

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 5468 - L2 Version 003
Chandra X-Ray Center

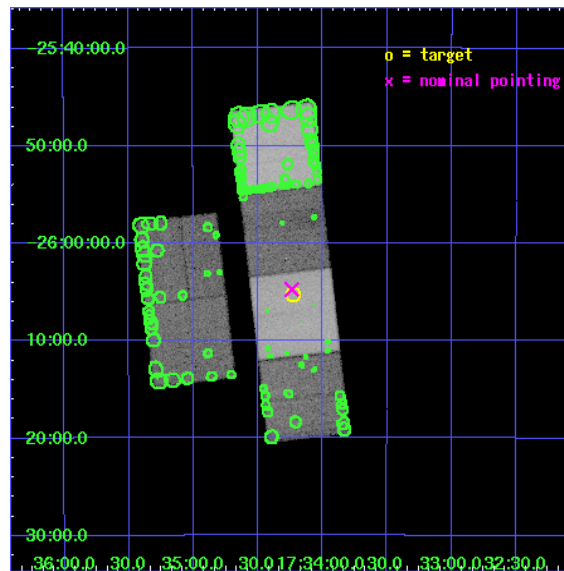
L2 Processing Date : Mar 8 2006

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1 Front

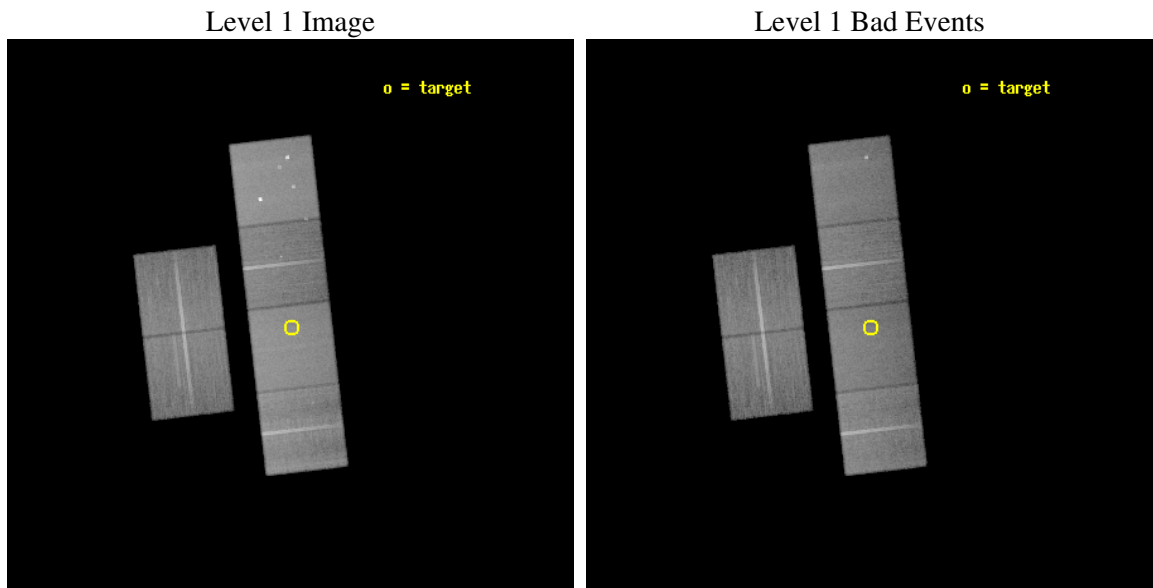
seq_num	400398
obs_id	5468
title	Cooling curves of accretion-heated neutron stars
observer	Dr. Rudy Wijnands
object	KS 1731-260
dtcycle	0
cycle	P
ra_targ	263.55625
dec_targ	-26.088556
ra_nom	263.5593148412
dec_nom	-26.079291419718
roll_nom	83.467977630834
revision	3
ontime	38953.599854887
livetime	38460.345918482
ontime2	38953.599854887
ontime3	38953.599854887
ontime5	38953.599854887
ontime6	38953.599854887
ontime7	38953.599854887
ontime8	38950.358884603
l2events	464052



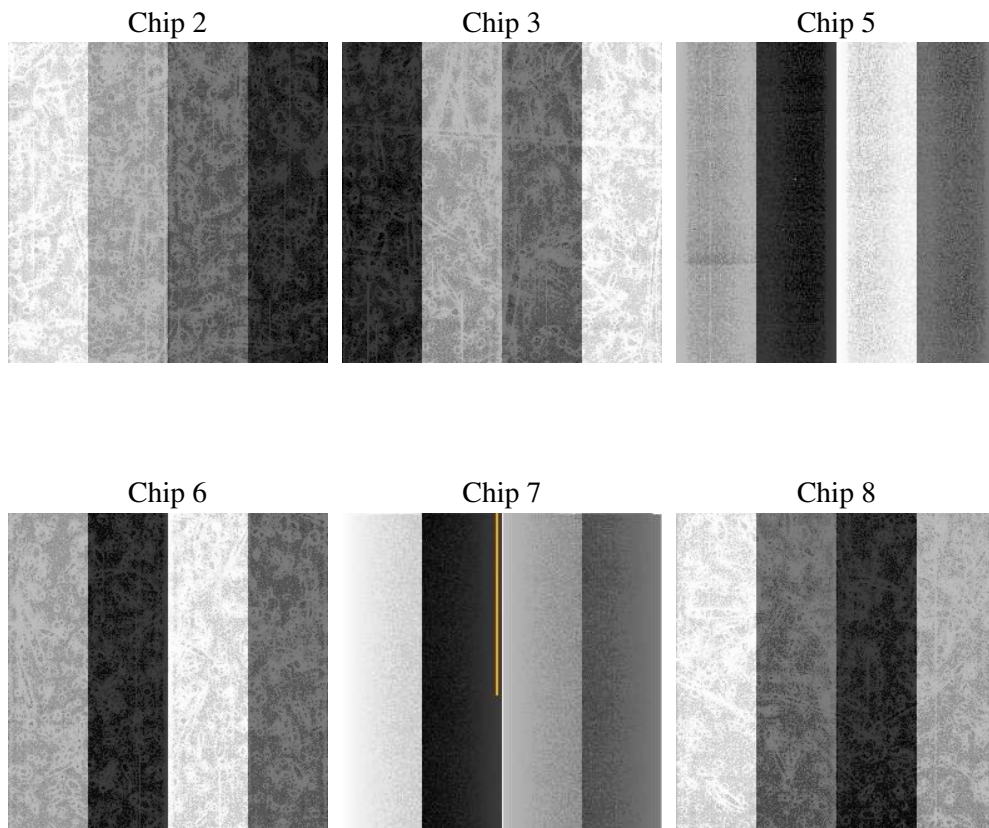
2 OBI

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	2006-03-08T21:32:49
revision	3

sched_exp_time	39200.000000
ontime	38960.192367554
ontime2	38960.192367554
ontime3	38960.192367554
ontime5	38960.192367554
ontime6	38960.192367554
ontime7	38960.192367554
ontime8	38956.951307625
l1events	2111802

2.1.4 Events

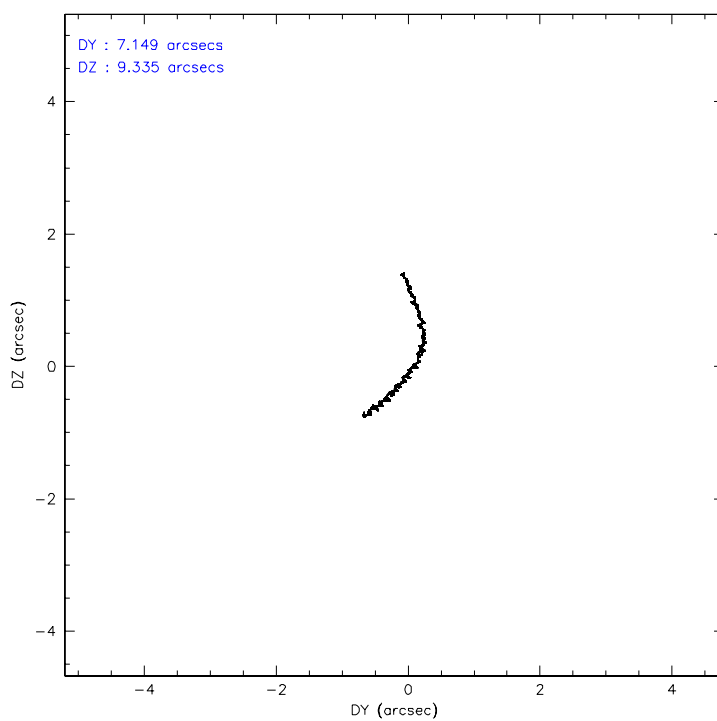
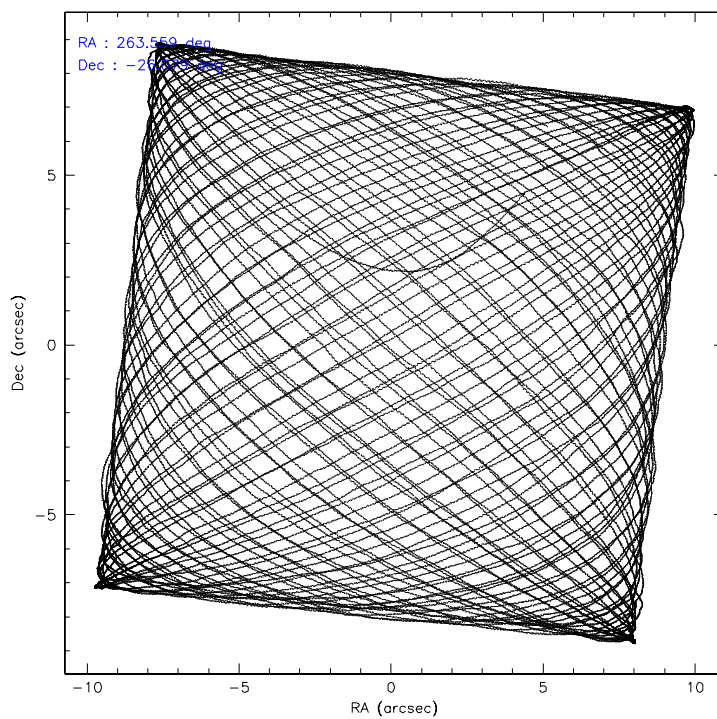
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	295296	286015	453340	296637	404616	375898
rejected events	259319	250430	249829	259895	251227	292838
rejected %	87%	87%	55%	87%	62%	77%

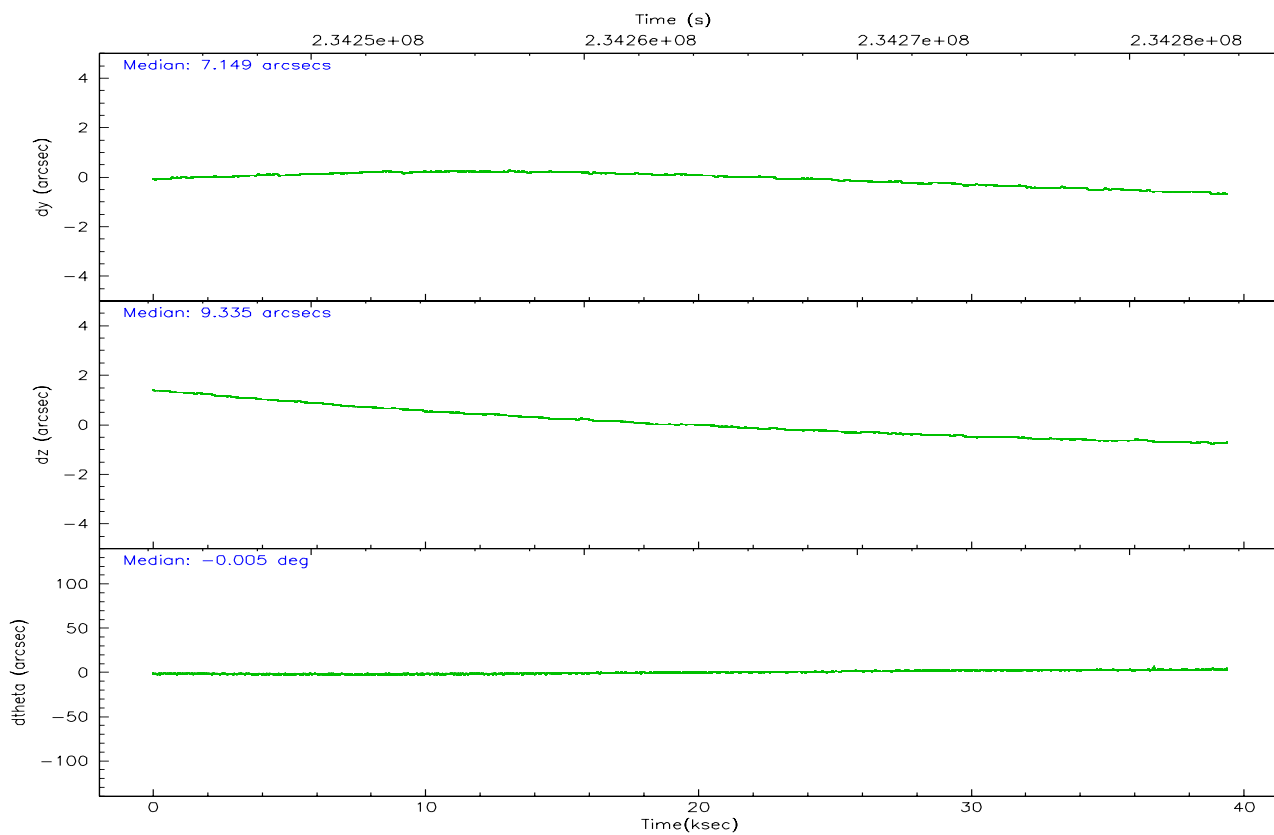
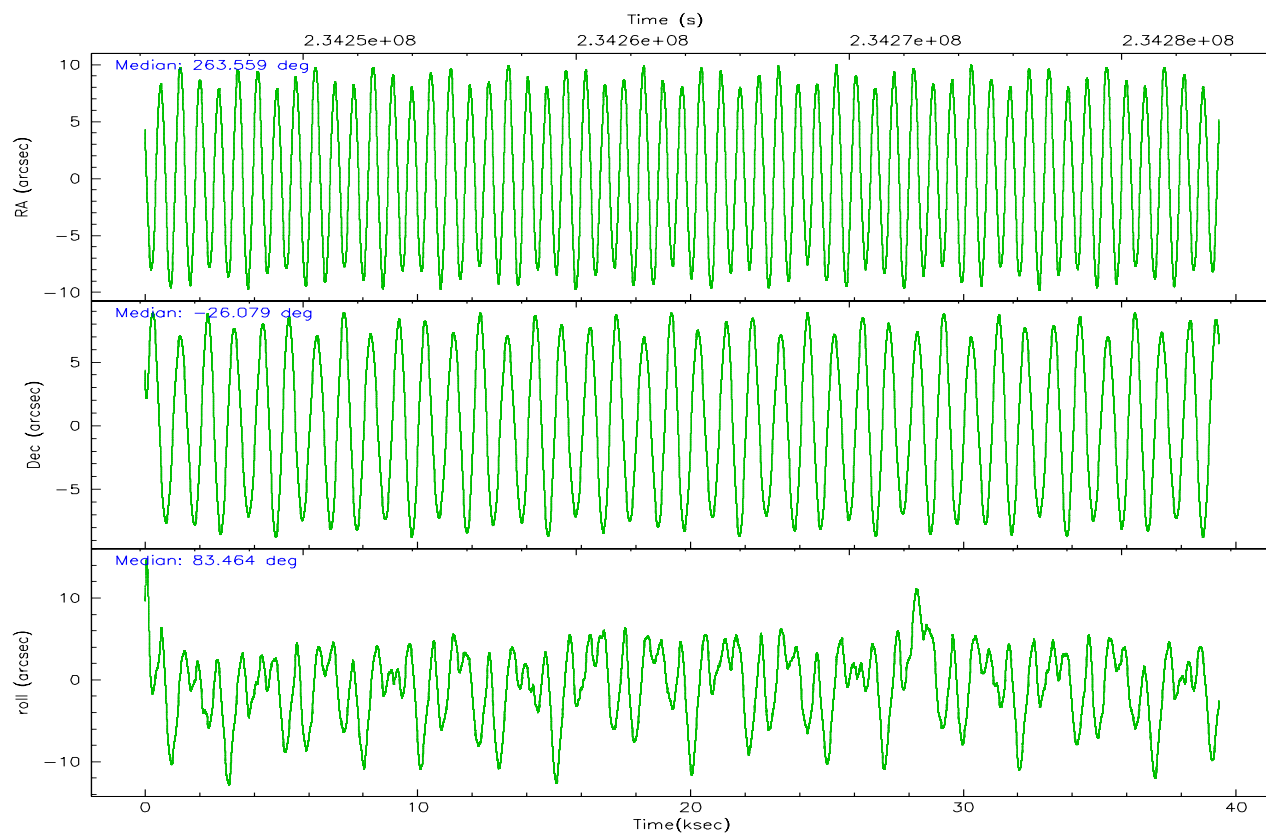
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	16136	15995	21328	14942	8357	27624
	5%	5%	4%	5%	2%	7%
grade 1 events	202	179	415	154	266	298
	0%	0%	0%	0%	0%	0%
grade 2 events	7408	6739	61930	7612	38457	18088
	2%	2%	13%	2%	9%	4%
grade 3 events	3318	3352	4486	3490	7546	8671
	1%	1%	0%	1%	1%	2%
grade 4 events	3311	3456	3966	3439	7361	8120
	1%	1%	0%	1%	1%	2%
grade 5 events	11716	12915	21973	13877	26041	18041
	3%	4%	4%	4%	6%	4%
grade 6 events	5805	6044	111846	7263	91698	20561
	1%	2%	24%	2%	22%	5%
grade 7 events	247400	237335	227396	245860	224890	274495
	83%	82%	50%	82%	55%	73%

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	263.571783	263.5593148411969	Alternating exposures requested	N	N
Pointing Dec	-26.104109	-26.0792914197176	Primary exposure time	0.000000	3.2
Pointing Roll	83.316836	83.46797763083373			
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	234244375.184000	234242970.10352			
Observation start date	2005-06-04T03:51:51	2005-06-04T03:29:30			
Observation end time	234283575.184000	234284498.49292			
Observation end date	2005-06-04T14:45:11	2005-06-04T15:01:38			
Read mode	TIMED	TIMED			

2.3 Aspect



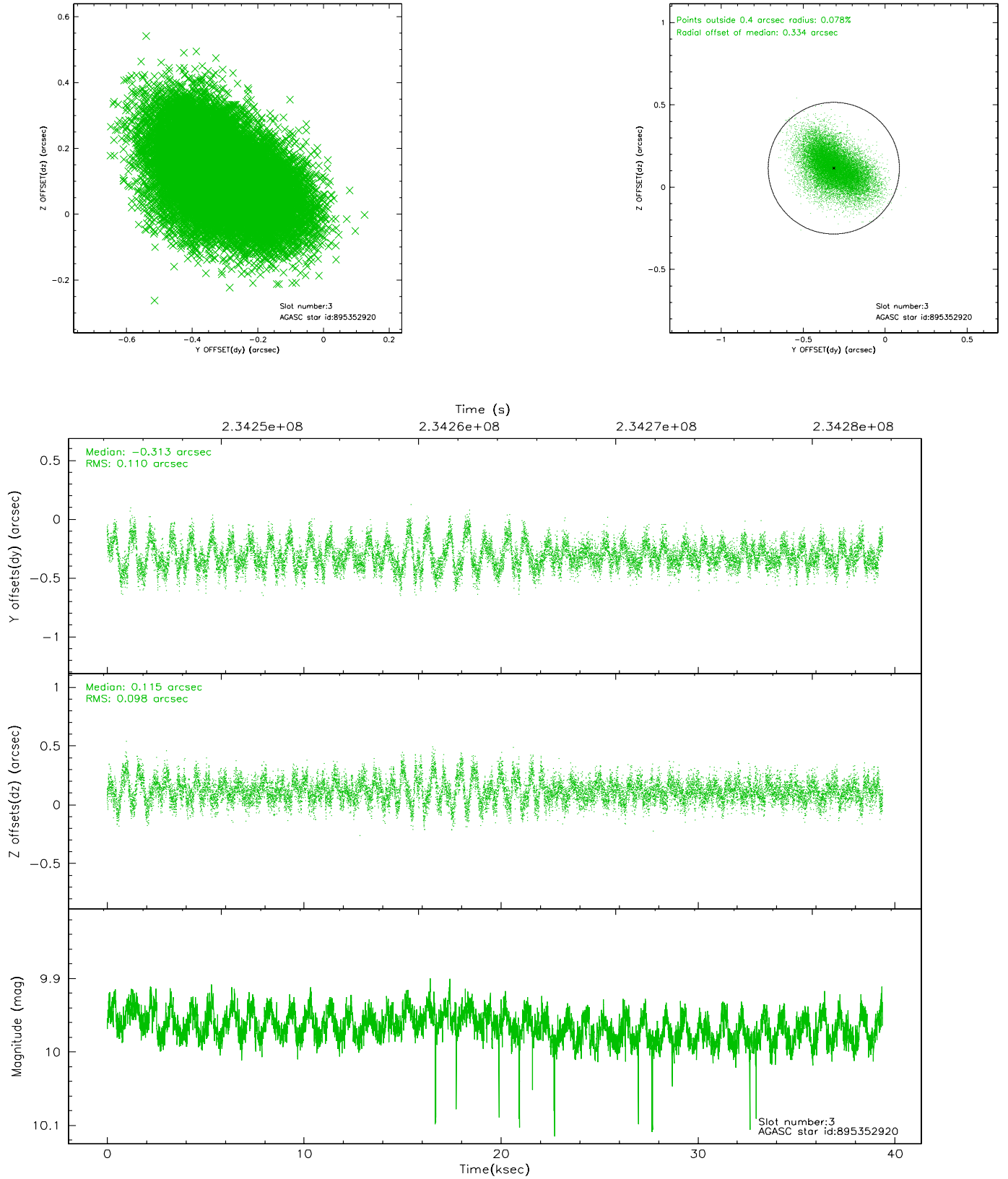


Slot Statistics

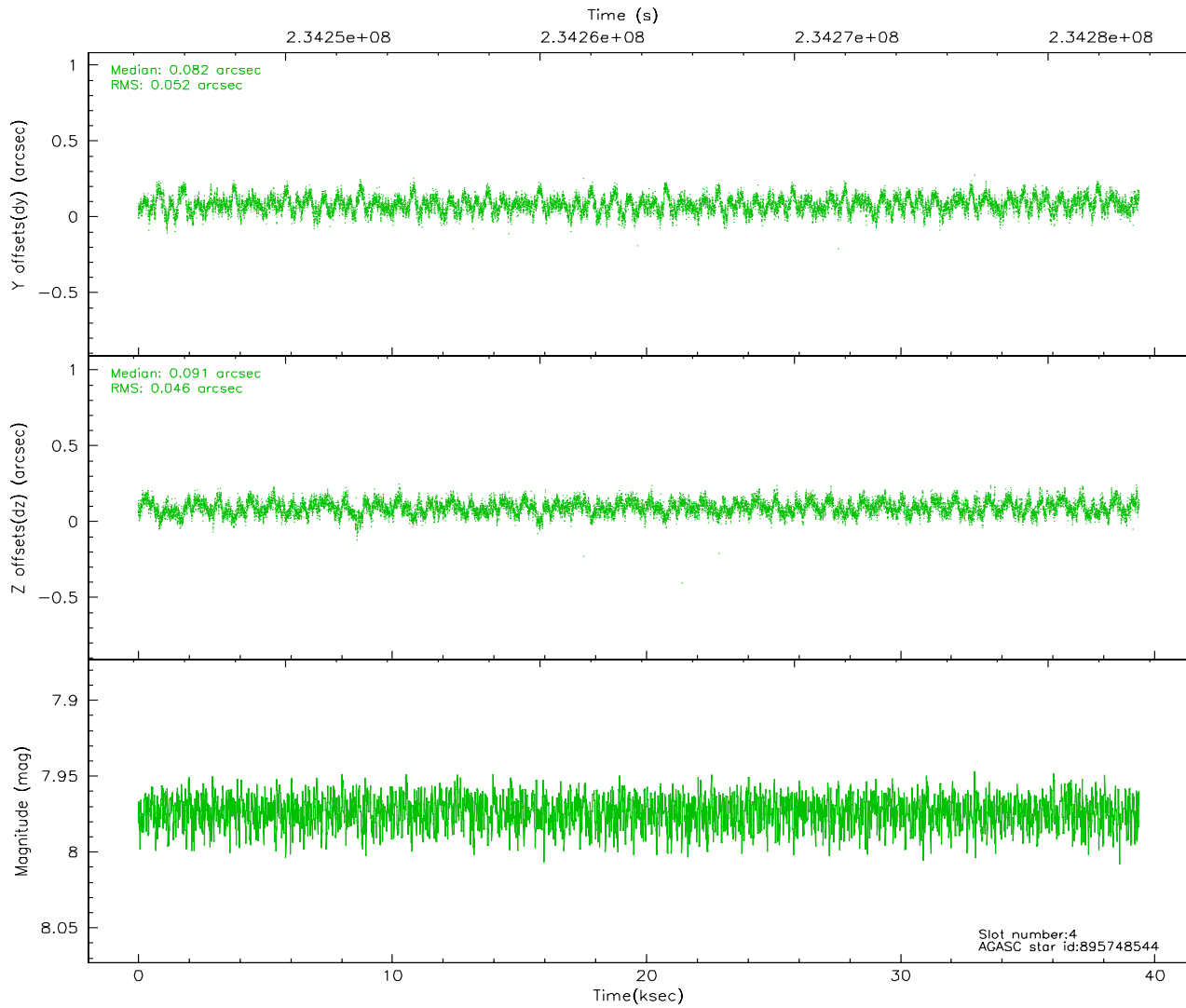
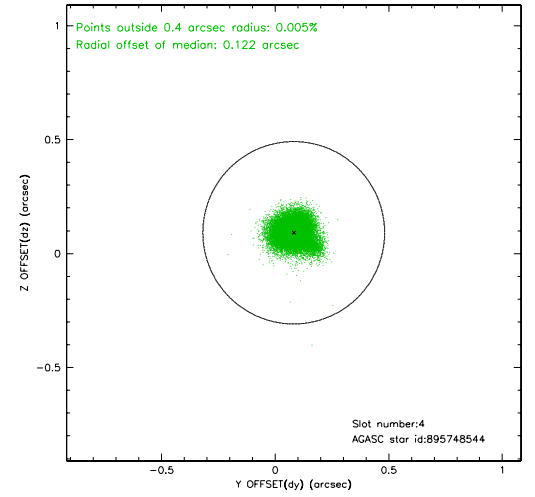
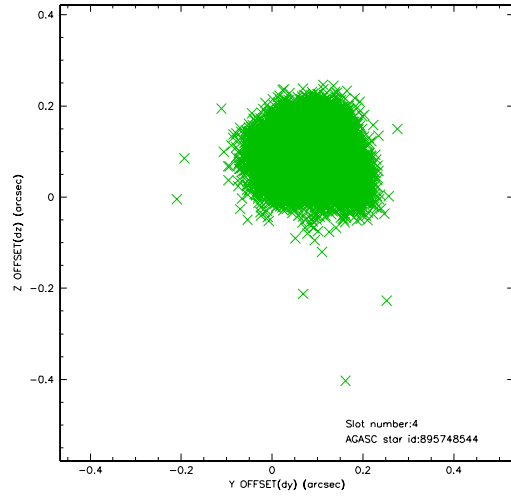
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	9607	-0.035	-0.023	0.013	0.027	0.000000	0.000000	-759.84	-1730.69
1	FID	ACIS-S-4	7.20	9605	0.052	0.022	0.009	0.015	0.000000	0.000000	2153.49	177.85
2	FID	ACIS-S-5	7.23	9607	-0.048	0.009	0.013	0.026	0.000000	0.000000	-1812.70	171.48
3	GUIDE	895352920	9.97	19178	-0.313	0.115	0.156	0.260	264.217496	-25.713600	1634.95	-1916.75
4	GUIDE	895748544	7.97	19210	0.082	0.091	0.074	0.120	263.692859	-26.739685	-2226.90	-653.06
5	GUIDE	895881920	9.41	19203	0.161	-0.047	0.103	0.171	263.913988	-26.630022	-1753.28	-1314.47
6	GUIDE	895223200	10.46	19112	0.030	-0.275	0.218	0.336	262.834279	-26.055766	-111.64	2387.82
7	GUIDE	895353104	10.18	19193	0.045	0.108	0.226	0.381	263.748270	-25.444684	2423.54	-292.50

2.4 Star Slots

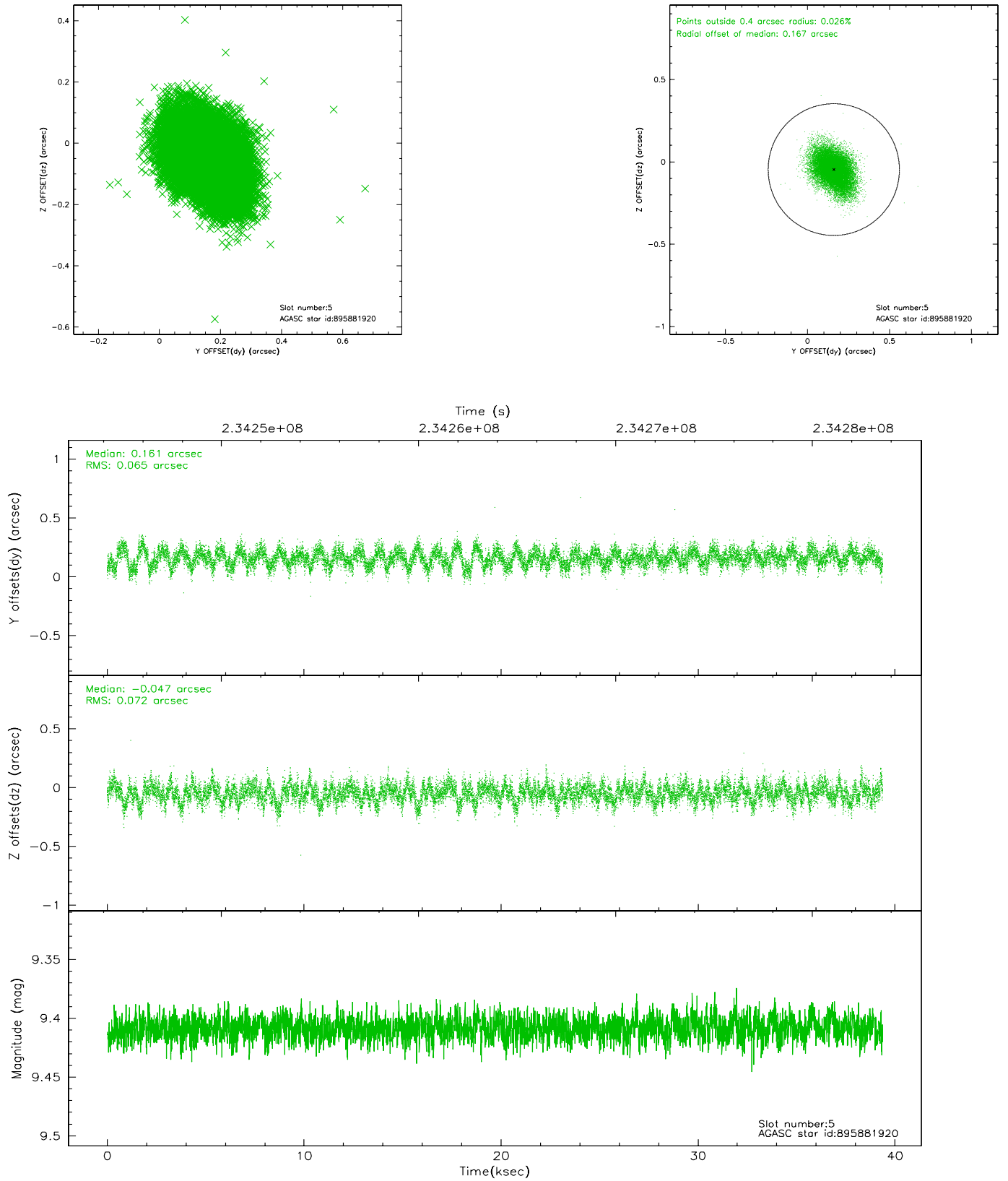
2.4.1 Slot 3



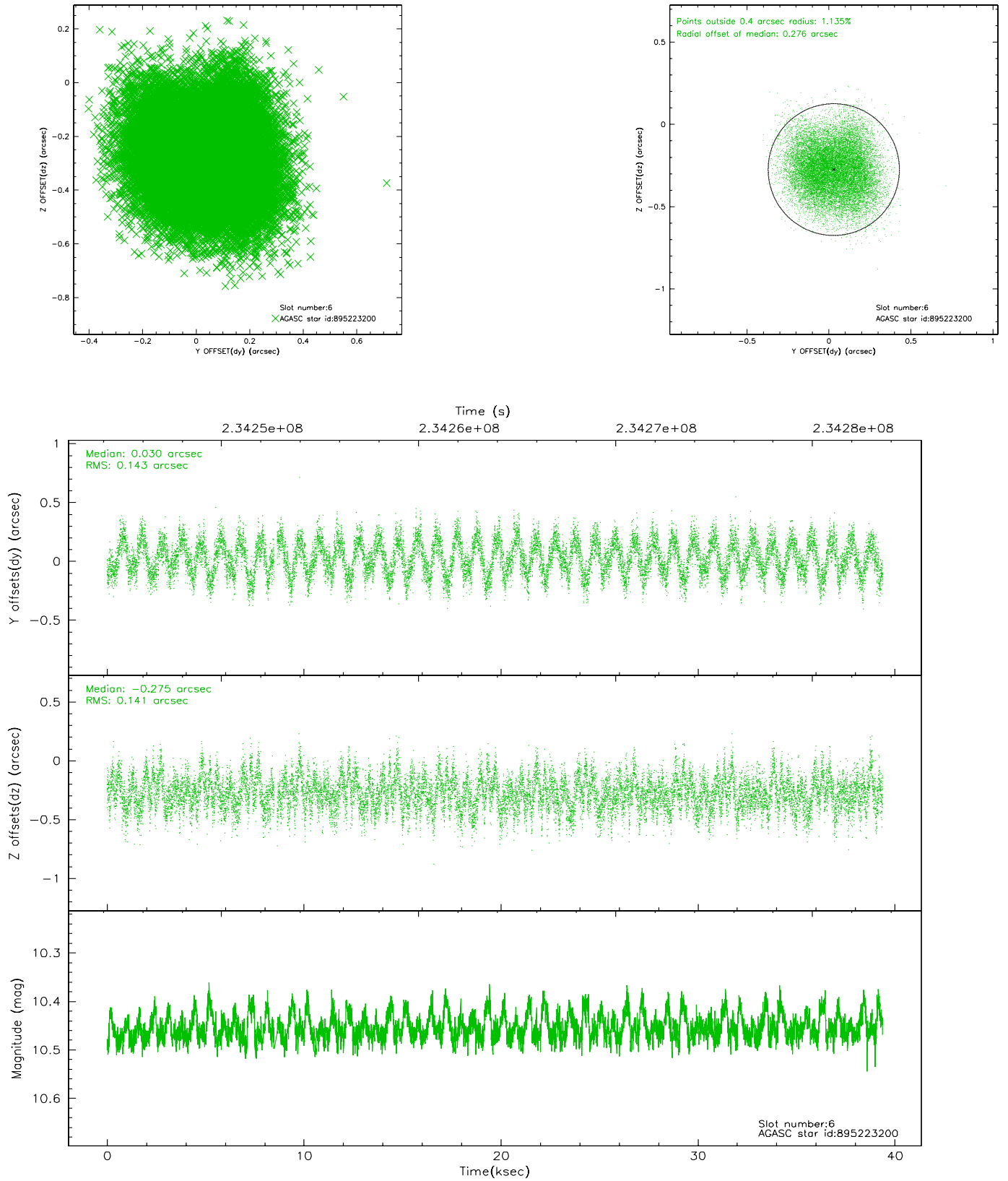
2.4.2 Slot 4



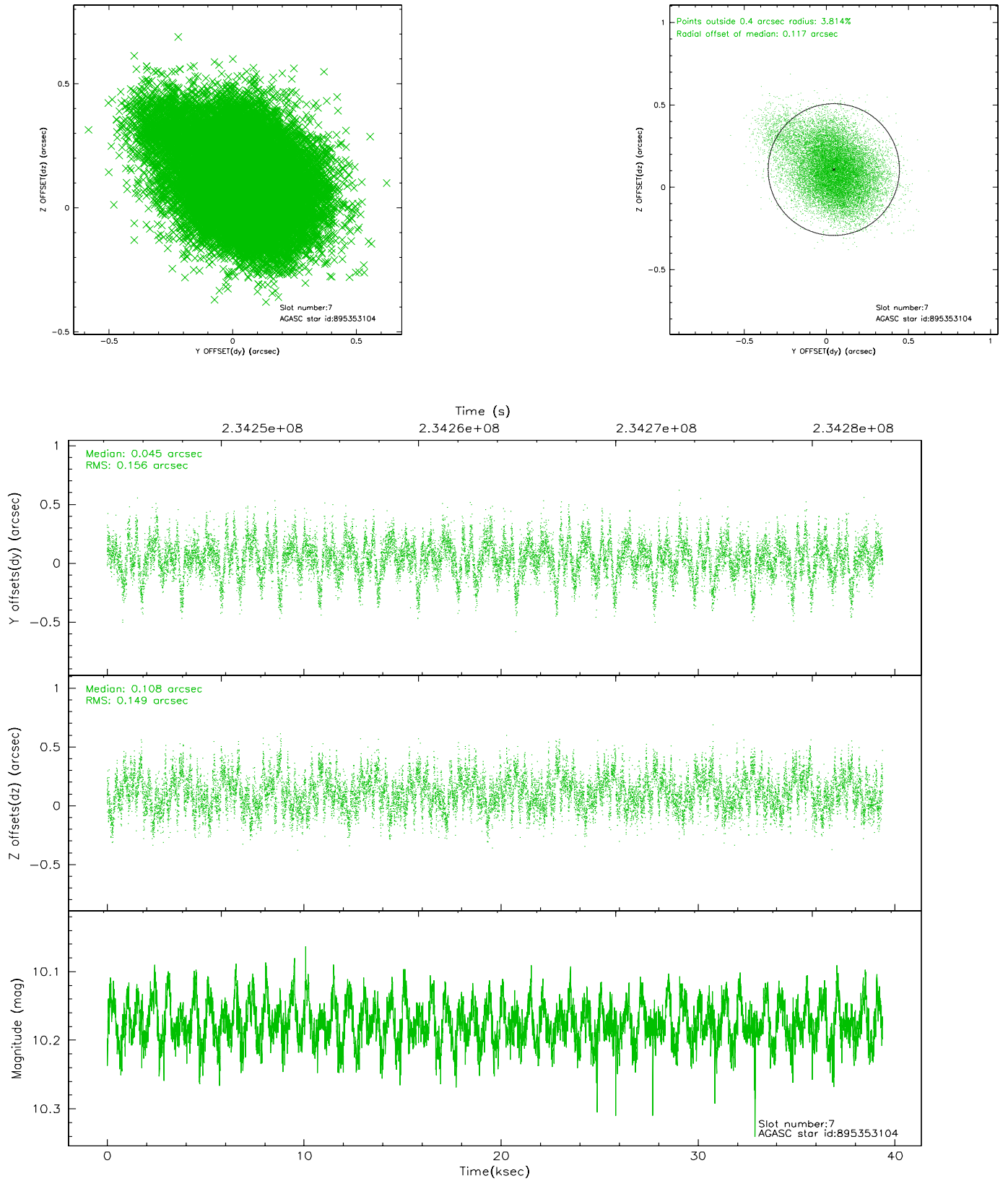
2.4.3 Slot 5



2.4.4 Slot 6

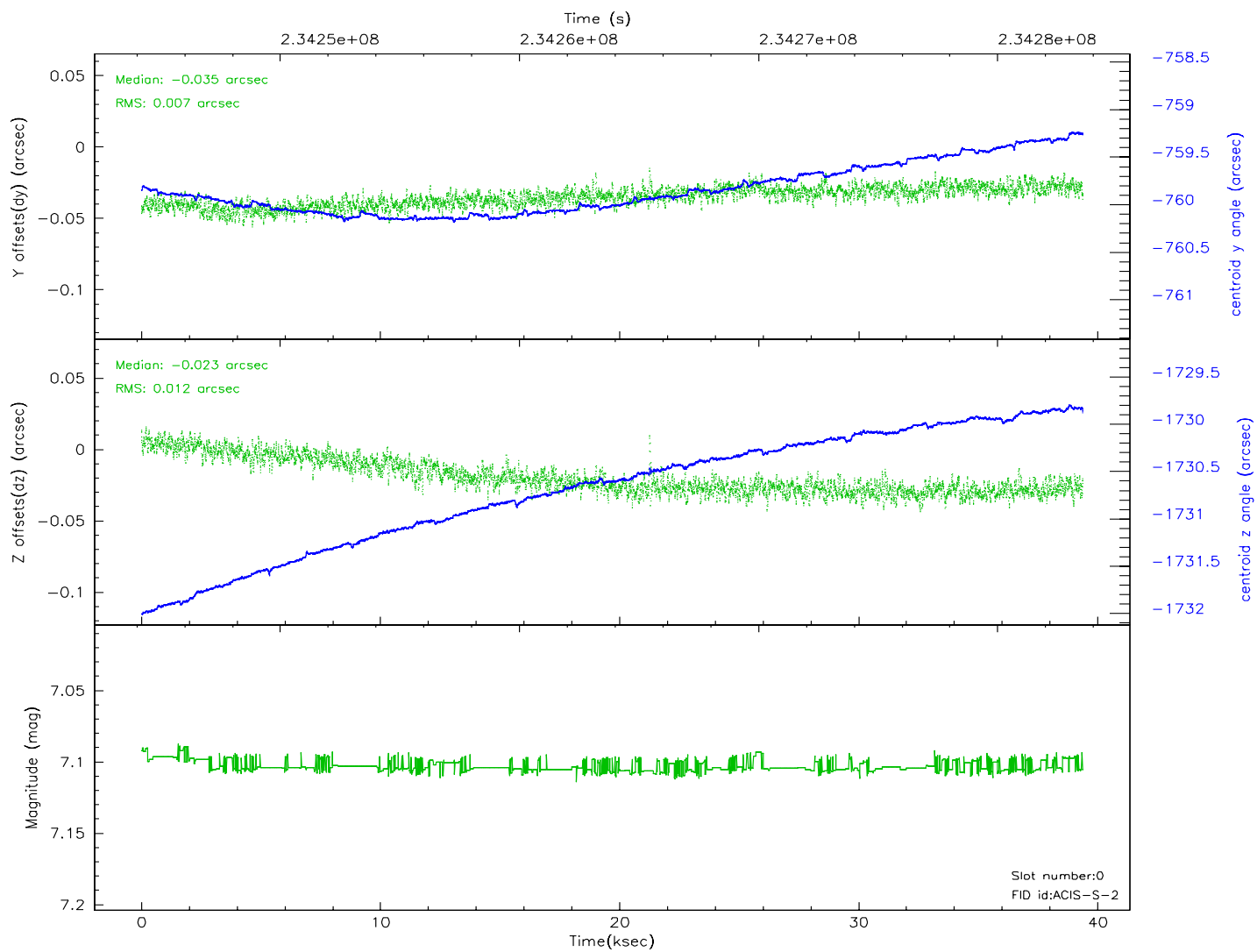
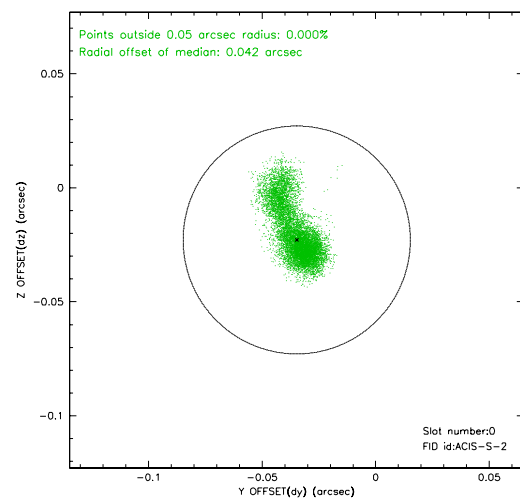
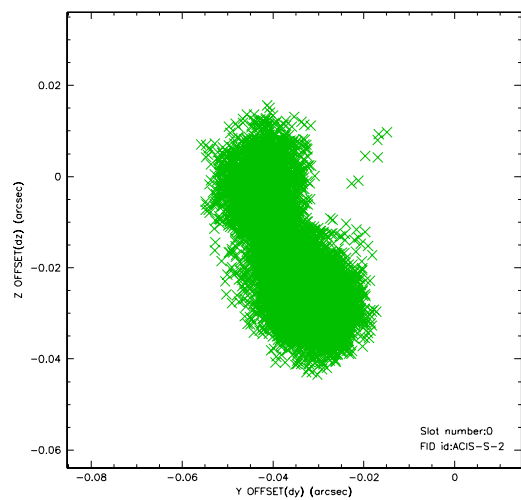


2.4.5 Slot 7

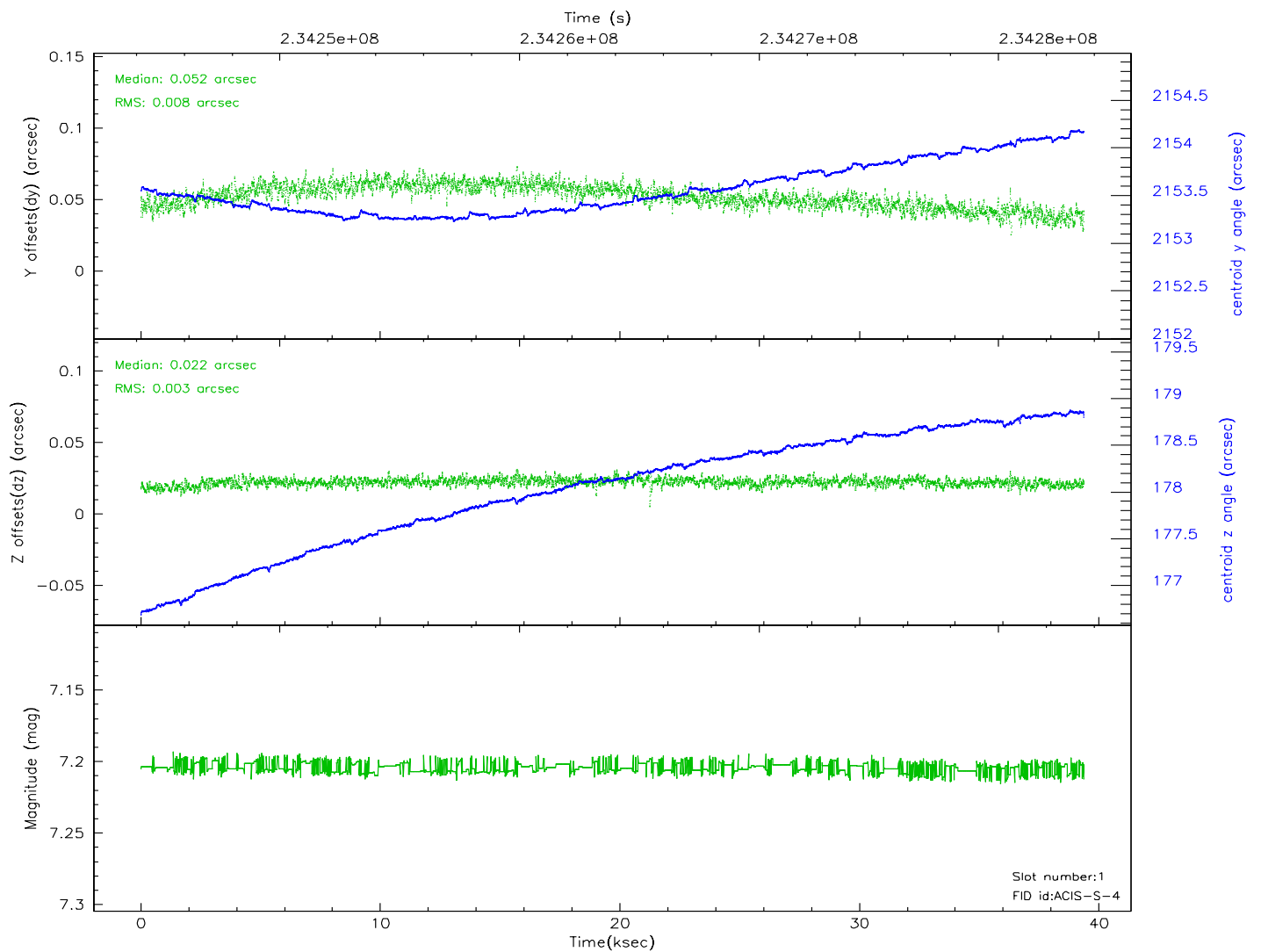
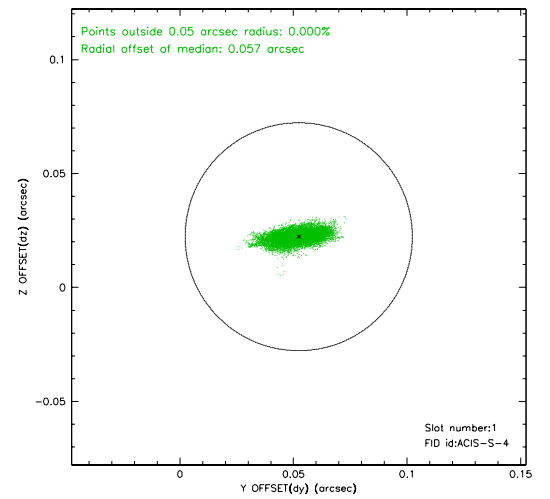
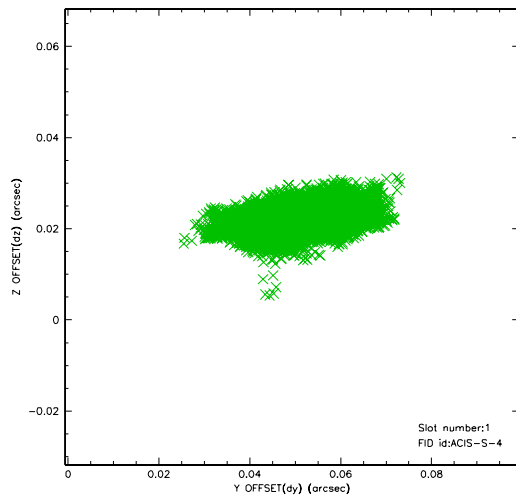


2.5 FID Slots

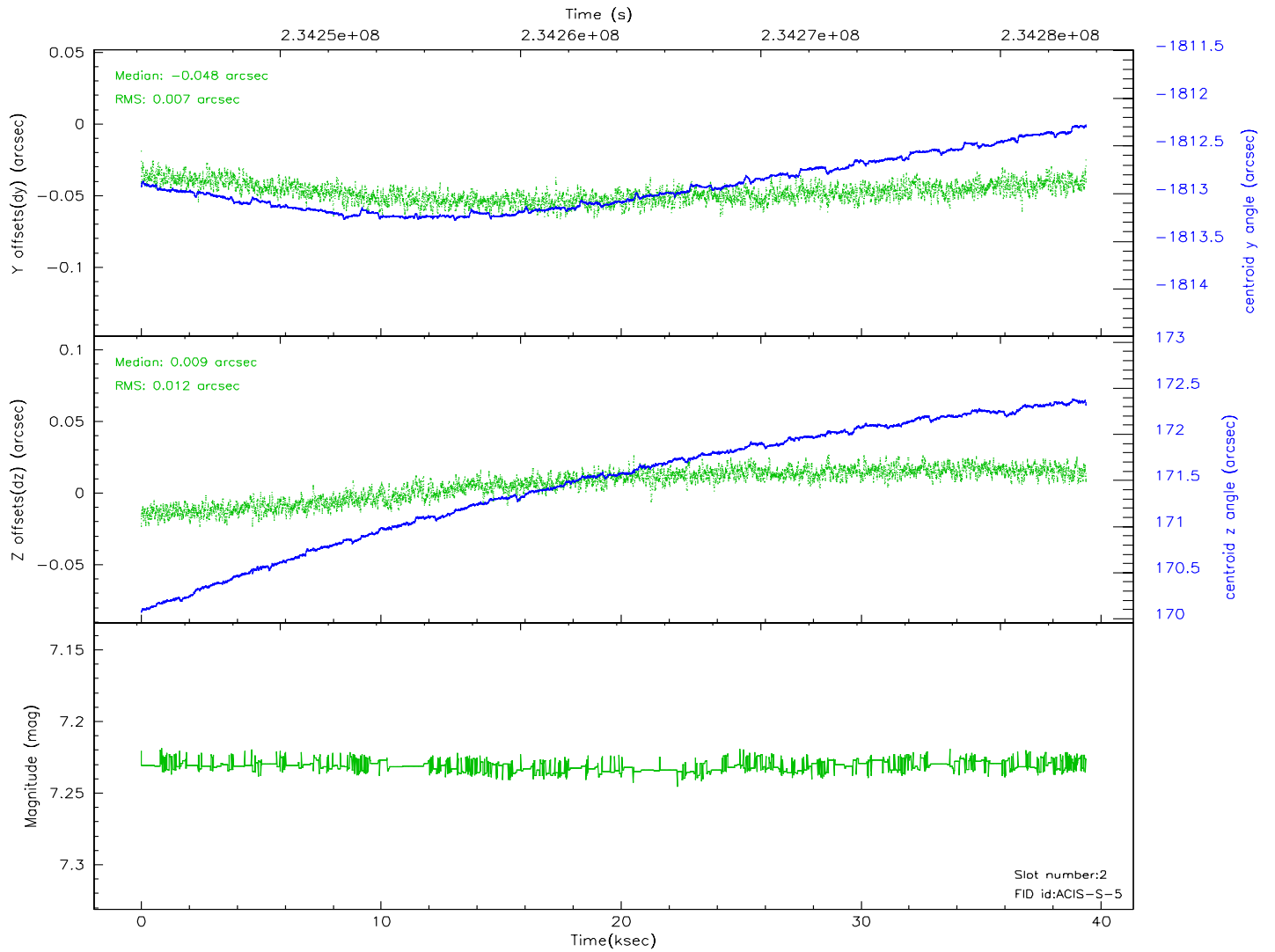
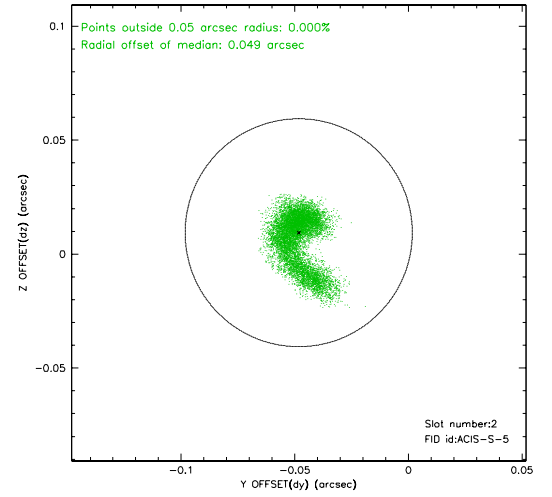
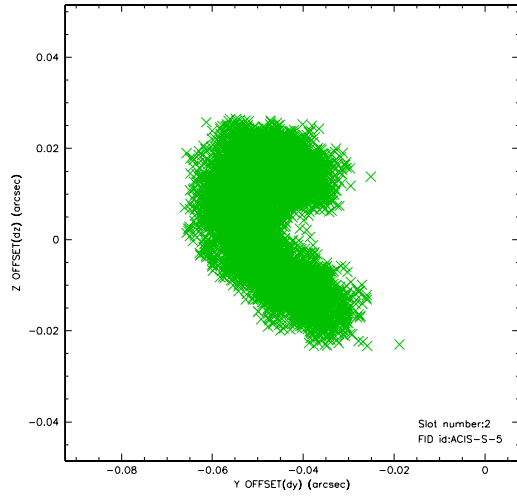
2.5.1 Slot 0



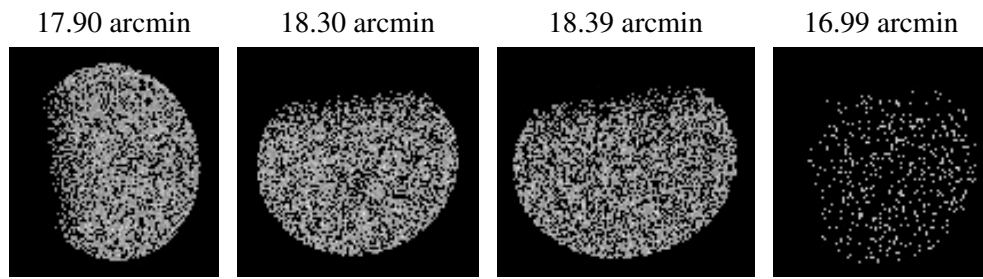
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.03.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	38.95359

A.2 Comments