

V&V Reference Report

L2 ASCDS Version : 7.6.8.1

Observation 3507 - L2 Version 001
Chandra X-Ray Center

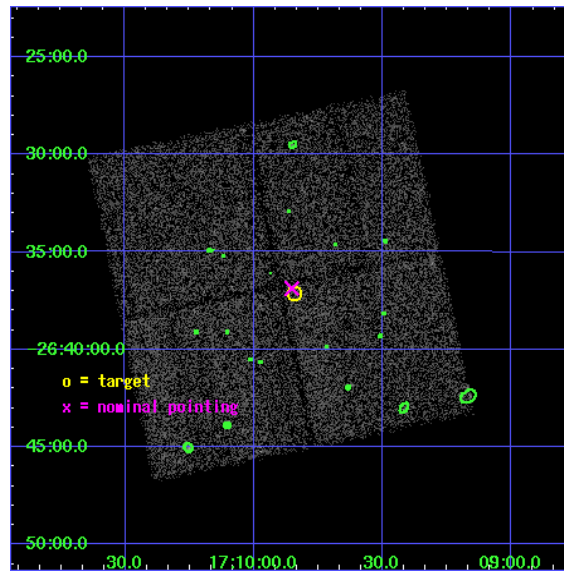
L2 Processing Date : Aug 11 2006

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1 Front

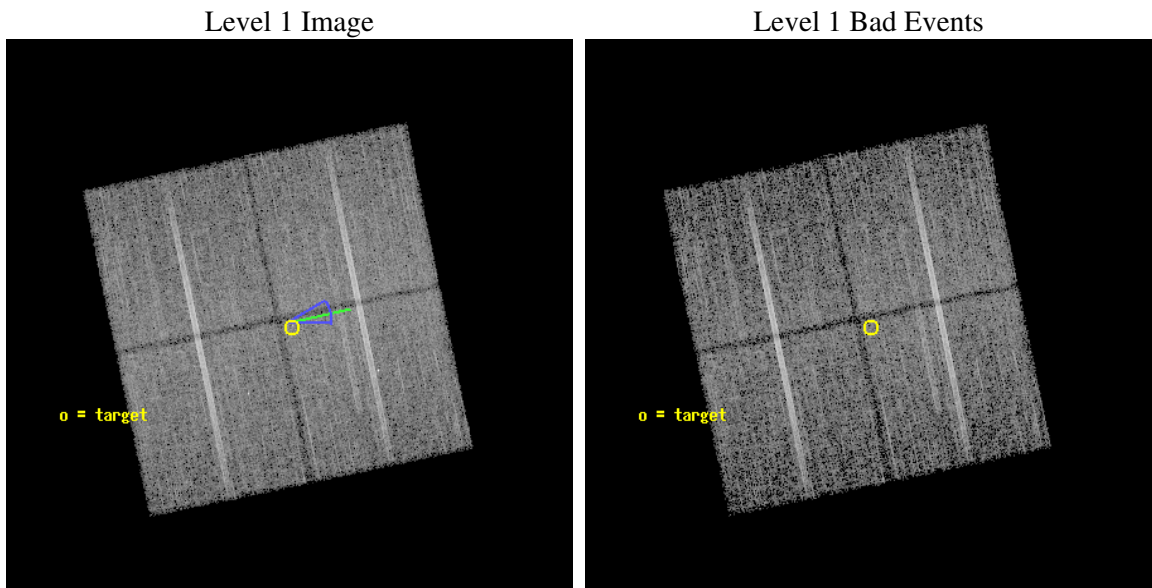
seq_num	400260
obs_id	3507
title	NEUTRON STARS IN QUIESCENCE
observer	Dr. Stephen Murray
object	XTE J1709-267
dtcycle	0
cycle	P
ra_targ	257.46
dec_targ	-26.618528
ra_nom	257.46293903082
dec_nom	-26.614711324134
roll_nom	78.219410196164
revision	2
ontime	23048.458975405
livetime	22747.313890862
ontime0	23039.035994887
ontime1	23045.317975312
ontime2	23048.458975464
ontime3	23048.458975405
l2events	46812



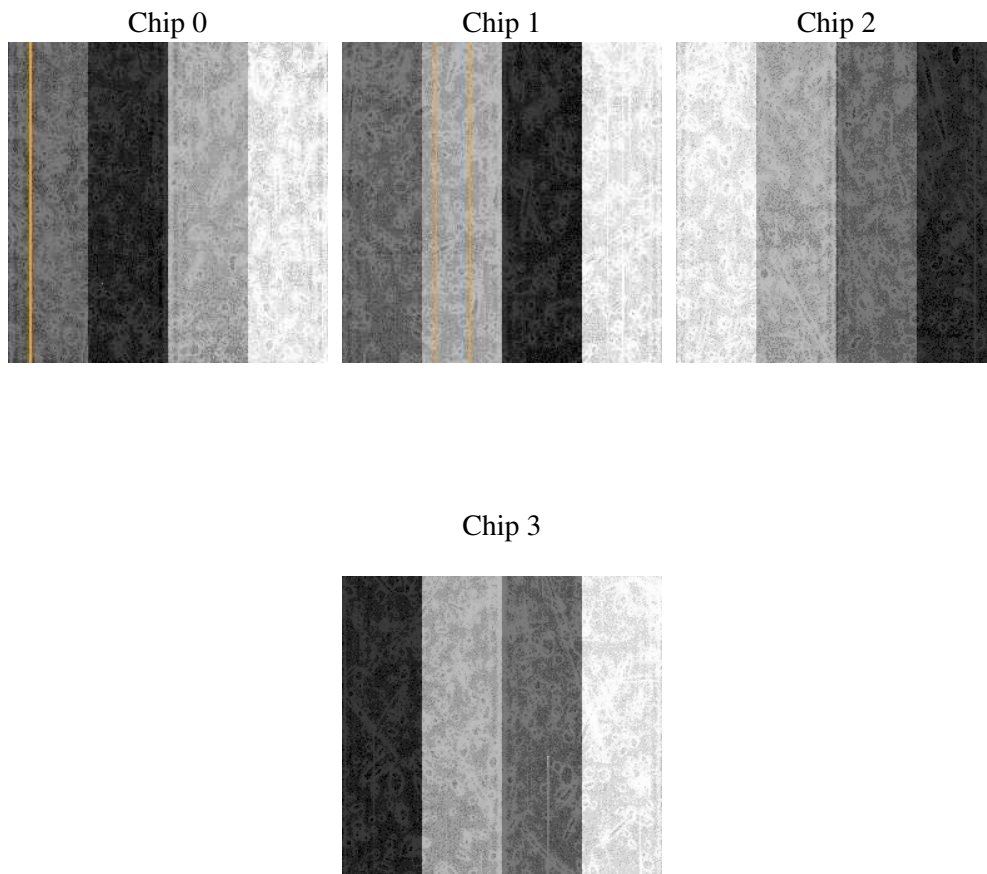
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1
ascdsver	7.6.8.1
caldbver	3.2.3
date	2006-08-11T19:07:00
revision	2

sched_exp_time	22800.000000
ontime	23051.859755188
ontime0	23042.436774671
ontime1	23048.718755096
ontime2	23051.859755248
ontime3	23051.859755188
l1events	472585

2.1.4 Events

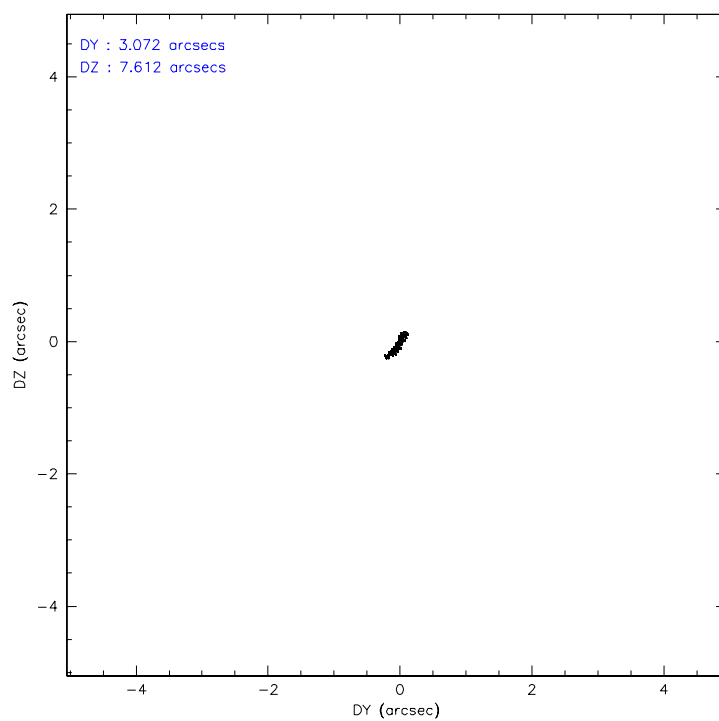
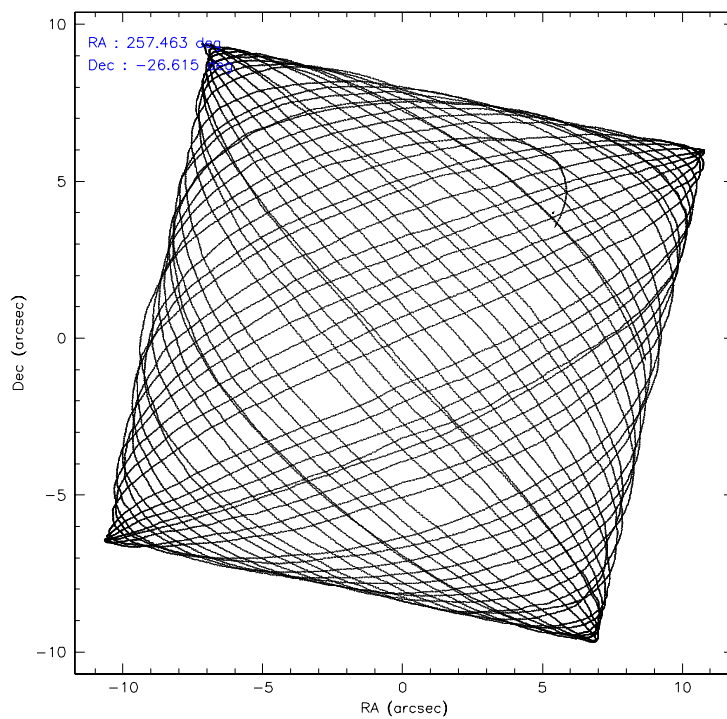
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	112144	114287	124518	121636
rejected events	98732	98910	111982	108009
rejected %	88%	86%	89%	88%

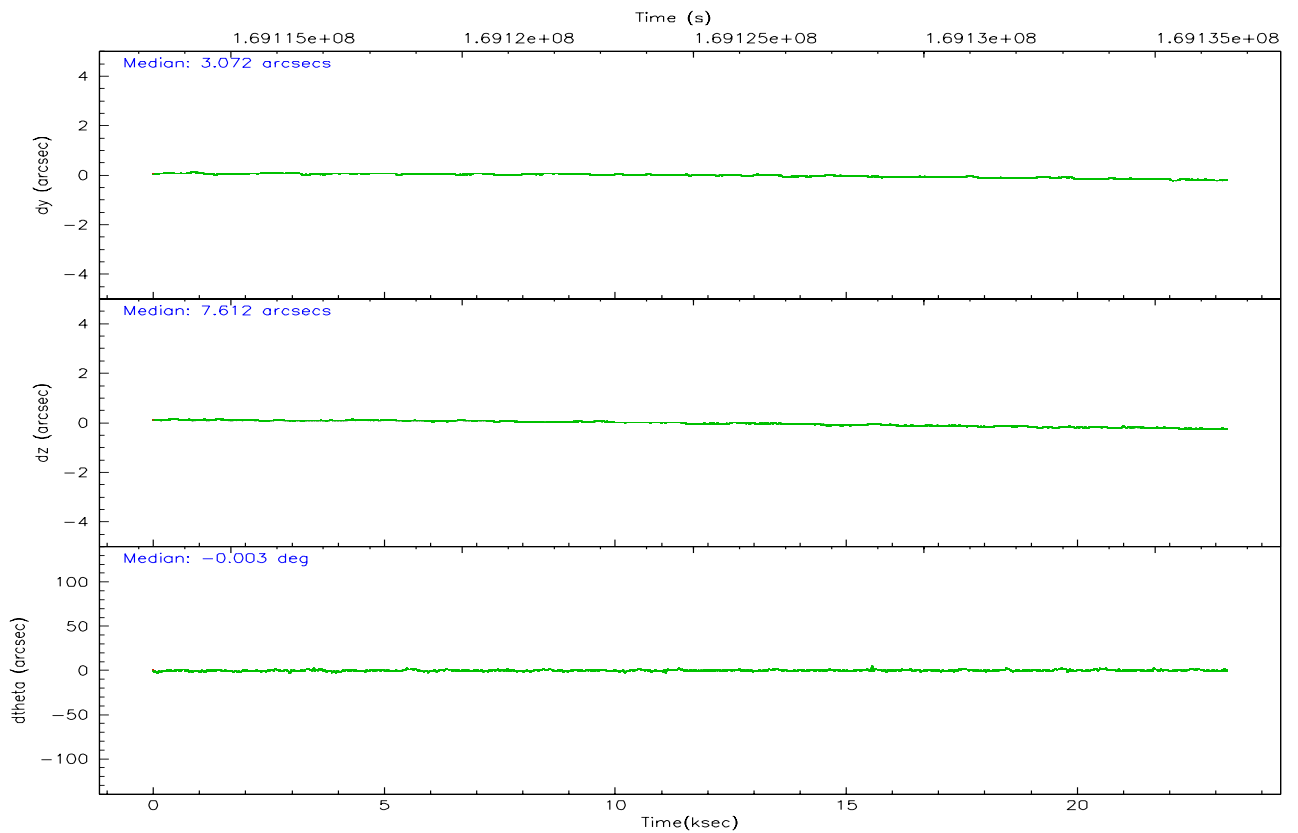
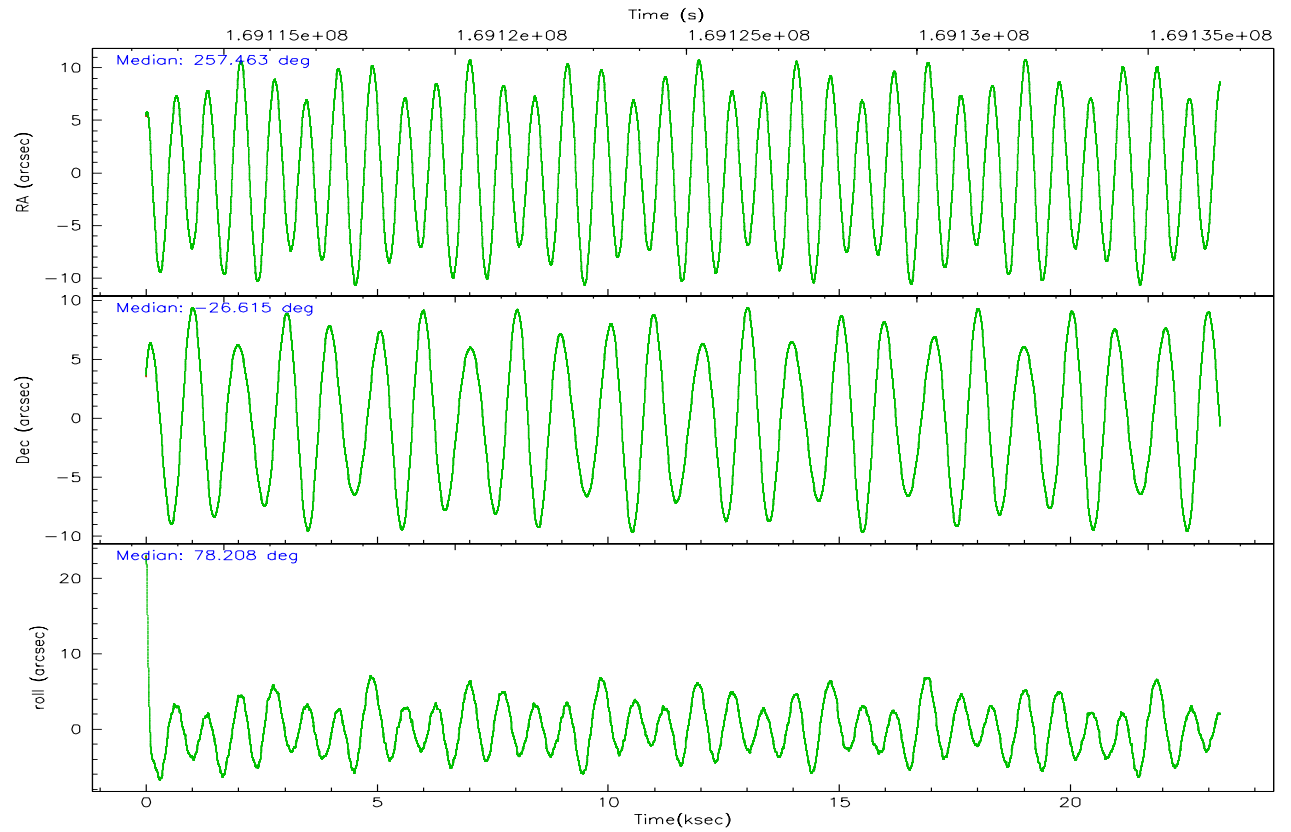
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	5357	6733	4974	6358
	4%	5%	3%	5%
grade 1 events	58	58	59	82
	0%	0%	0%	0%
grade 2 events	2862	2814	2709	2426
	2%	2%	2%	1%
grade 3 events	1466	1546	1306	1323
	1%	1%	1%	1%
grade 4 events	1339	1516	1368	1253
	1%	1%	1%	1%
grade 5 events	4175	4527	4009	4625
	3%	3%	3%	3%
grade 6 events	2390	2768	2180	2271
	2%	2%	1%	1%
grade 7 events	94497	94325	107913	103298
	84%	82%	86%	84%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-0123	ACIS-0123	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	257.472657	257.4629390308228	Alternating exposures requested	N	N
Pointing Dec	-26.640690	-26.61471132413386	Primary exposure time	0.000000	3.1
Pointing Roll	78.015065	78.21941019616403			
Roll angle	76.000000	76.000000			
Roll tolerance	16.000000	16.000000			
Roll constraint allows 180D rotation	N	N			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-233.592463	-233.5874344608287			
SIM translation stage offset (mm)	0	-0.005018542100998502			
Observation start time	169113757.184000	169112666.30721			
Observation start date	2003-05-12T08:01:33	2003-05-12T07:44:26			
Observation end time	169136557.184000	169137132.03325			
Observation end date	2003-05-12T14:21:33	2003-05-12T14:32:12			
Read mode	TIMED	TIMED			

2.3 Aspect



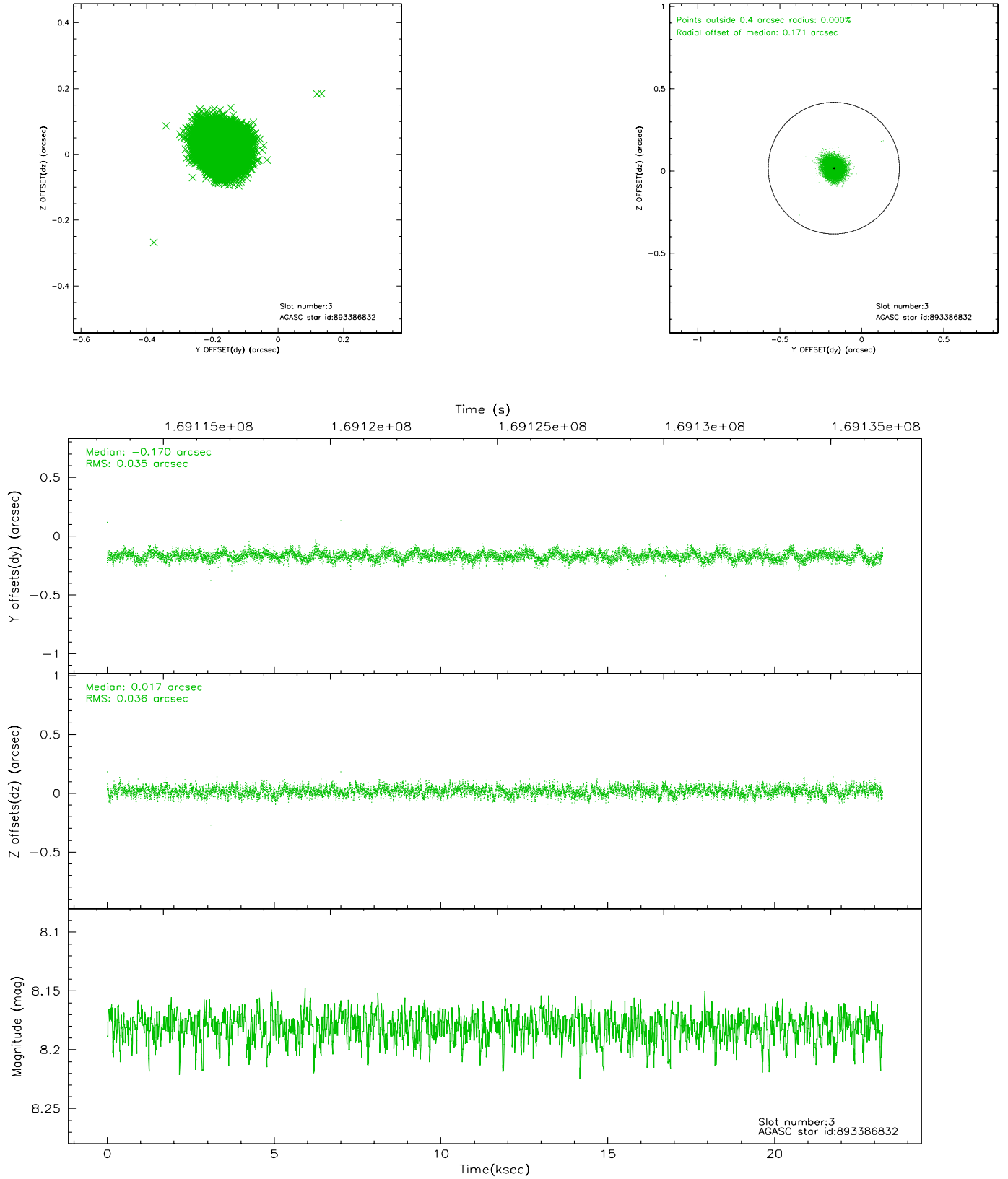


Slot Statistics

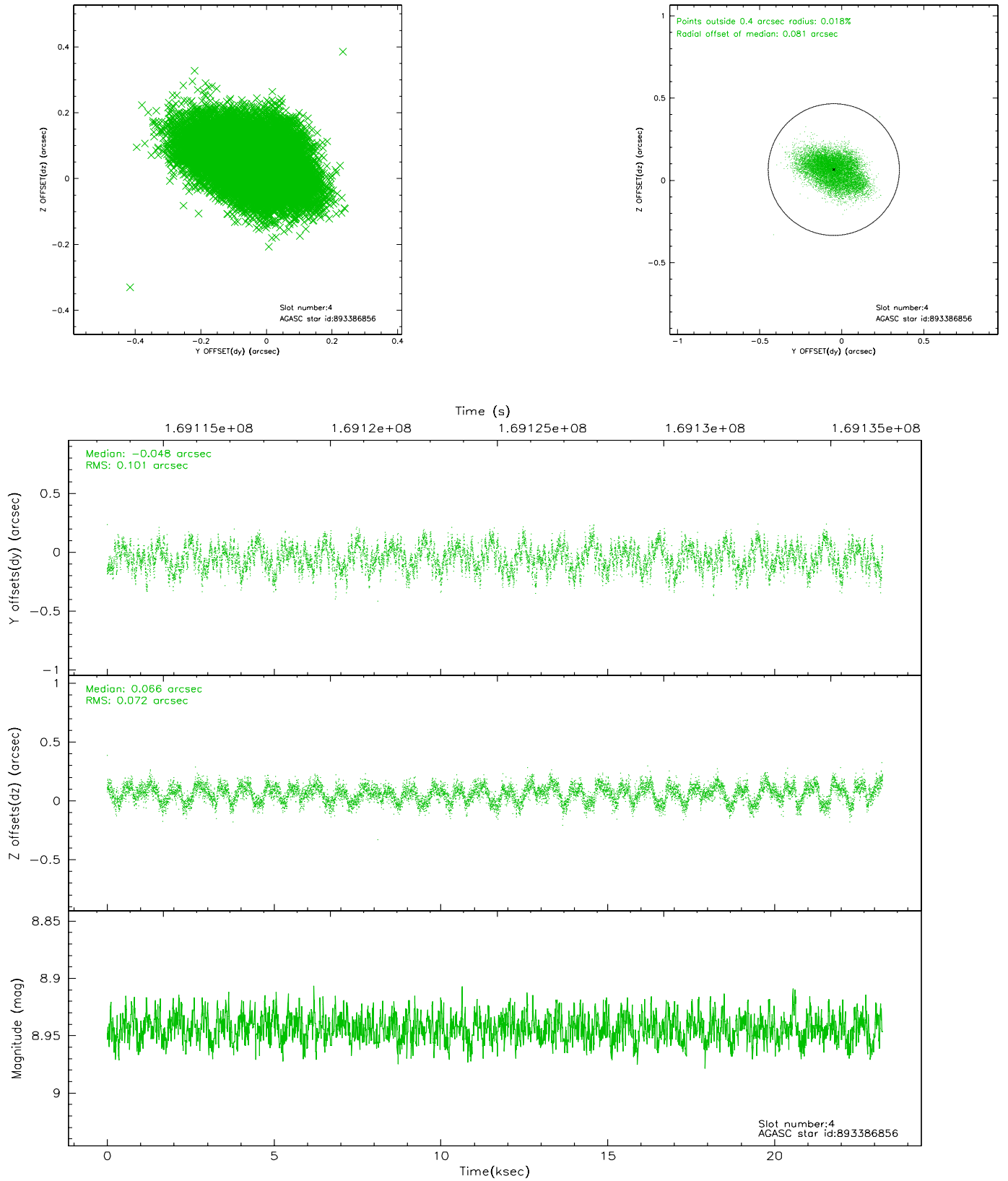
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.15	5670	-0.033	-0.043	0.013	0.023	0.000000	0.000000	-757.46	-837.41
1	FID	ACIS-I-4	7.17	5671	0.019	0.039	0.007	0.012	0.000000	0.000000	2156.58	1068.80
2	FID	ACIS-I-5	7.23	5670	-0.086	0.073	0.012	0.019	0.000000	0.000000	-1811.17	1066.81
3	GUIDE	893386832	8.18	11341	-0.170	0.017	0.054	0.085	257.635339	-26.245087	1501.90	-217.99
4	GUIDE	893386856	8.94	11339	-0.048	0.066	0.133	0.213	258.323899	-26.169480	2222.33	-2339.74
5	GUIDE	893802864	9.22	11332	0.164	0.038	0.111	0.177	257.166026	-26.651875	-245.12	956.07
6	GUIDE	893837592	9.30	11324	-0.084	-0.161	0.104	0.169	256.924631	-26.316123	771.72	1971.69
7	GUIDE	893913752	8.69	11339	0.134	0.051	0.061	0.102	257.717246	-26.451689	829.02	-629.78

2.4 Star Slots

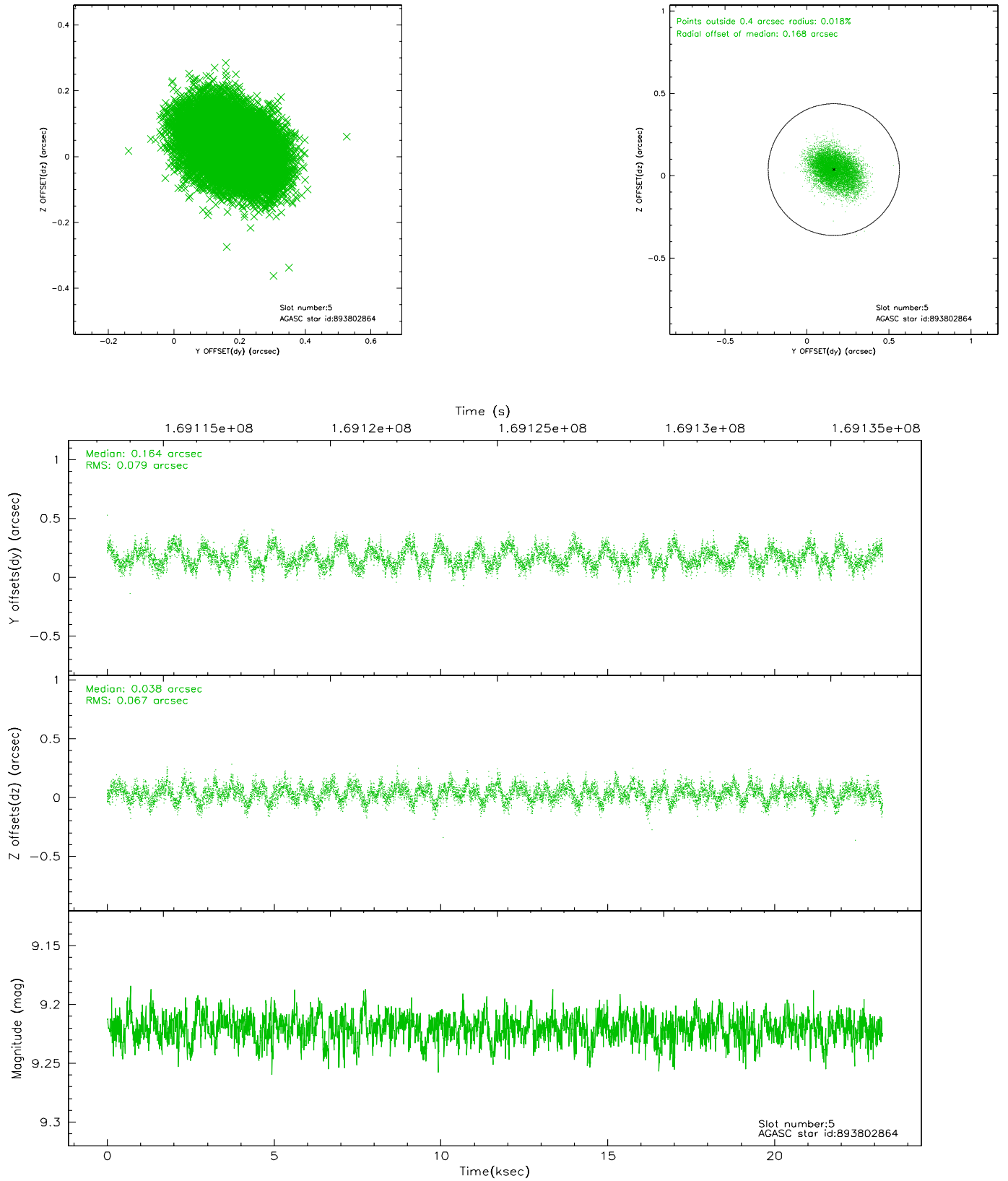
2.4.1 Slot 3



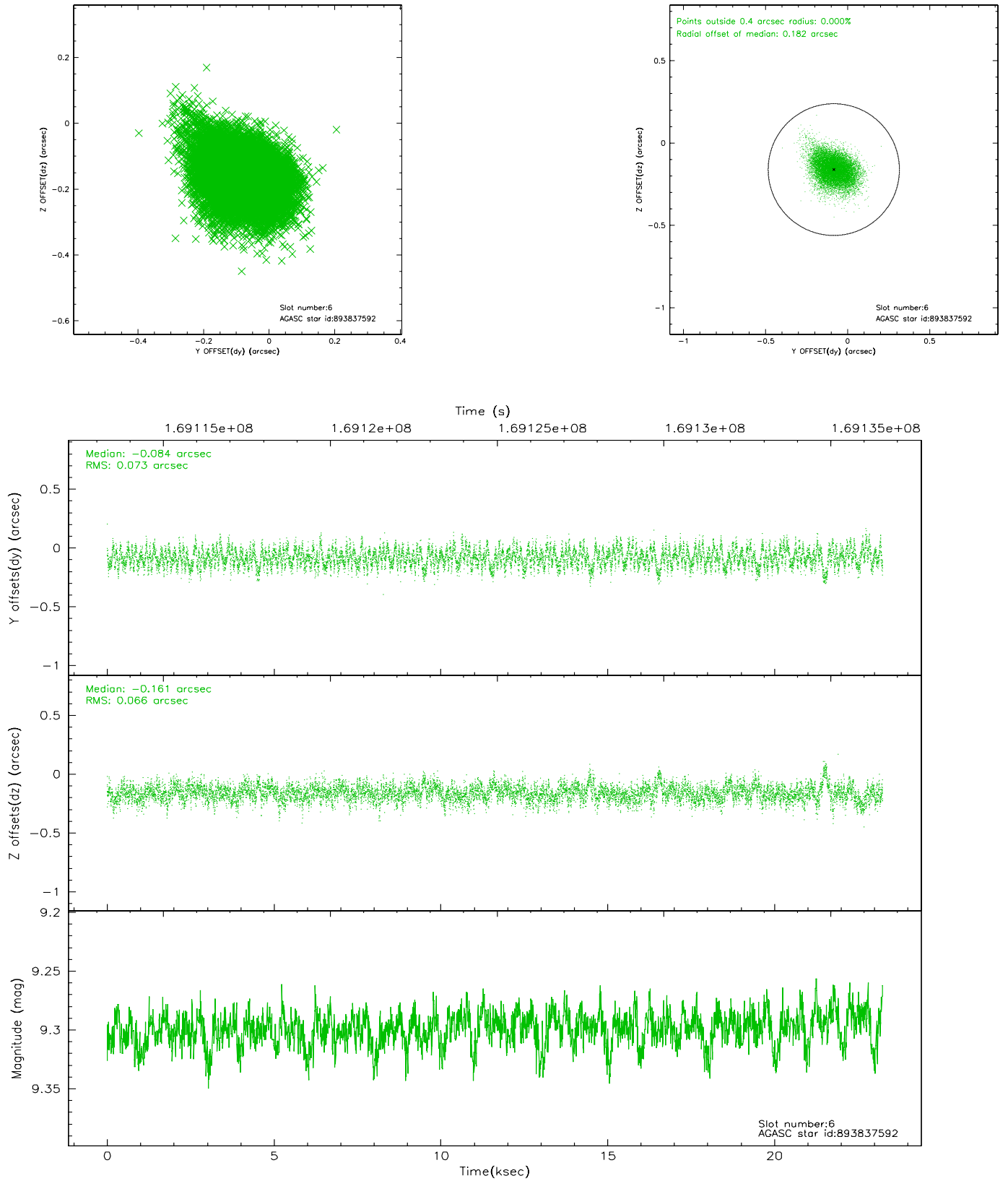
2.4.2 Slot 4



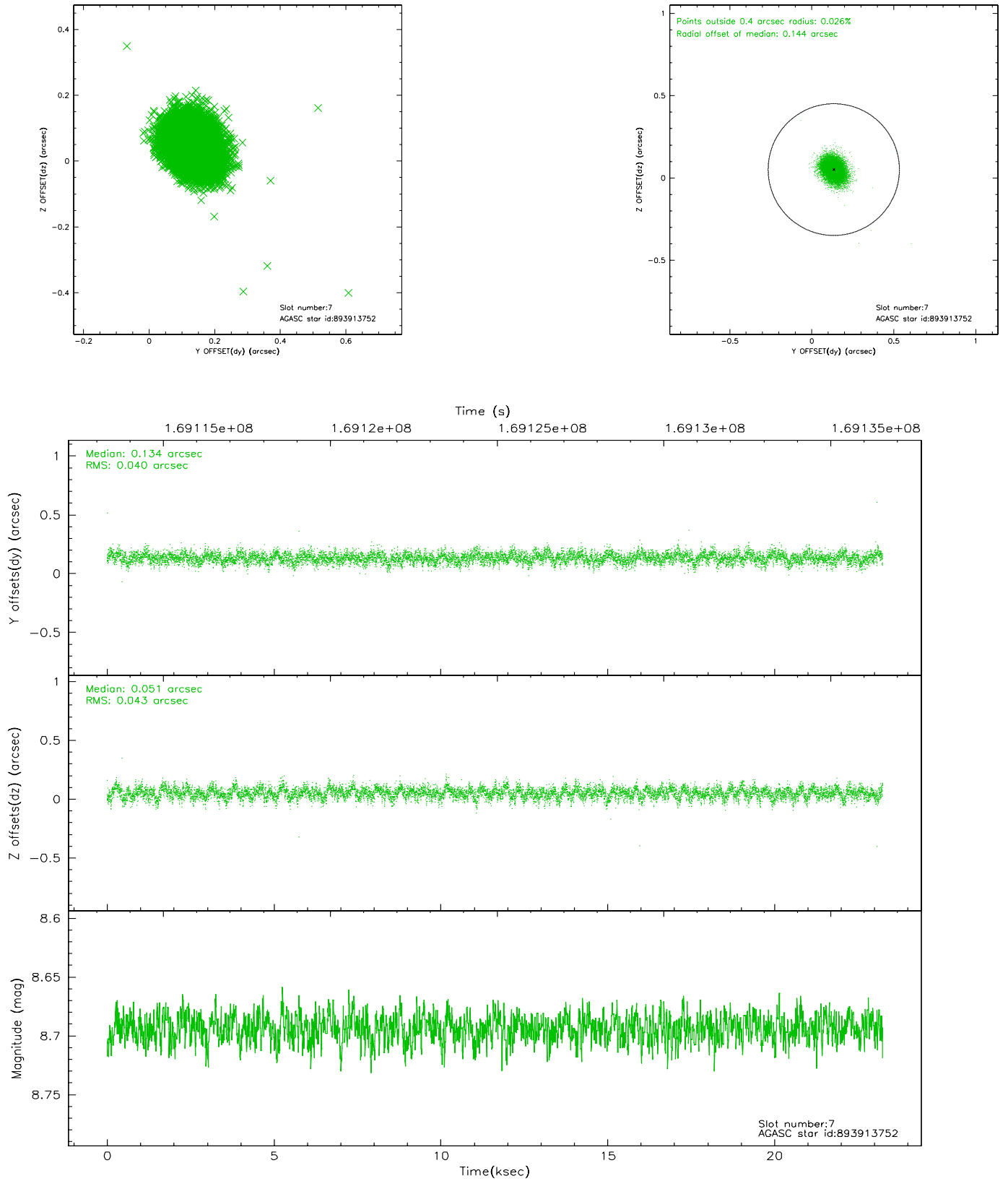
2.4.3 Slot 5



2.4.4 Slot 6

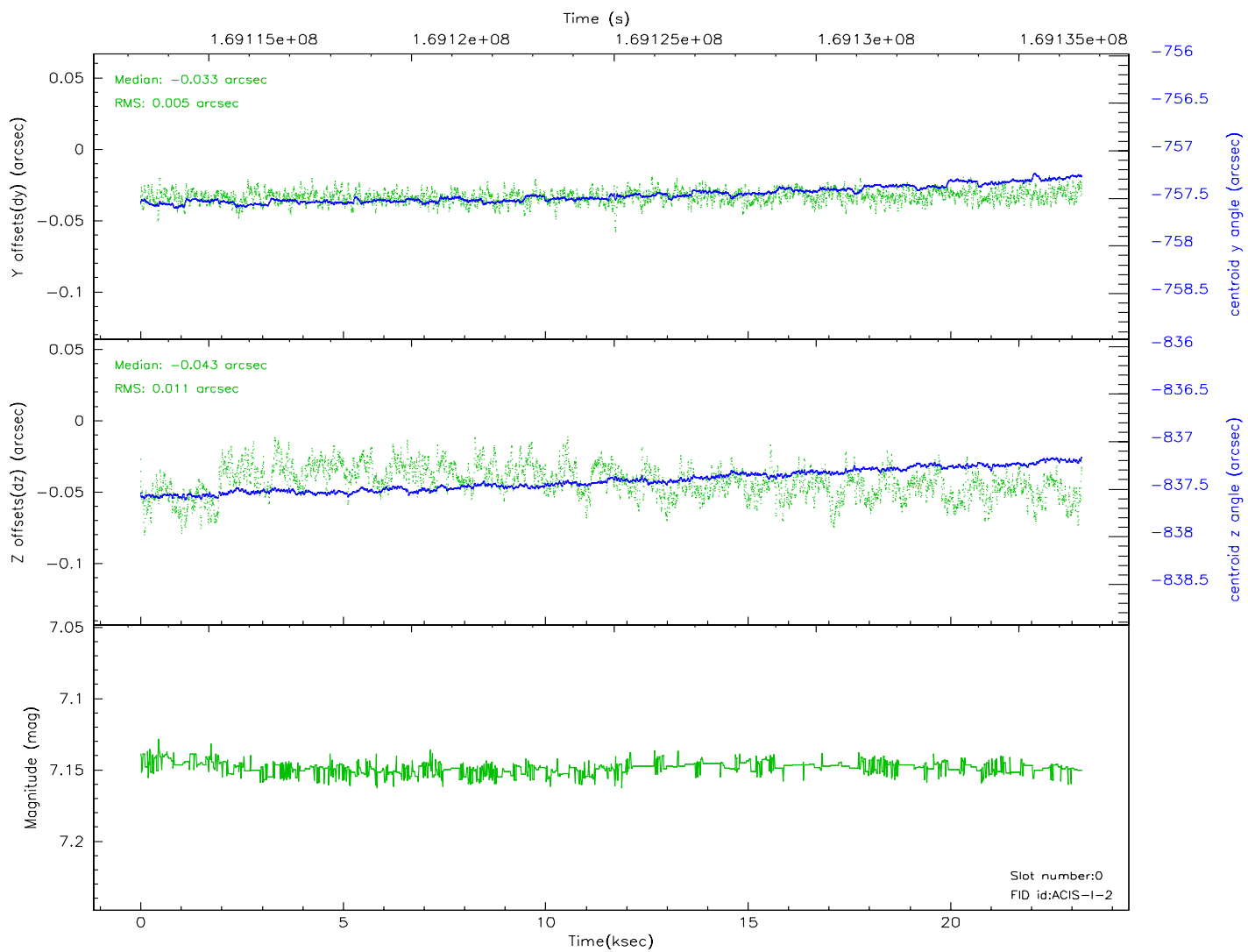
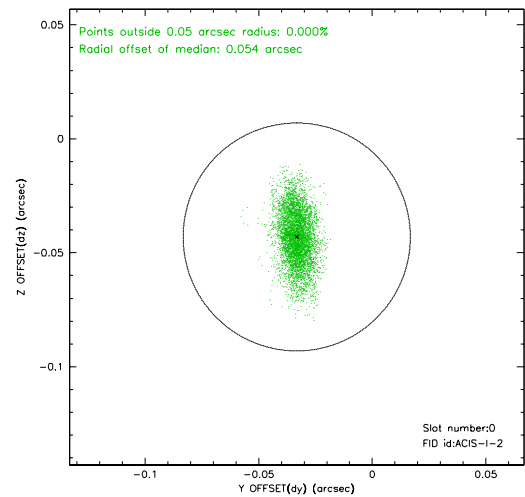
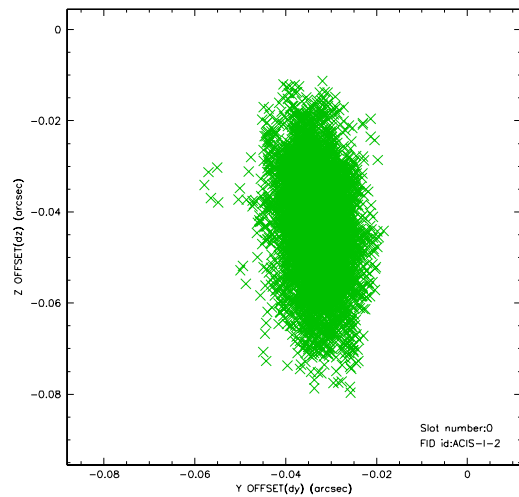


2.4.5 Slot 7

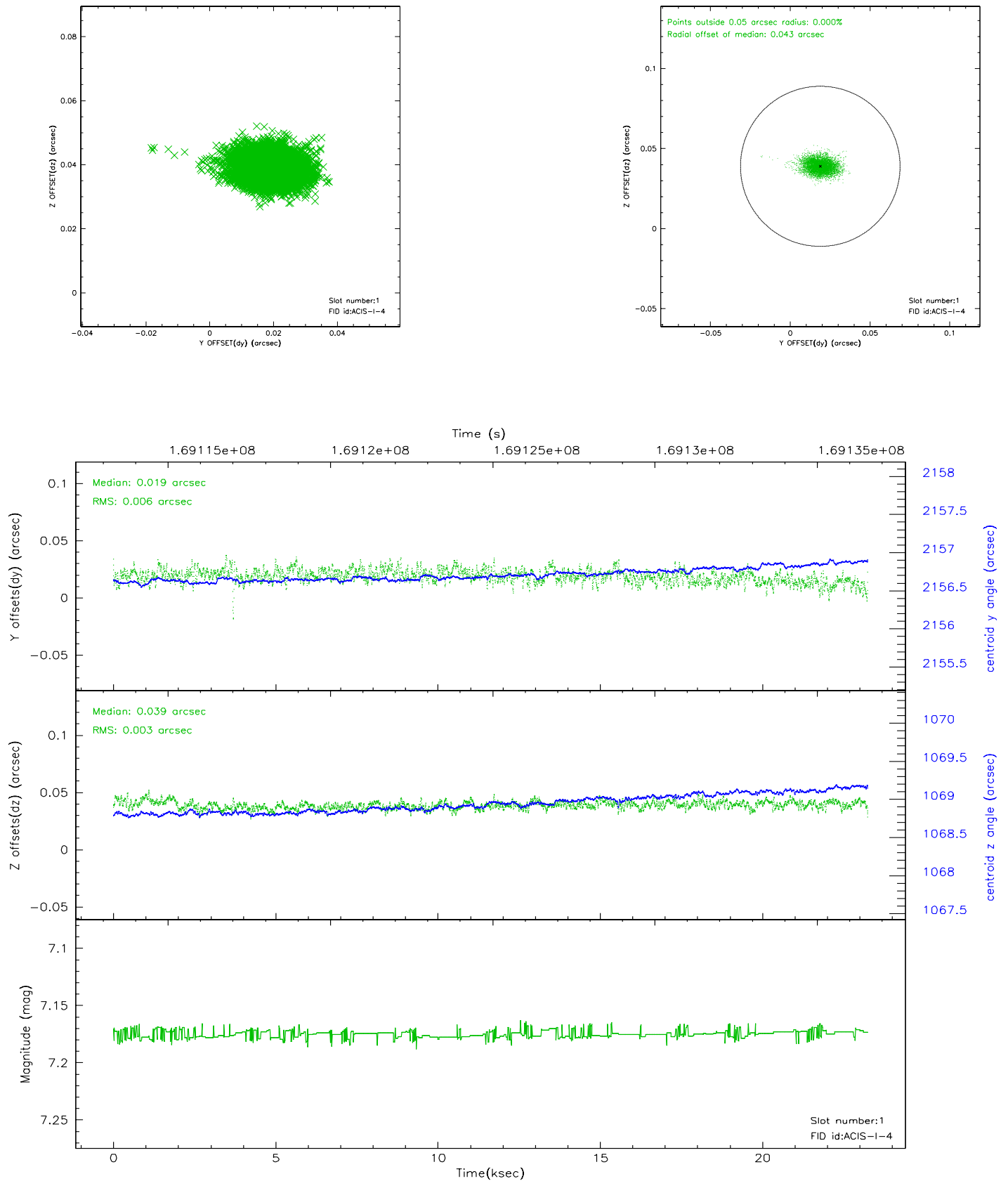


2.5 FID Slots

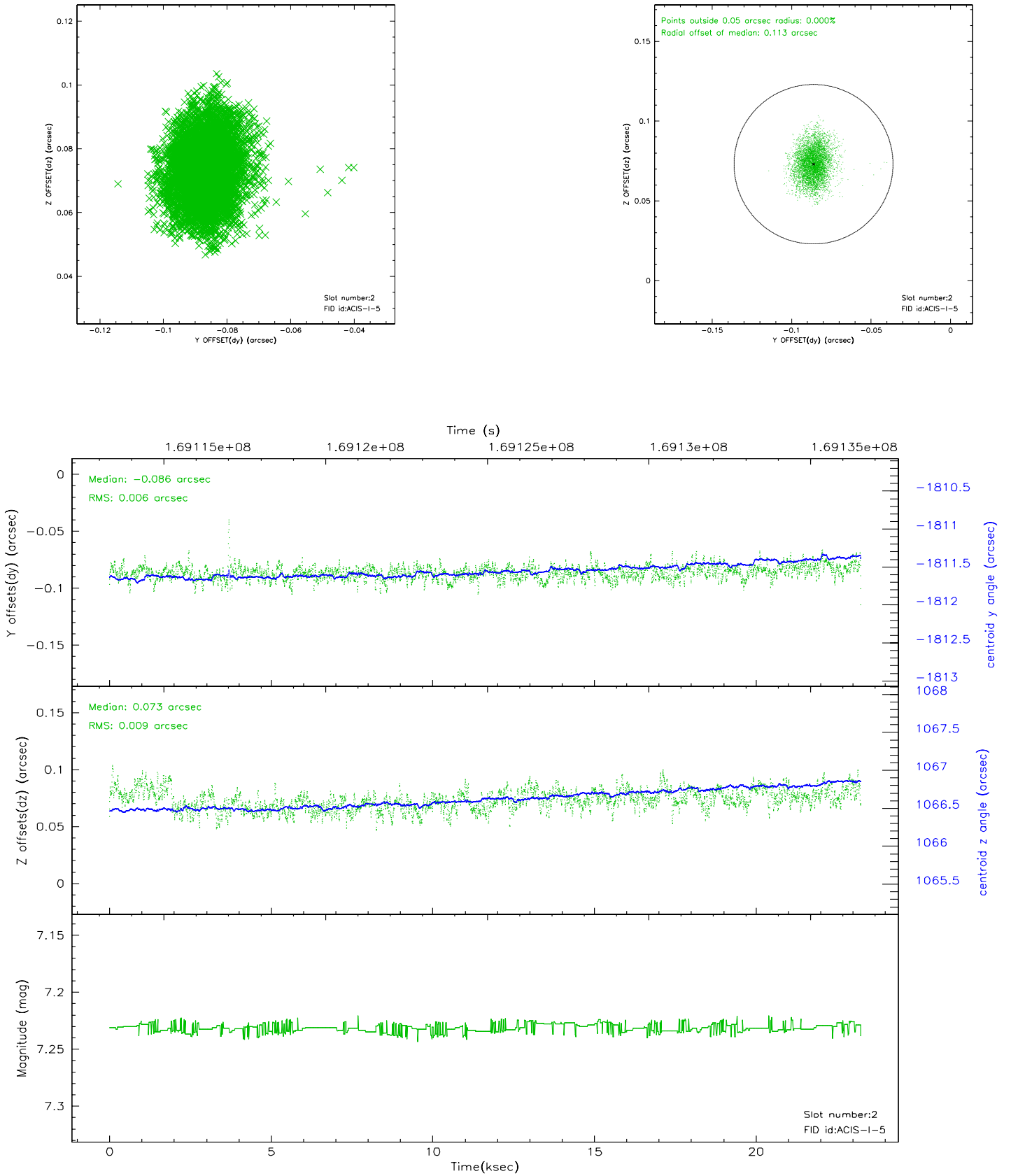
2.5.1 Slot 0



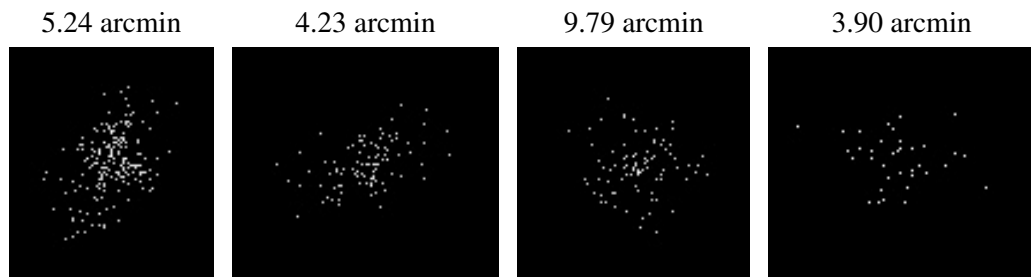
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.08.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	23.05

A.2 Comments

Roll constraint met.