

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 4726 - L2 Version 001
Chandra X-Ray Center

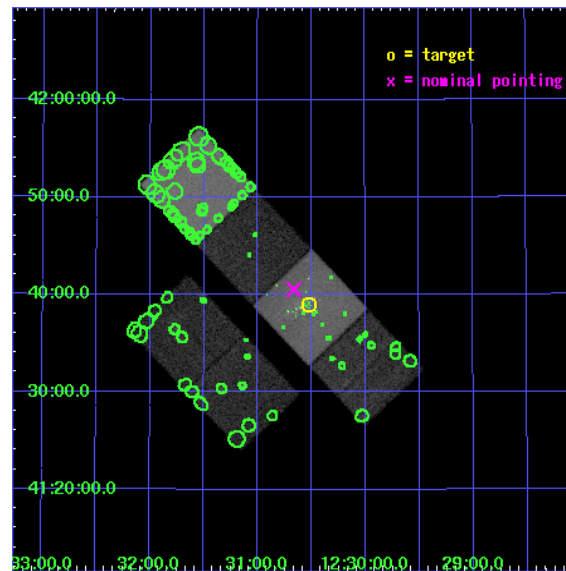
L2 Processing Date : Apr 10 2006

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1 Front

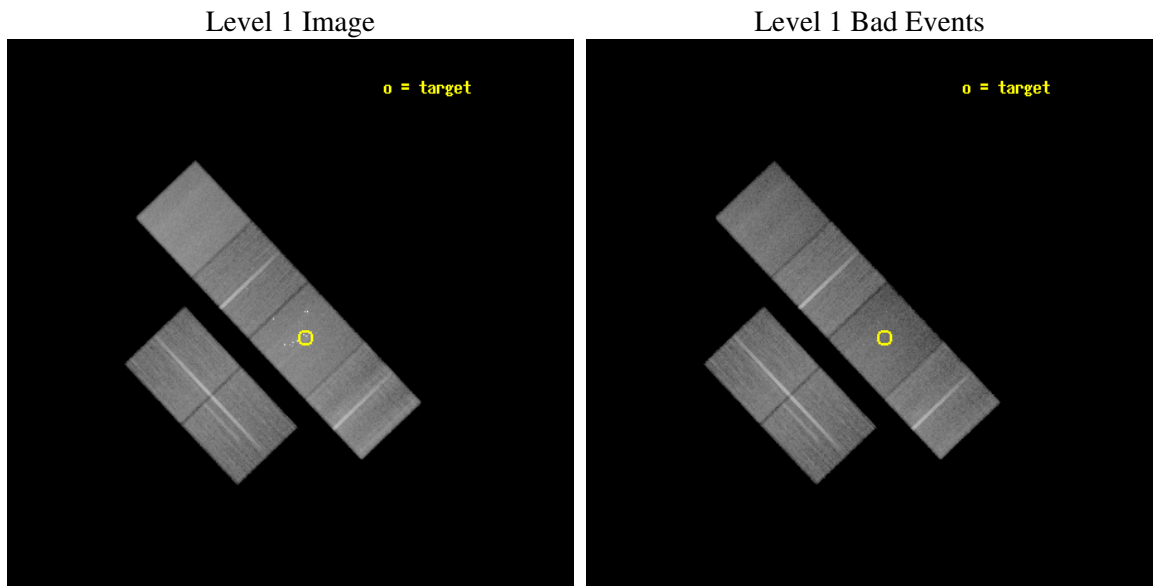
seq_num	600381
obs_id	4726
title	The ultraluminous X-ray sources of NGC 4485/4490
observer	Dr Timothy Roberts
object	NGC 4485/4490
dtcycle	0
cycle	P
ra_targ	187.63
dec_targ	41.65
ra_nom	187.66606959238
dec_nom	41.675897537606
roll_nom	46.579720003156
revision	2
ontime	40140.799850464
livetime	39632.512872869
ontime2	40140.799850464
ontime3	40137.558890164
ontime5	40140.799850464
ontime6	40140.799850464
ontime7	40140.799850464
ontime8	40137.55888018
l2events	381552



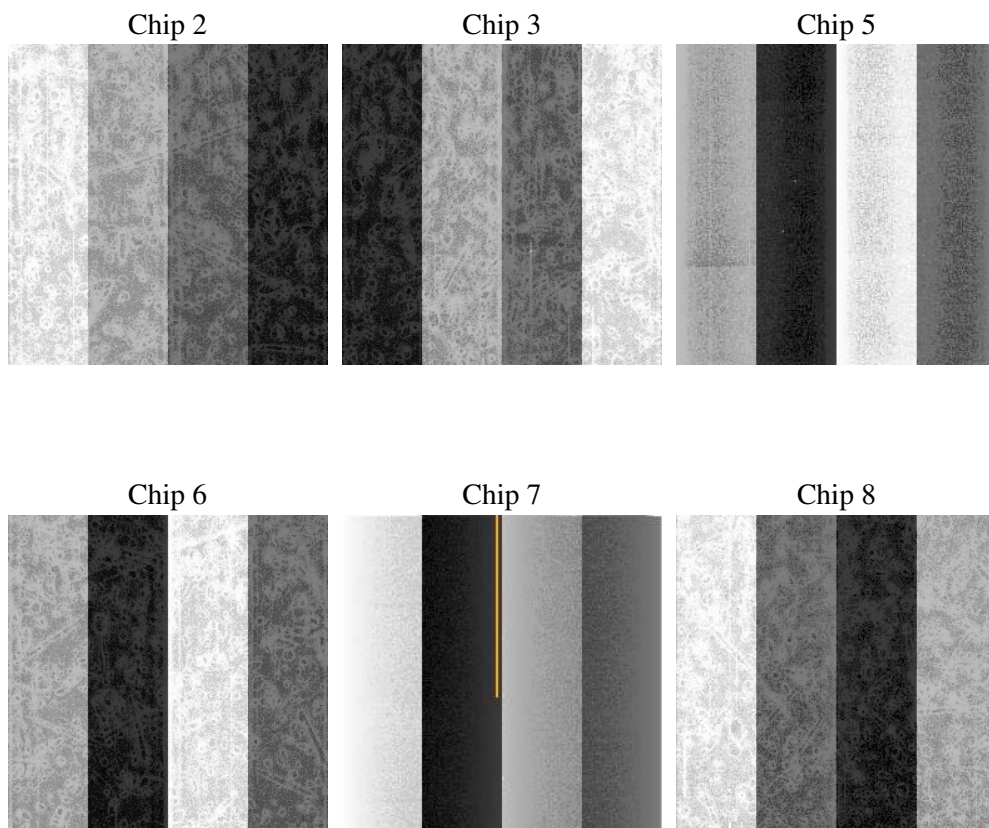
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2
ascdsver	7.6.7.1
caldsver	3.2.1
date	2006-04-10T11:10:37
revision	2

sched_exp_time	40000.000000
ontime	40463.909386098
ontime2	40463.909386098
ontime3	40460.668395907
ontime5	40463.909386098
ontime6	40463.909386098
ontime7	40463.909386098
ontime8	40460.668385923
l1events	1750433

2.1.4 Events

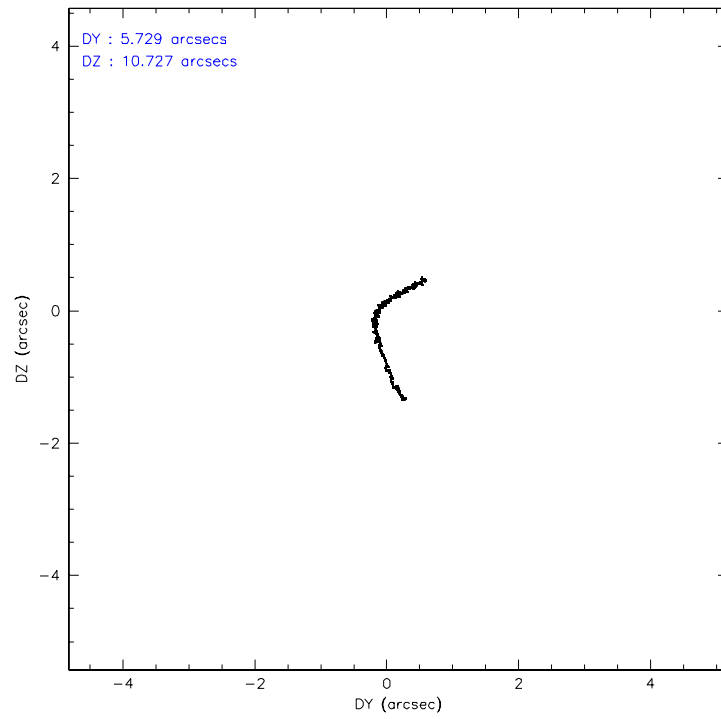
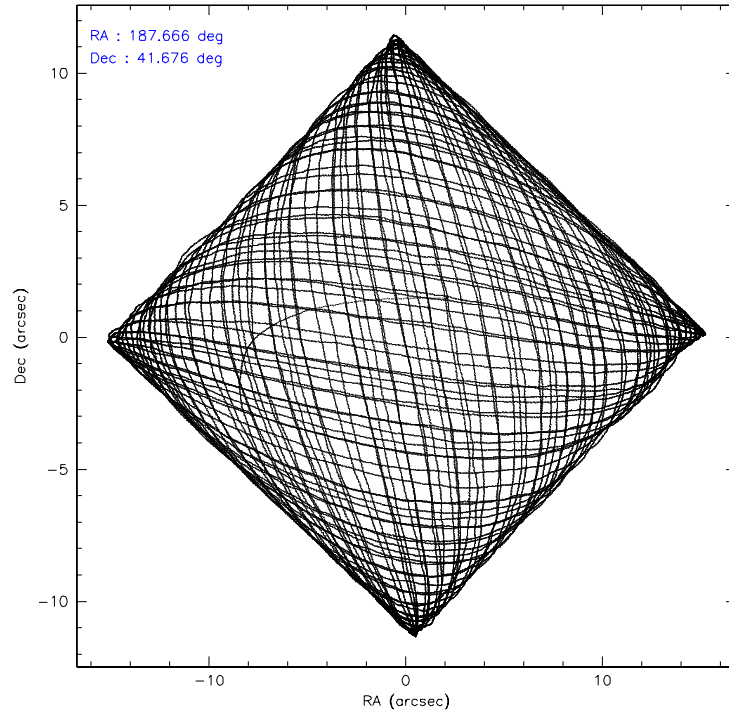
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	268833	254703	339924	262962	302178	321833
rejected events	242688	231192	181906	236678	165010	249693
rejected %	90%	90%	53%	90%	54%	77%

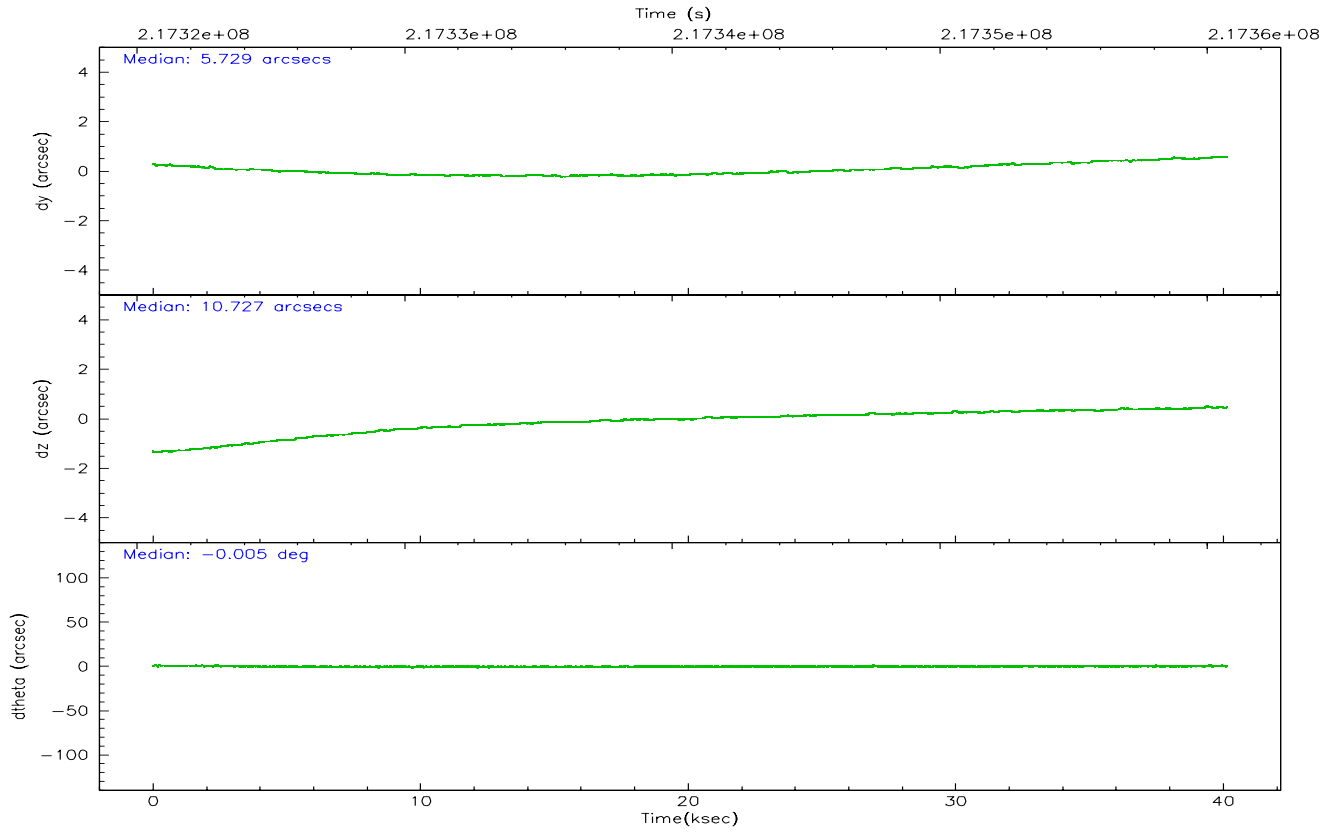
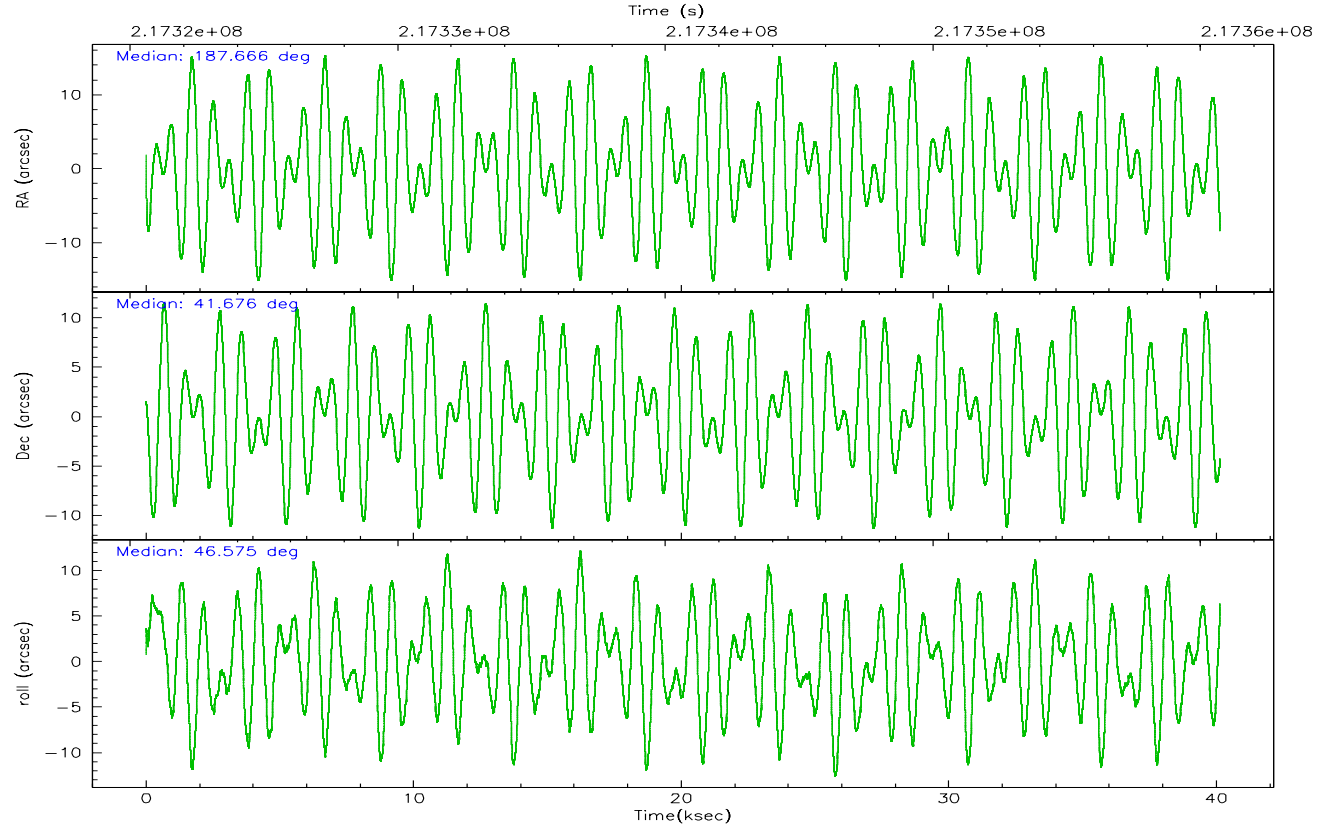
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	10013	8326	6021	8997	11928	22080
	3%	3%	1%	3%	3%	6%
grade 1 events	125	135	125	120	163	201
	0%	0%	0%	0%	0%	0%
grade 2 events	5884	5029	50750	5740	34847	16041
	2%	1%	14%	2%	11%	4%
grade 3 events	2827	2766	4217	2954	8862	7899
	1%	1%	1%	1%	2%	2%
grade 4 events	2878	2759	4054	3052	8538	7337
	1%	1%	1%	1%	2%	2%
grade 5 events	8642	9834	18240	10225	21676	14284
	3%	3%	5%	3%	7%	4%
grade 6 events	4742	4832	94300	5787	74078	19379
	1%	1%	27%	2%	24%	6%
grade 7 events	233722	221022	162217	226087	142086	234612
	86%	86%	47%	85%	47%	72%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	187.658109	187.6660695923784	Alternating exposures requested	N	N
Pointing Dec	41.649349	41.67589753760612	Primary exposure time	0.000000	3.2
Pointing Roll	46.428387	46.57972000315634			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1400660498719			
SIM translation stage offset (mm)	0	0.00754346686406393			
Observation start time	217320737.184000	217319523.36229			
Observation start date	2004-11-20T06:51:13	2004-11-20T06:32:03			
Observation end time	217360737.184000	217361364.37667			
Observation end date	2004-11-20T17:57:53	2004-11-20T18:09:24			
Read mode	TIMED	TIMED			

2.3 Aspect



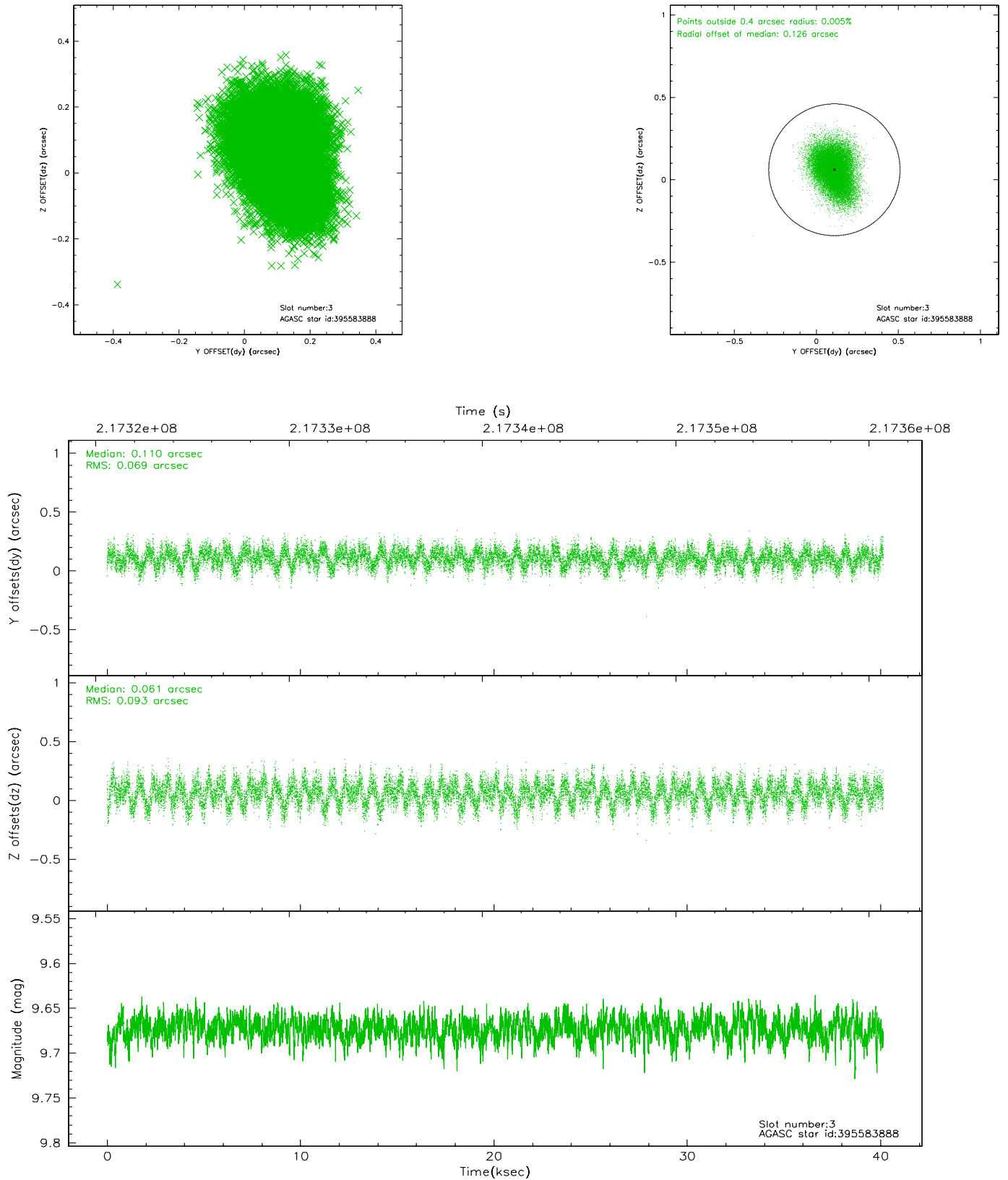


Slot Statistics

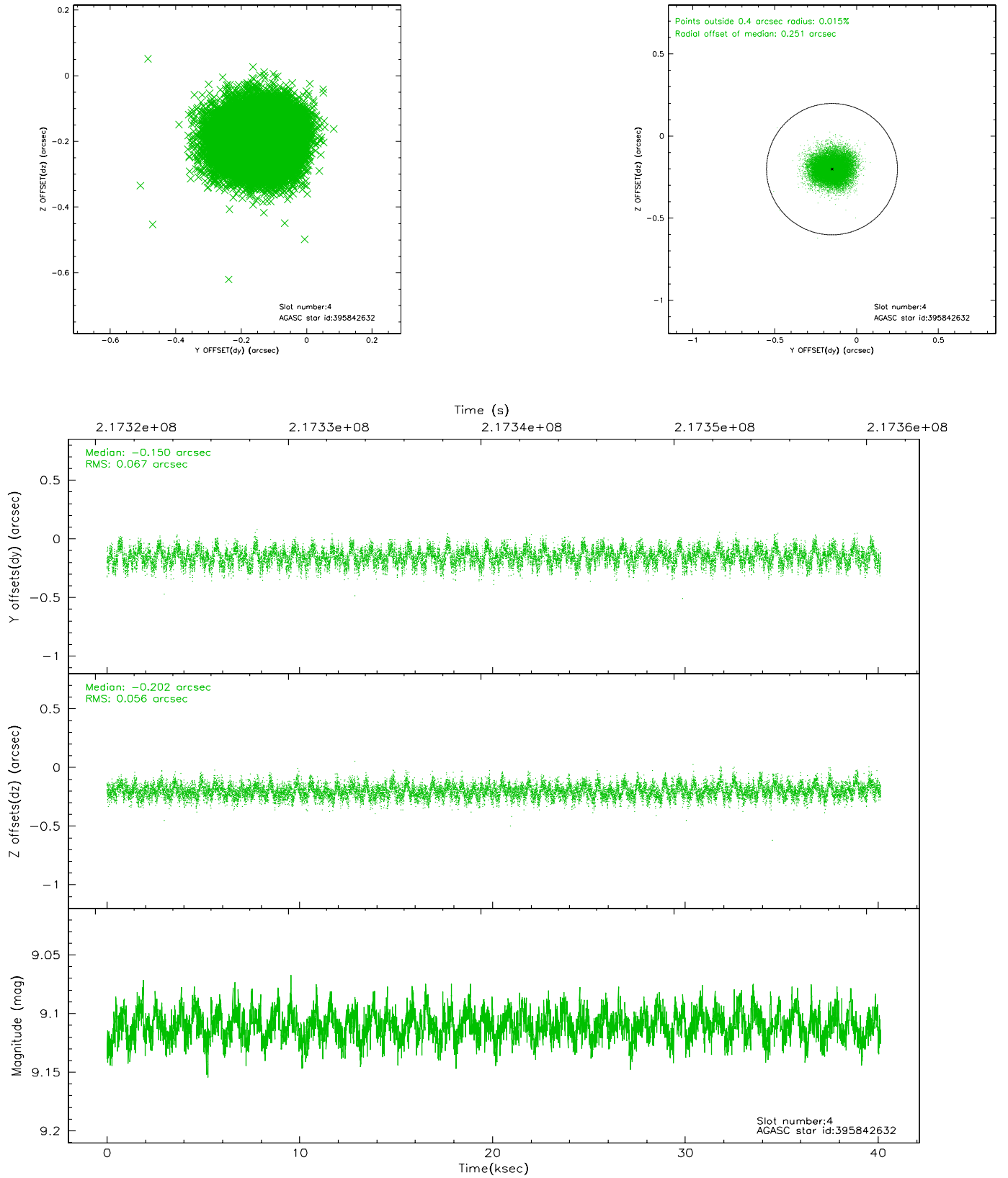
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	9791	-0.060	-0.001	0.012	0.022	0.000000	0.000000	-758.54	-1731.88
1	FID	ACIS-S-4	7.21	9791	0.069	0.029	0.015	0.022	0.000000	0.000000	2154.83	176.66
2	FID	ACIS-S-5	7.23	9792	-0.039	-0.019	0.009	0.017	0.000000	0.000000	-1811.37	170.25
3	GUIDE	395583888	9.67	19567	0.110	0.061	0.123	0.202	187.778753	41.111279	-1177.19	-1571.69
4	GUIDE	395842632	9.11	19569	-0.150	-0.202	0.095	0.147	187.414657	41.992279	446.15	1323.45
5	GUIDE	395846904	9.51	19574	-0.184	0.033	0.110	0.179	188.630312	41.670367	1867.70	-1831.41
6	GUIDE	395847744	9.56	19564	0.146	0.028	0.085	0.140	187.588656	41.269628	-1119.22	-806.10
7	GUIDE	395578096	8.45	19581	0.081	0.082	0.064	0.103	187.586419	40.830440	-2270.11	-1890.32

2.4 Star Slots

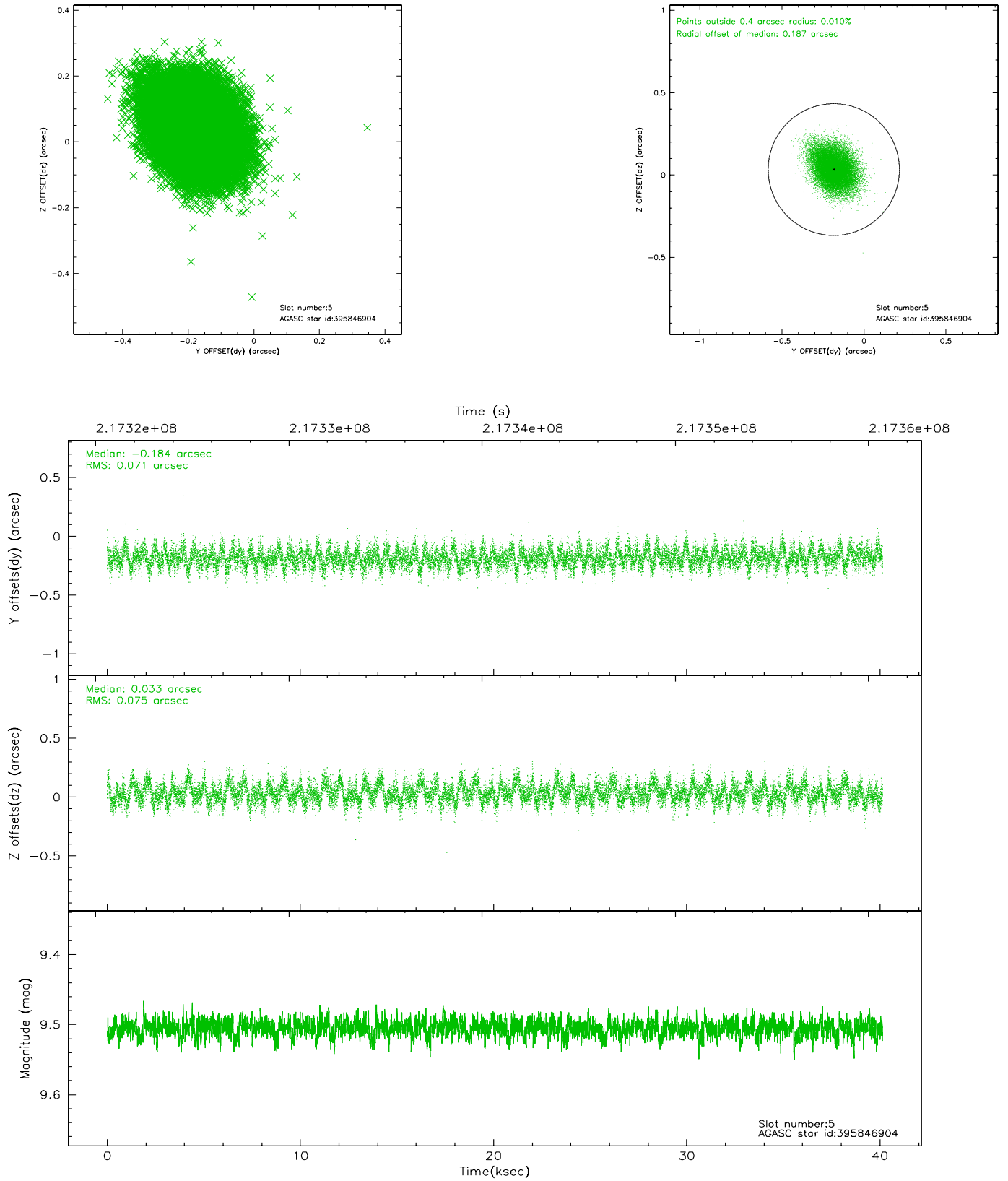
2.4.1 Slot 3



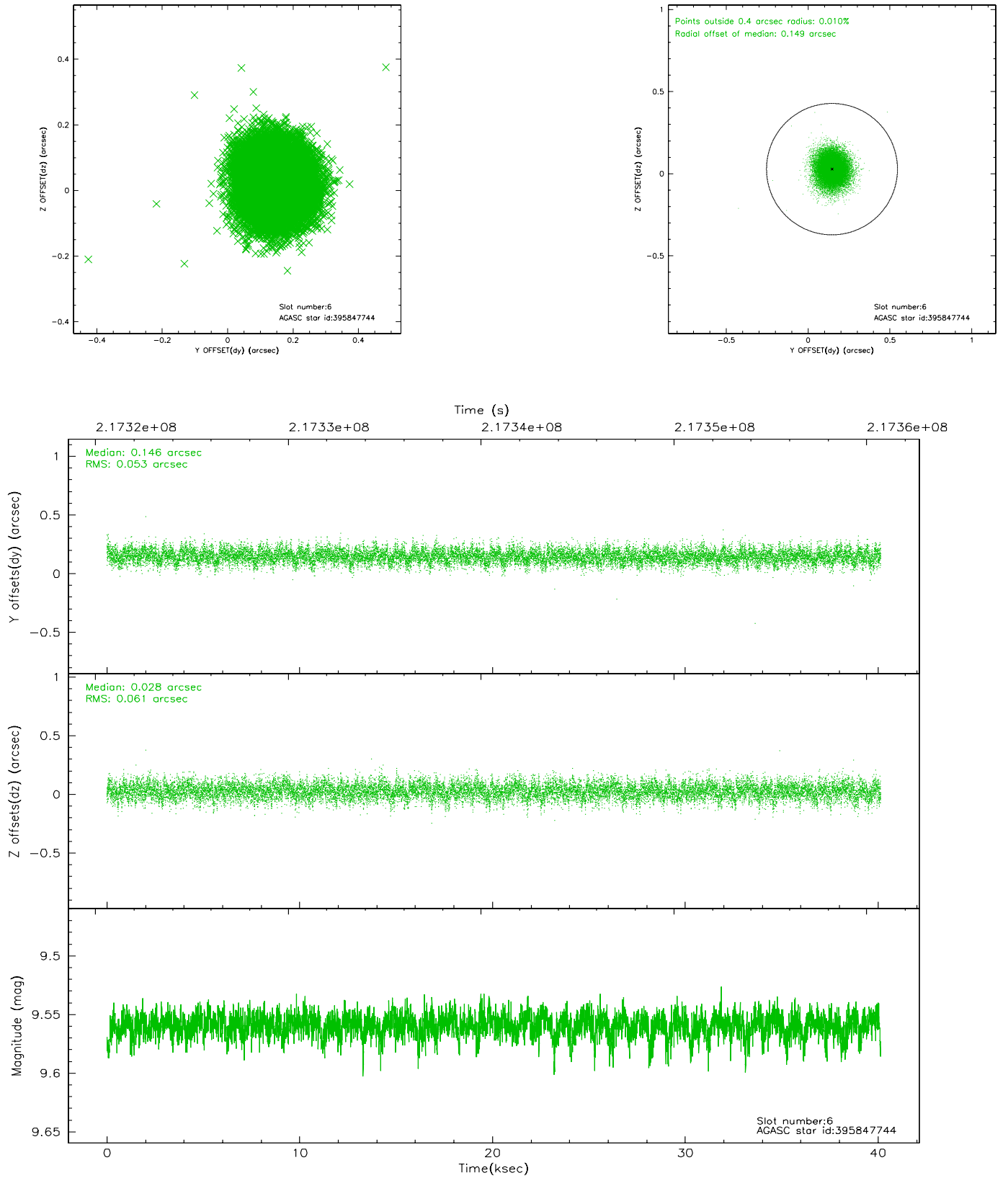
2.4.2 Slot 4



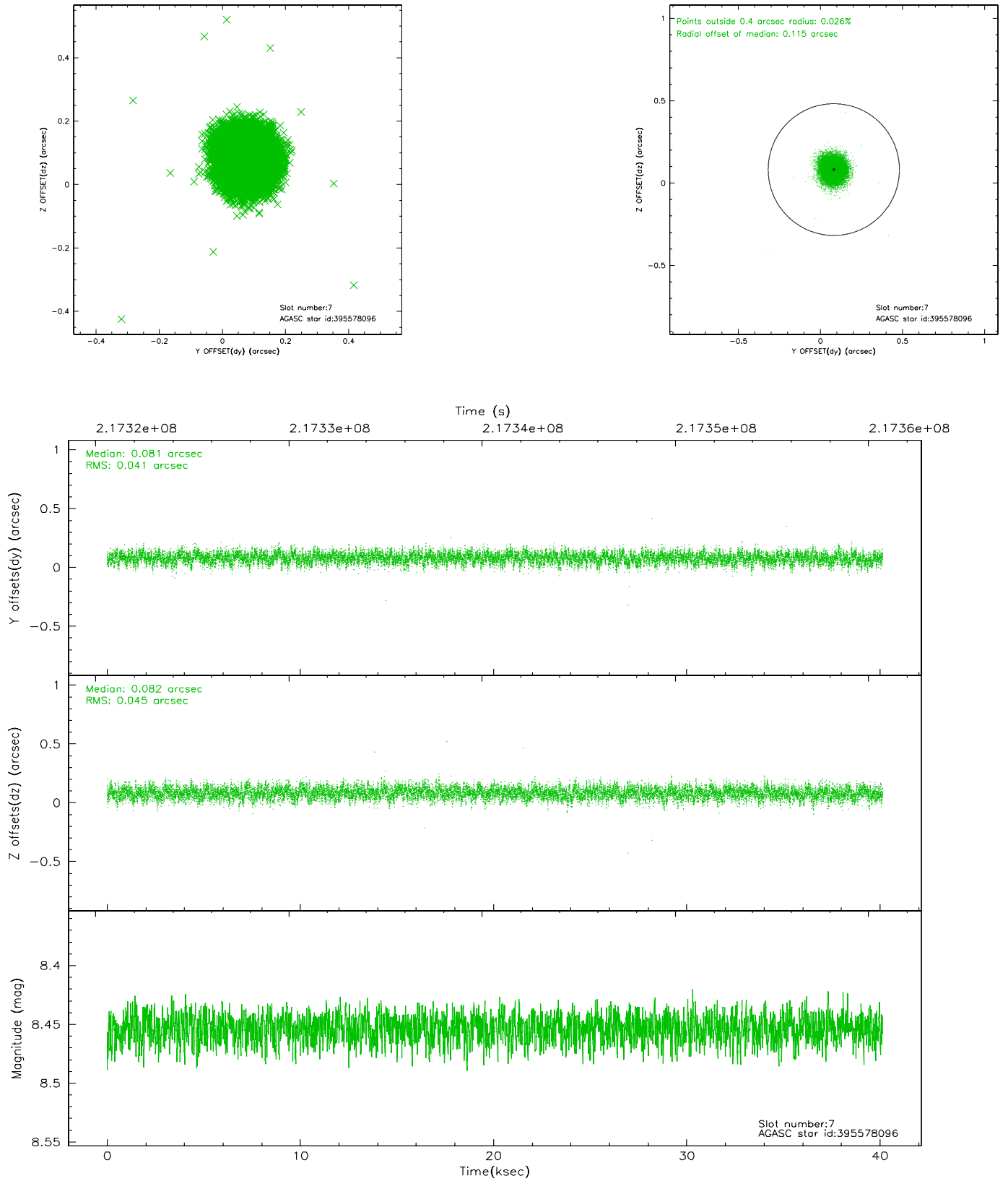
2.4.3 Slot 5



2.4.4 Slot 6

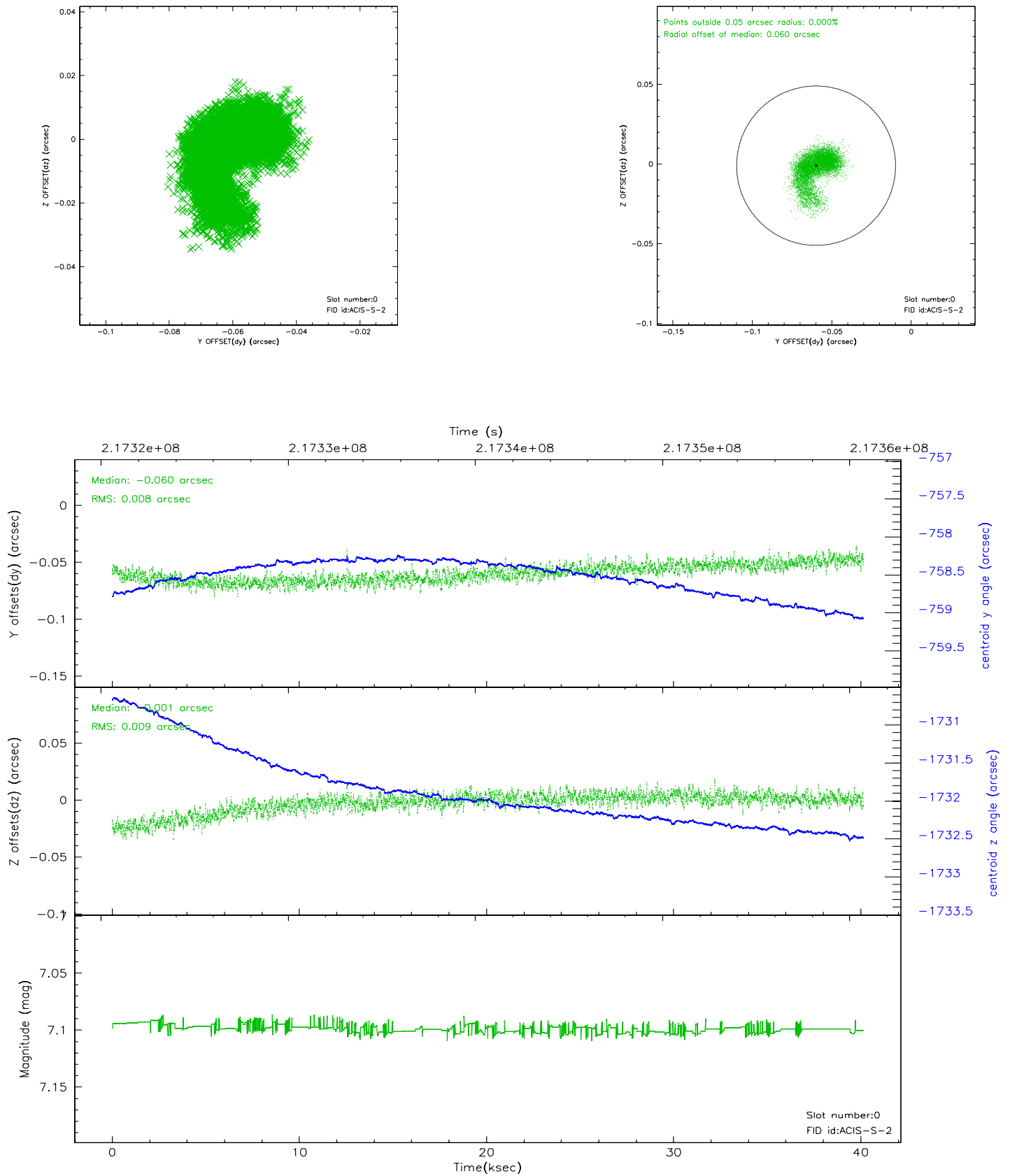


2.4.5 Slot 7

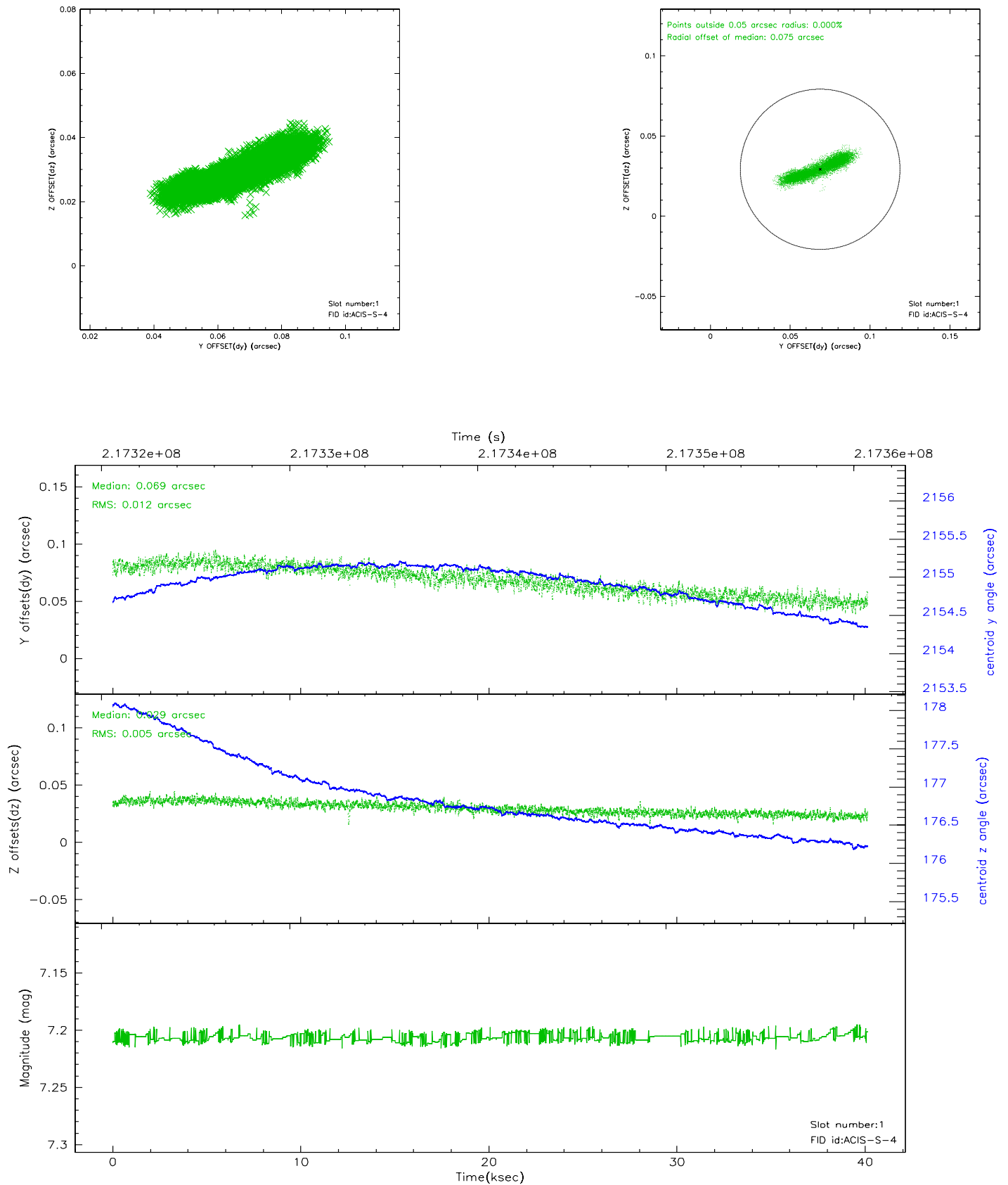


2.5 FID Slots

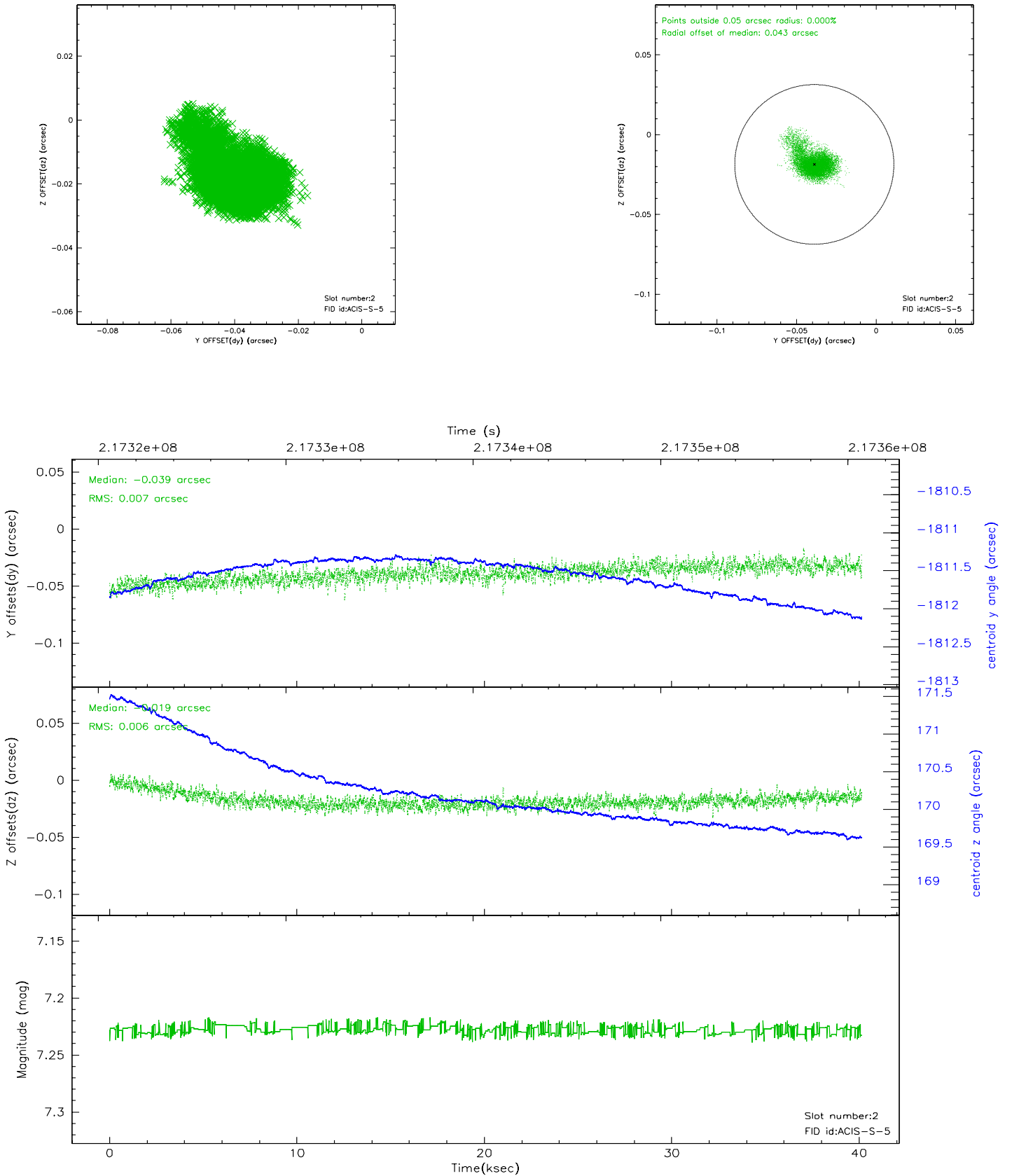
2.5.1 Slot 0



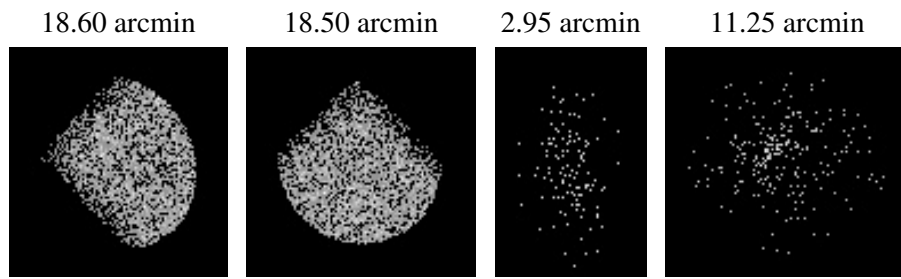
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.04.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	40.14

A.2 Comments

Focal plane temperature is elevated during initial ~2 ksec of observation.