

V&V Reference Report

L2 ASCDS Version : 7.6.7.2

Observation 4867 - L2 Version 001
Chandra X-Ray Center

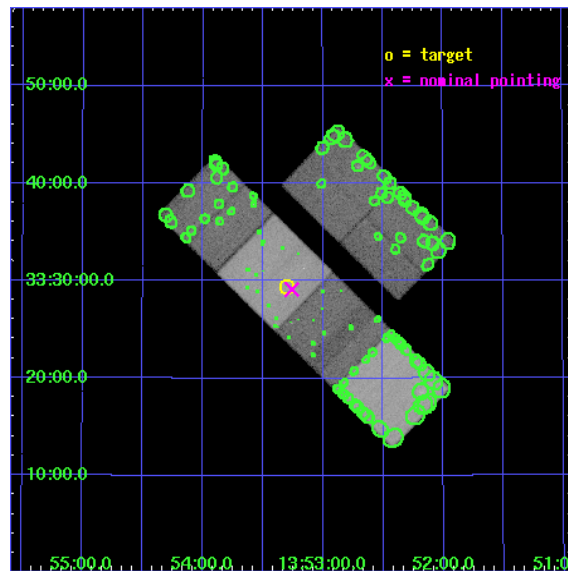
L2 Processing Date : May 1 2006

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1 Front

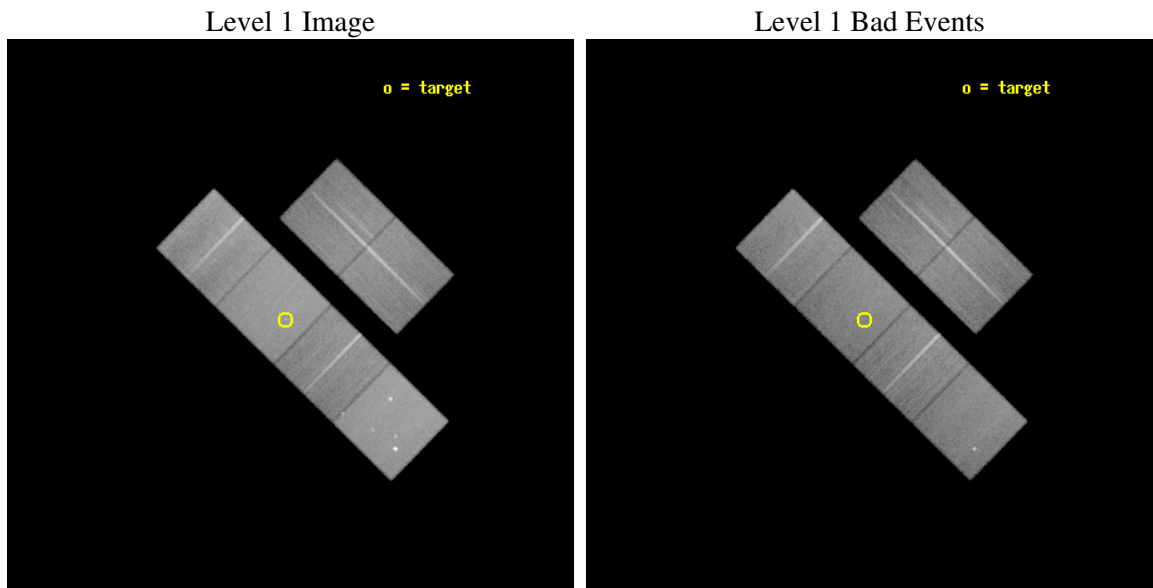
seq_num	700949
obs_id	4867
title	Probing Obscured AGN with X-ray Iron Lines
observer	Dr. Nancy Levenson
object	NGC 5347
dtcycle	0
cycle	P
ra_targ	208.324167
dec_targ	33.490833
ra_nom	208.31459437754
dec_nom	33.48541104228
roll_nom	224.33836826073
revision	3
ontime	37407.999860644
livetime	36934.317242016
ontime2	37407.999860644
ontime3	37407.999860644
ontime5	37404.758890361
ontime6	37407.999860644
ontime7	37407.999860644
ontime8	37404.75898993
l2events	551603



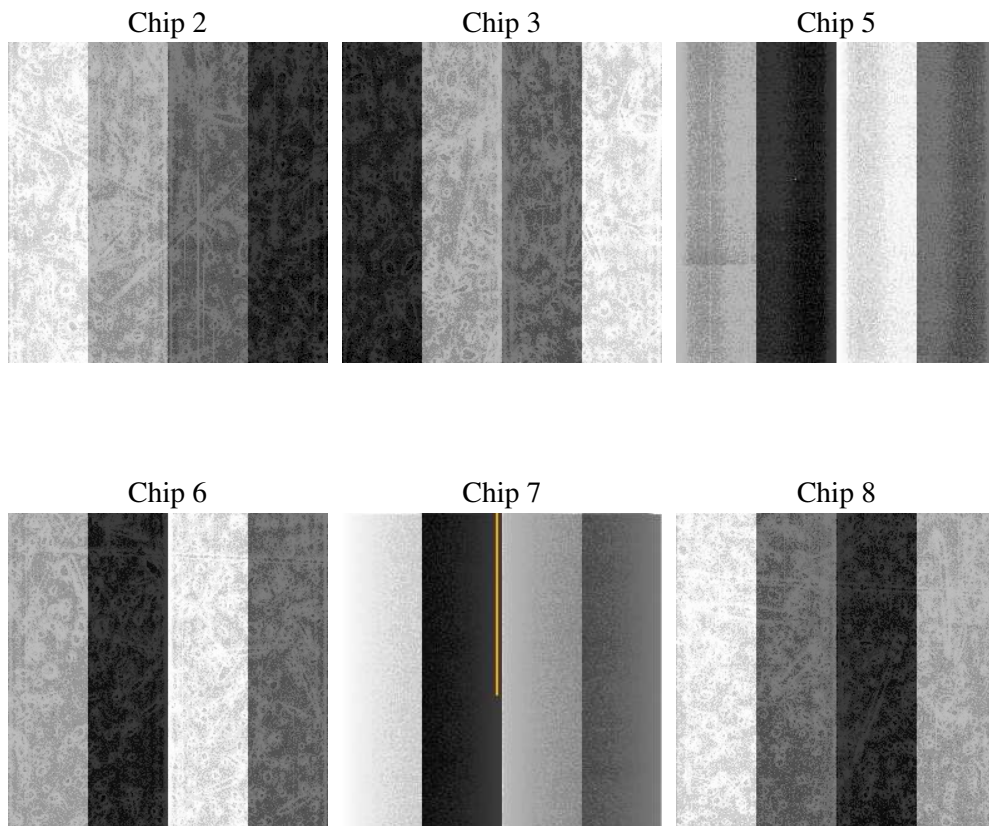
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.2
caldsver	3.2.1
date	2006-05-01T21:26:54
revision	3

sched_exp_time	37650.000000
ontime	37410.906194001
ontime2	37410.906194001
ontime3	37410.906194001
ontime5	37407.665223718
ontime6	37410.906194001
ontime7	37410.906194001
ontime8	37407.665233612
l1events	2115450

2.1.4 Events

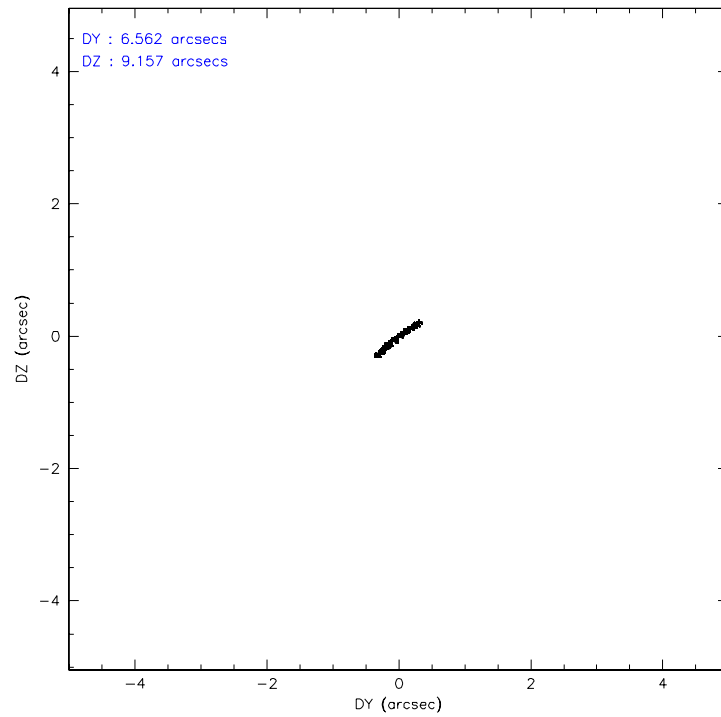
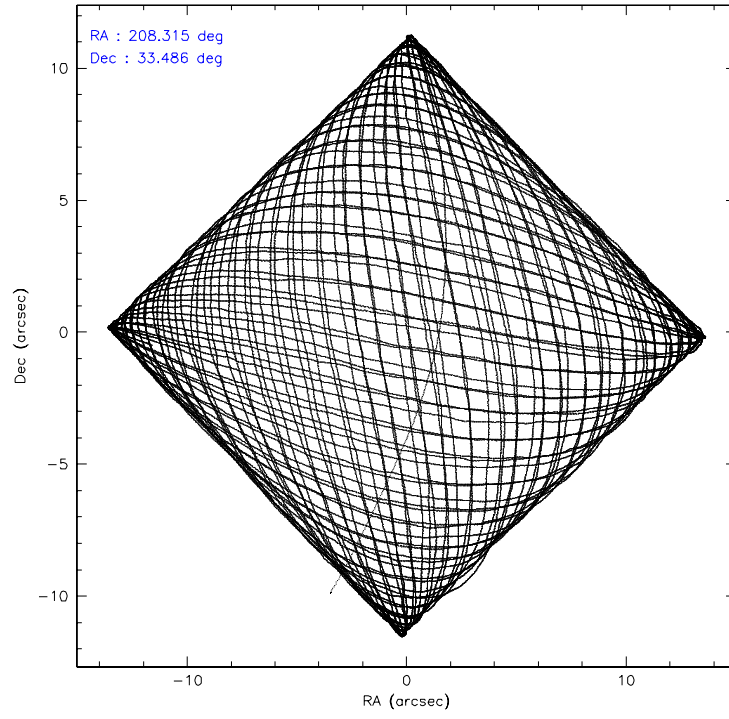
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	302683	288995	444842	301005	401670	376255
rejected events	250116	237307	235480	247825	234881	280453
rejected %	82%	82%	52%	82%	58%	74%

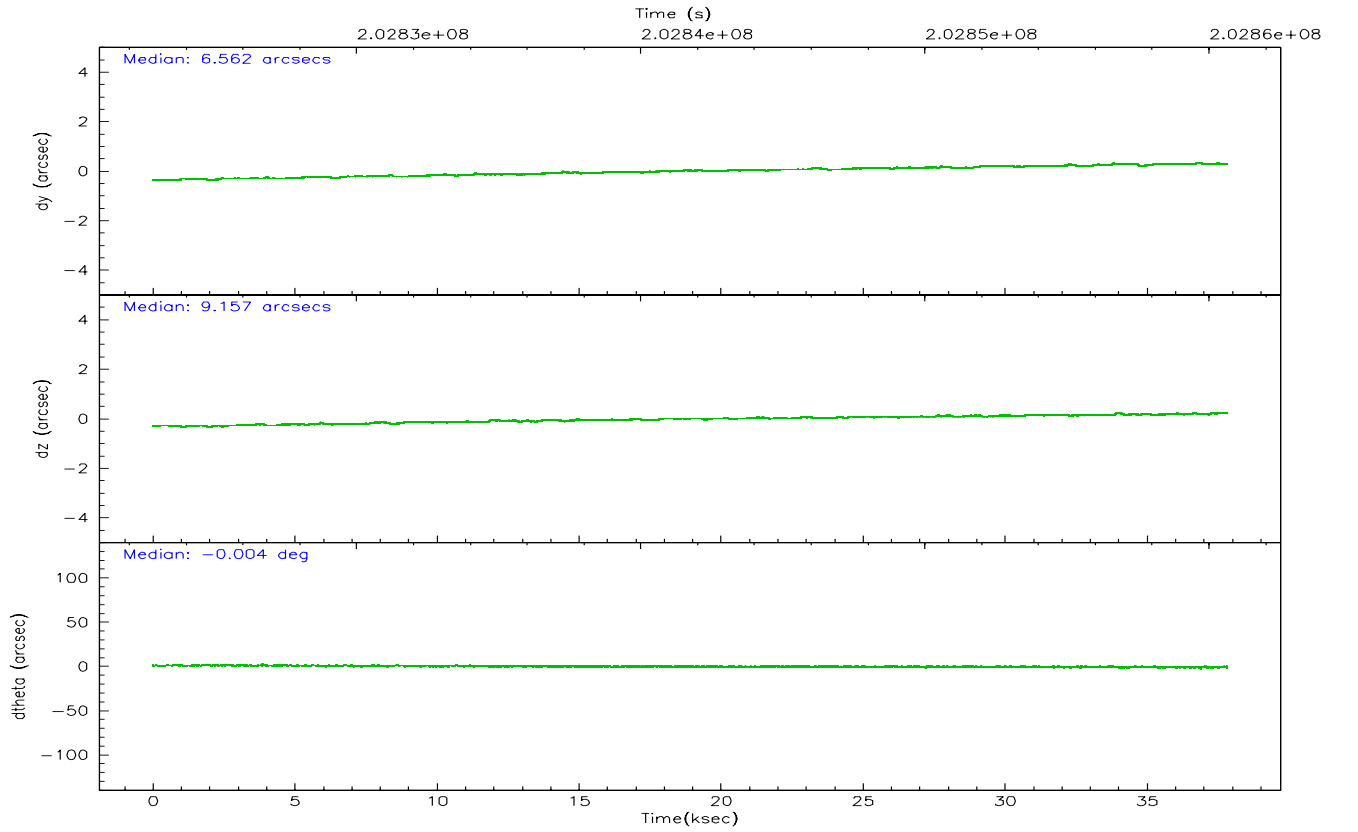
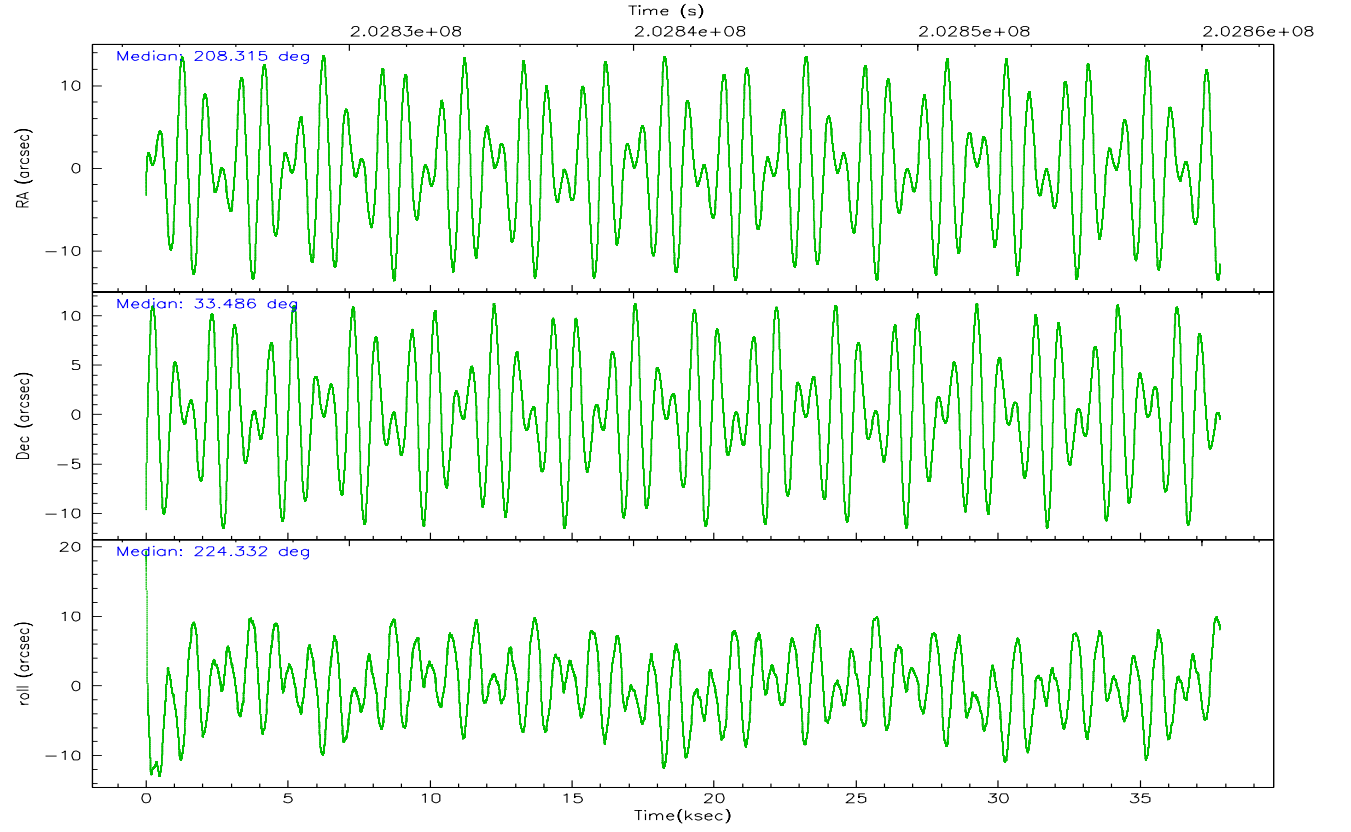
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	29804	29313	20269	28121	10489	40166
	9%	10%	4%	9%	2%	10%
grade 1 events	265	242	1994	199	210	338
	0%	0%	0%	0%	0%	0%
grade 2 events	8506	7902	64356	9426	39579	18642
	2%	2%	14%	3%	9%	4%
grade 3 events	3835	3845	4599	3834	8231	8775
	1%	1%	1%	1%	2%	2%
grade 4 events	3726	3853	4512	3837	8053	8164
	1%	1%	1%	1%	2%	2%
grade 5 events	11163	12011	20019	12763	24906	16663
	3%	4%	4%	4%	6%	4%
grade 6 events	6714	6794	115684	7987	100473	20078
	2%	2%	26%	2%	25%	5%
grade 7 events	238670	225035	213409	234838	209729	263429
	78%	77%	47%	78%	52%	70%

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	208.322976	208.3145943775378	Alternating exposures requested	N	N
Pointing Dec	33.511707	33.48541104228045	Primary exposure time	0.000000	3.2
Pointing Roll	224.177108	224.3383682607321			
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	202822996.184000	202821719.76631			
Observation start date	2004-06-05T11:42:12	2004-06-05T11:21:59			
Observation end time	202860646.184000	202861300.14306			
Observation end date	2004-06-05T22:09:42	2004-06-05T22:21:40			
Read mode	TIMED	TIMED			

2.3 Aspect



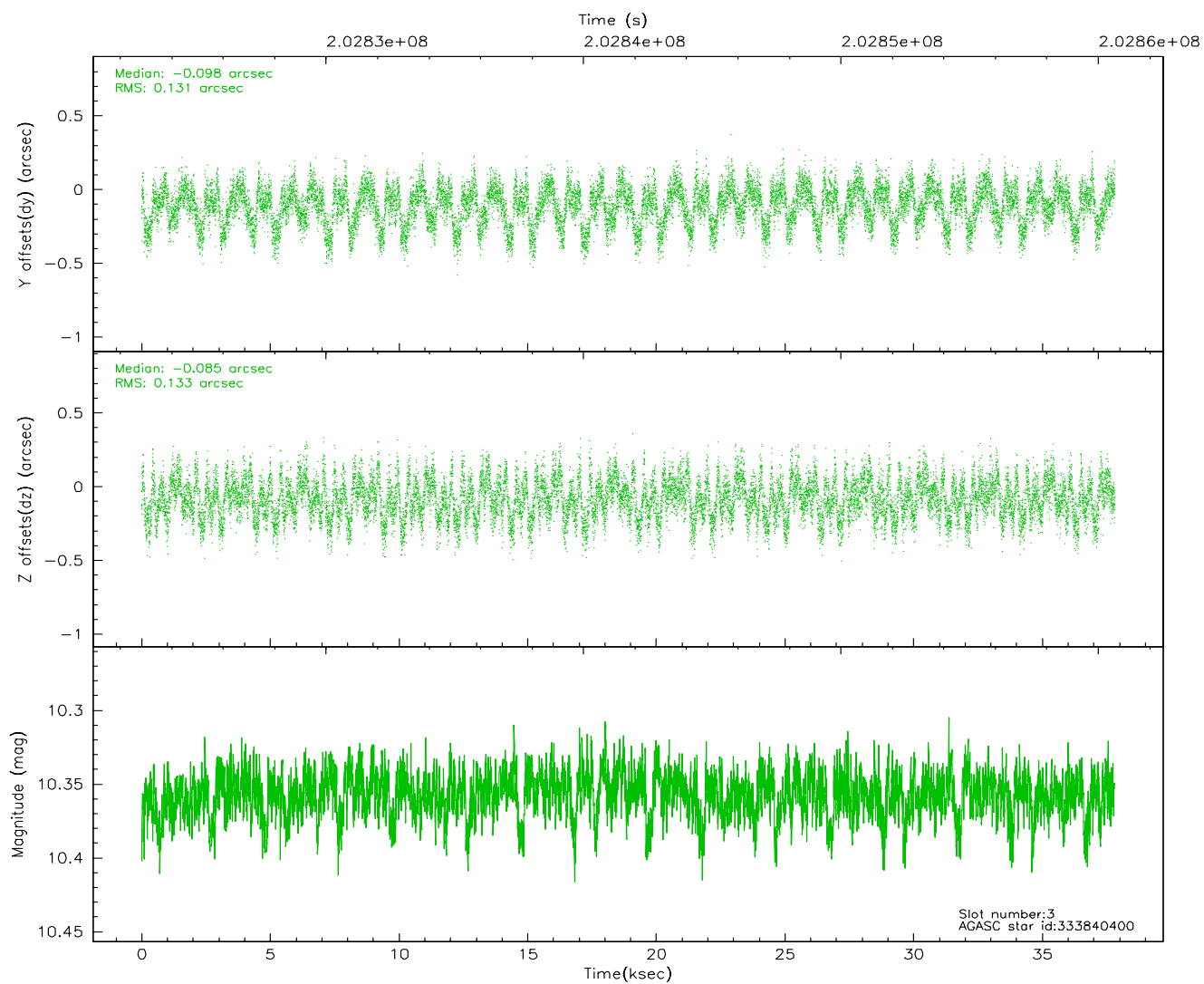
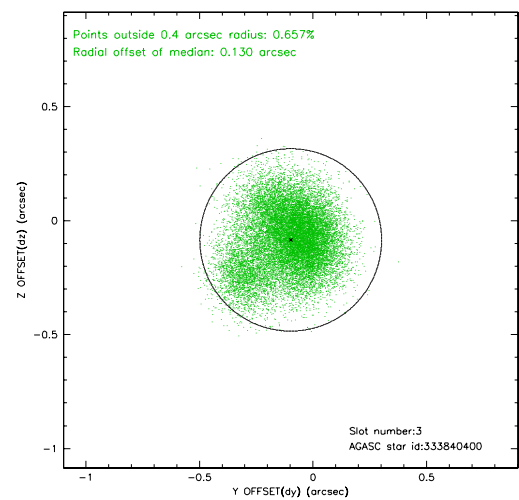
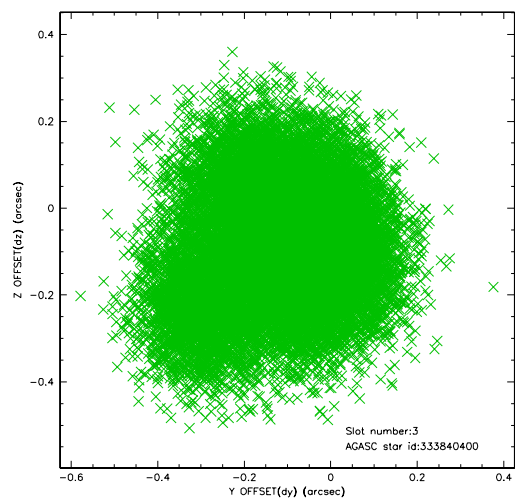


Slot Statistics

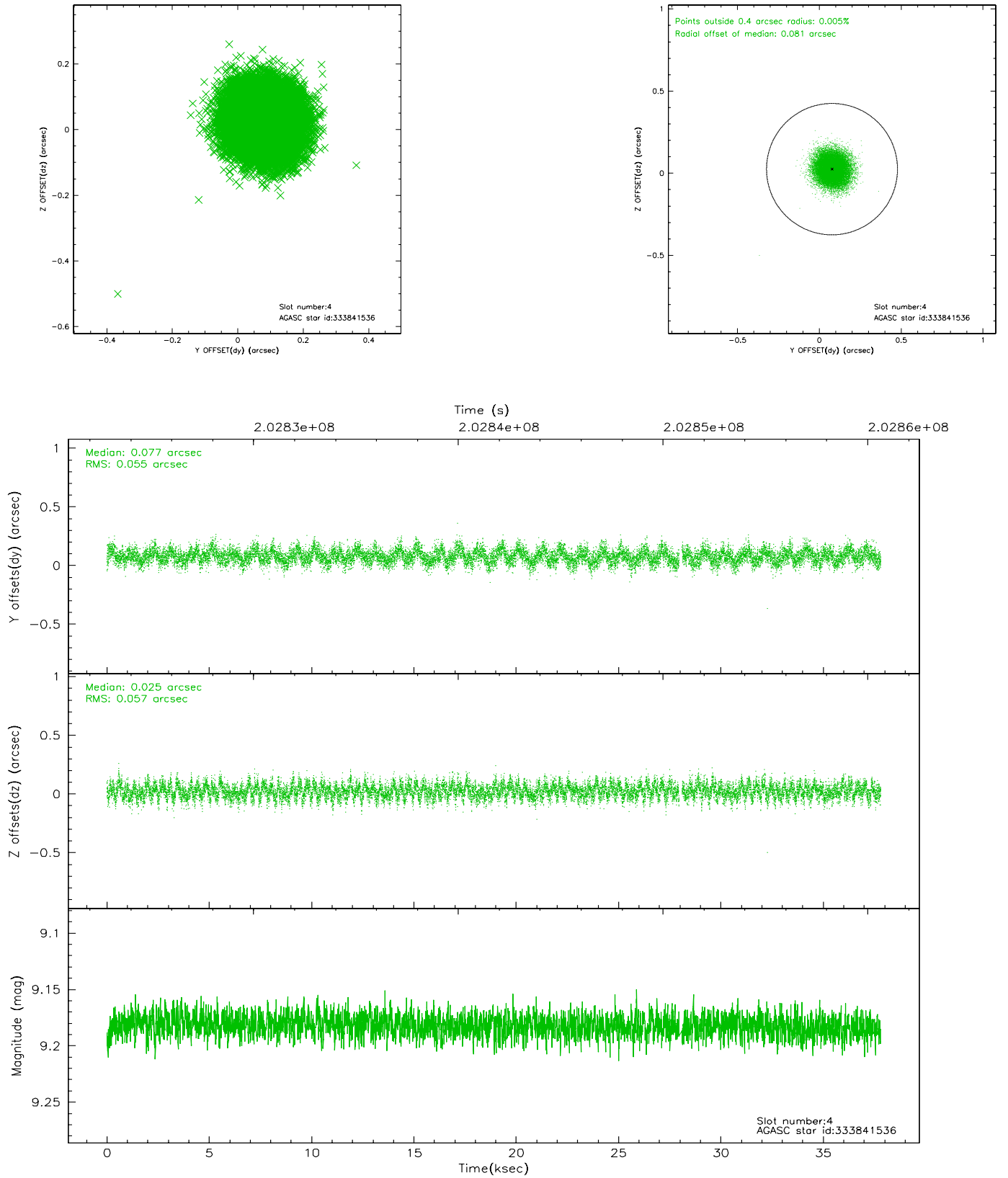
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	9222	-0.034	-0.016	0.013	0.020	0.000000	0.000000	-759.32	-1730.37
1	FID	ACIS-S-4	7.20	9221	0.045	0.021	0.017	0.026	0.000000	0.000000	2154.01	178.13
2	FID	ACIS-S-5	7.23	9222	-0.039	0.003	0.012	0.019	0.000000	0.000000	-1812.14	171.79
3	GUIDE	333840400	10.36	18428	-0.098	-0.085	0.202	0.320	208.287178	34.008982	-1169.91	-1358.71
4	GUIDE	333841536	9.18	18367	0.077	0.025	0.085	0.135	207.736517	33.263675	1885.46	-593.08
5	GUIDE	333843552	8.97	18436	0.022	-0.002	0.082	0.127	207.943128	33.286944	1382.96	-217.61
6	GUIDE	333843816	9.57	18434	0.238	0.228	0.120	0.195	208.078015	32.856933	2174.10	1174.34
7	GUIDE	333844520	9.31	18428	-0.222	-0.159	0.082	0.133	208.057673	33.708550	75.94	-1062.53

2.4 Star Slots

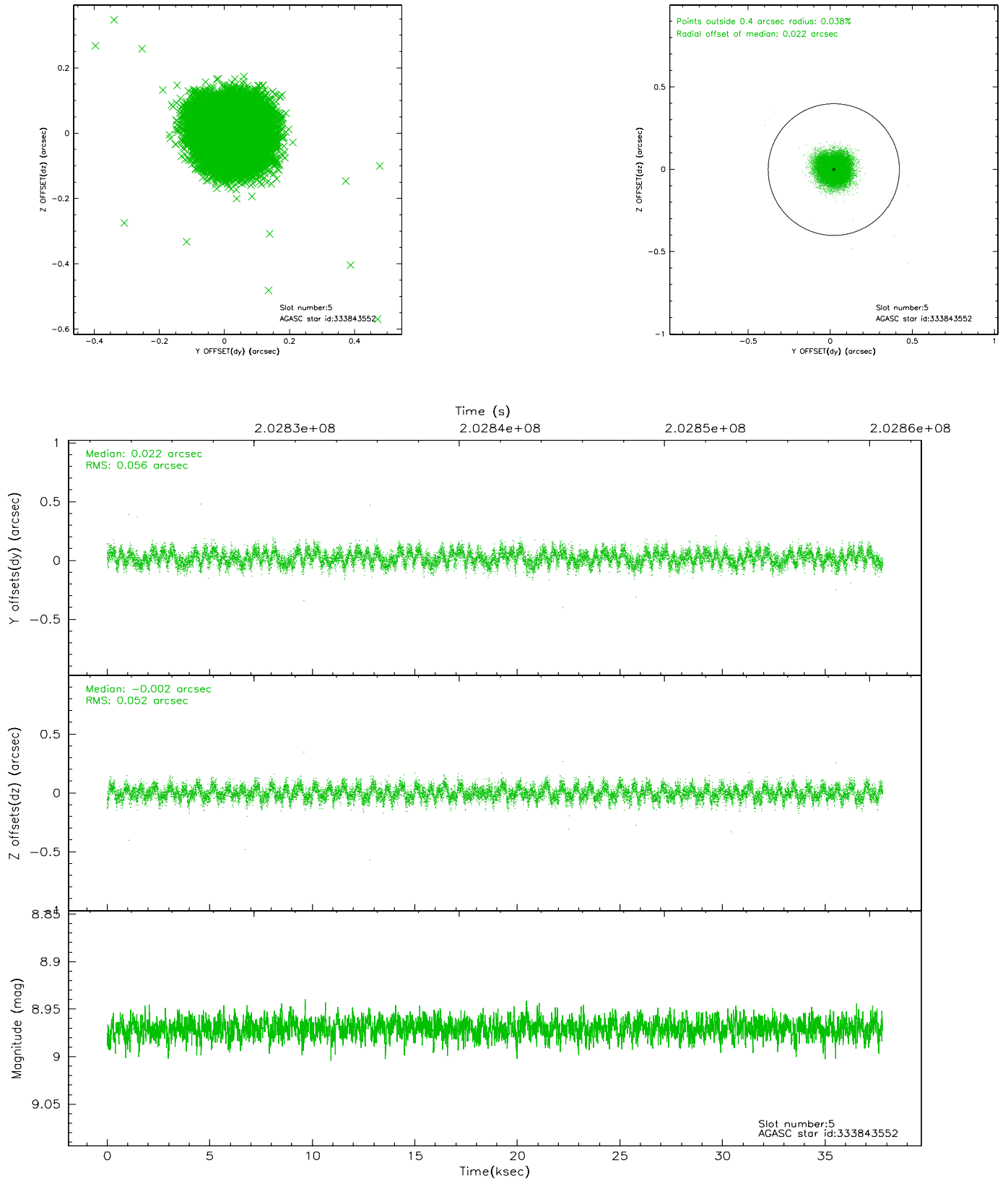
2.4.1 Slot 3



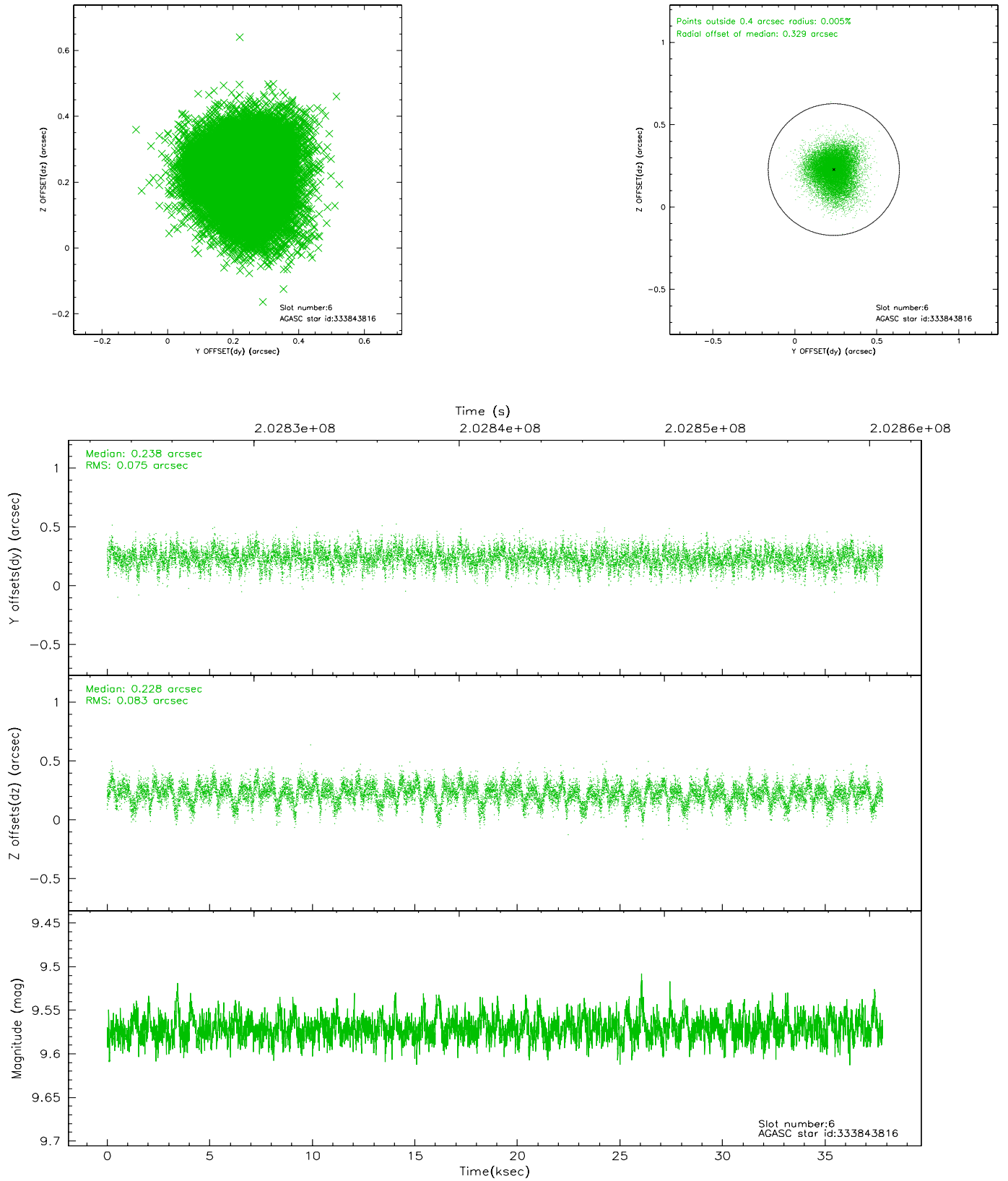
2.4.2 Slot 4



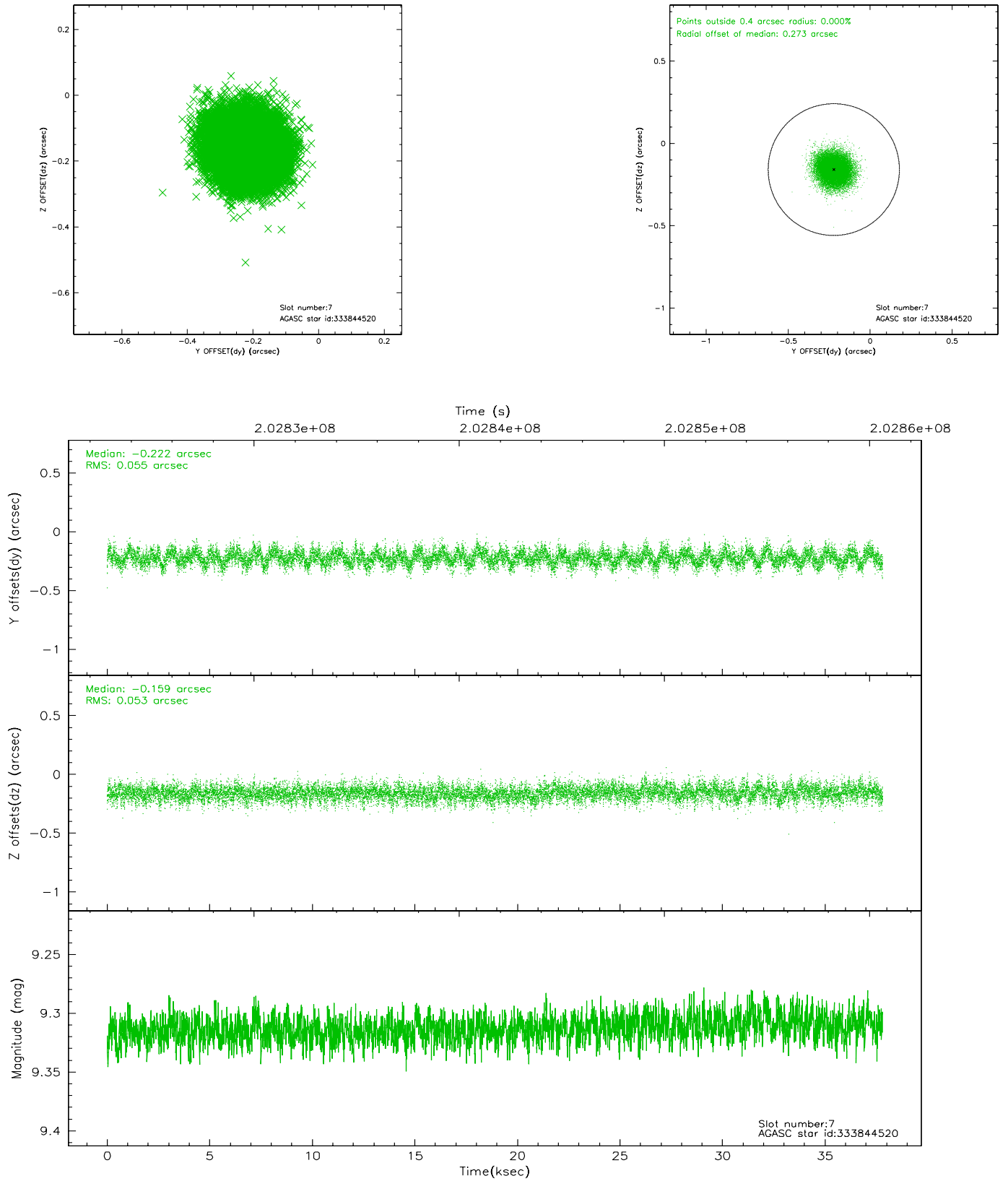
2.4.3 Slot 5



2.4.4 Slot 6

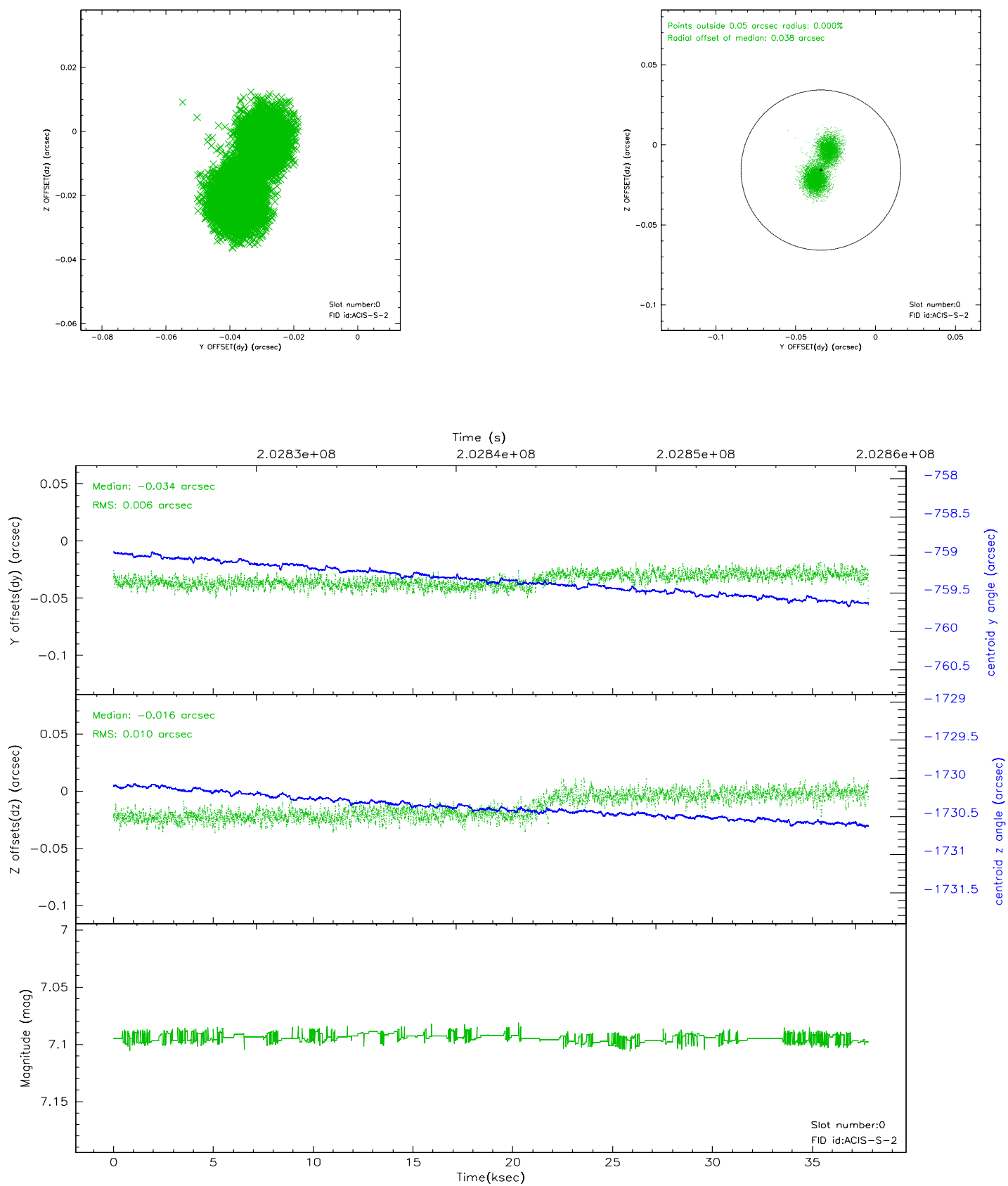


2.4.5 Slot 7

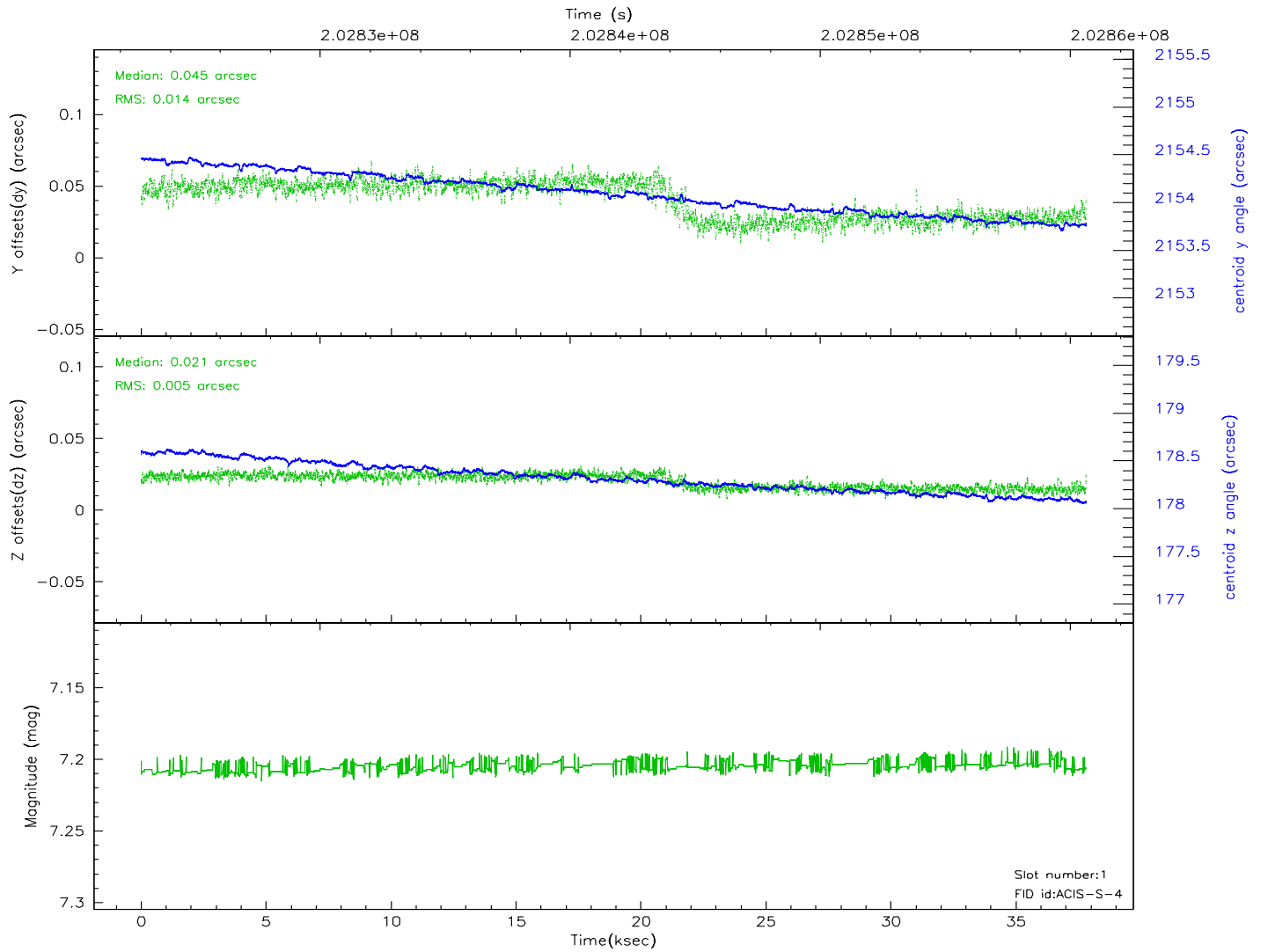
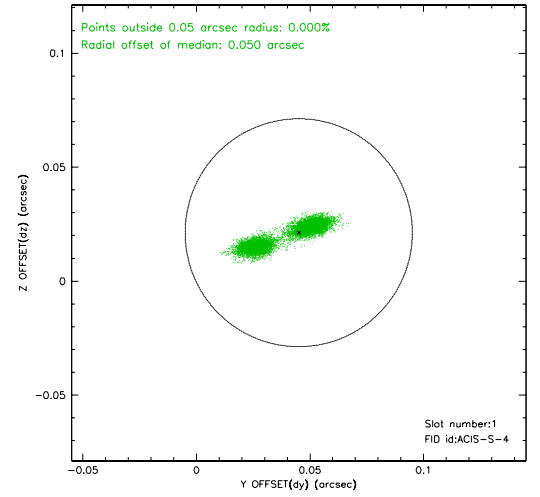
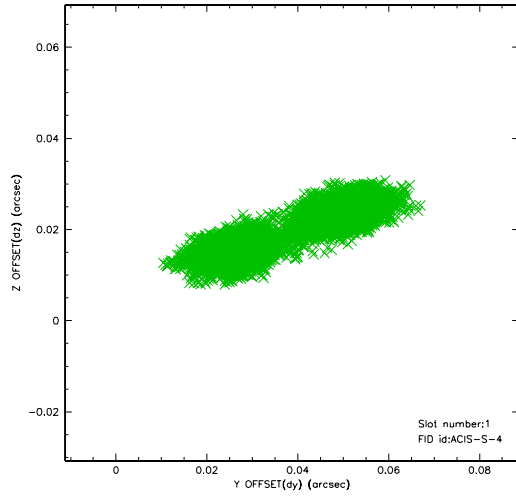


2.5 FID Slots

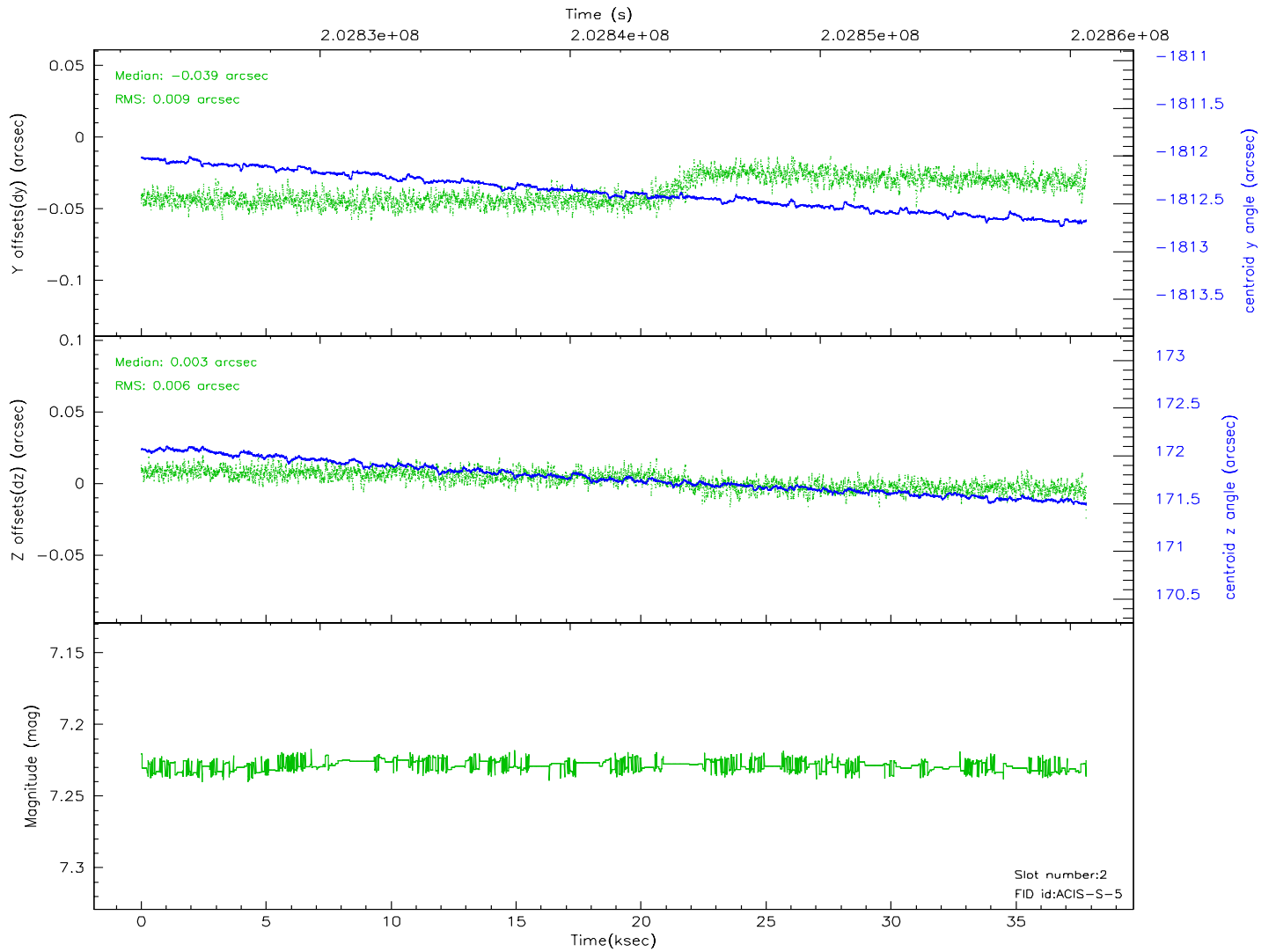
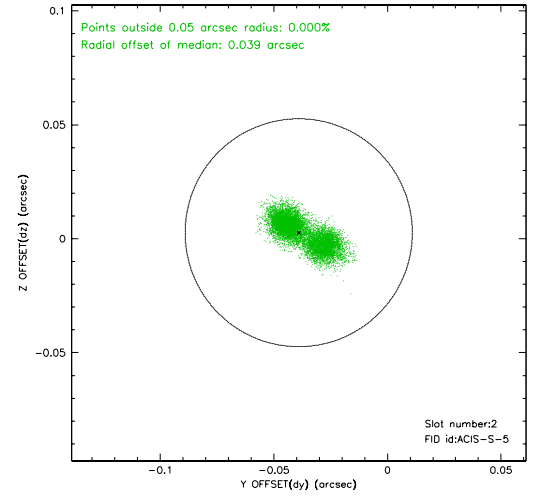
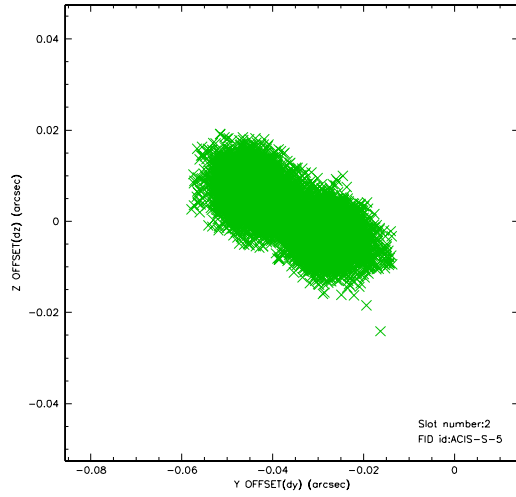
2.5.1 Slot 0



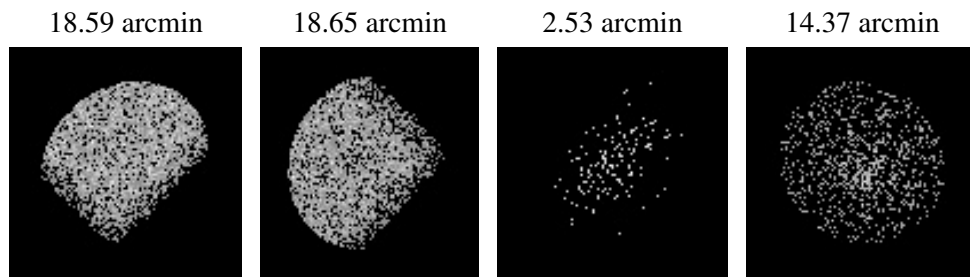
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2006.05.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	37.407

A.2 Comments

Count rate increases approximately 35 ksec into the observation, reaching twice the count rate of the majority of the observation by the end of the observation. There is also a smaller spike in the count rate at about 30 ksec into the observation. It's possible these 2 changes in the count rate are due to radiation environment of the satellite.