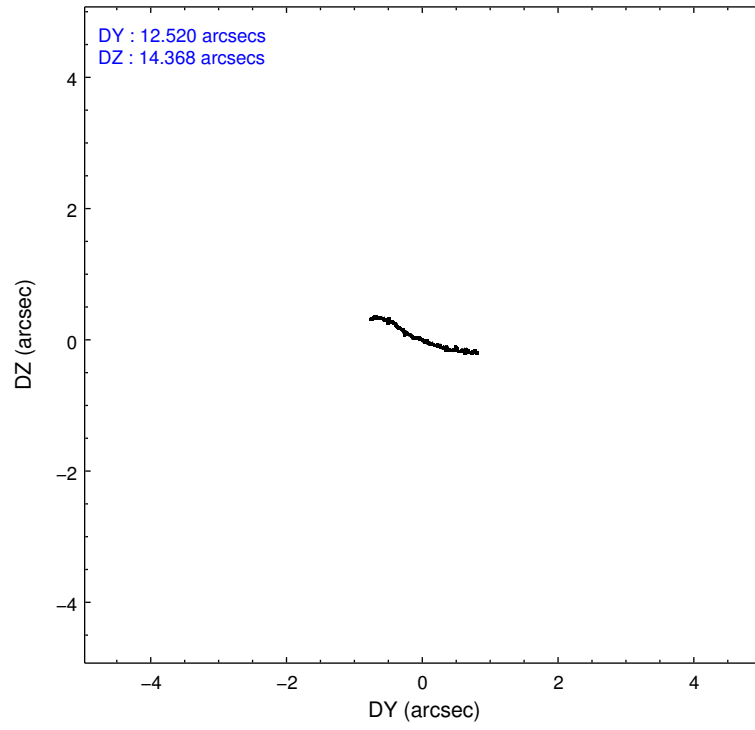
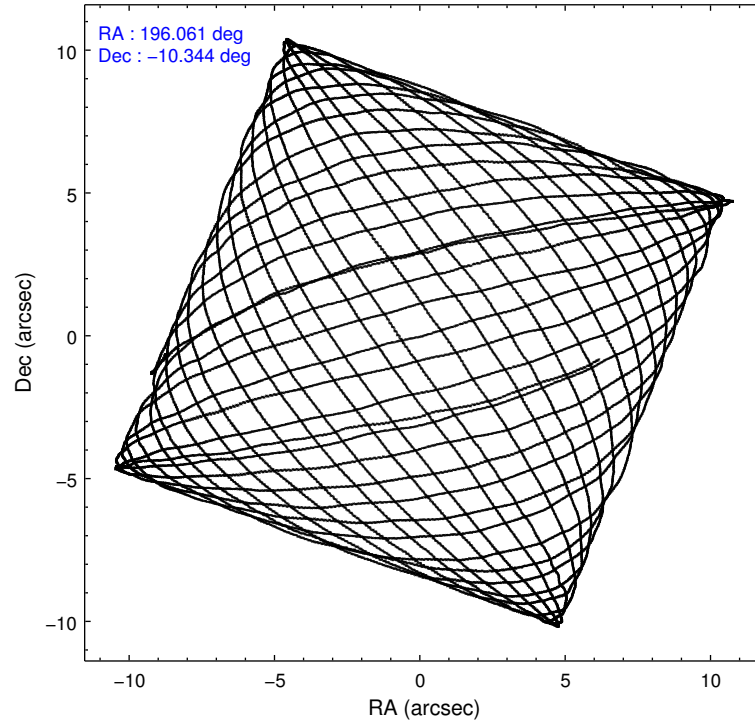
	ccd 7
level 1 events	19728
rejected events	9144
rejected %	46%

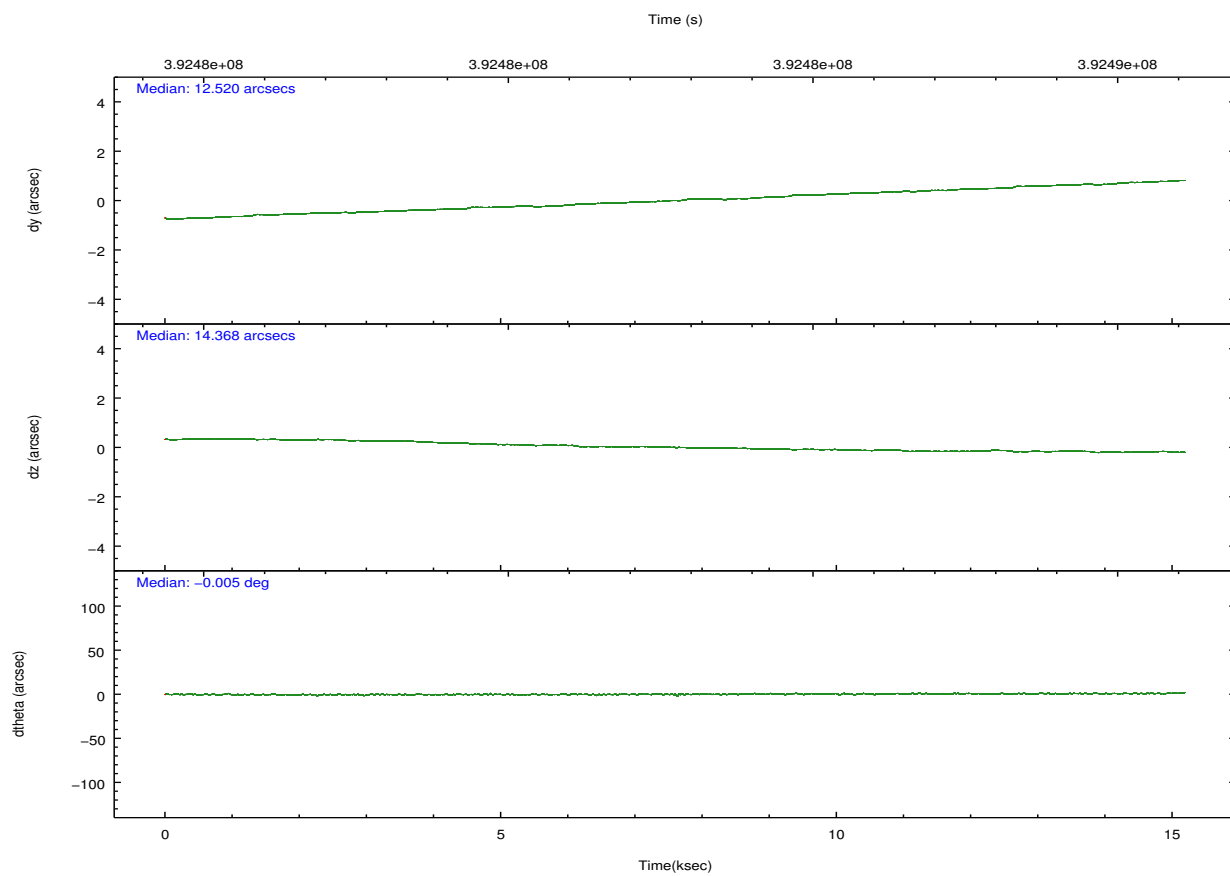
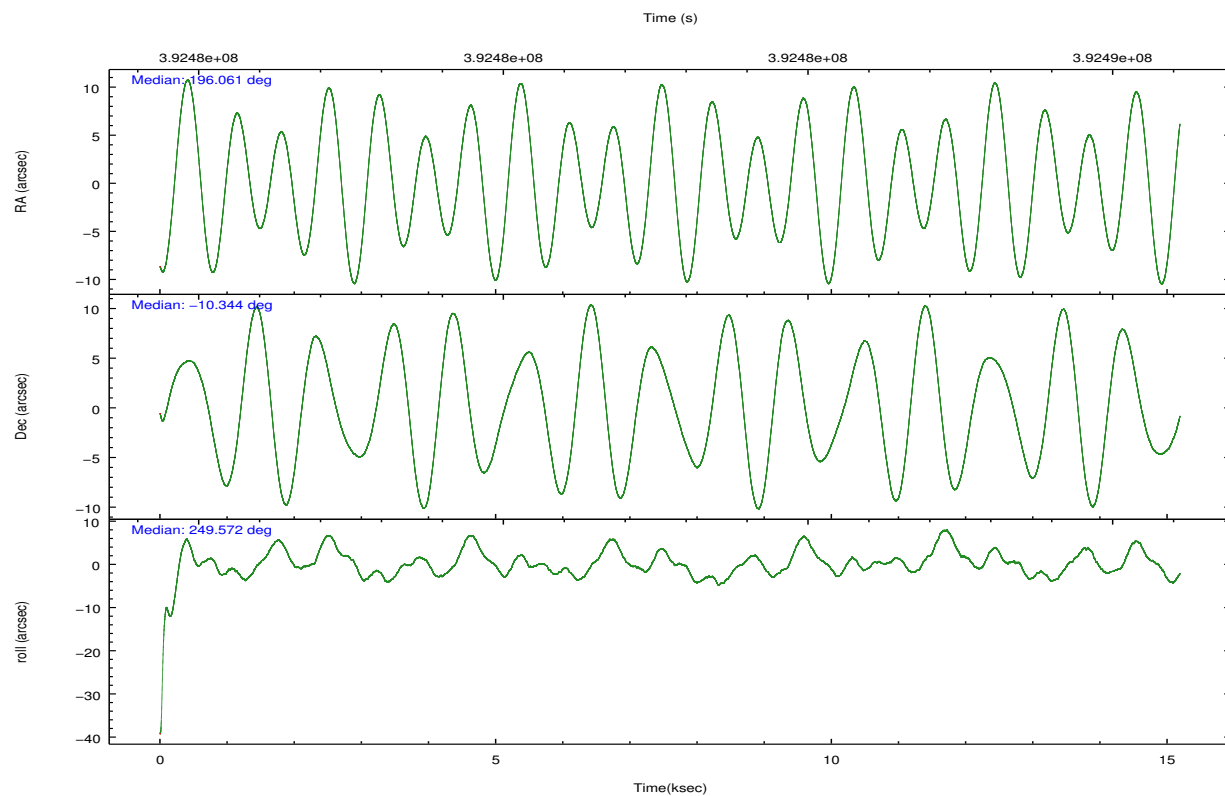
	ccd 7
grade 0 events	1300
	6%
grade 1 events	24
	0%
grade 2 events	2084
	10%
grade 3 events	1494
	7%
grade 4 events	1321
	6%
grade 5 events	1921
	9%
grade 6 events	4385
	22%
grade 7 events	7199
	36%

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	196.055928	196.0609037541109	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-10.317472	-10.34436902180682	Subarray start row	449	449
[deg] Pointing Roll	249.413508	249.5710042474627	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)	392475328.184000	392473926.4614			
Observation start date	2010-06-09T12:54:22	2010-06-09T12:32:06			
[s] Observation end time (MET)	392490328.184000	392491011.16227			
Observation end date	2010-06-09T17:04:22	2010-06-09T17:16:51			
Read mode	TIMED	TIMED			

2.3 Aspect



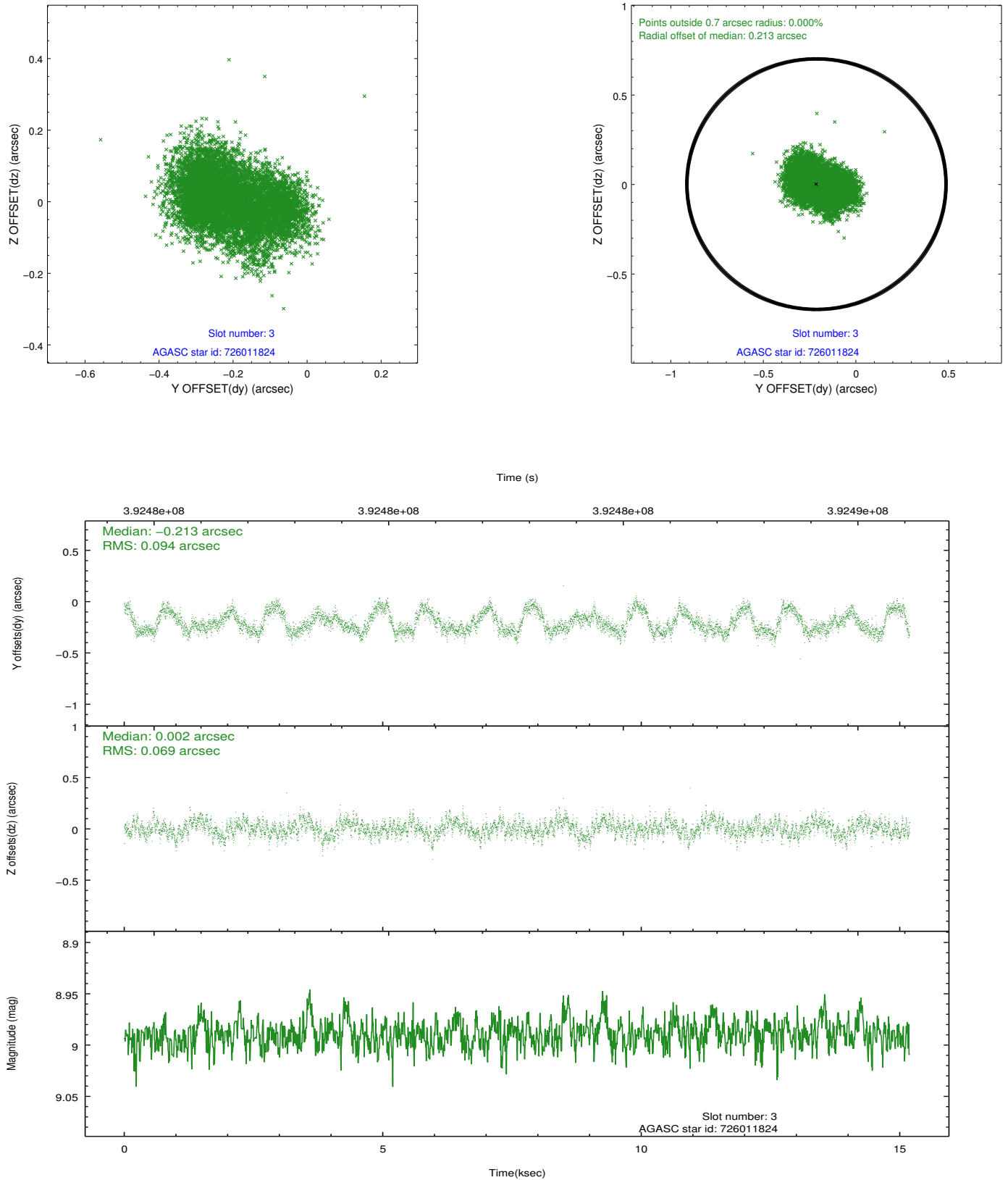


Slot Statistics

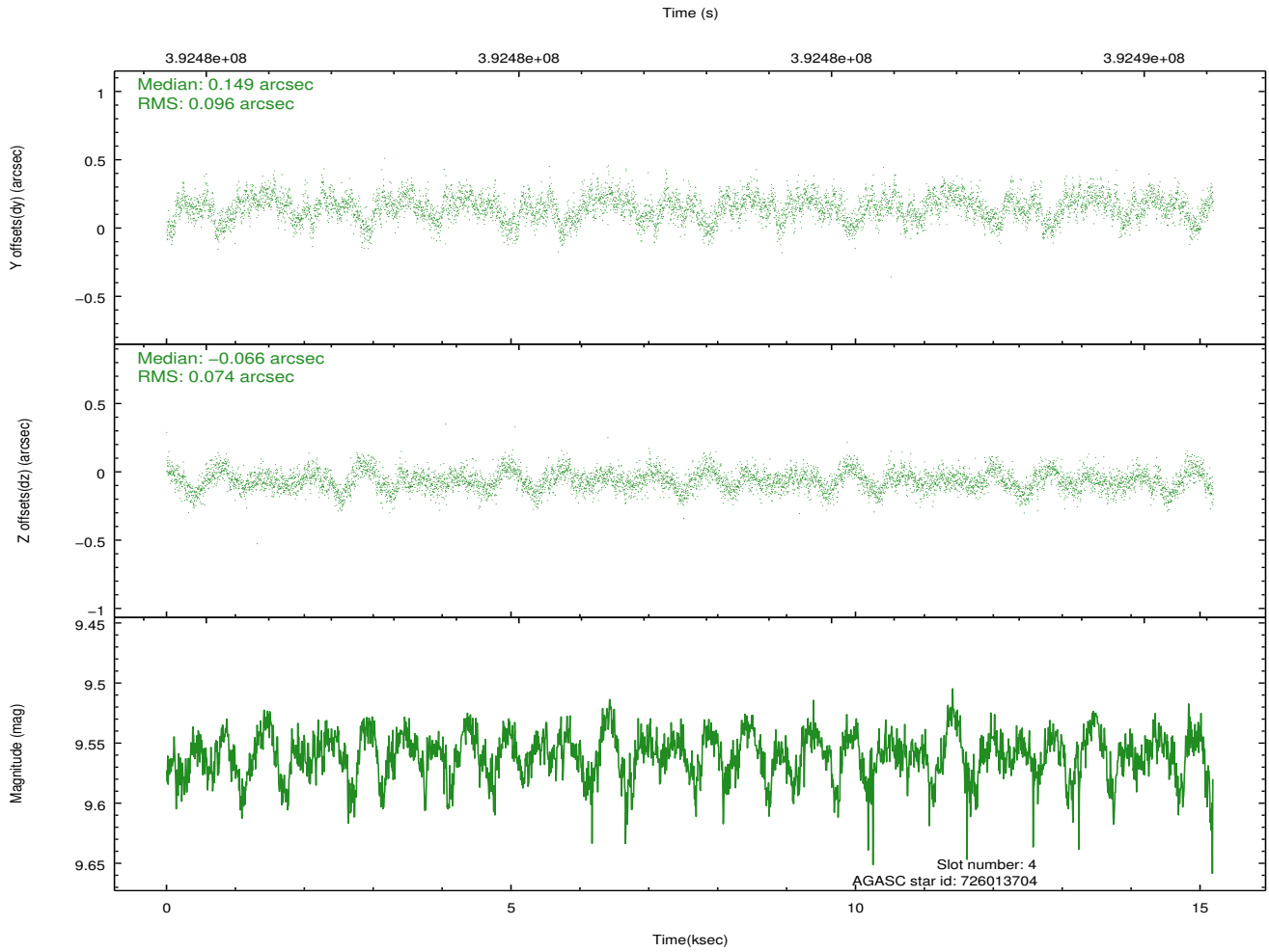
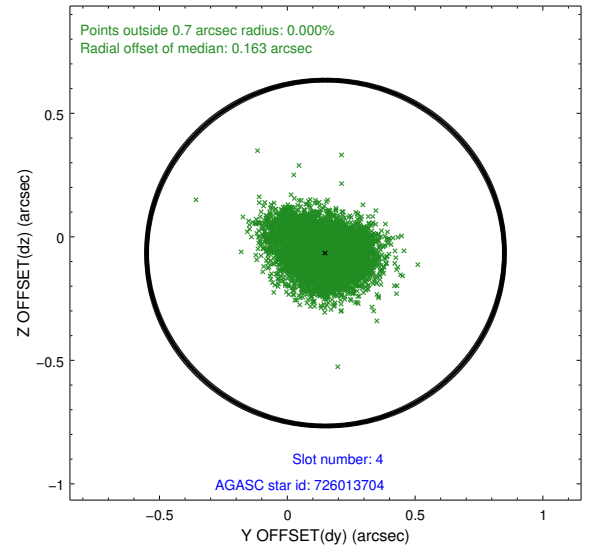
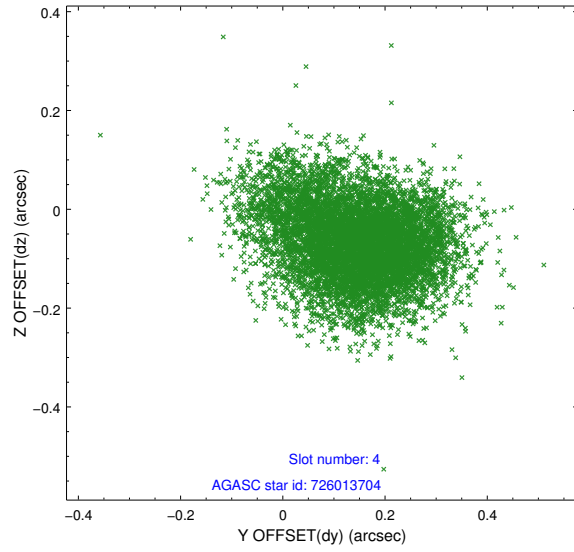
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.91	3705	-0.040	-0.038	0.012	0.020	0.000000	0.000000	-765.46	-1735.76
1	FID	ACIS-S-4	6.99	3705	0.150	0.030	0.018	0.037	0.000000	0.000000	2147.86	172.51
2	FID	ACIS-S-5	7.03	3705	-0.140	0.017	0.019	0.036	0.000000	0.000000	-1818.04	166.47
3	GUIDE	726011824	8.99	7400	-0.213	0.002	0.127	0.194	196.423844	-10.501884	164.18	1452.88
4	GUIDE	726013704	9.56	7400	0.149	-0.066	0.127	0.212	195.983528	-10.966605	2277.78	582.40
5	GUIDE	726149144	9.54	7400	-0.006	-0.065	0.109	0.179	196.621344	-10.461782	-215.22	2055.71
6	GUIDE	726150160	9.03	7405	-0.055	0.037	0.083	0.136	196.601702	-10.051442	-1575.42	1475.40
7	GUIDE	726011432	9.08	7395	0.116	0.092	0.082	0.132	196.510178	-11.028089	1831.72	2402.92

2.4 Star Slots

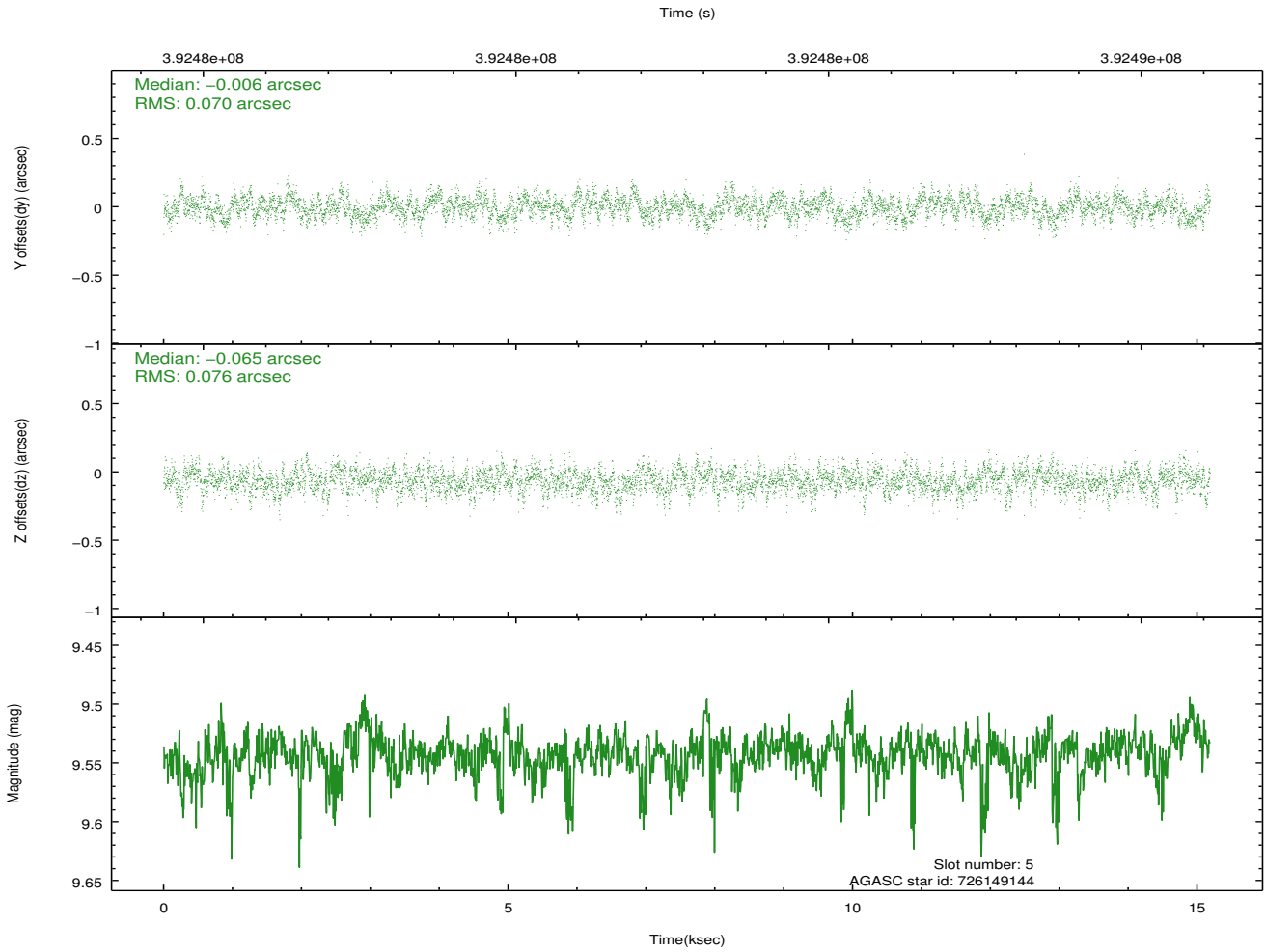
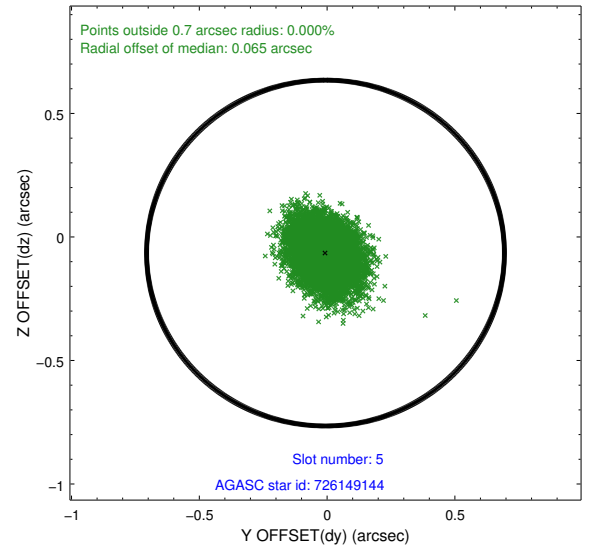
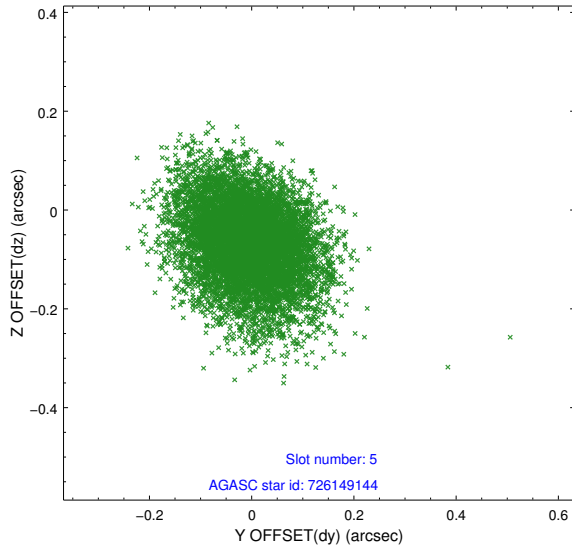
2.4.1 Slot 3



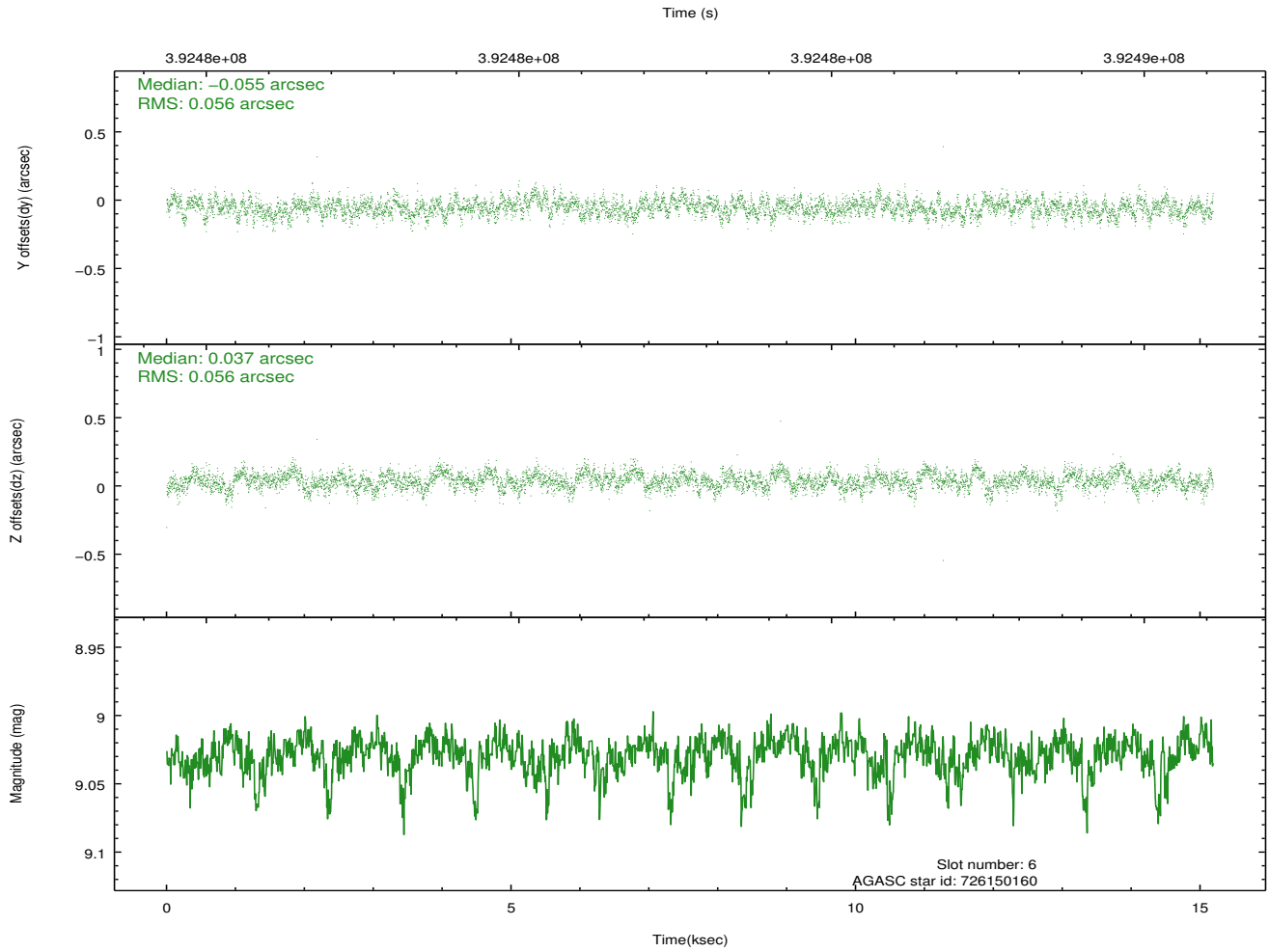
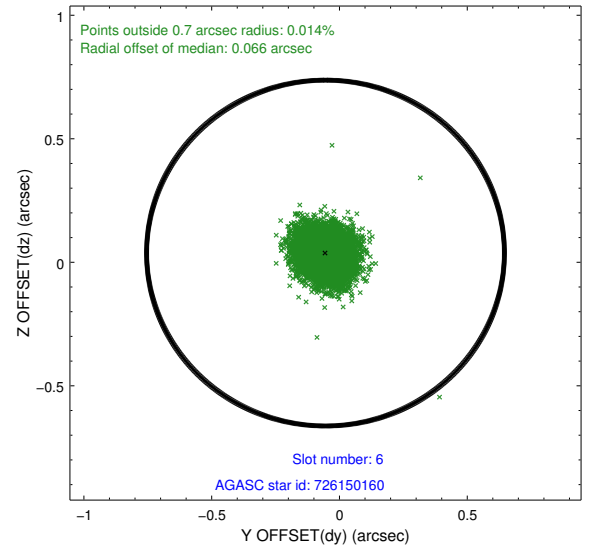
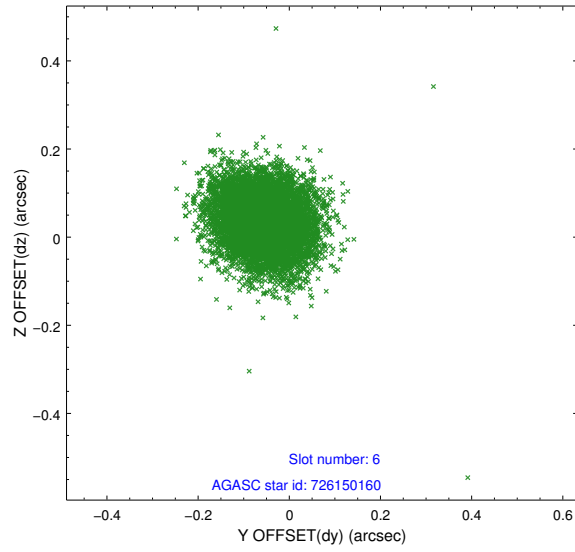
2.4.2 Slot 4



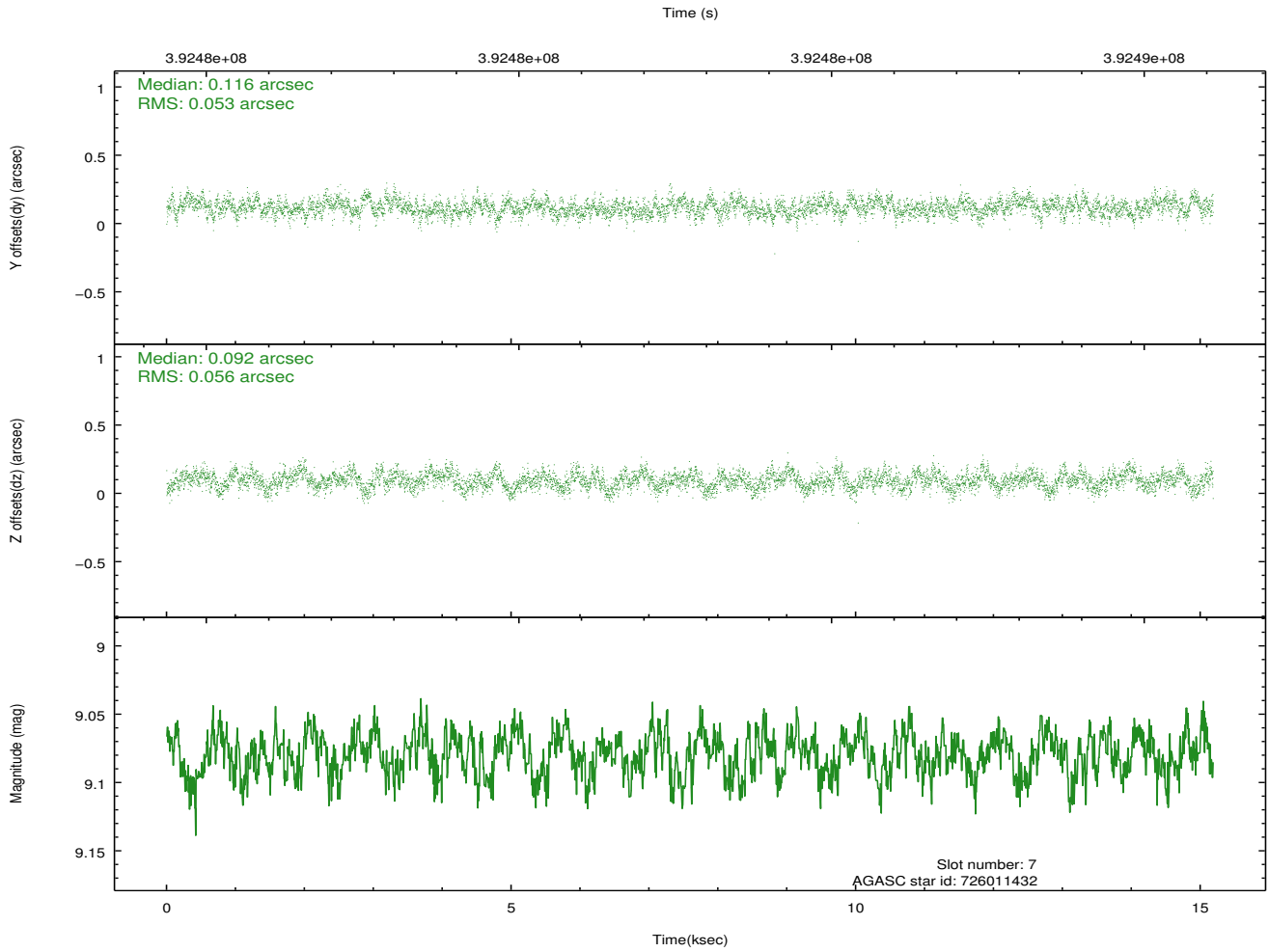
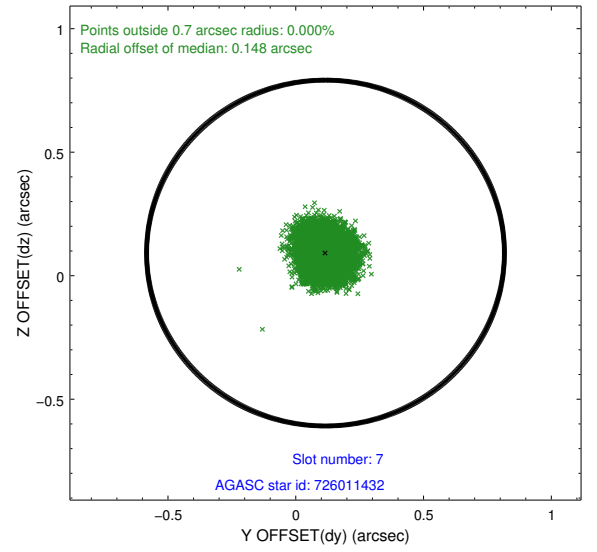
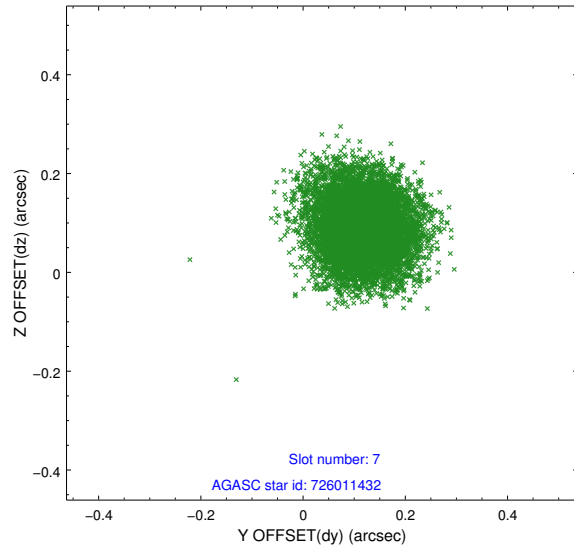
2.4.3 Slot 5



2.4.4 Slot 6

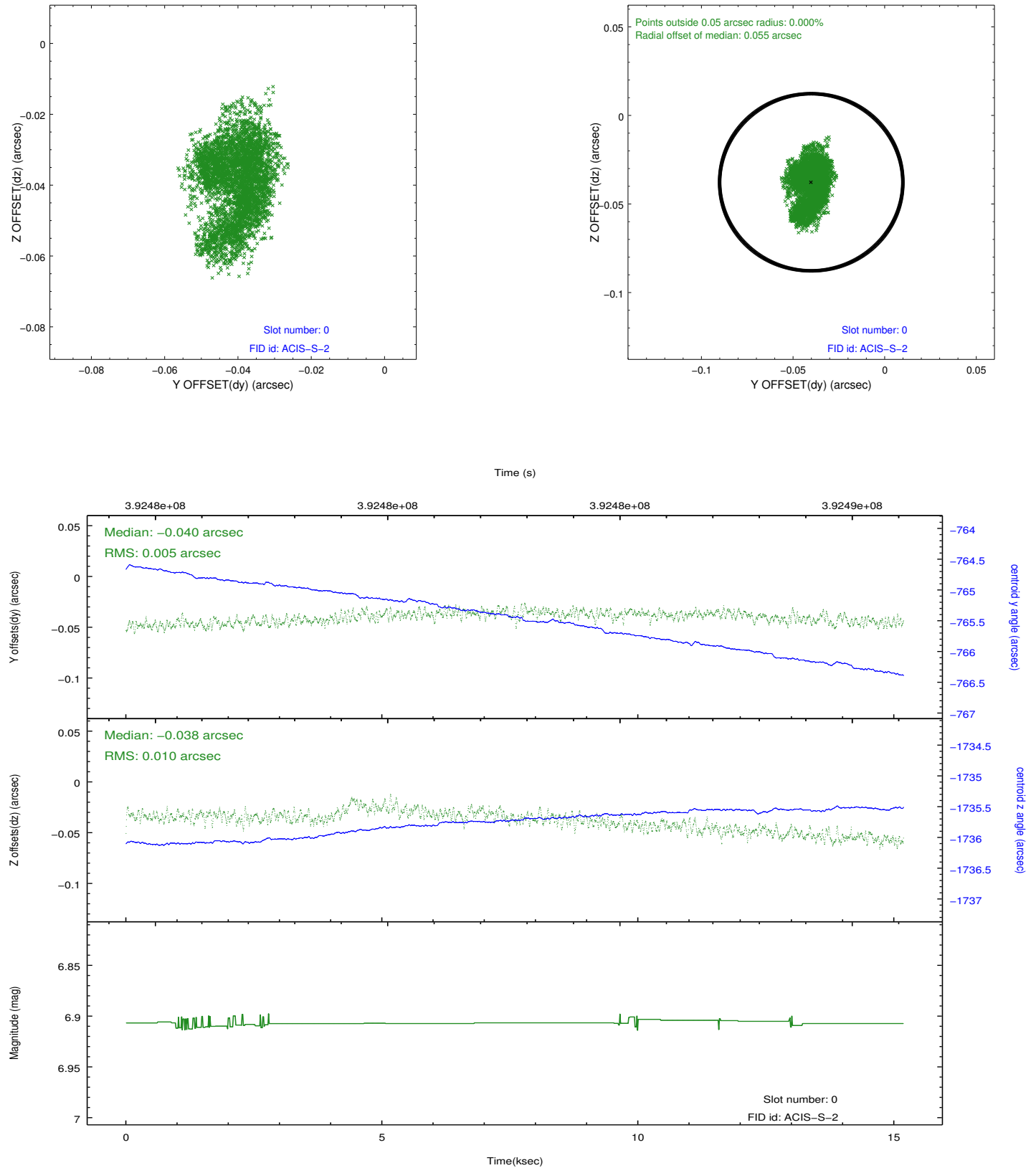


2.4.5 Slot 7

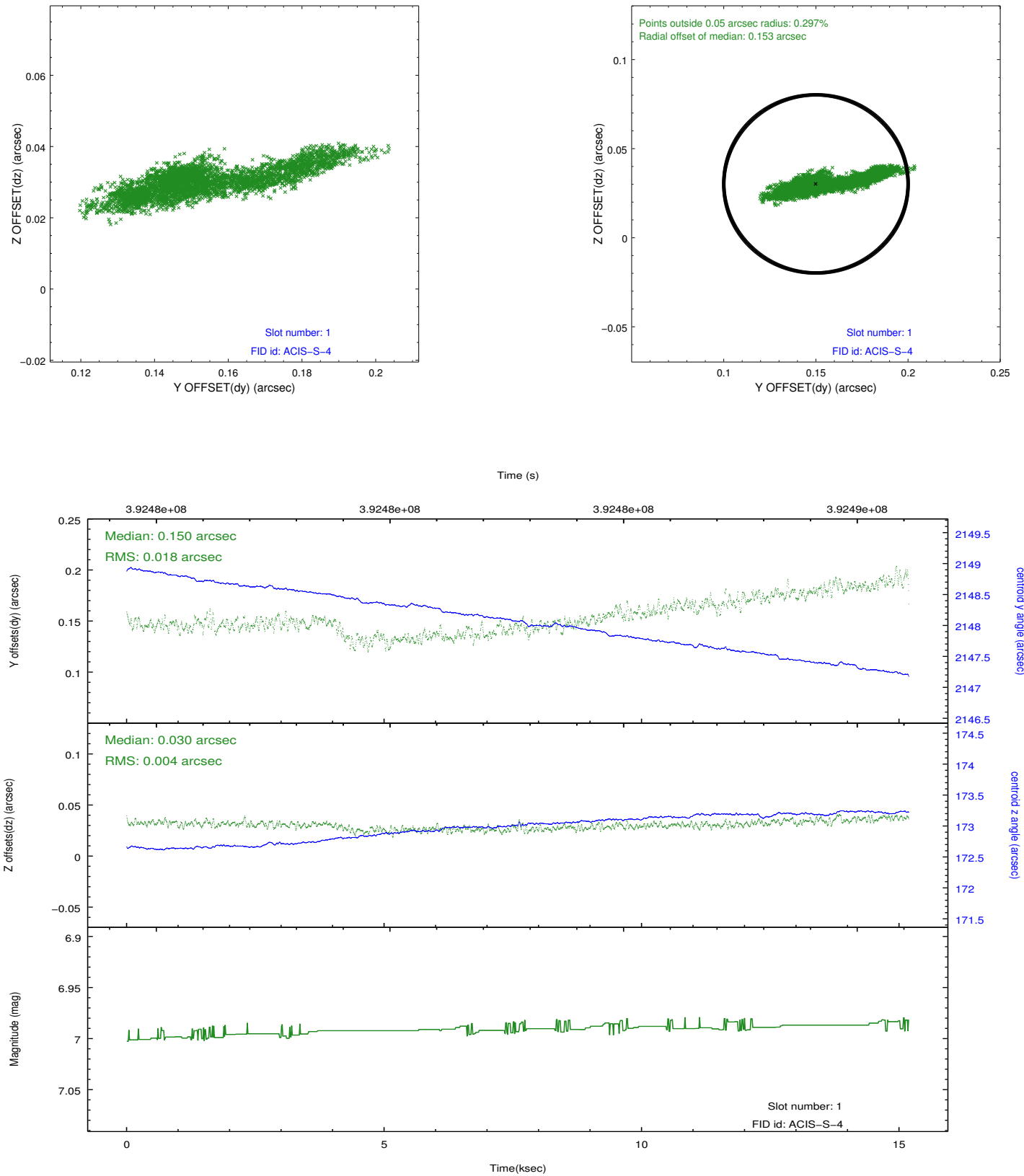


2.5 FID Slots

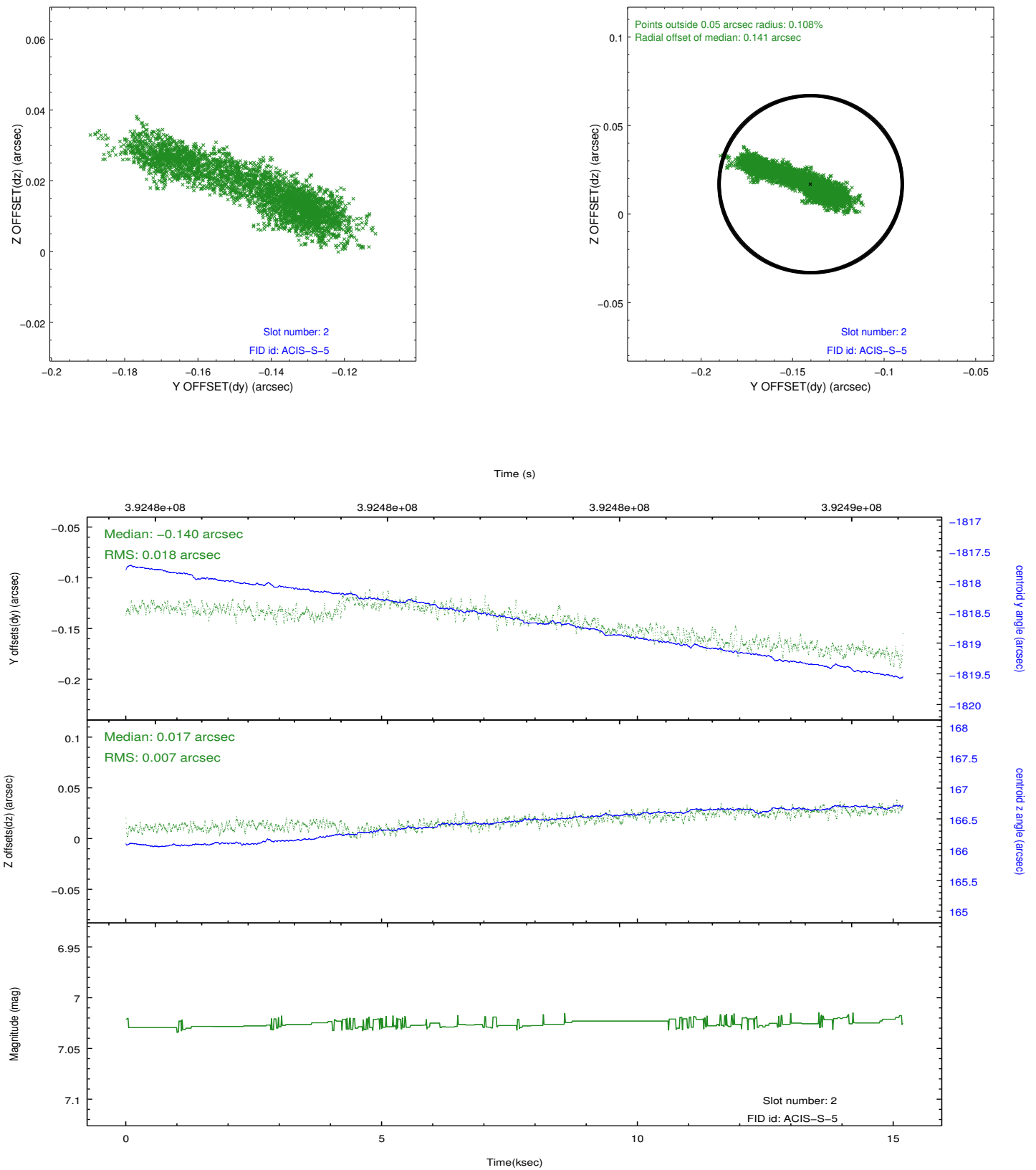
2.5.1 Slot 0



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)	2012.07.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.009143055975

A.2 Comments