

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 3780 - L2 Version 001
Chandra X-Ray Center

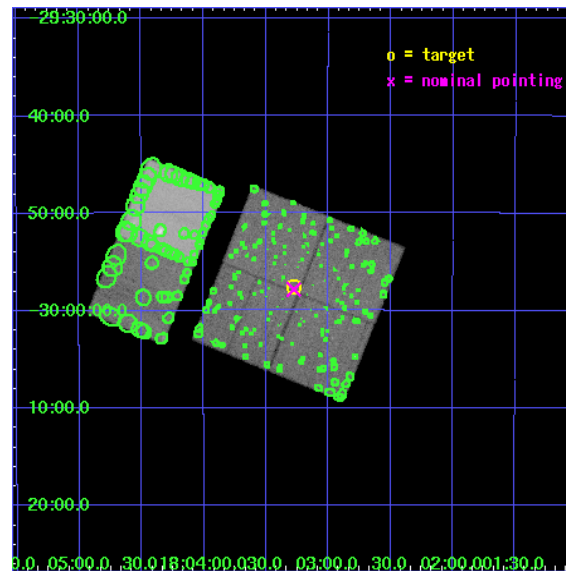
L2 Processing Date : Jul 18 2006

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1 Front

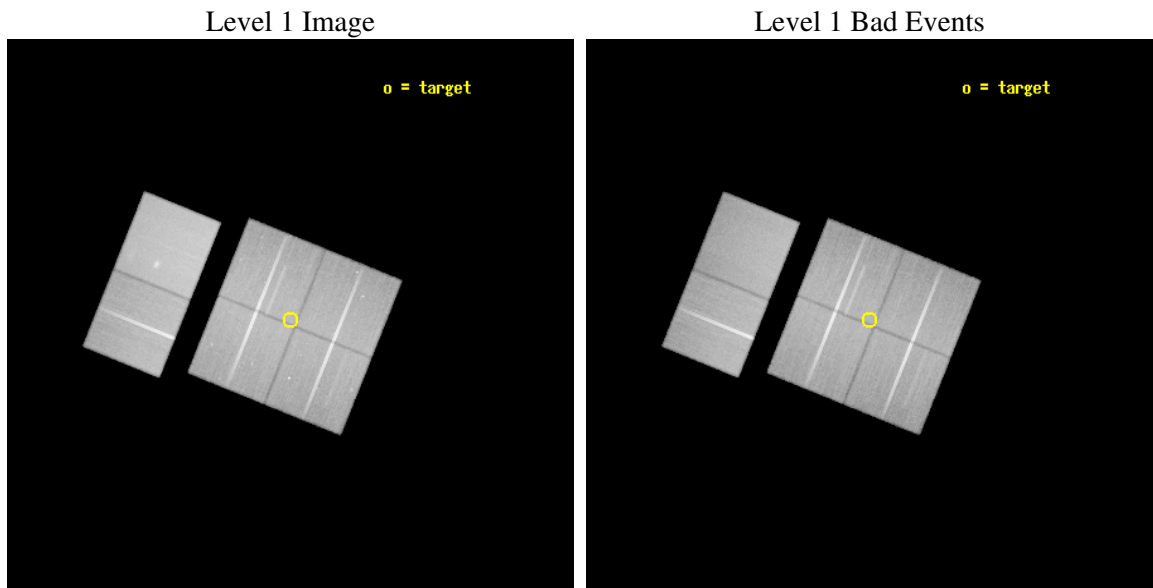
seq_num	300105
obs_id	3780
title	X-RAYING BAADE'S WINDOW THROUGH THE GALACTIC BULGE
observer	Prof. Jonathan Grindlay
object	BAADE'S WINDOW FIELD 1
dtcycle	0
cycle	P
ra_targ	270.819333
dec_targ	-29.959467
ra_nom	270.81923644226
dec_nom	-29.96408702034
roll_nom	291.9643040463
revision	3
ontime	97727.876715034
livetime	96490.387495406
ontime0	97724.635734737
ontime1	97731.117695272
ontime2	97724.635734767
ontime3	97727.876715034
ontime6	97727.876714975
ontime7	97731.11771521
l2events	699876



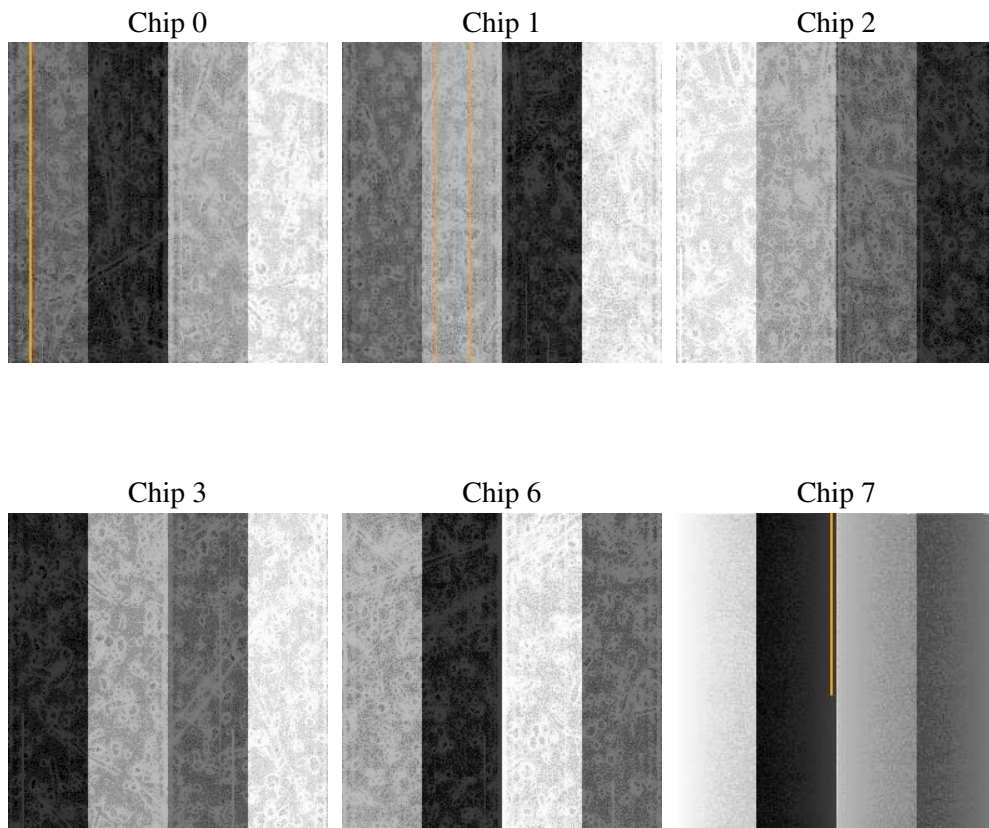
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.8
caldsver	3.2.2
date	2006-07-18T19:10:59
revision	3

sched_exp_time	97771.000000
ontime	97732.613240868
ontime0	97729.372260571
ontime1	97735.854221106
ontime2	97729.3722606
ontime3	97732.613240868
ontime6	97732.613240808
ontime7	97735.854241043
l1events	3748820

2.1.4 Events

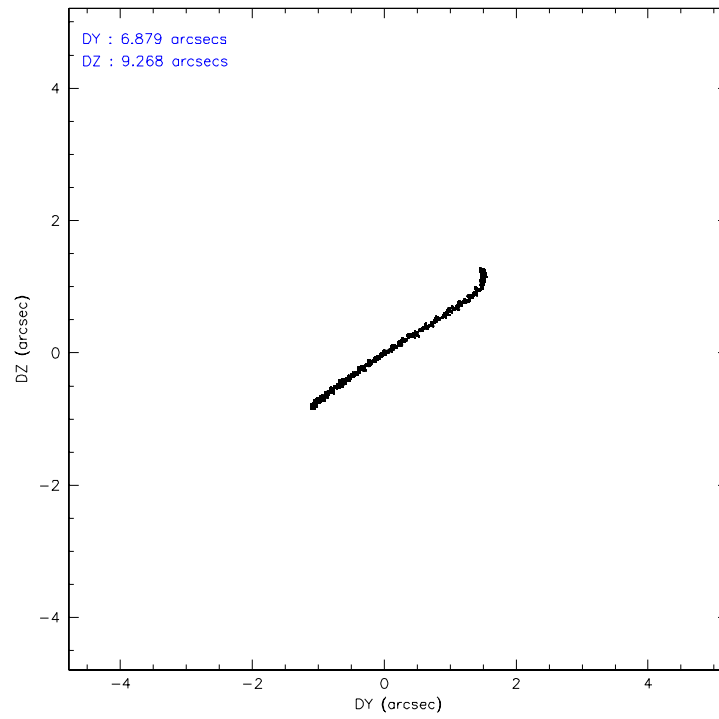
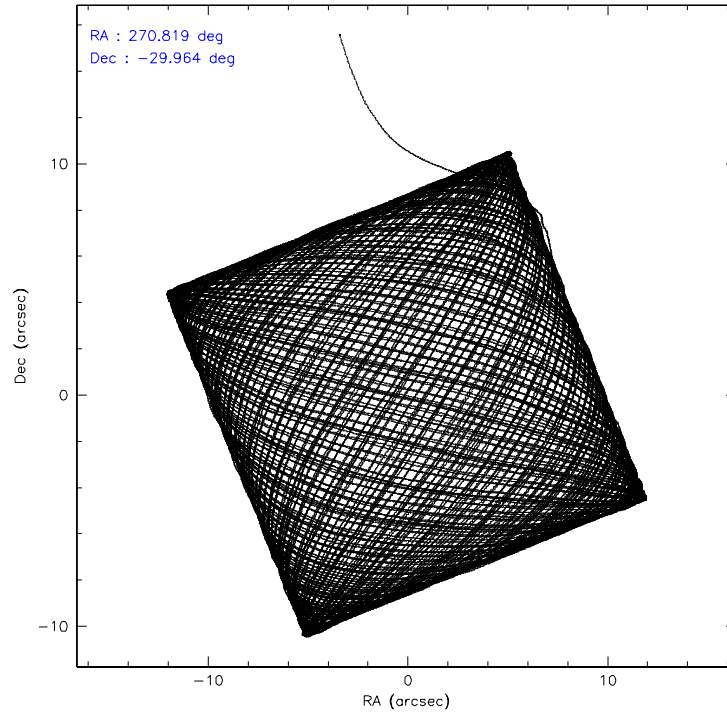
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	549073	560264	599958	595156	625174	819195
rejected events	462432	469395	514745	509154	541999	491497
rejected %	84%	83%	85%	85%	86%	59%

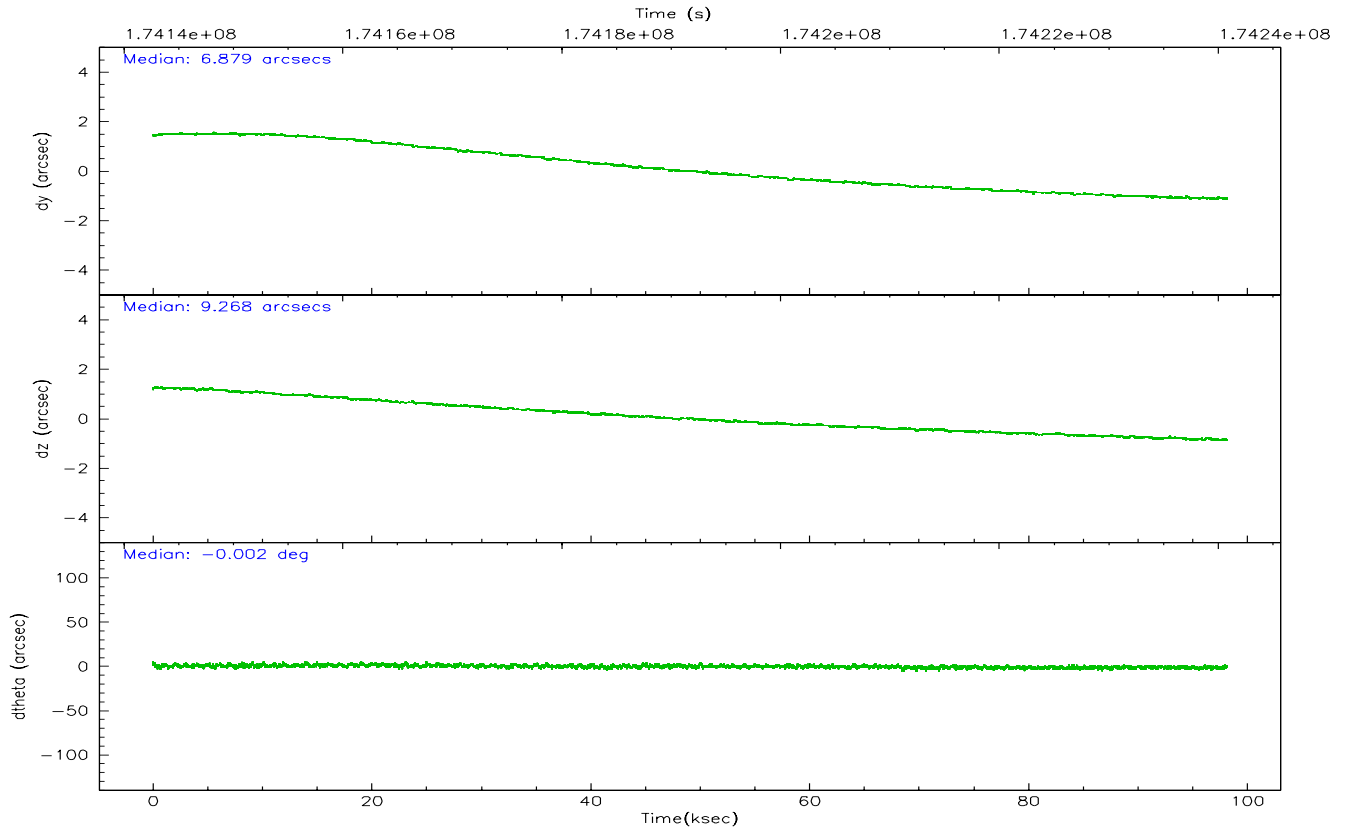
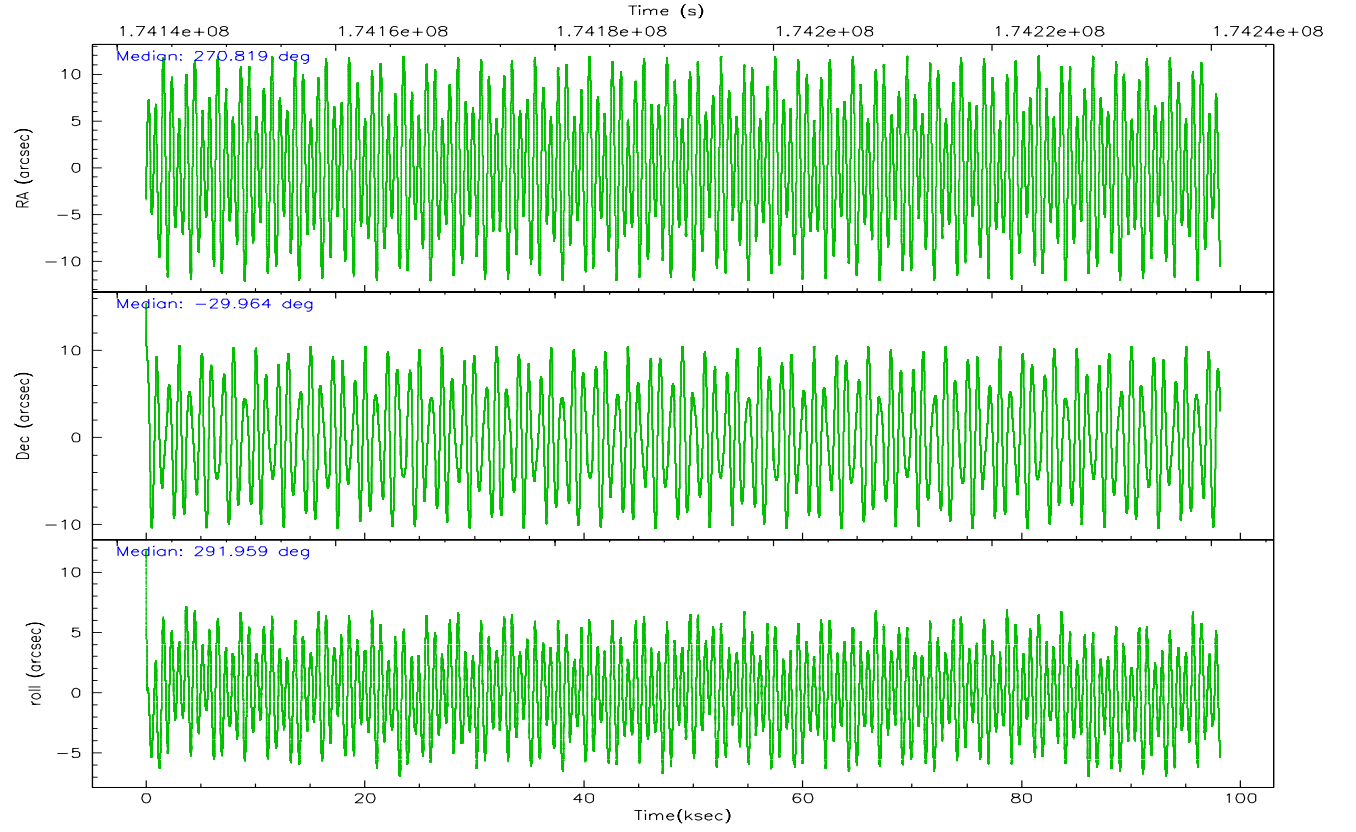
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	44037	44046	44393	45275	38888	25349
	8%	7%	7%	7%	6%	3%
grade 1 events	366	362	382	420	286	499
	0%	0%	0%	0%	0%	0%
grade 2 events	15812	16739	14929	14337	15651	82268
	2%	2%	2%	2%	2%	10%
grade 3 events	7413	7751	7136	7050	7215	18459
	1%	1%	1%	1%	1%	2%
grade 4 events	6958	7714	7023	7068	7039	18461
	1%	1%	1%	1%	1%	2%
grade 5 events	23411	24554	22846	25783	27662	52816
	4%	4%	3%	4%	4%	6%
grade 6 events	12422	14621	11735	12273	14386	183179
	2%	2%	1%	2%	2%	22%
grade 7 events	438654	444477	491514	482950	514047	438164
	79%	79%	81%	81%	82%	53%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-012367	ACIS-012367	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	270.794275	270.8192364422632	Alternating exposures requested	N	N
Pointing Dec	-29.947311	-29.96408702034022	Primary exposure time	0.000000	3.2
Pointing Roll	291.743150	291.9643040463005			
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	174143040.184000	174141978.67076			
Observation start date	2003-07-09T13:02:56	2003-07-09T12:46:18			
Observation end time	174240811.184000	174241935.13752			
Observation end date	2003-07-10T16:12:27	2003-07-10T16:32:15			
Read mode	TIMED	TIMED			

2.3 Aspect



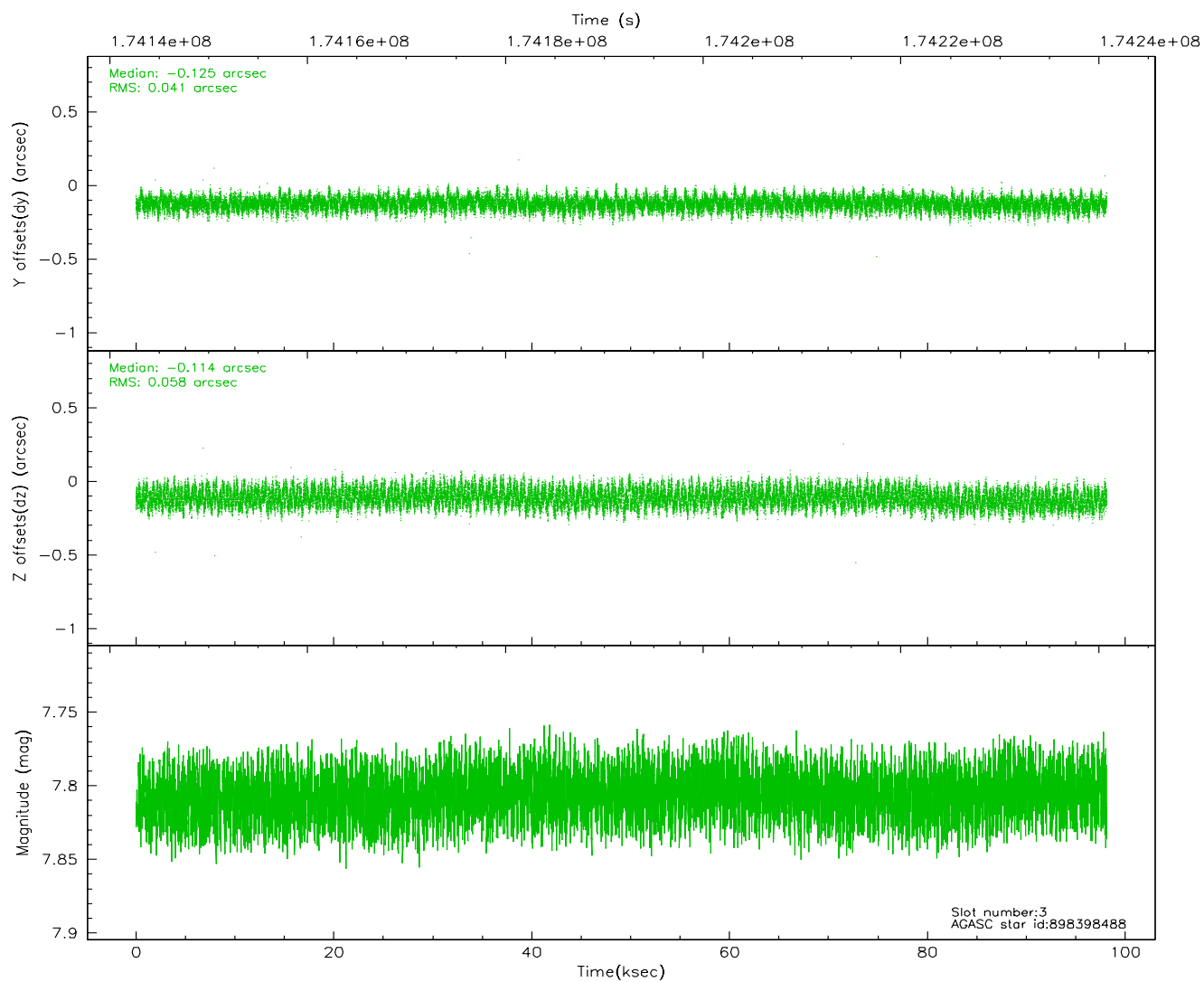
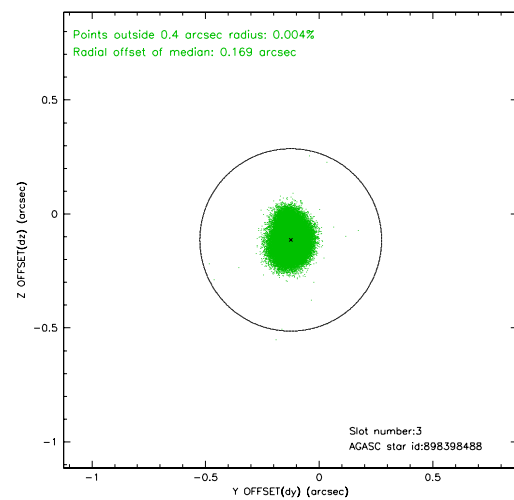
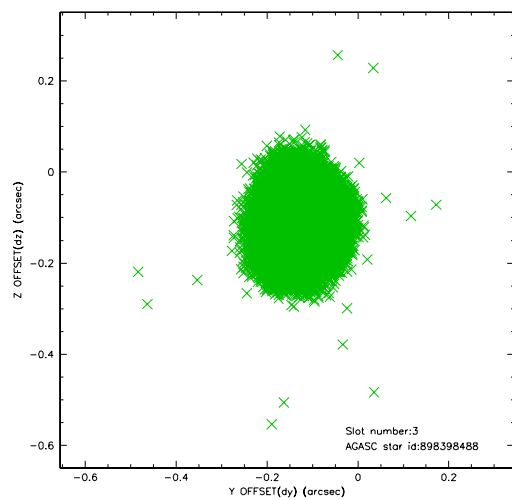


Slot Statistics

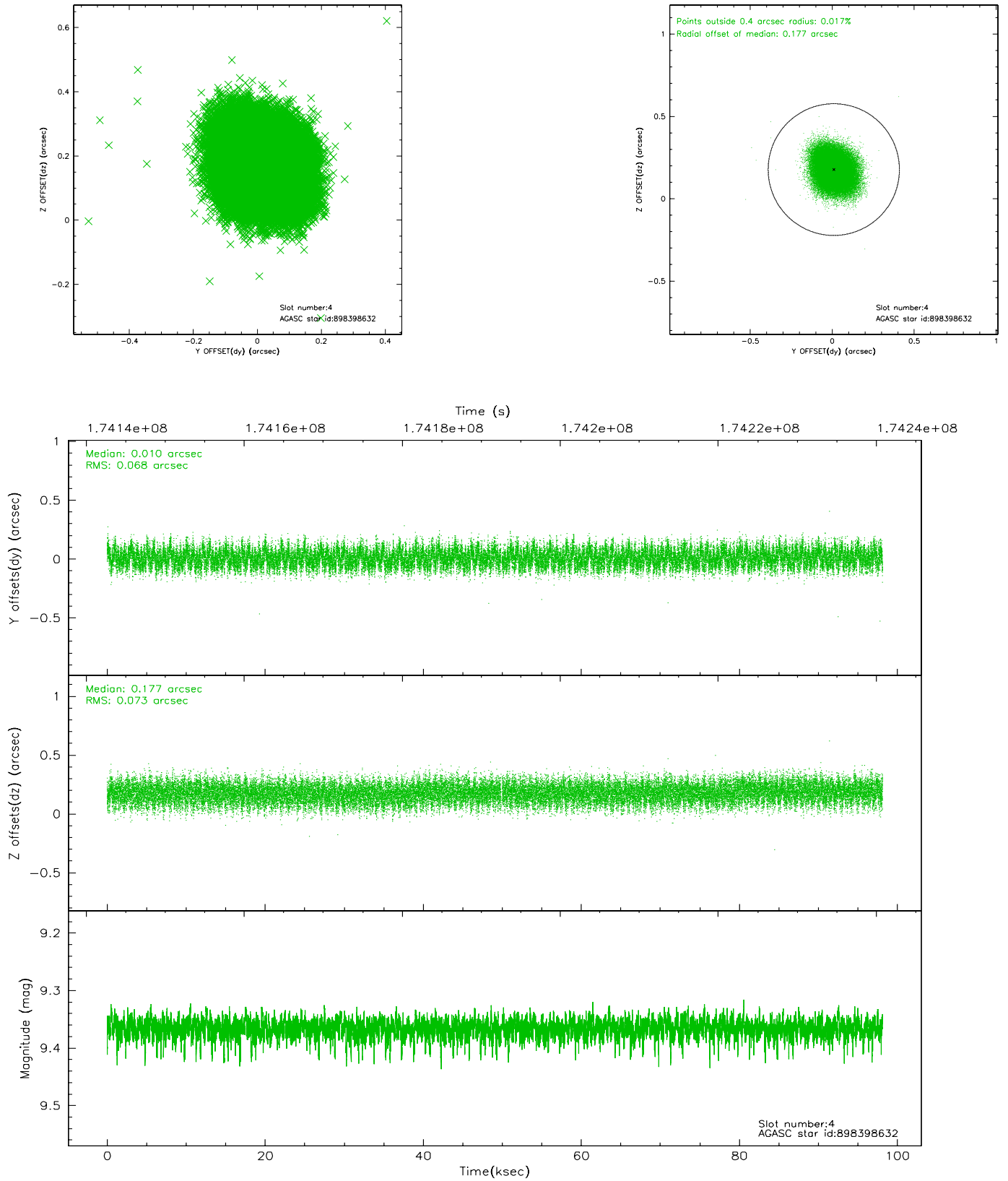
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	23935	-0.058	0.087	0.018	0.032	0.000000	0.000000	932.60	-832.72
1	FID	ACIS-I-2	7.14	23933	-0.090	-0.063	0.021	0.042	0.000000	0.000000	-761.57	-839.26
2	FID	ACIS-I-4	7.18	23937	0.051	0.042	0.023	0.044	0.000000	0.000000	2152.65	1067.08
3	GUIDE	898398488	7.80	47873	-0.125	-0.114	0.077	0.118	270.116283	-29.824370	-1189.41	-1805.26
4	GUIDE	898398632	9.37	47634	0.010	0.177	0.107	0.168	271.488963	-29.917256	708.65	2051.45
5	GUIDE	968755000	8.89	47862	0.108	0.039	0.071	0.113	271.252958	-30.227226	1467.52	951.31
6	GUIDE	898398712	9.34	47847	-0.004	-0.062	0.110	0.180	270.233152	-29.902122	-795.38	-1567.81
7	GUIDE	898384816	9.40	47848	0.010	-0.036	0.089	0.144	271.272338	-29.735589	-151.38	1669.39

2.4 Star Slots

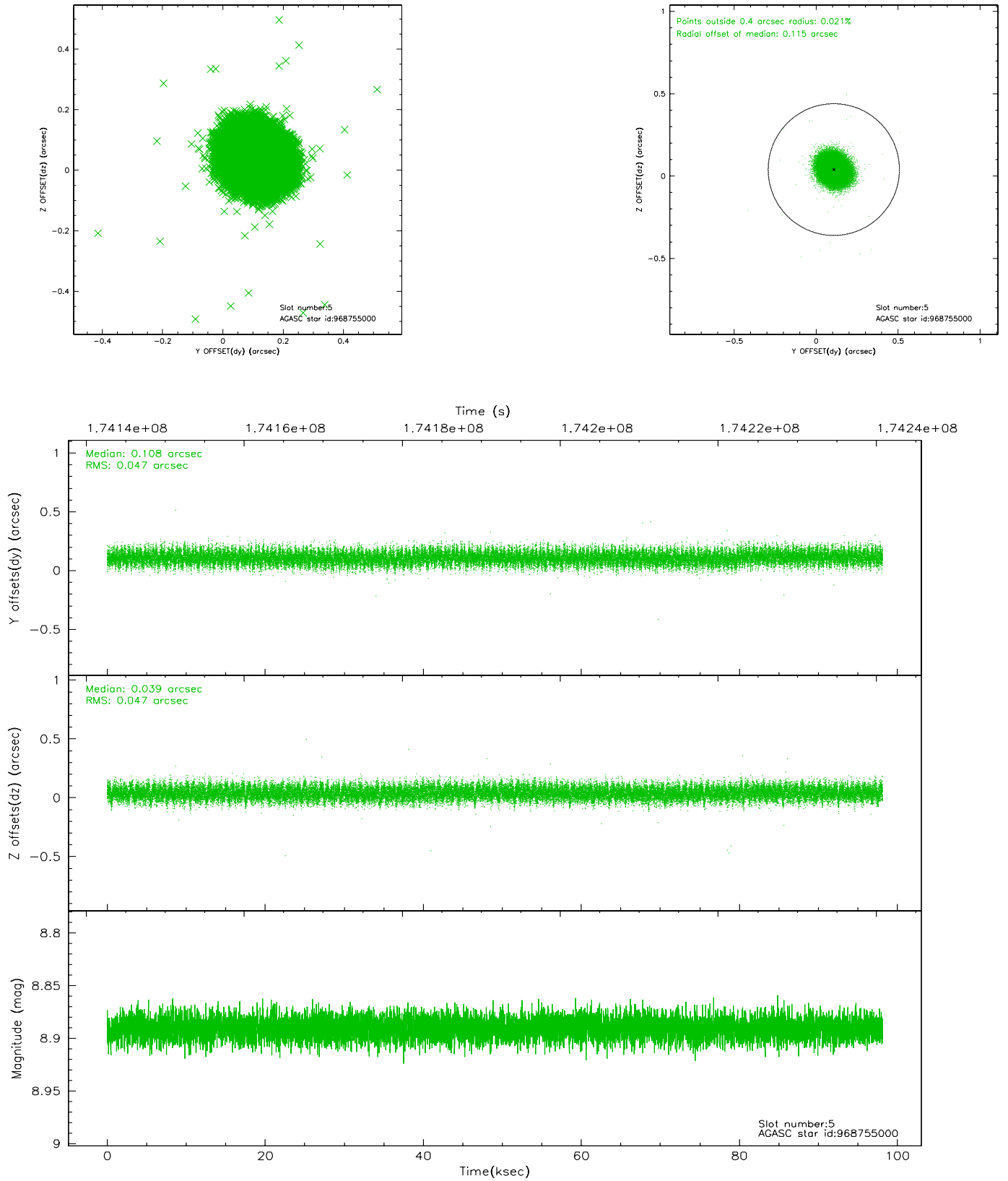
2.4.1 Slot 3



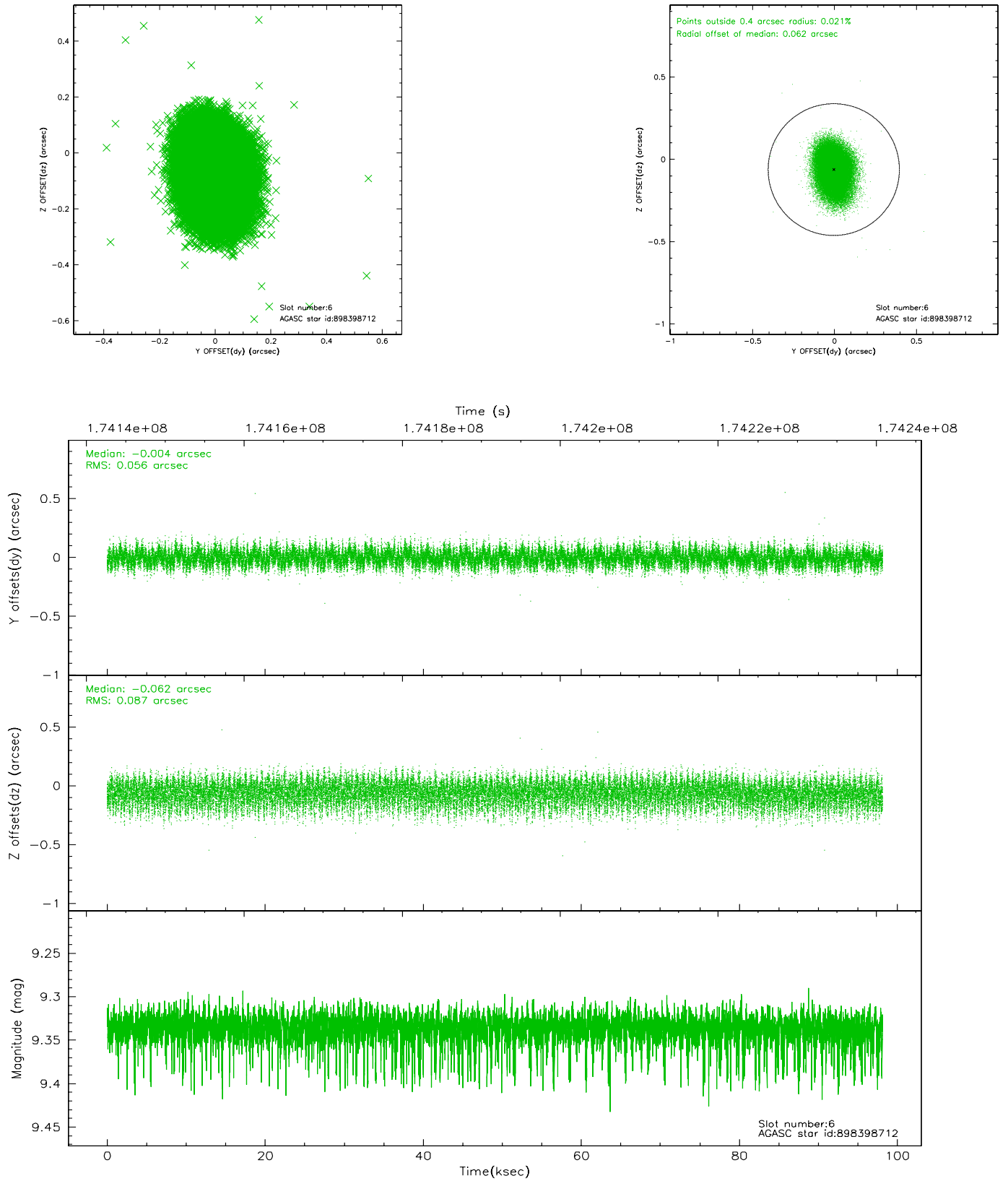
2.4.2 Slot 4



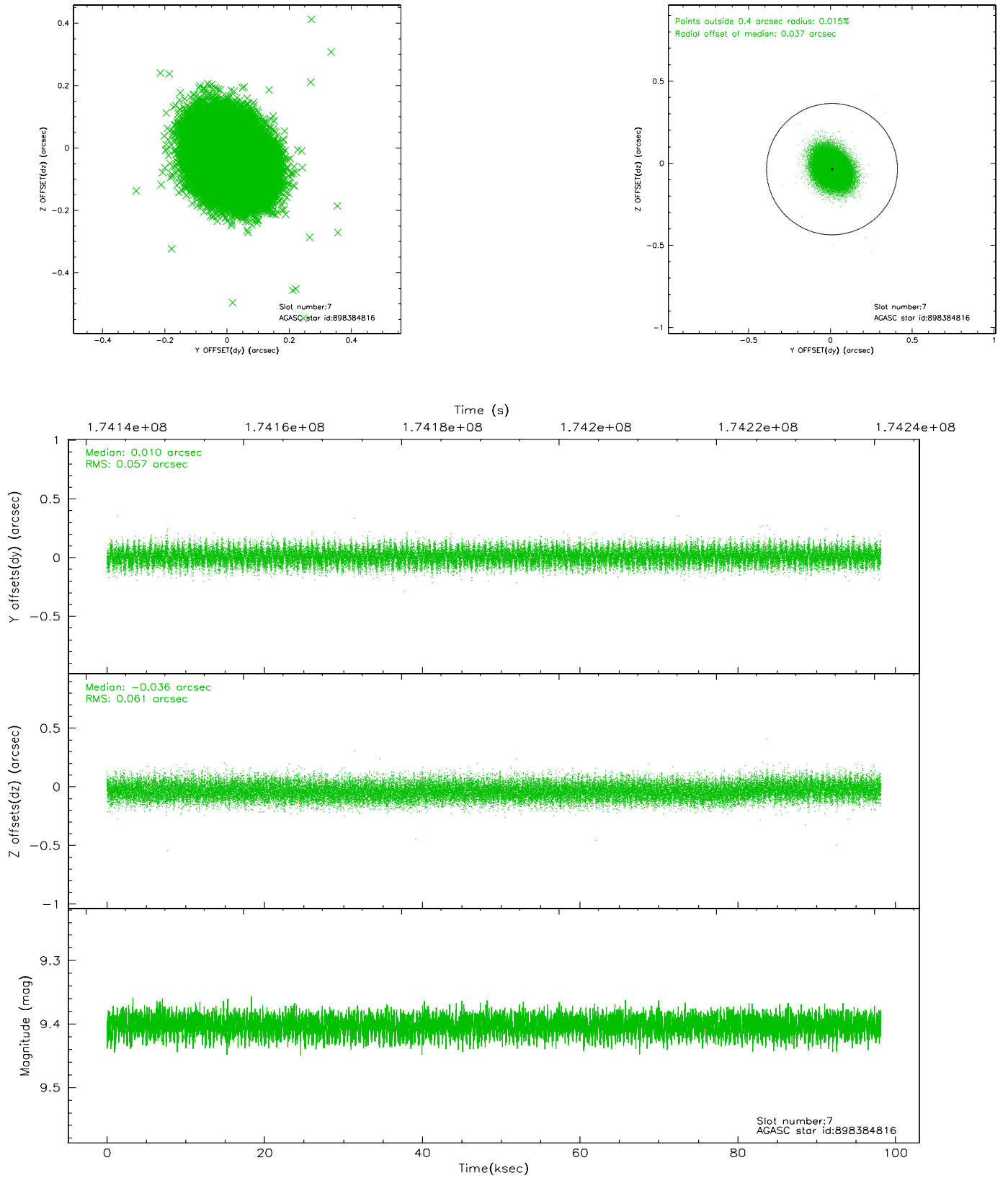
2.4.3 Slot 5



2.4.4 Slot 6

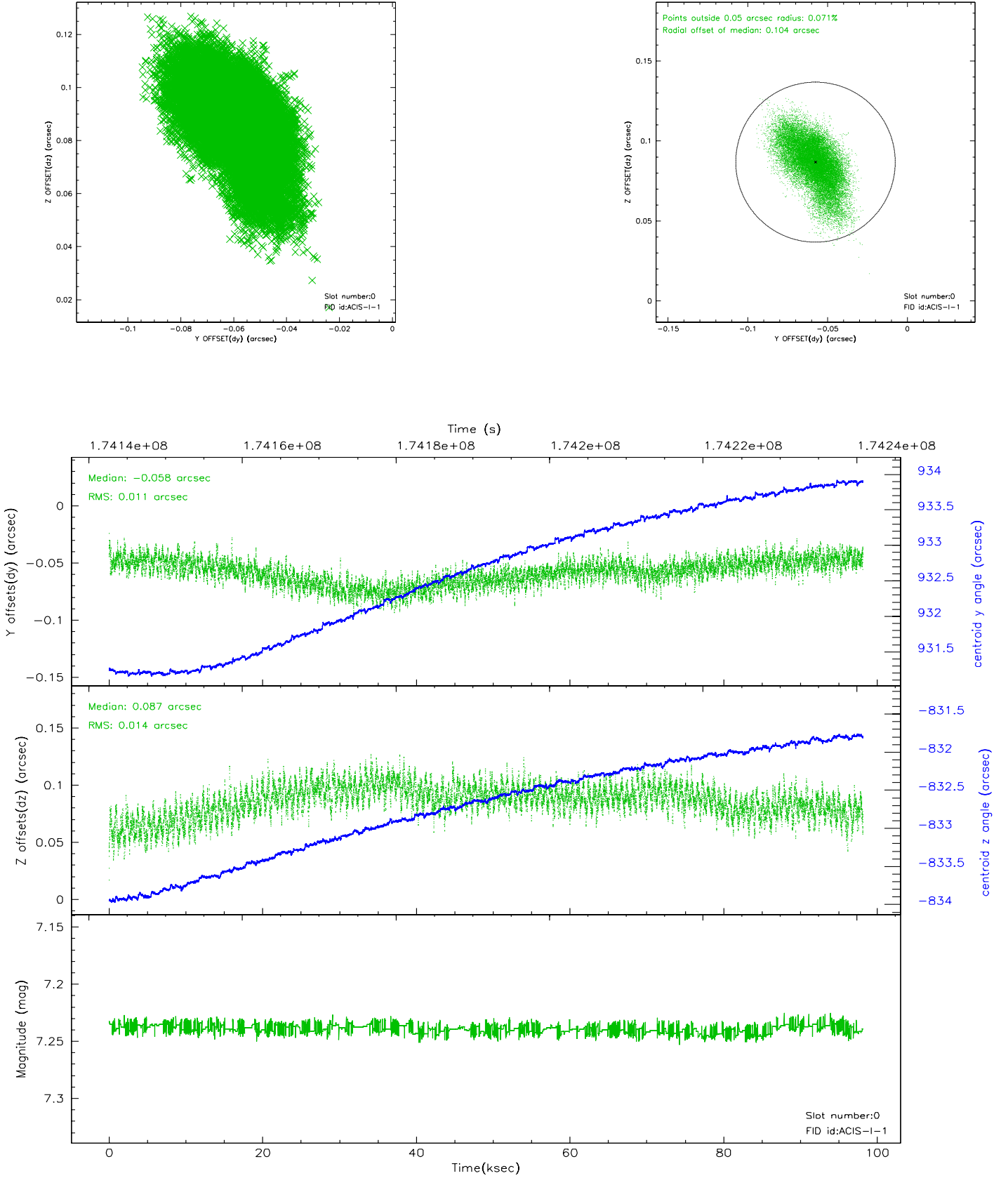


2.4.5 Slot 7

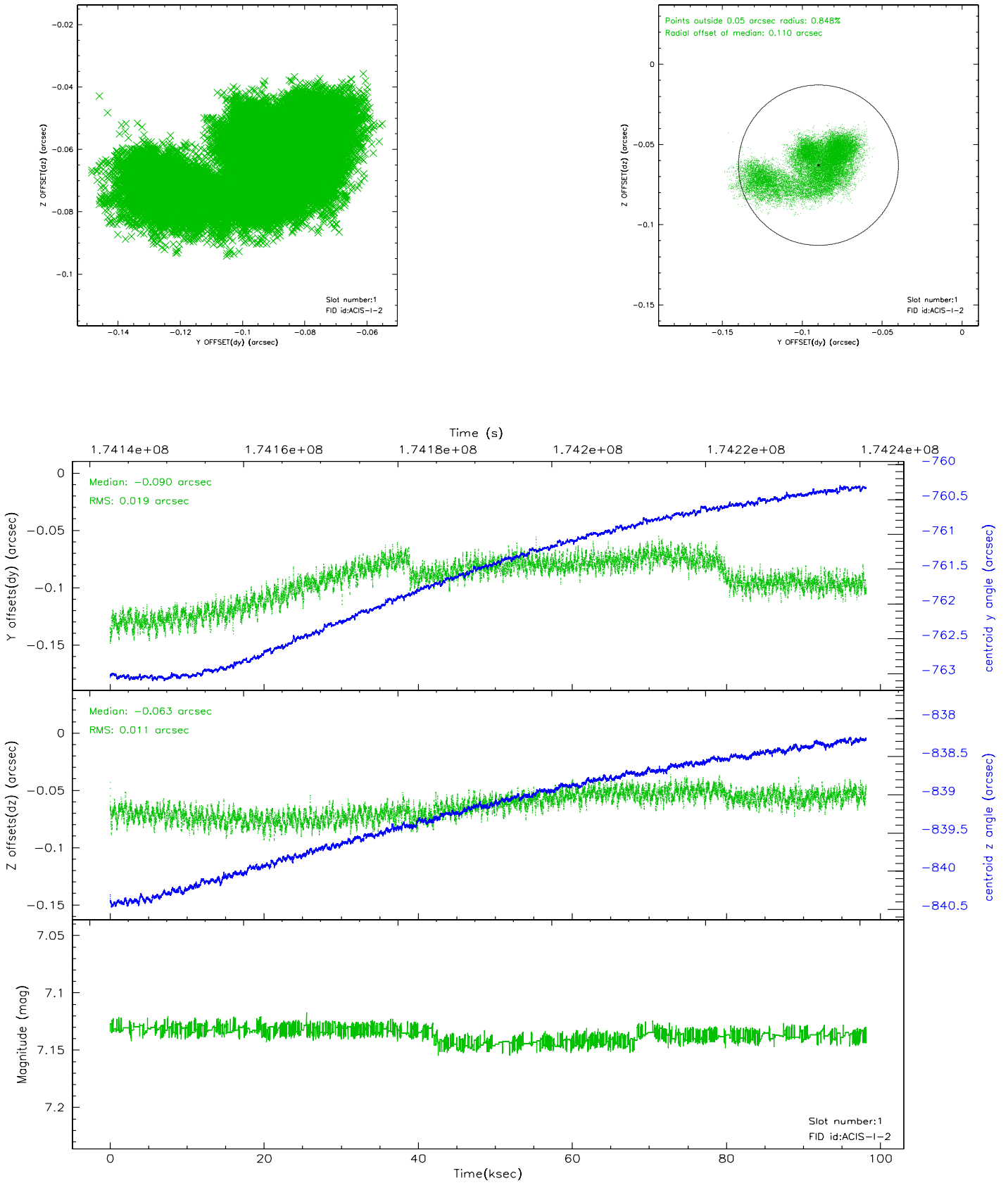


2.5 FID Slots

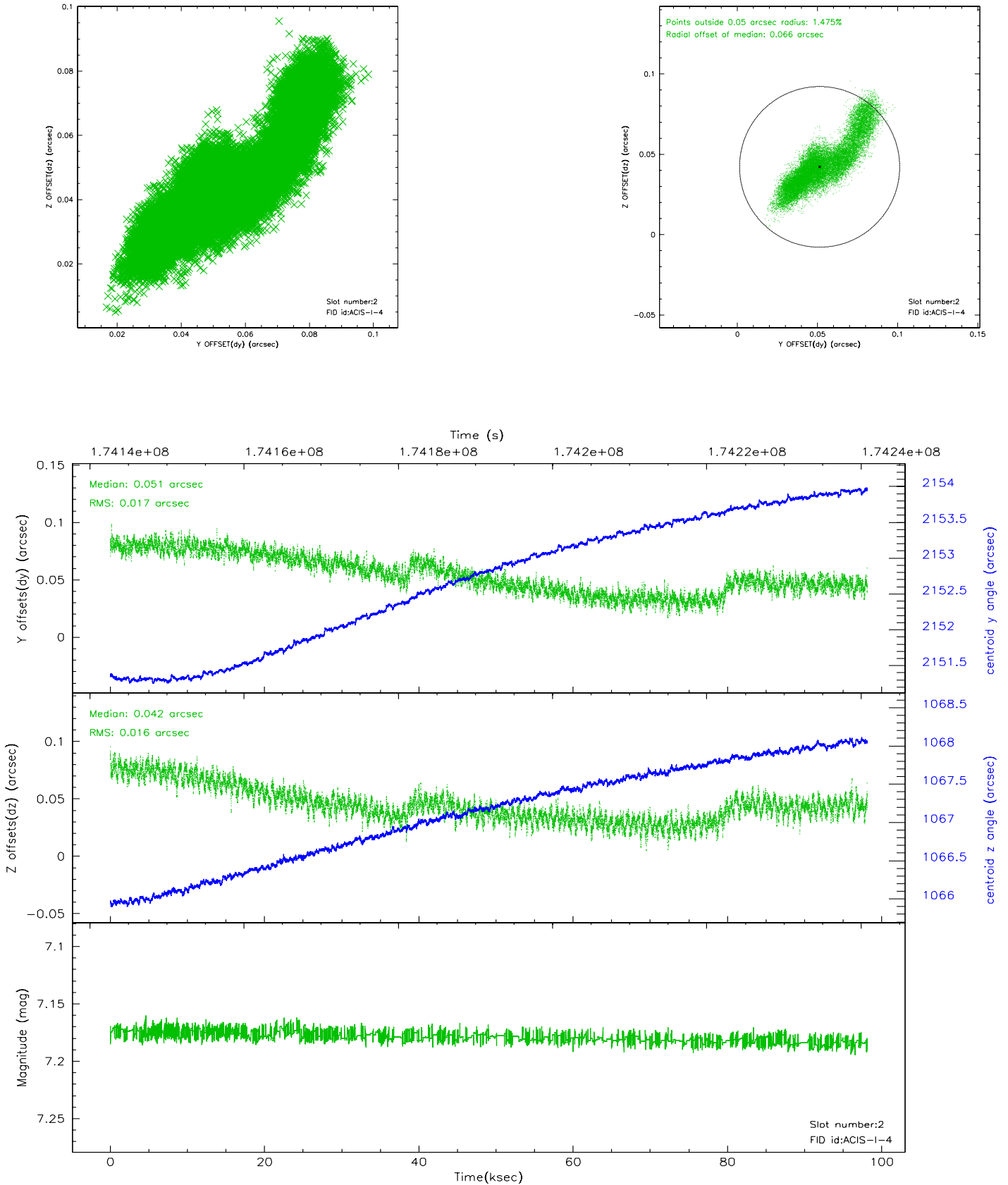
2.5.1 Slot 0



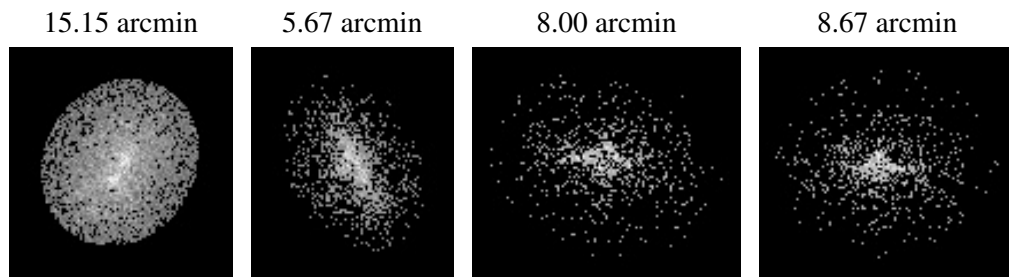
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2006.07.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	97.721

A.2 Comments

Focal plane temperature is warmer than -118.7 degrees C during first approximately 3 ksec of the observation.

The ACIS spectral response calibration for the front-illuminated chips is less accurate at these warmer temperatures than it is at -119.7 C. The back-illuminated chips are unaffected at this temperature. Users whose science objectives depend on the most accurate spectral response (ie: fitting line-rich spectra) may notice an effect if they use data from a front-illuminated chip. Users whose science objectives do not depend on the most accurate spectral response should not notice an effect.

The original processing of this obsid used the telemetered data from the recorder that had a bias map with a data gap. That bias file was replaced in the original processing with bias file constructed by scaling a similar bias file from another observation to fill the data gap. For this processing, realtime data from the satellite was used to fill data gaps from the recorder. All bias maps are complete in this version of the processing and there was no need to construct a replacement bias.