

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 6337 - L2 Version 002
Chandra X-Ray Center

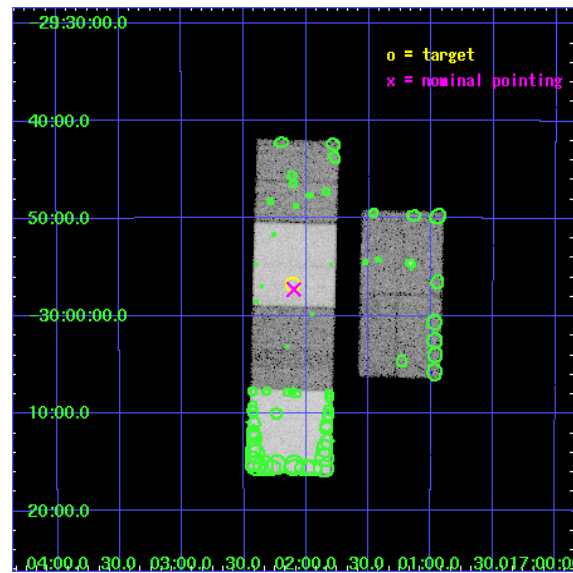
L2 Processing Date : Mar 15 2006

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1 Front

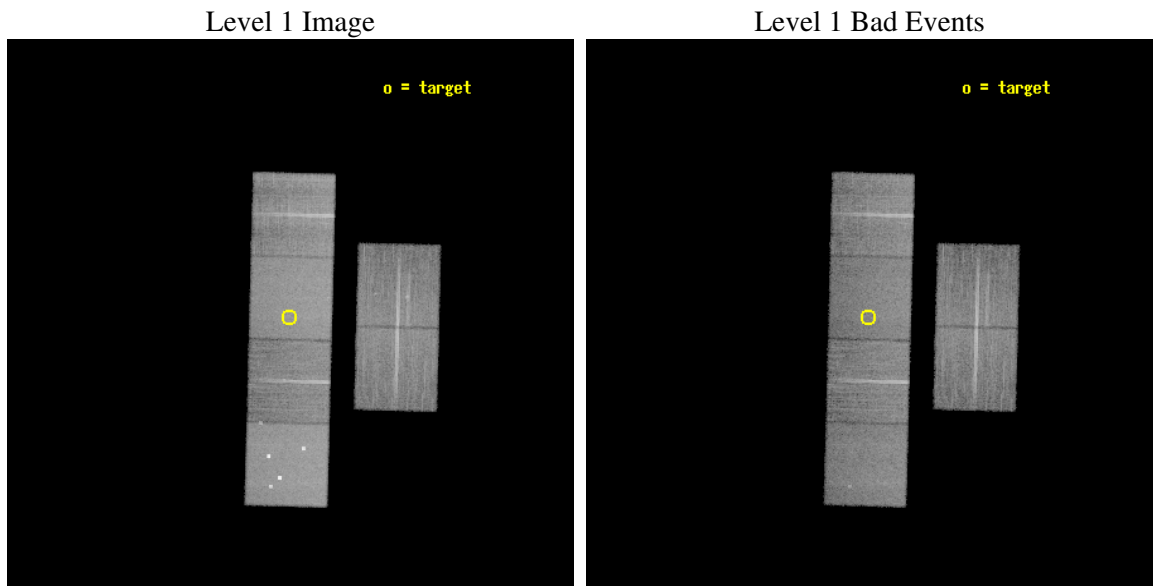
seq_num	400399
obs_id	6337
title	Cooling curves of accretion-heated neutron stars
observer	Dr. Rudy Wijnands
object	MXB 1659-29
dtcycle	0
cycle	P
ra_targ	255.526667
dec_targ	-29.945639
ra_nom	255.52500342007
dec_nom	-29.955187139805
roll_nom	271.46378148921
revision	2
ontime	18956.79992938
livetime	18716.75751426
ontime2	18956.79992938
ontime3	18956.79992938
ontime5	18956.79992938
ontime6	18953.558949053
ontime7	18956.79992938
ontime8	18956.79992938
l2events	248630



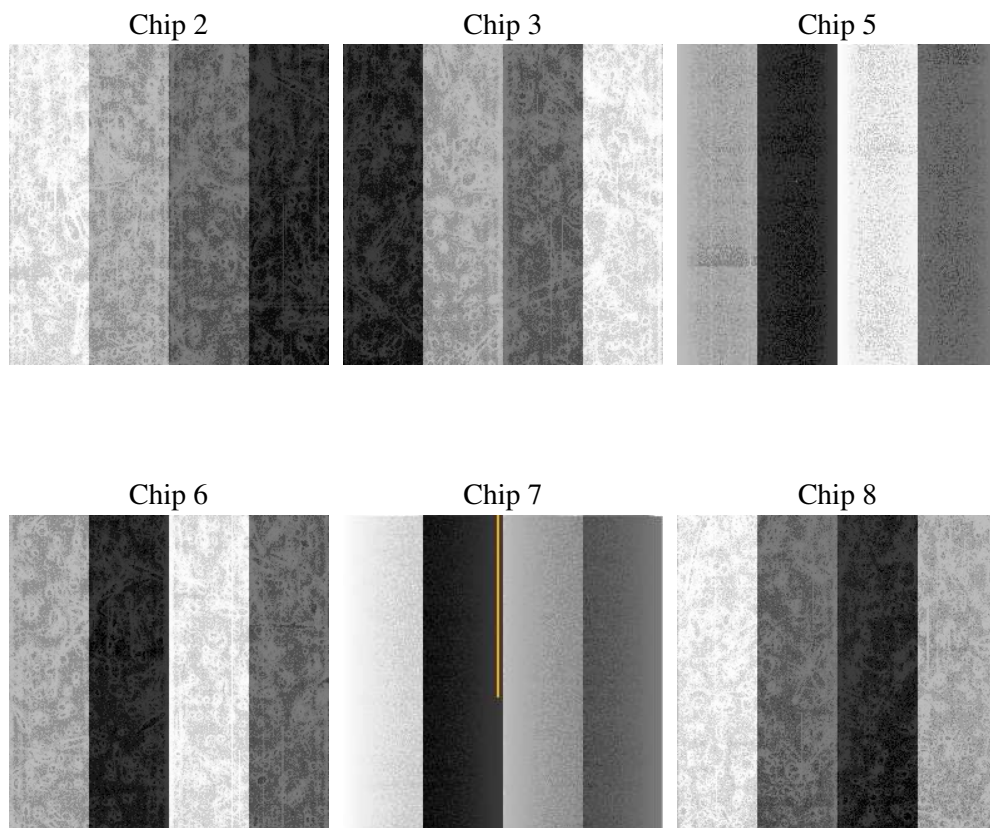
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.1
caldsver	3.2.1
date	2006-03-15T19:59:59
revision	2

sched_exp_time	19000.000000
ontime	18959.911758155
ontime2	18959.911758155
ontime3	18959.911758155
ontime5	18959.911758155
ontime6	18956.670777828
ontime7	18959.911758155
ontime8	18959.911758155
l1events	1091769

2.1.4 Events

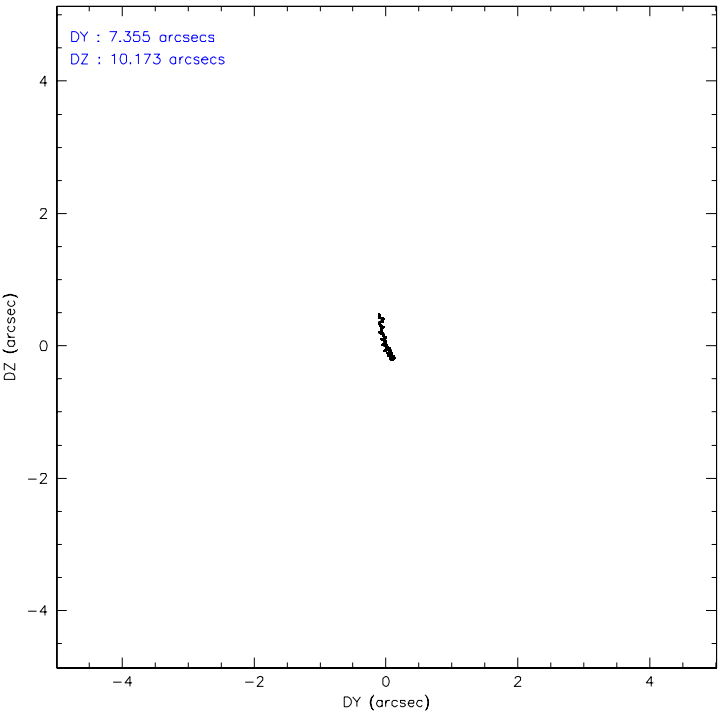
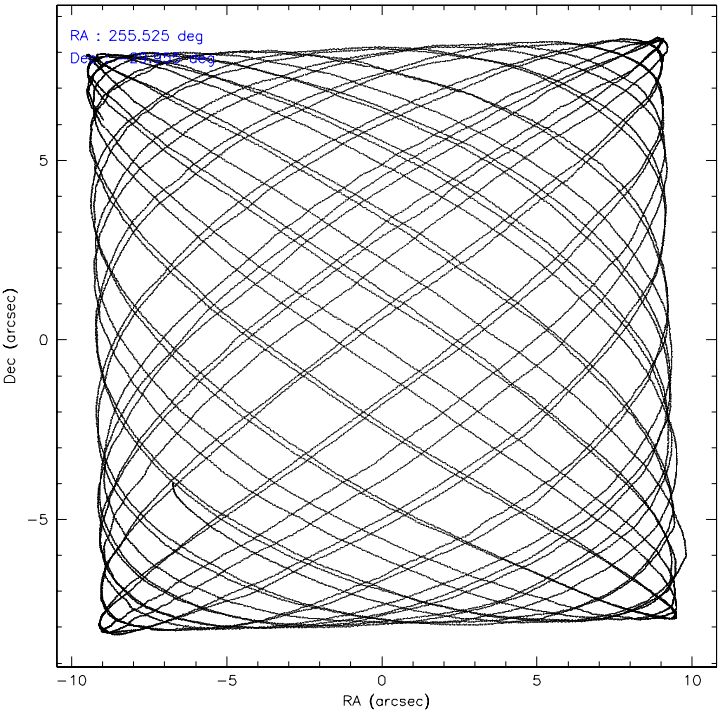
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	151794	145465	238439	153628	209989	192454
rejected events	132955	125872	126284	134240	126794	148615
rejected %	87%	86%	52%	87%	60%	77%

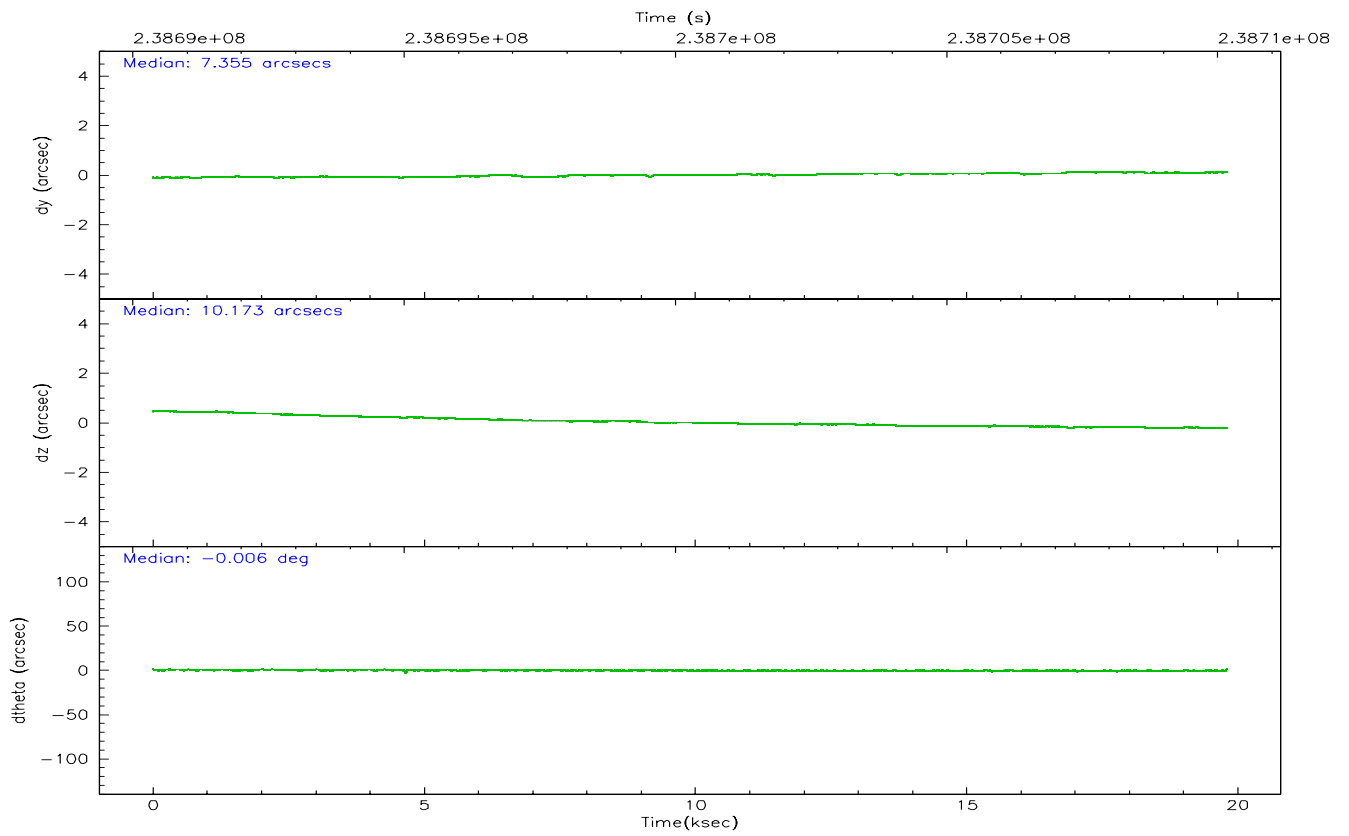
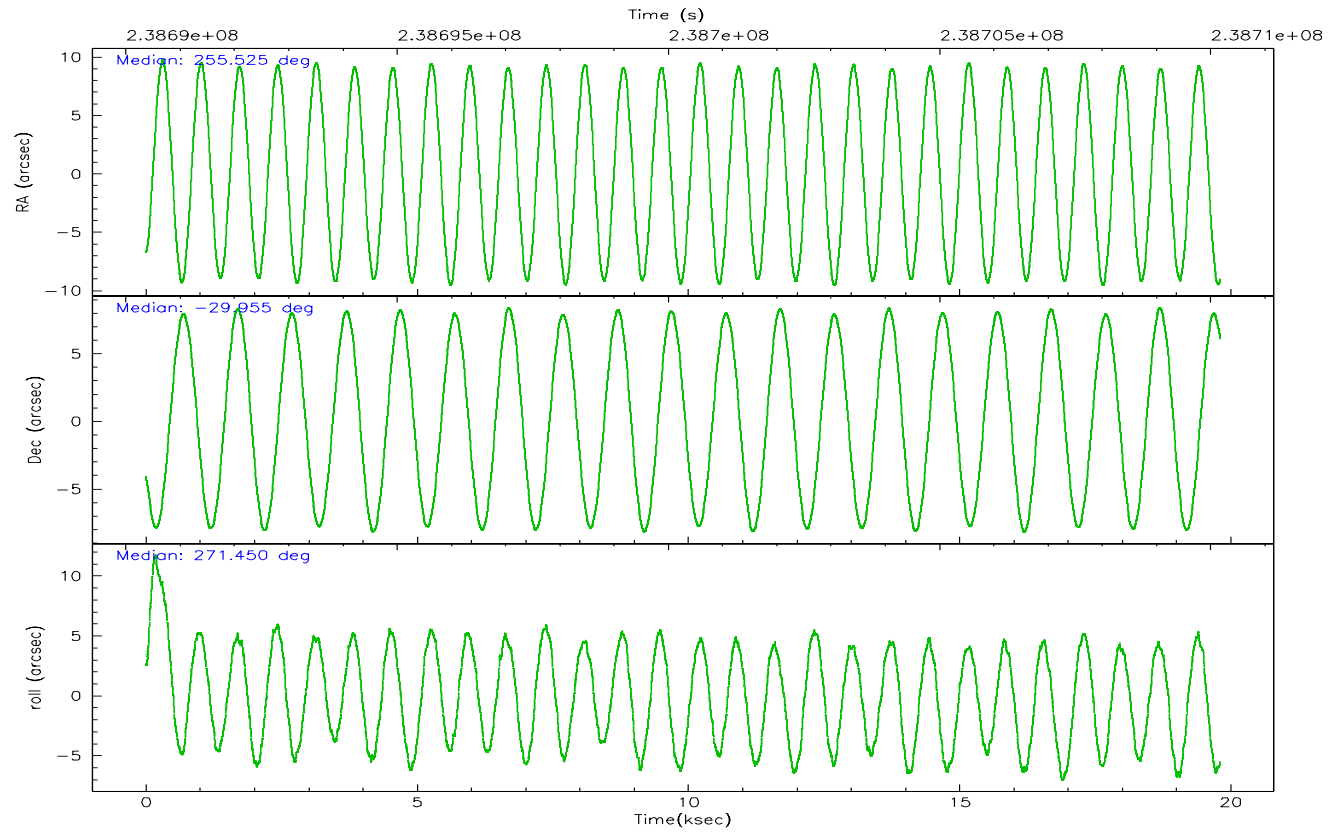
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	8918	9536	16853	8348	5403	14811
	5%	6%	7%	5%	2%	7%
grade 1 events	97	115	186	77	153	125
	0%	0%	0%	0%	0%	0%
grade 2 events	3619	3427	32713	3915	21231	9473
	2%	2%	13%	2%	10%	4%
grade 3 events	1719	1796	2328	1775	4218	4533
	1%	1%	0%	1%	2%	2%
grade 4 events	1614	1767	2233	1687	4082	4168
	1%	1%	0%	1%	1%	2%
grade 5 events	6037	6644	10677	6975	13302	9118
	3%	4%	4%	4%	6%	4%
grade 6 events	2971	3071	58049	3666	48273	10863
	1%	2%	24%	2%	22%	5%
grade 7 events	126819	119109	115400	127185	113327	139363
	83%	81%	48%	82%	53%	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	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	255.508227	255.5250034200687	Alternating exposures requested	N	N
Pointing Dec	-29.932161	-29.95518713980473	Primary exposure time	0.000000	3.2
Pointing Roll	271.298774	271.4637814892102			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1425803651734			
SIM translation stage offset (mm)	0	0.01005778216563158			
Observation start time	238691171.184000	238689898.98178			
Observation start date	2005-07-25T15:05:07	2005-07-25T14:44:58			
Observation end time	238710171.184000	238711306.10776			
Observation end date	2005-07-25T20:21:47	2005-07-25T20:41:46			
Read mode	TIMED	TIMED			

2.3 Aspect



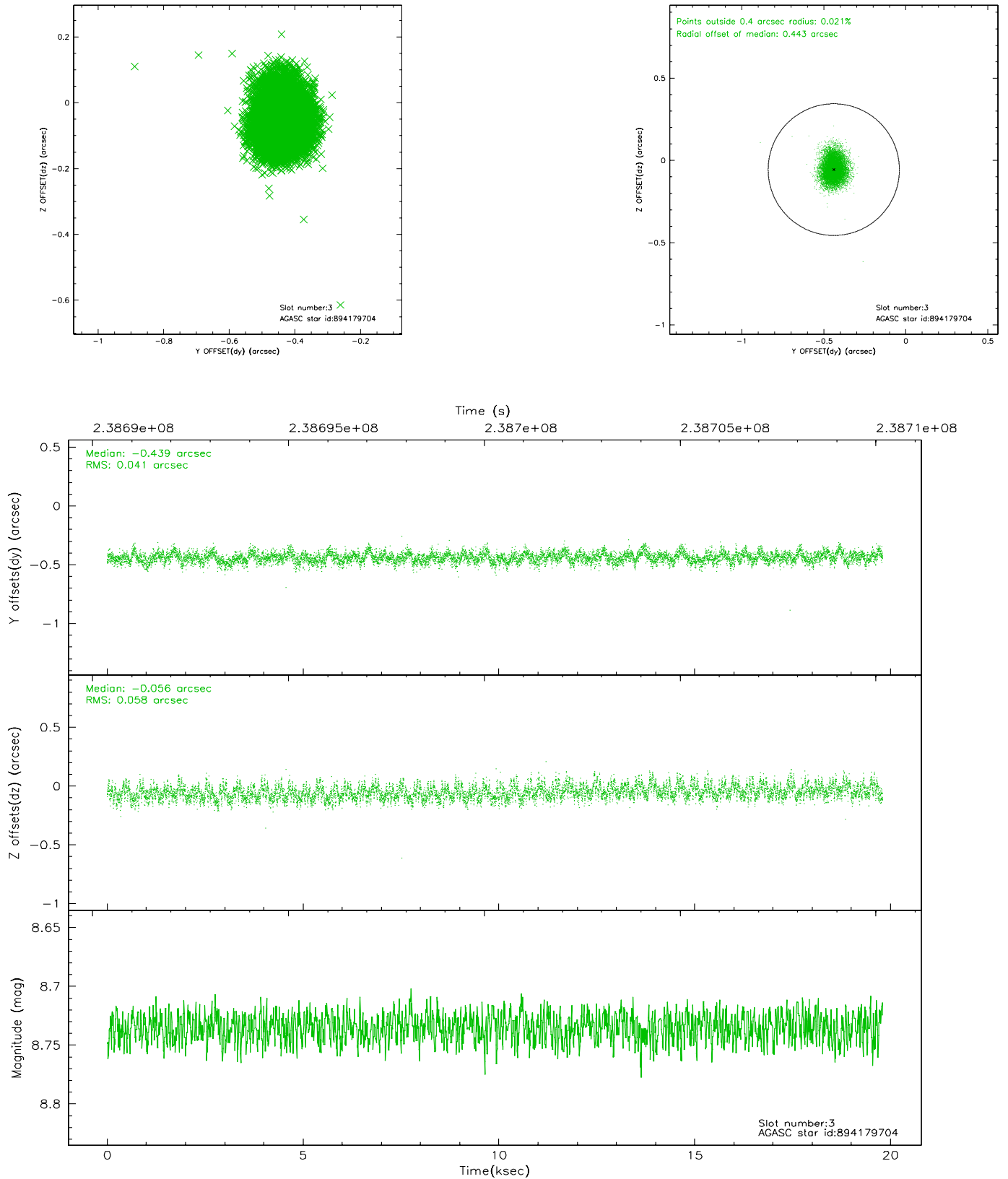


Slot Statistics

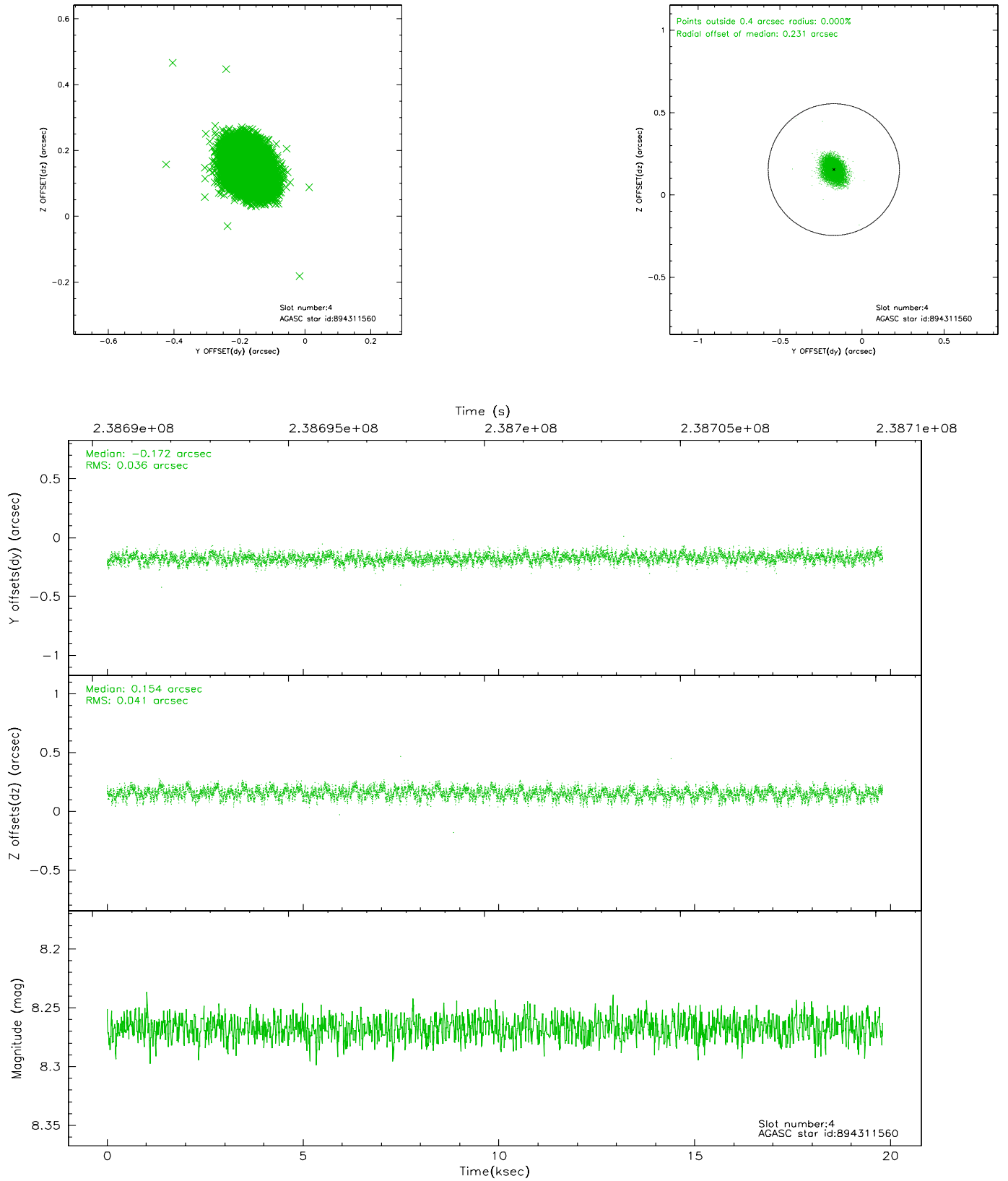
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	4829	0.019	-0.027	0.022	0.029	0.000000	0.000000	935.95	-1727.07
1	FID	ACIS-S-5	7.24	4831	-0.049	0.014	0.009	0.015	0.000000	0.000000	-1813.02	170.31
2	FID	ACIS-S-6	7.35	4831	0.009	0.024	0.021	0.029	0.000000	0.000000	401.27	814.51
3	GUIDE	894179704	8.74	9657	-0.439	-0.056	0.075	0.122	254.813840	-29.808957	-485.47	-2158.65
4	GUIDE	894311560	8.27	9661	-0.172	0.154	0.058	0.094	255.968048	-29.561250	-1299.51	1469.44
5	GUIDE	964690752	8.79	9645	-0.053	0.085	0.079	0.129	255.992274	-30.082811	579.54	1495.56
6	GUIDE	964693496	8.88	9651	0.792	-0.178	0.088	0.138	255.191226	-30.516598	2084.14	-1030.09
7	GUIDE	894312440	8.37	9658	-0.133	-0.002	0.074	0.118	256.267206	-29.720309	-700.86	2389.21

2.4 Star Slots

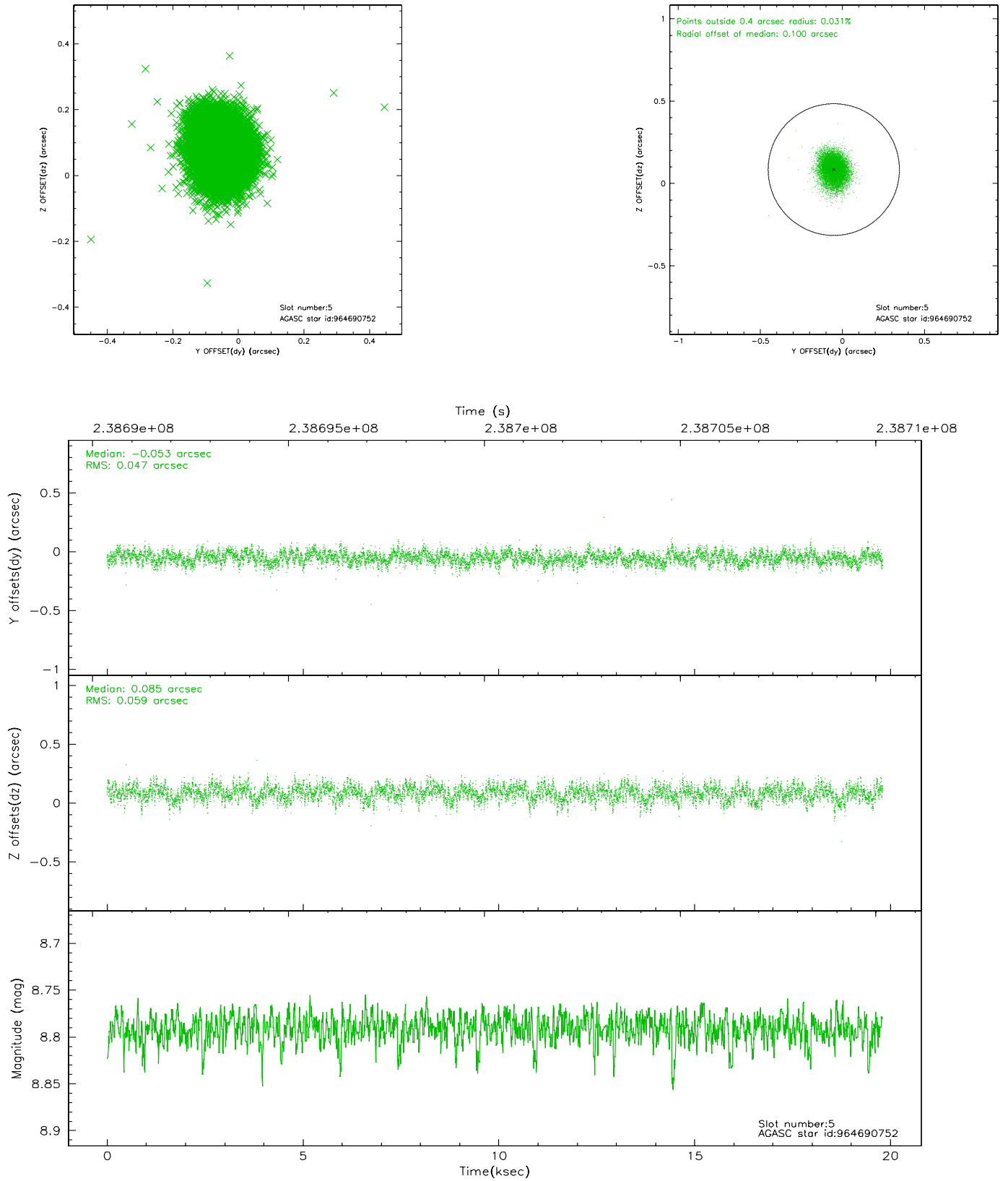
2.4.1 Slot 3



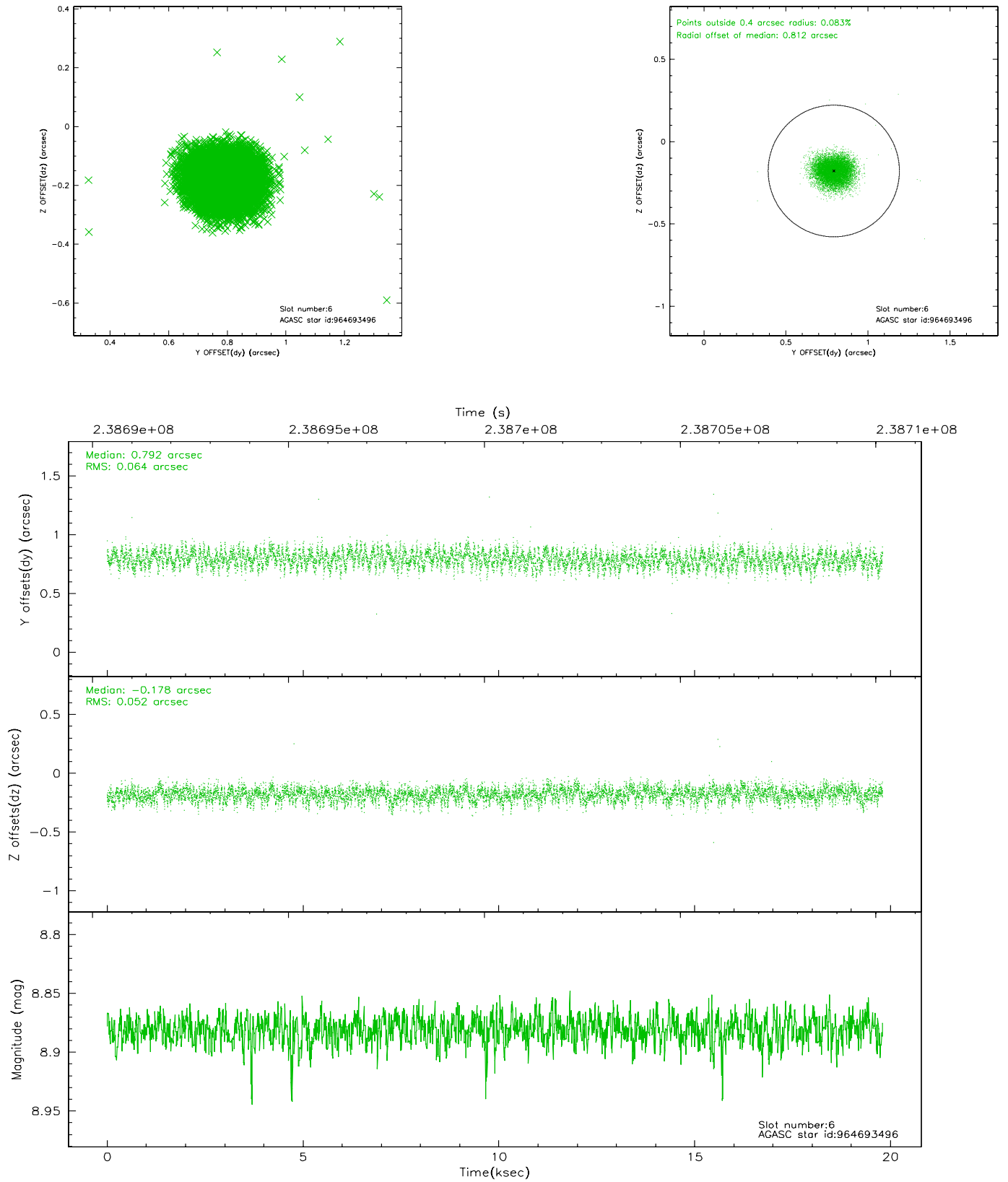
2.4.2 Slot 4



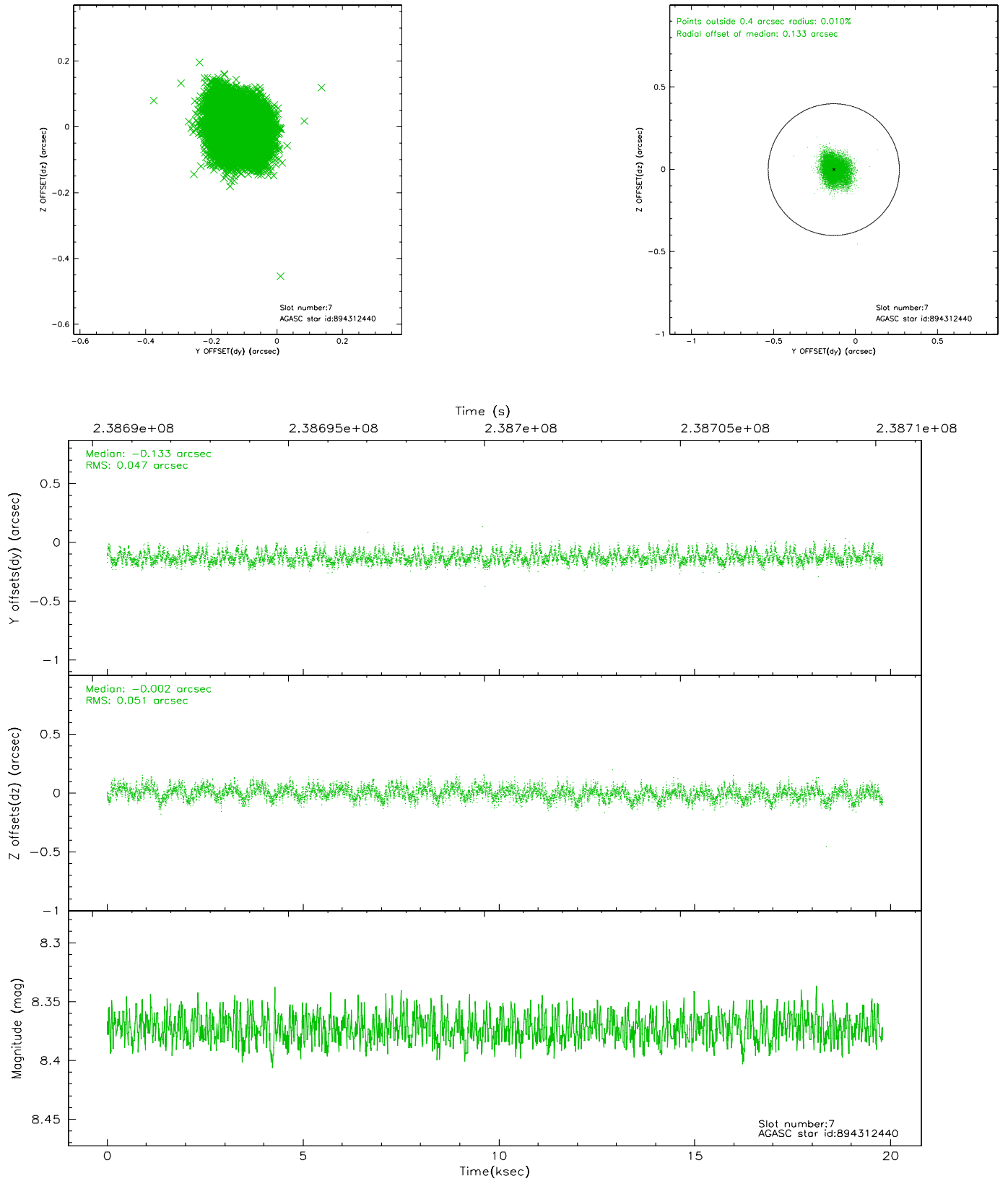
2.4.3 Slot 5



2.4.4 Slot 6

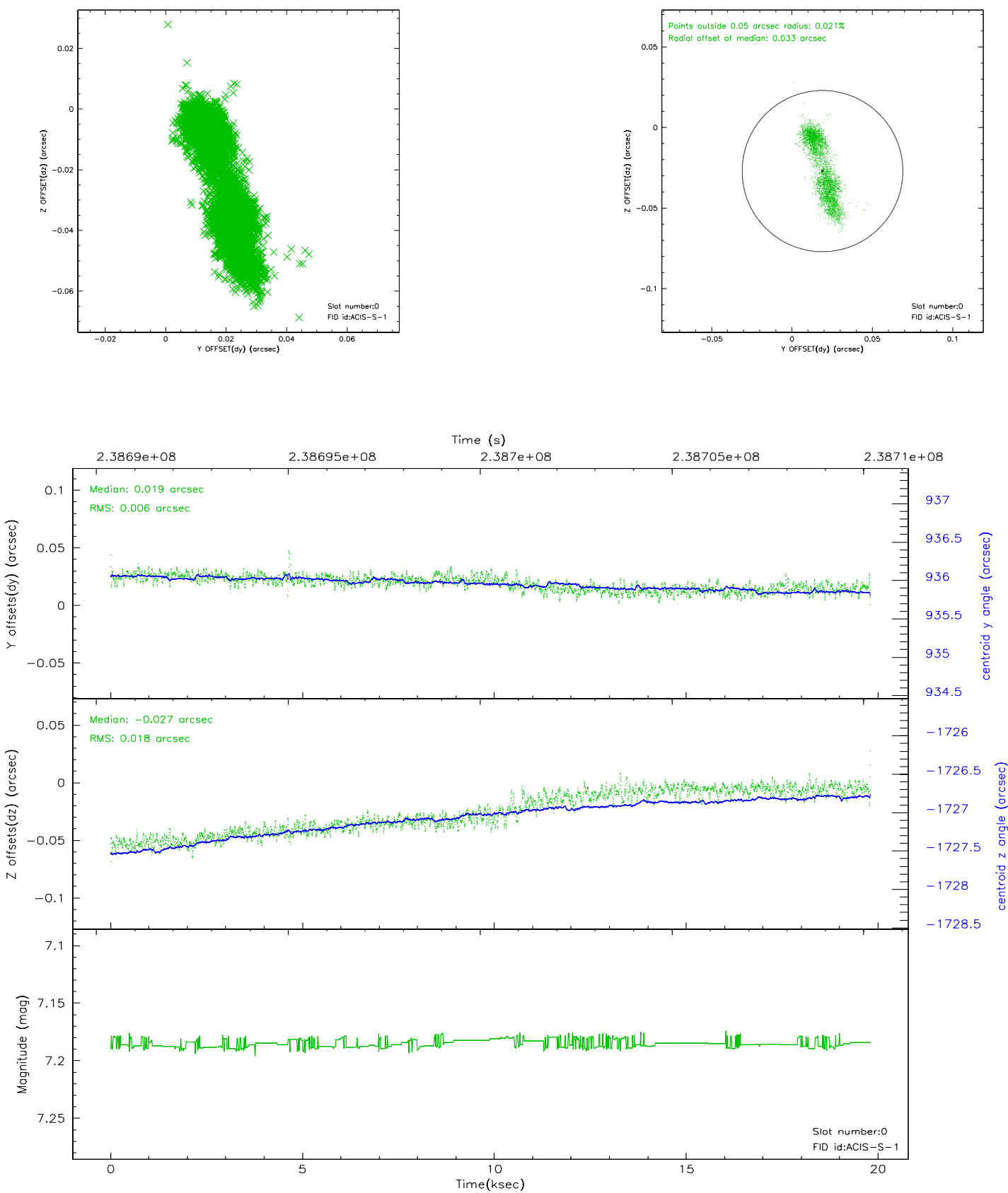


2.4.5 Slot 7

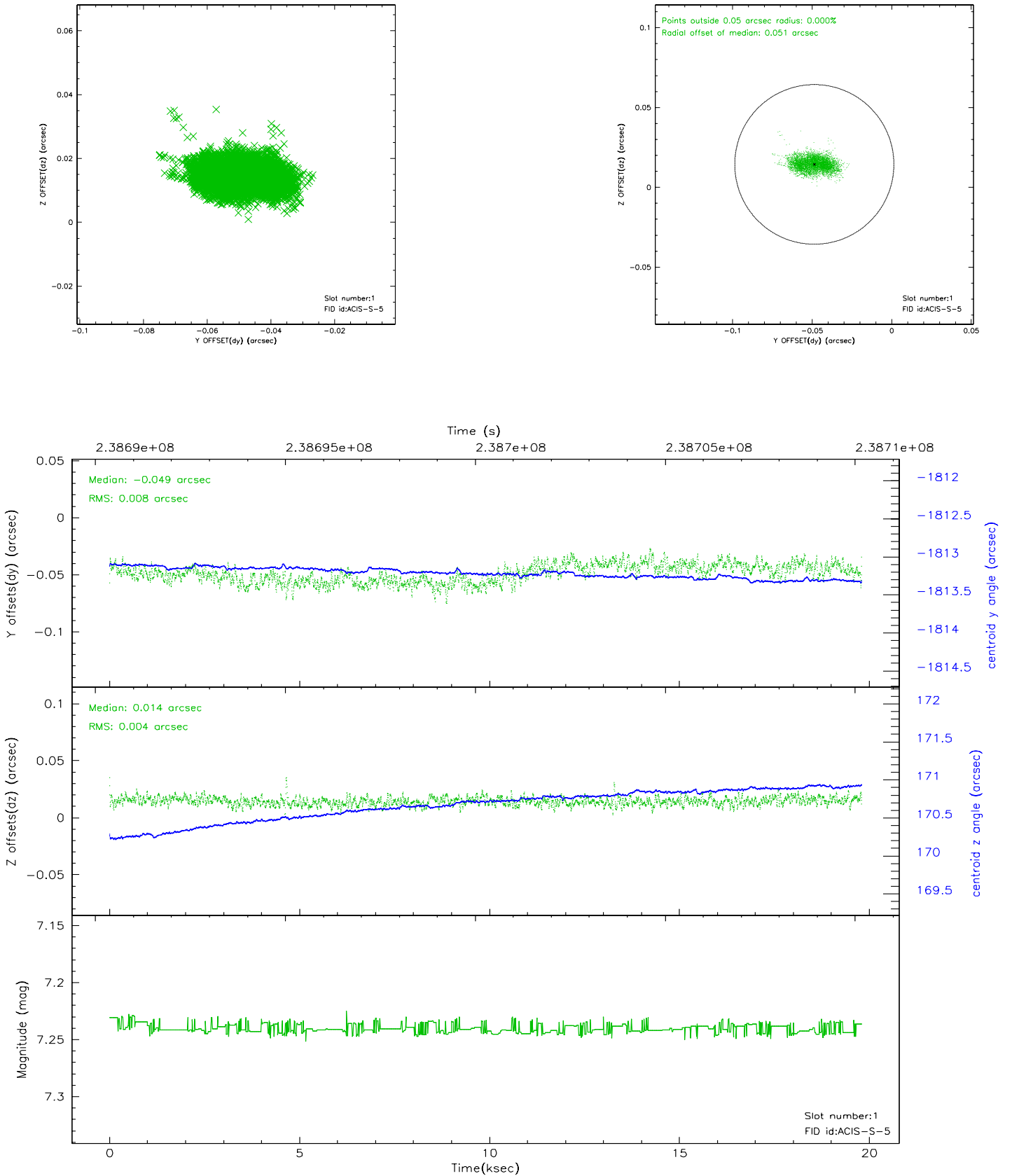


2.5 FID Slots

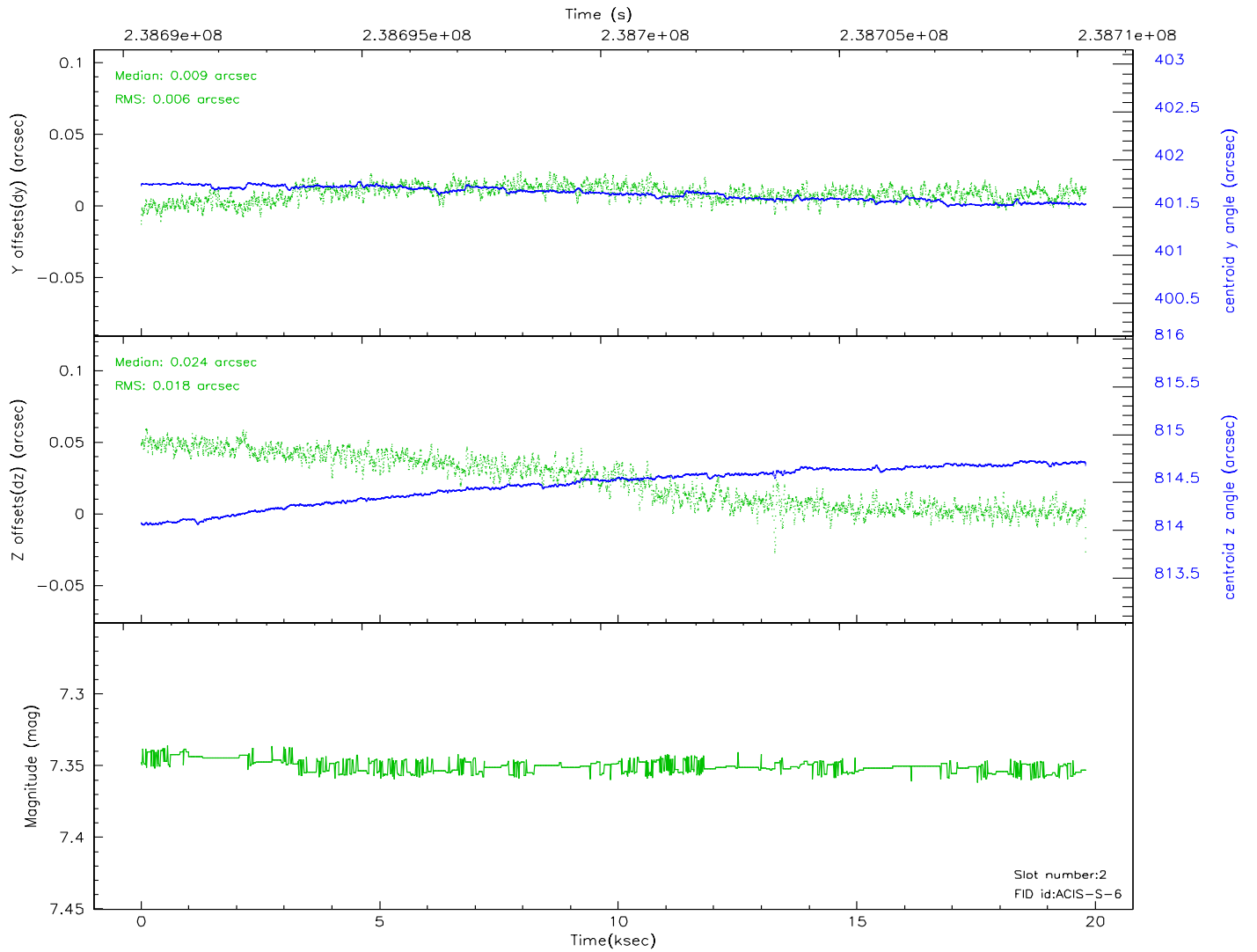
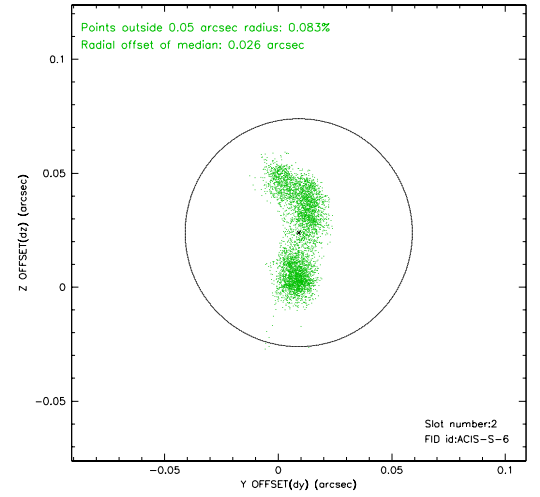
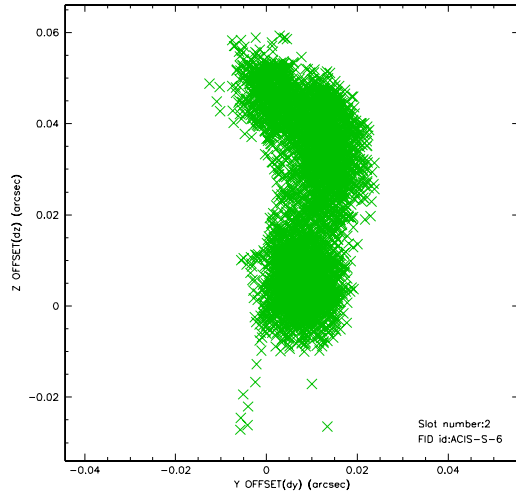
2.5.1 Slot 0



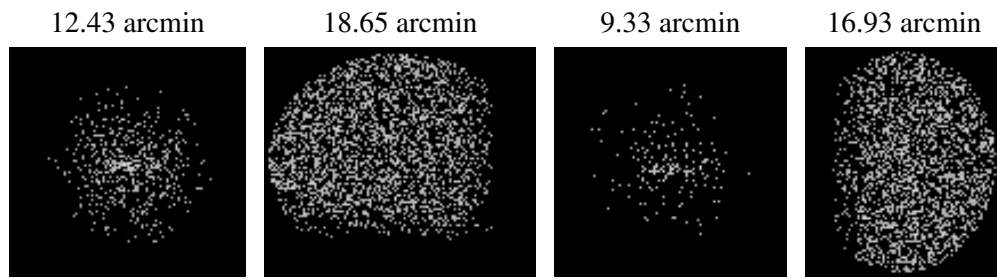
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.03.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	18.95991

A.2 Comments