

V&V Reference Report

L2 ASCDS Version : 7.6.7.2

Observation 4500 - L2 Version 001
Chandra X-Ray Center

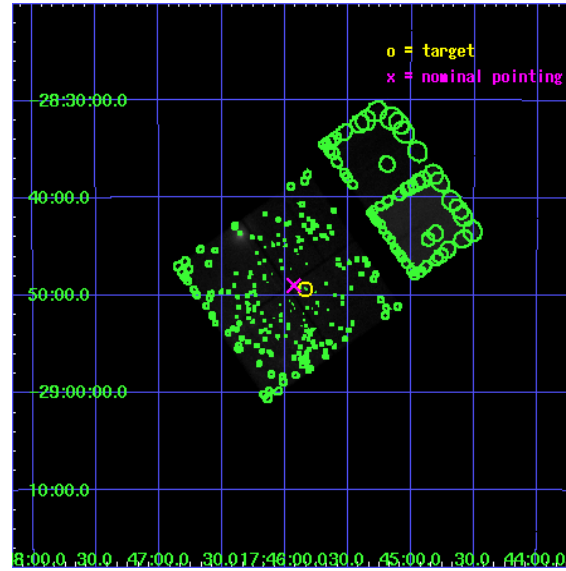
L2 Processing Date : May 2 2006

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1 Front

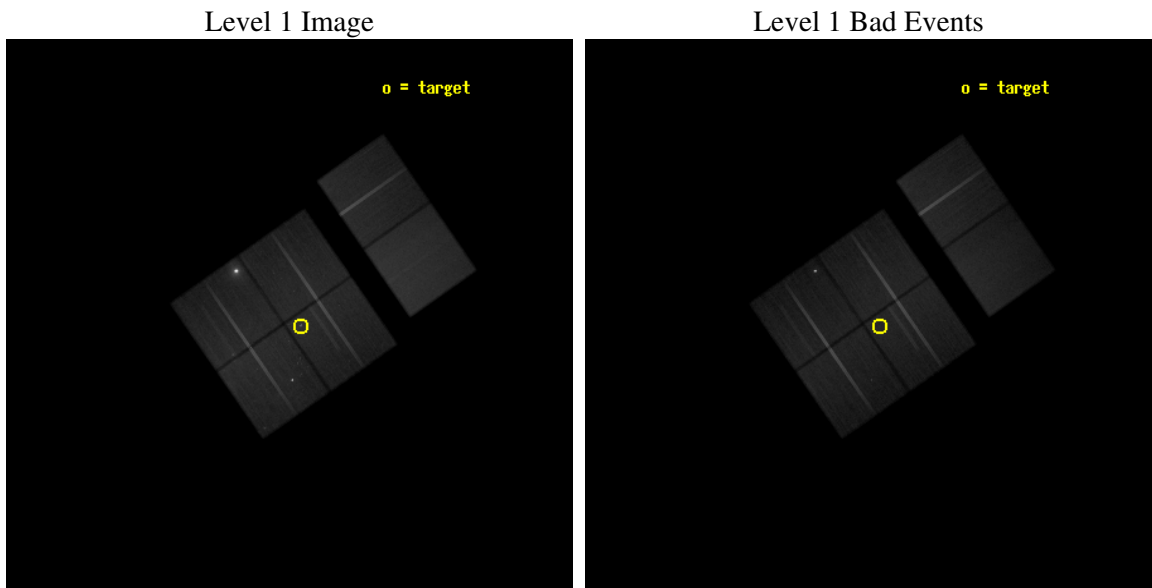
seq_num	200269
obs_id	4500
title	The Nature of the X-ray Emission from the Arches Cluster and its Vicinity
observer	Prof. Q. Daniel Wang
object	Arches Cluster
dtcycle	0
cycle	P
ra_targ	266.459583
dec_targ	-28.822222
ra_nom	266.48260207852
dec_nom	-28.81690786118
roll_nom	55.176076783841
revision	3
ontime	99823.91764763
livetime	98559.887095629
ontime0	99820.676667362
ontime1	99823.917777091
ontime2	99820.676667333
ontime3	99823.91764763
ontime6	99820.676627576
ontime7	99830.399628103
l2events	1313053



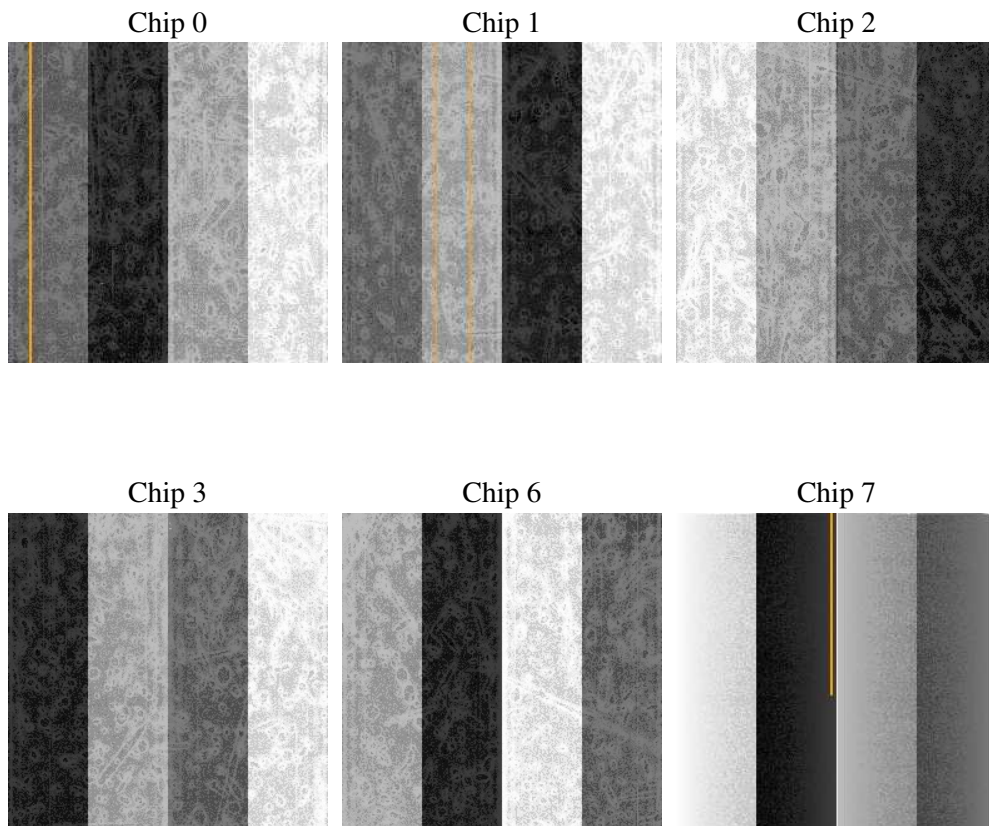
2 OBI

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	2006-05-02T15:47:44
revision	3

sched_exp_time	99700.000000
ontime	100403.18361181
ontime0	100399.94263154
ontime1	100403.18374127
ontime2	100399.94263151
ontime3	100403.18361181
ontime6	100399.94259176
ontime7	100409.66561216
l1events	5192124

2.1.4 Events

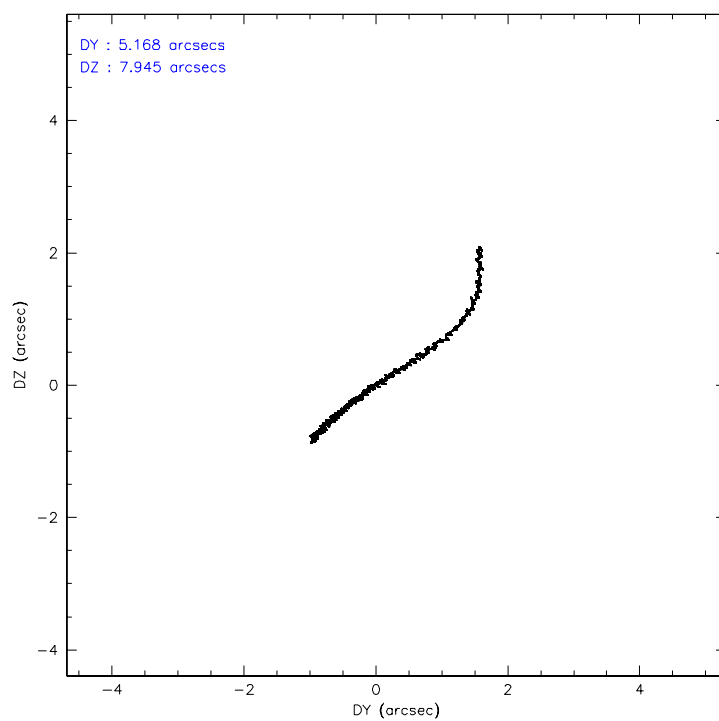
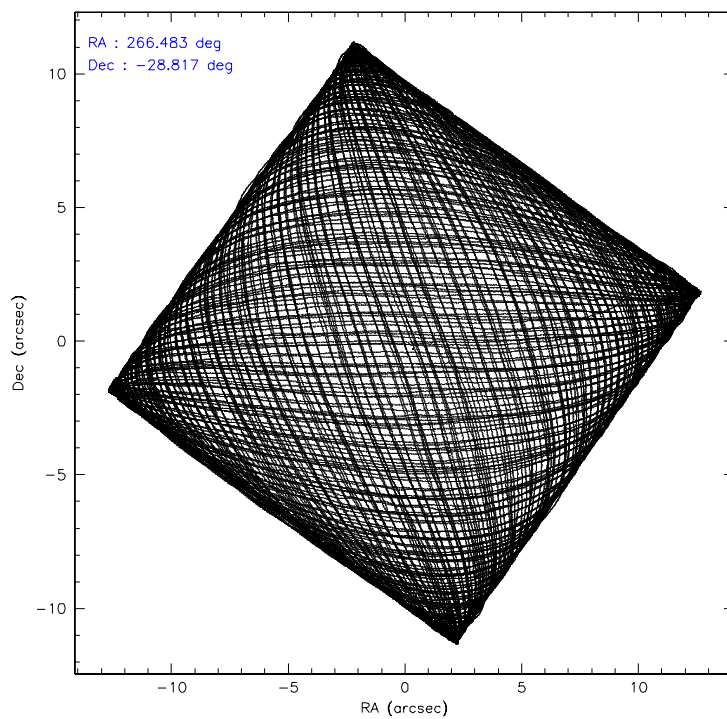
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	1015586	836868	782022	783189	777472	996987
rejected events	600127	588215	646376	641619	674537	611163
rejected %	59%	70%	82%	81%	86%	61%

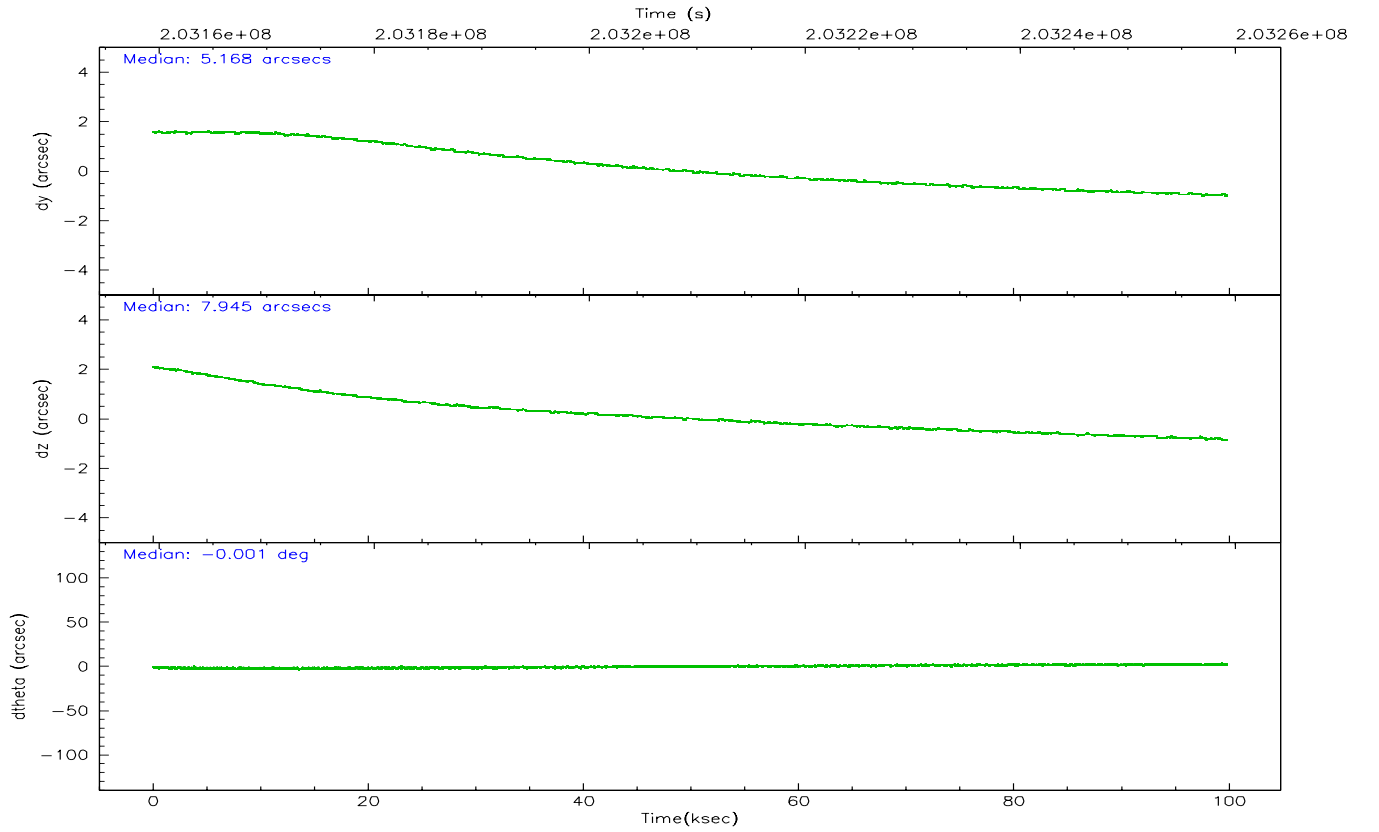
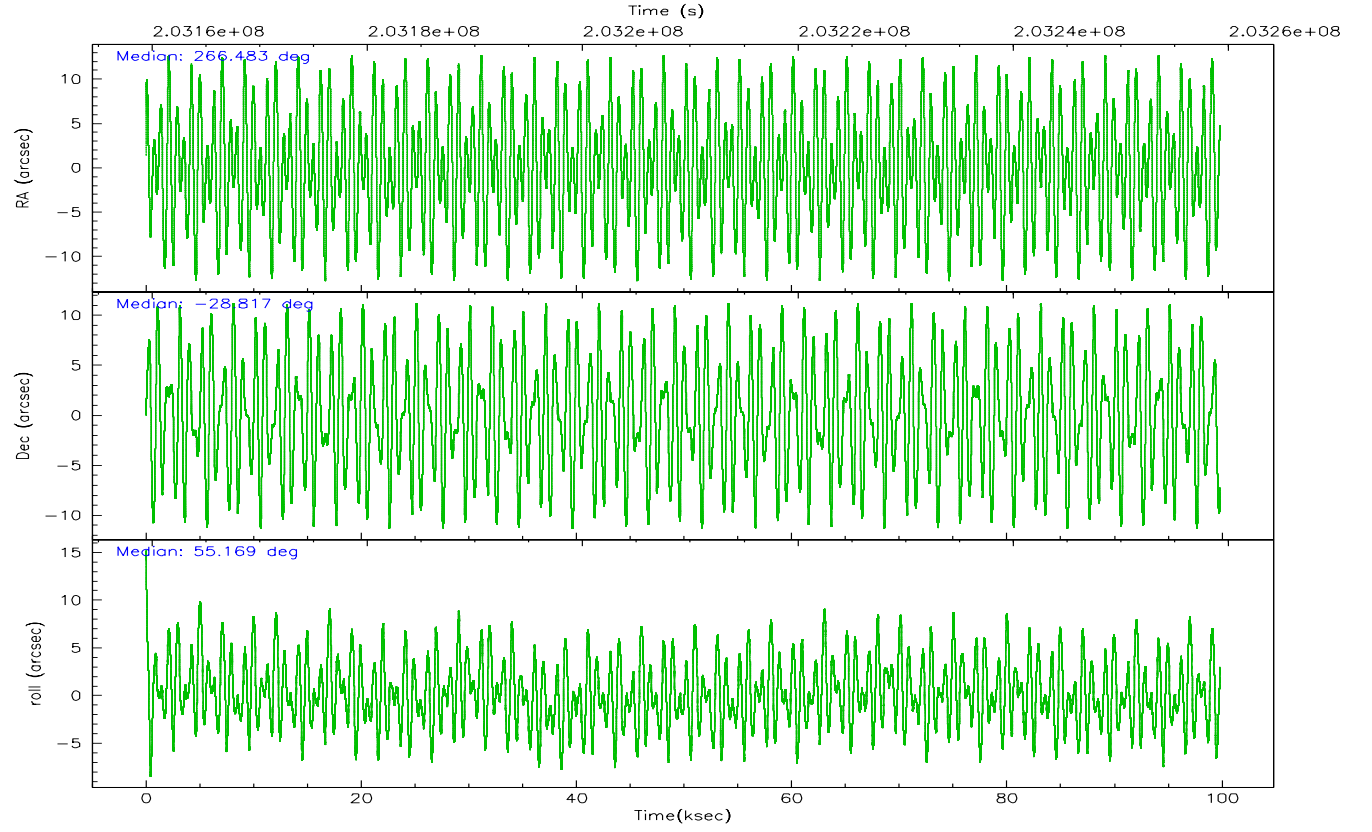
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	237758	147369	73690	76442	46125	22456
	23%	17%	9%	9%	5%	2%
grade 1 events	6403	1031	653	710	467	574
	0%	0%	0%	0%	0%	0%
grade 2 events	70758	41182	24088	24362	20450	97486
	6%	4%	3%	3%	2%	9%
grade 3 events	27747	16357	10637	11114	9269	20376
	2%	1%	1%	1%	1%	2%
grade 4 events	27084	16025	10623	11085	9085	19850
	2%	1%	1%	1%	1%	1%
grade 5 events	35090	31378	28716	32777	34430	65864
	3%	3%	3%	4%	4%	6%
grade 6 events	53354	28612	17395	19335	18690	228002
	5%	3%	2%	2%	2%	22%
grade 7 events	557392	554914	616220	607364	638956	542379
	54%	66%	78%	77%	82%	54%

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	VFAINT	VFAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	266.480103	266.4826020785217	Alternating exposures requested	N	N
Pointing Dec	-28.844195	-28.81690786118035	Primary exposure time	0.000000	3.2
Pointing Roll	54.966186	55.17607678384091			
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	203159550.184000	203158232.91869			
Observation start date	2004-06-09T09:11:26	2004-06-09T08:50:32			
Observation end time	203259250.184000	203259985.18569			
Observation end date	2004-06-10T12:53:06	2004-06-10T13:06:25			
Read mode	TIMED	TIMED			

2.3 Aspect



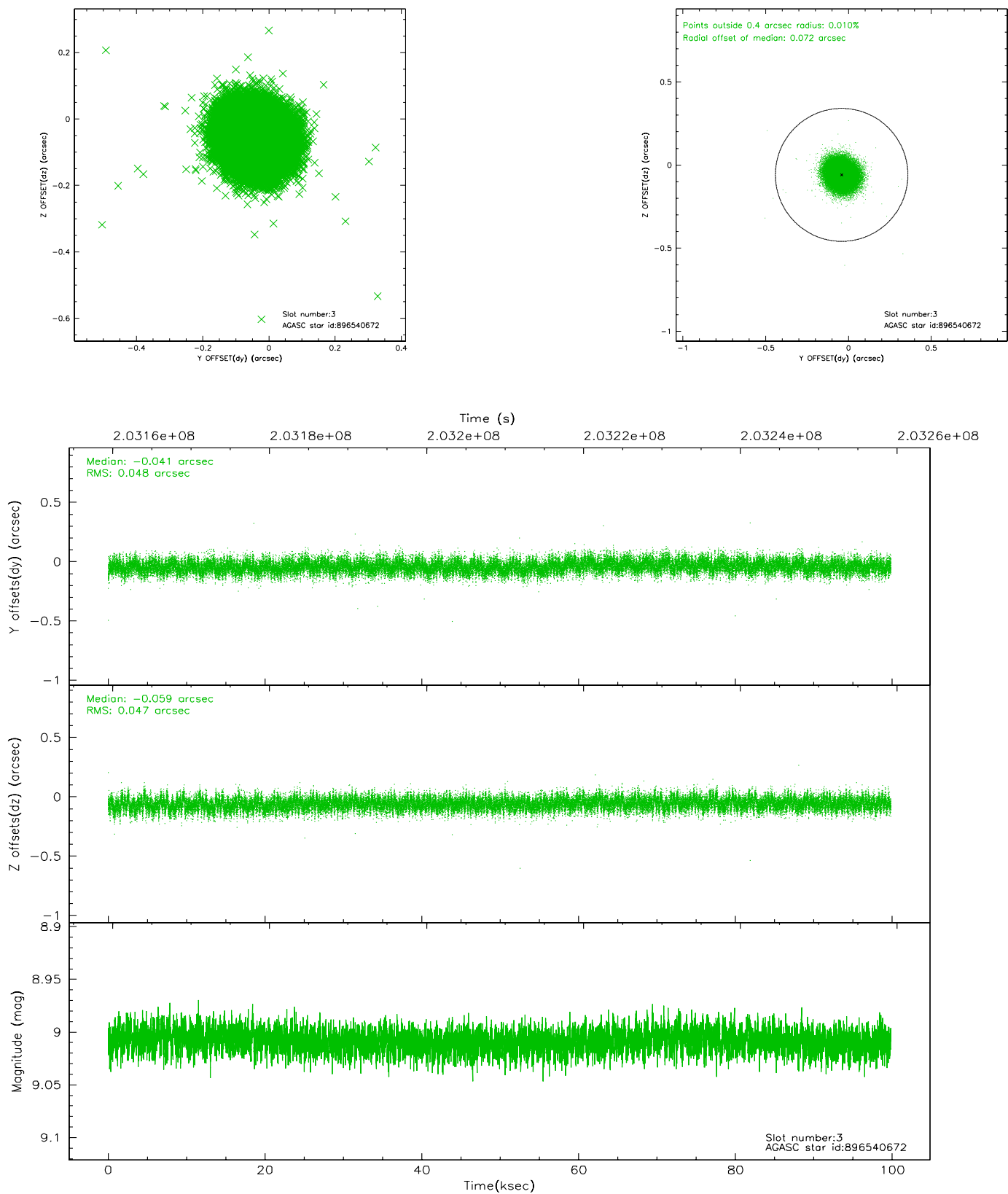


Slot Statistics

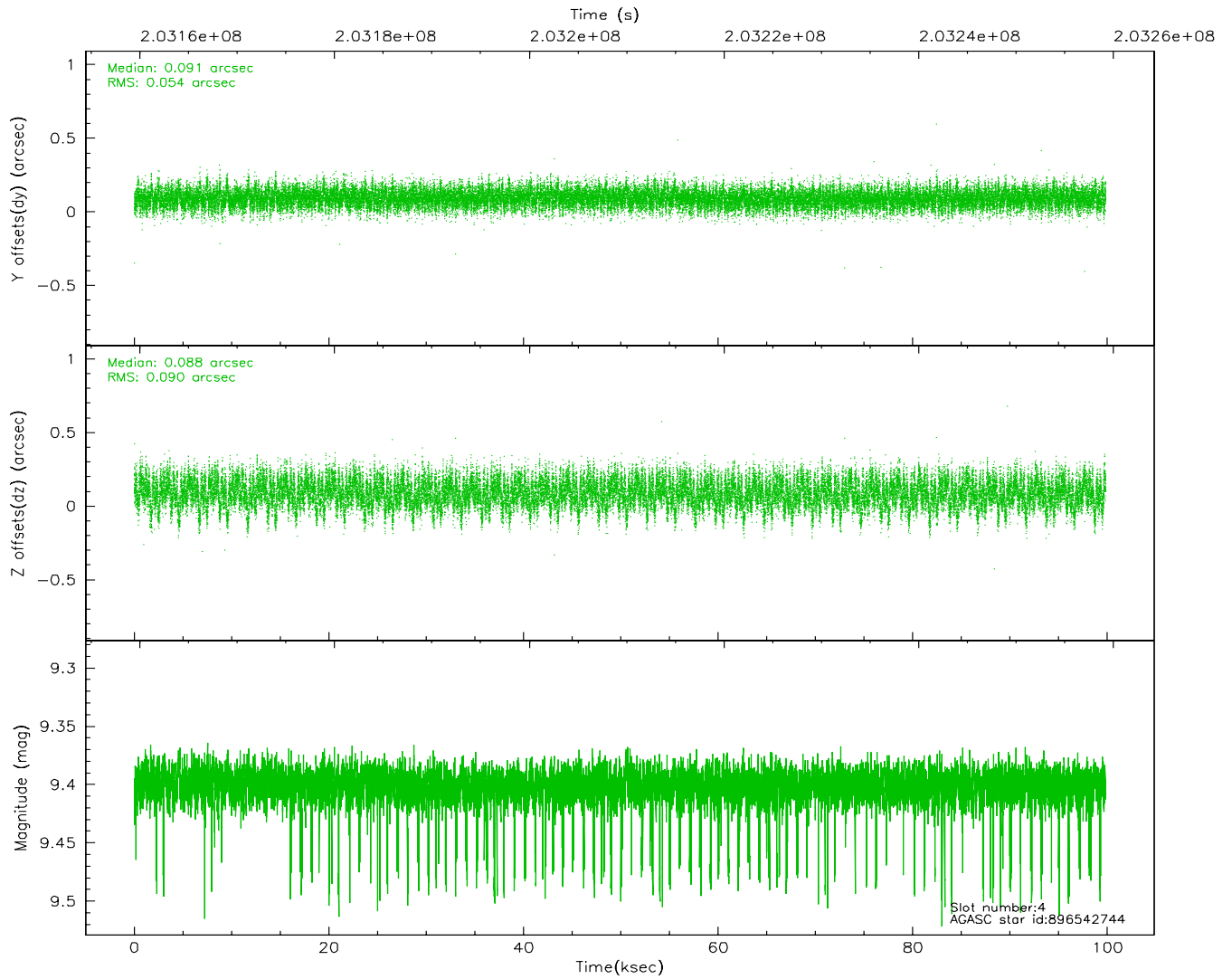
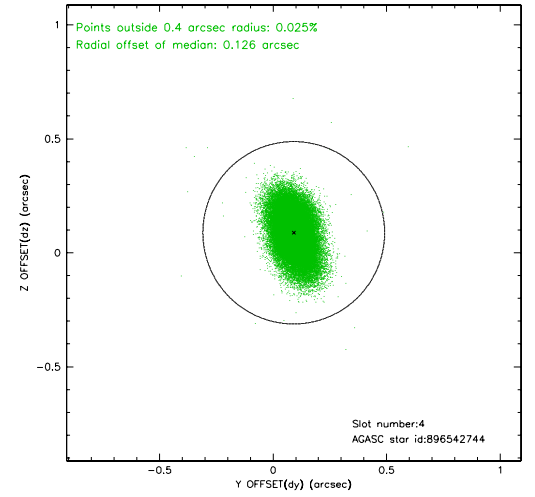
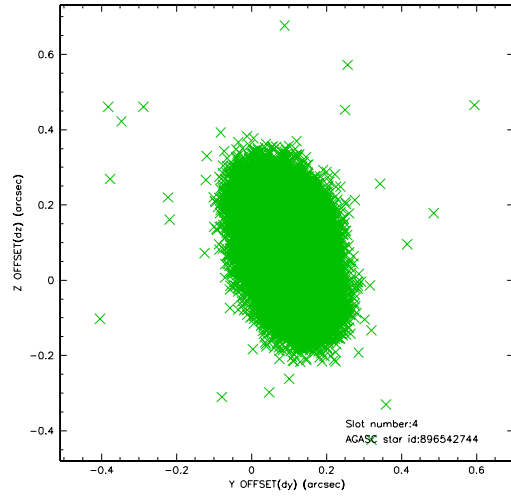
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	24349	0.019	0.049	0.045	0.062	0.000000	0.000000	934.38	-831.51
1	FID	ACIS-I-5	7.23	24349	-0.140	0.056	0.023	0.057	0.000000	0.000000	-1813.91	1066.05
2	FID	ACIS-I-6	7.25	24347	0.031	-0.022	0.019	0.026	0.000000	0.000000	400.06	1710.36
3	GUIDE	896540672	9.01	48682	-0.041	-0.059	0.071	0.115	266.662941	-28.185372	2274.85	886.52
4	GUIDE	896542744	9.40	48474	0.091	0.088	0.109	0.189	266.765496	-29.248460	-677.57	-1570.05
5	GUIDE	896403520	9.03	48680	0.089	-0.239	0.100	0.156	265.626481	-28.748780	-1273.33	2397.37
6	OMITTED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
7	GUIDE	896538944	9.20	48676	-0.133	0.216	0.091	0.145	267.225265	-28.991989	905.68	-2230.53

2.4 Star Slots

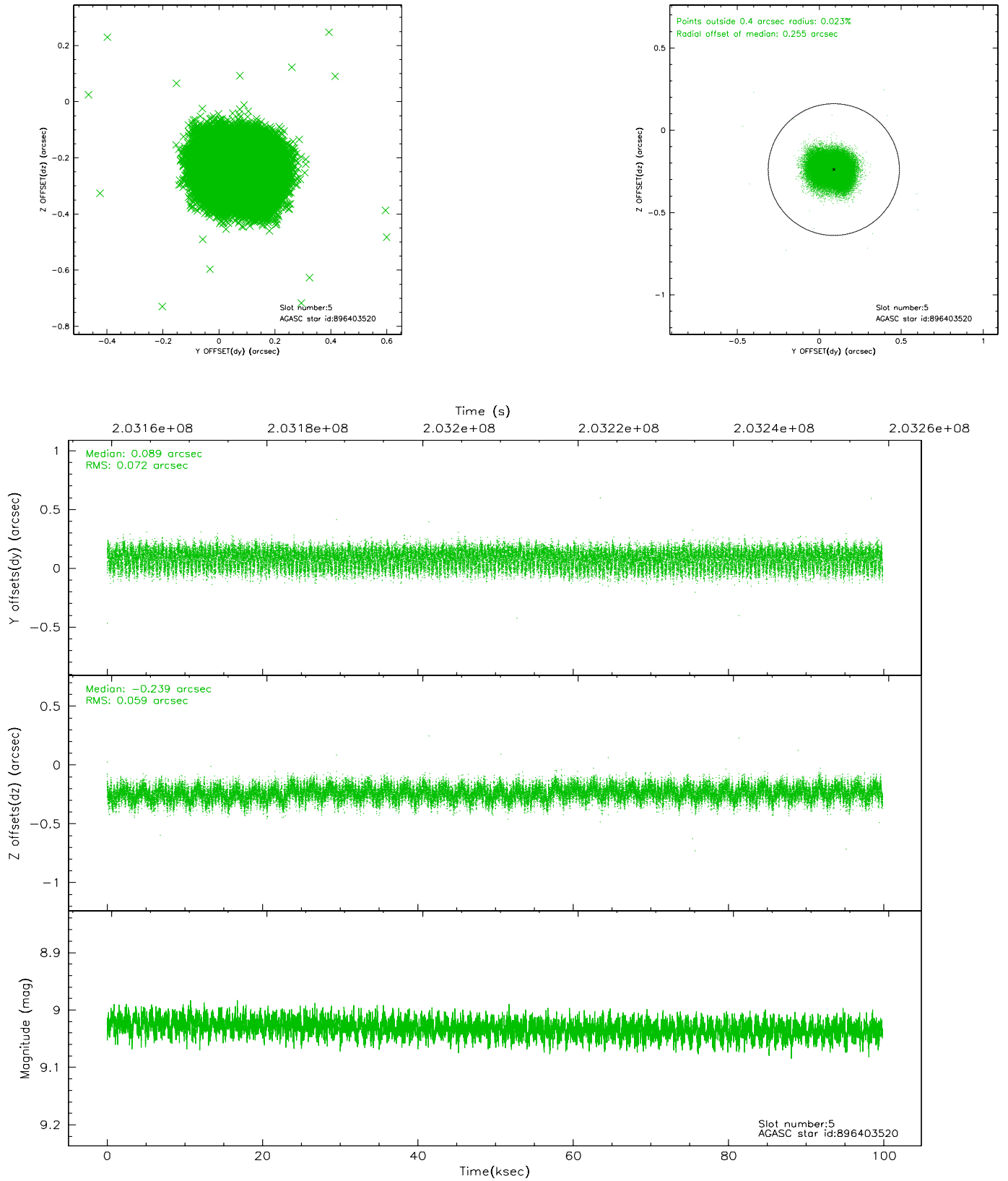
2.4.1 Slot 3



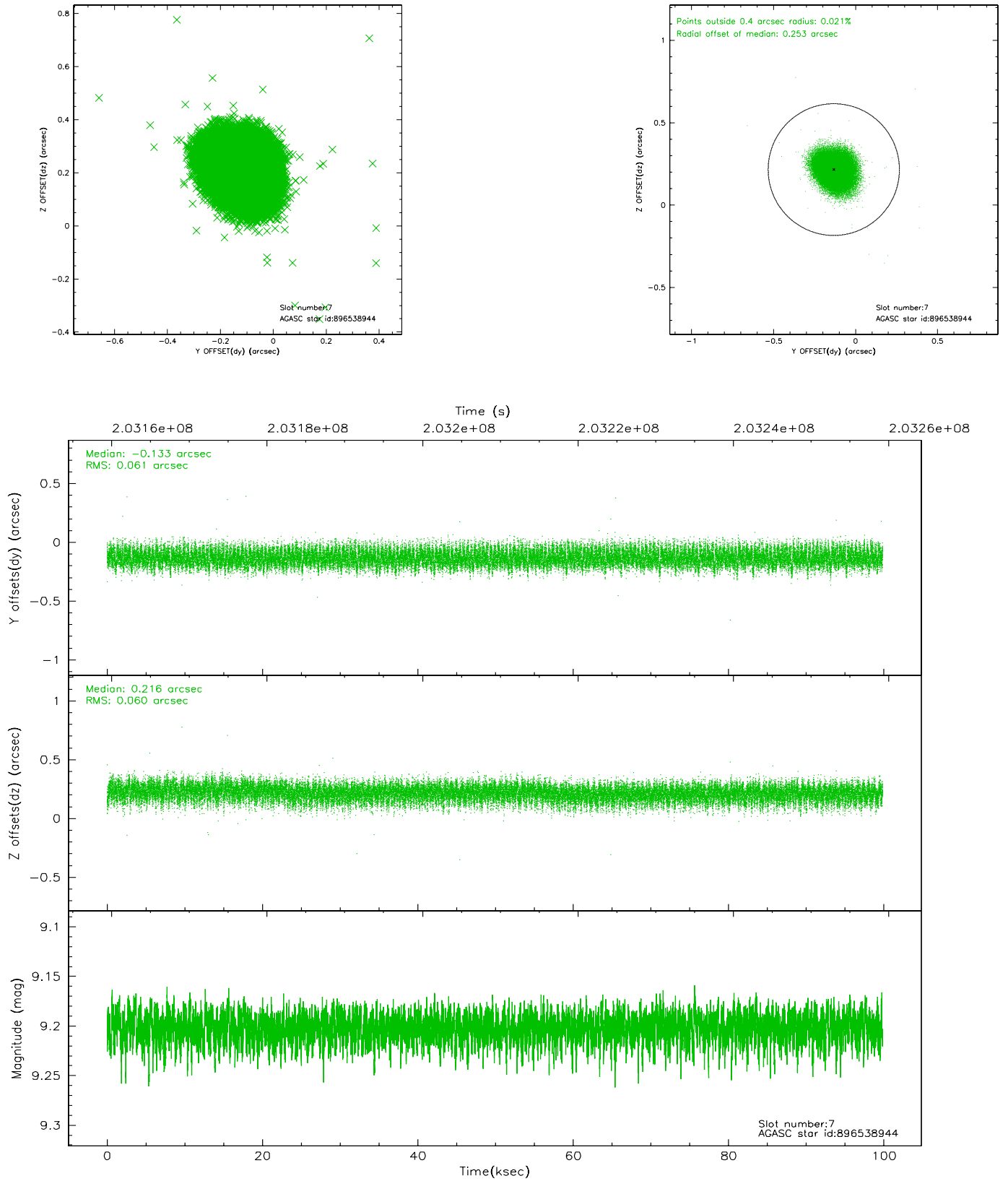
2.4.2 Slot 4



2.4.3 Slot 5

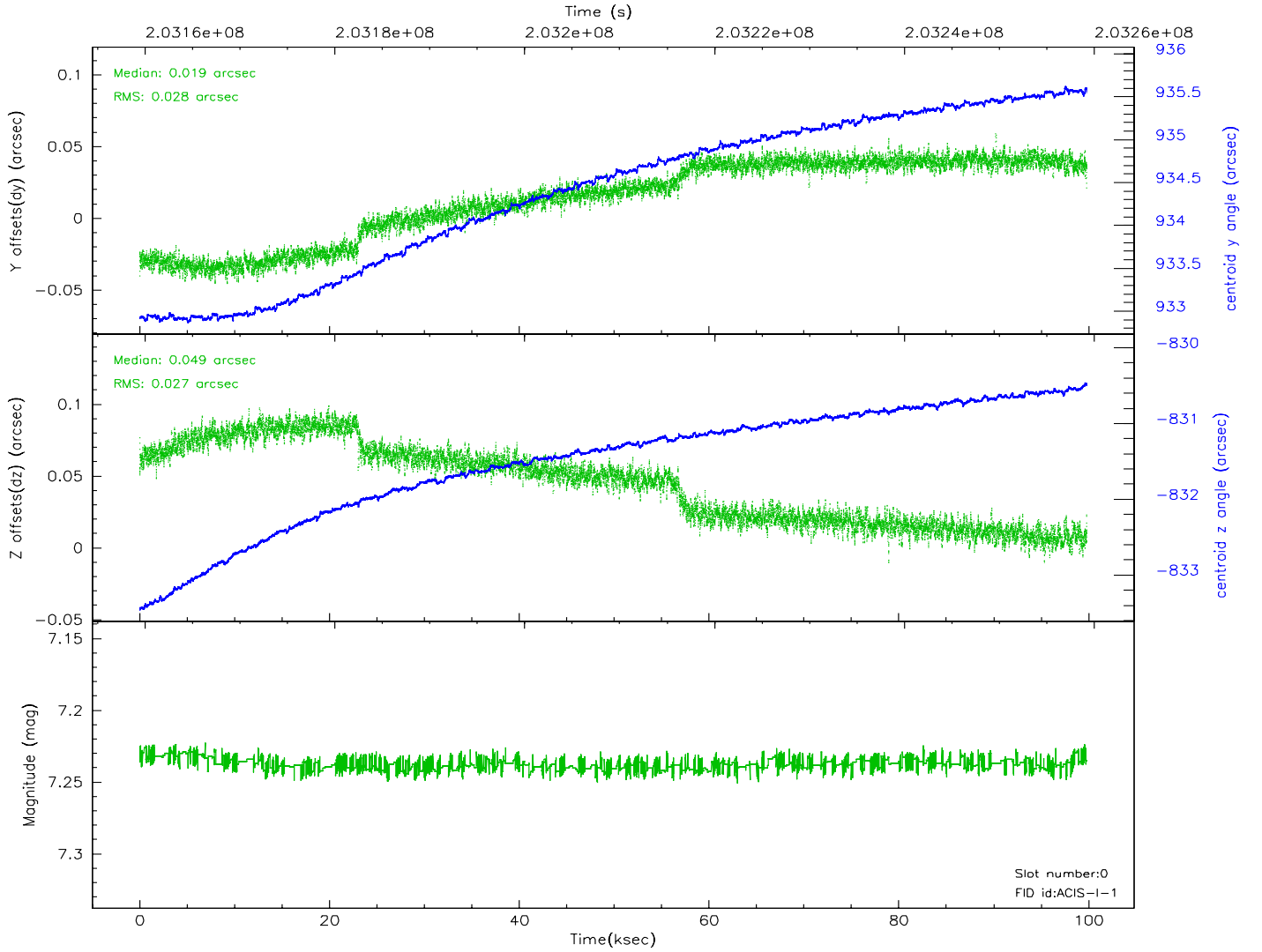
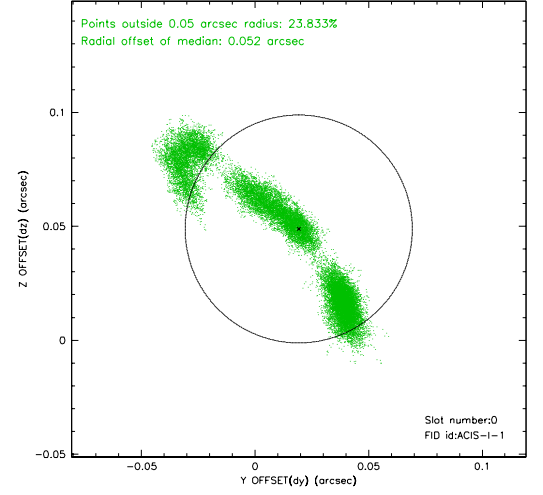
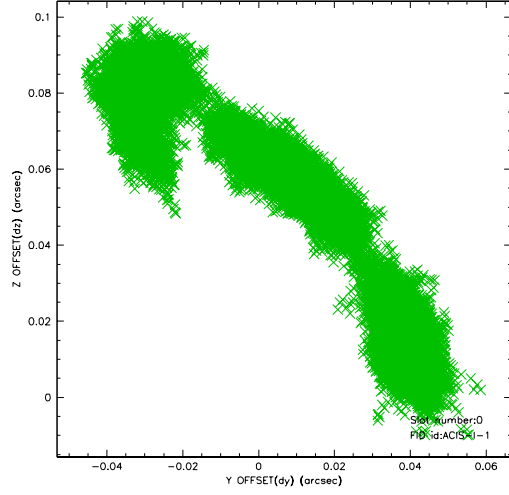


2.4.4 Slot 7

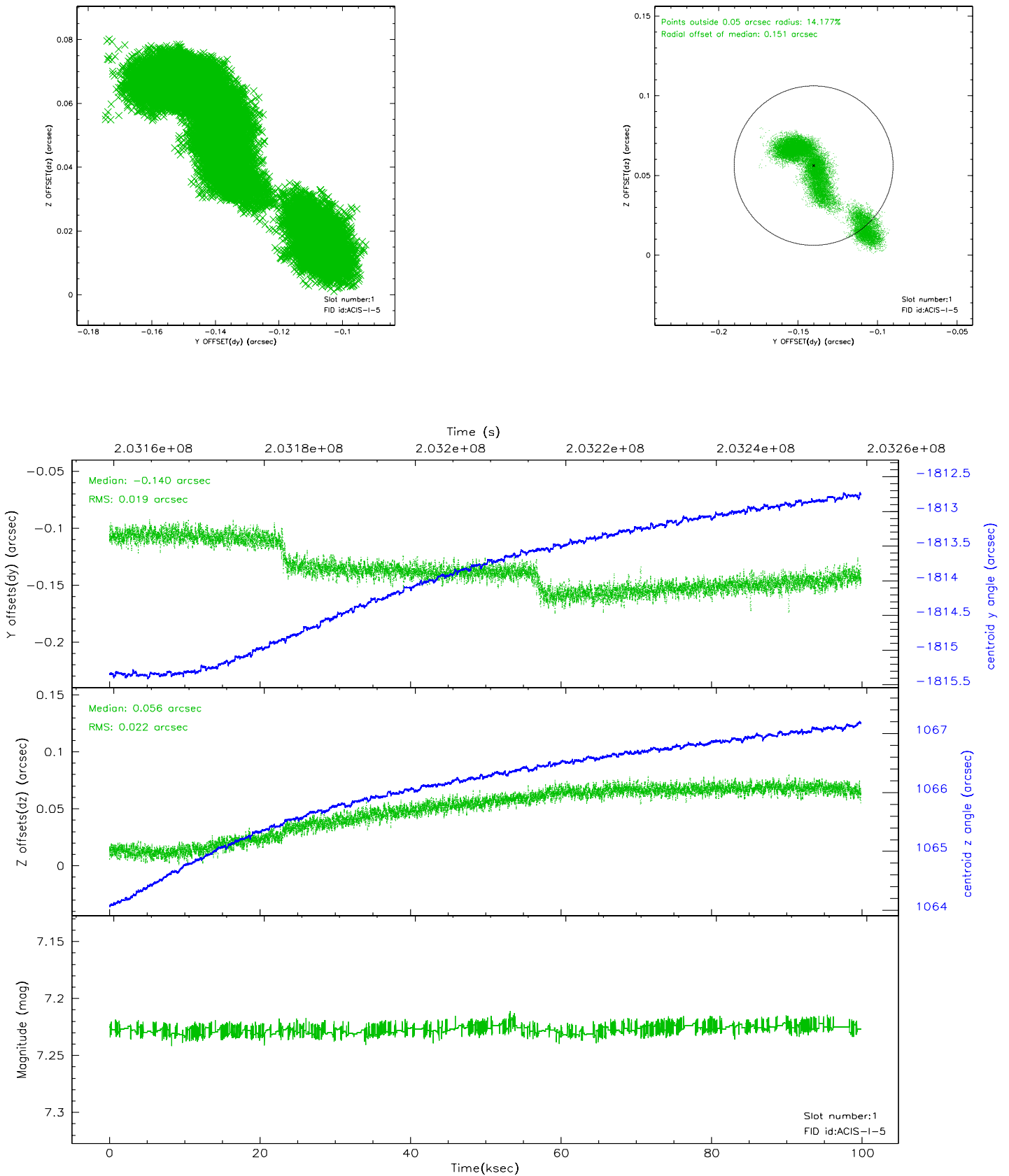


2.5 FID Slots

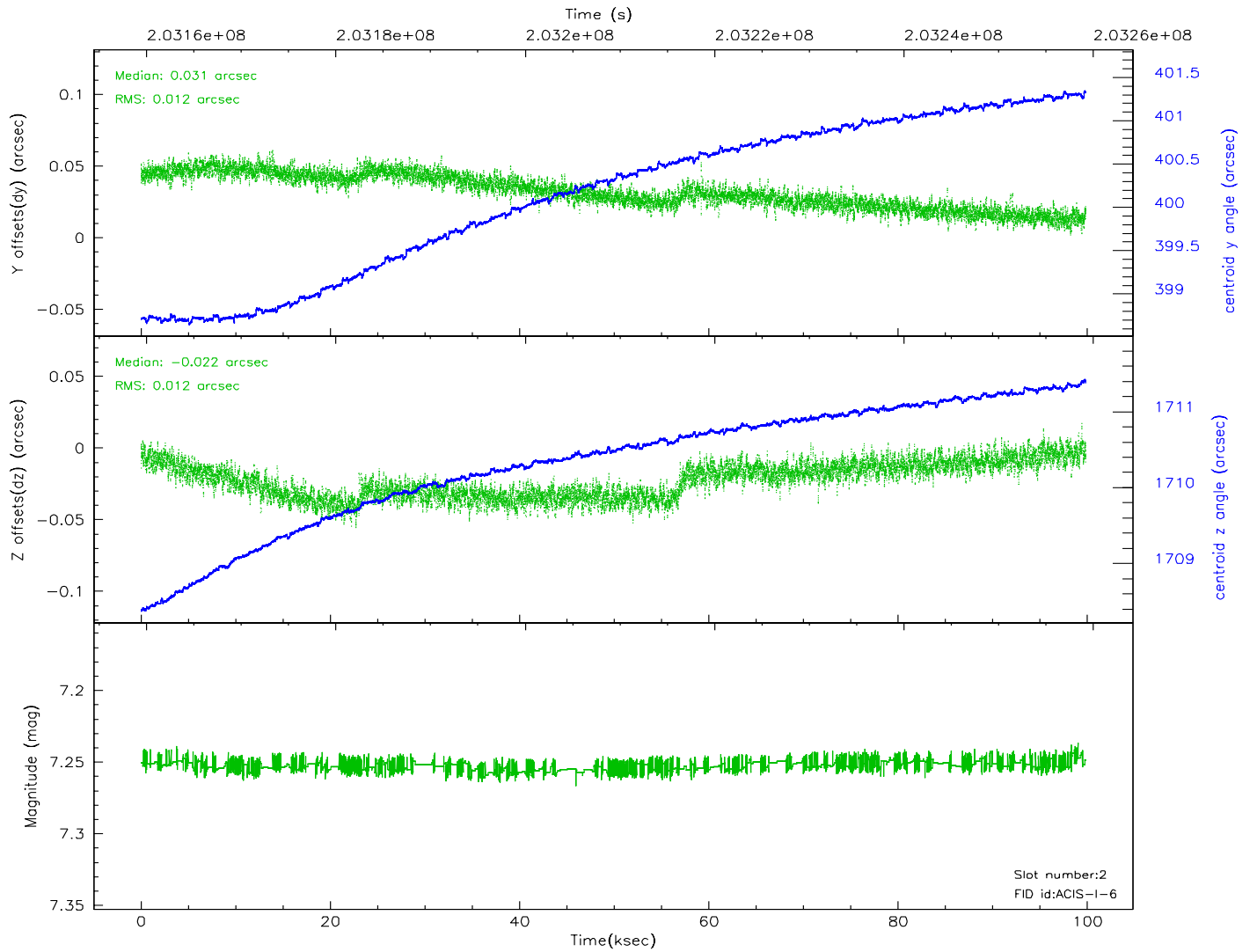
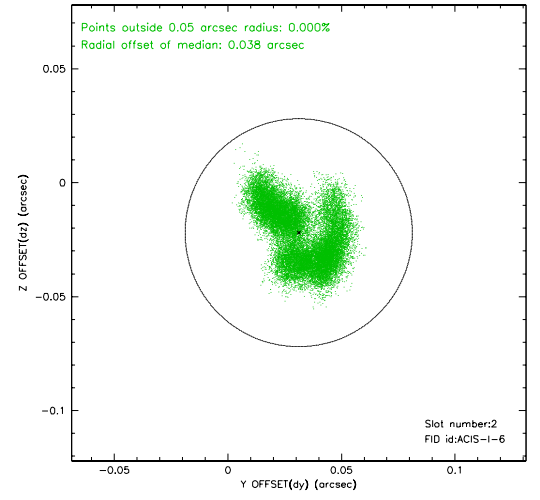
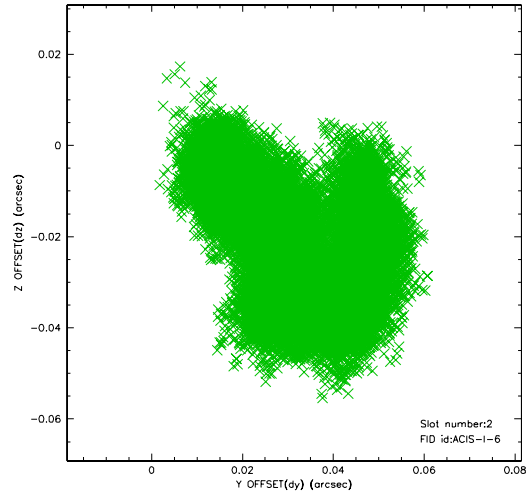
2.5.1 Slot 0



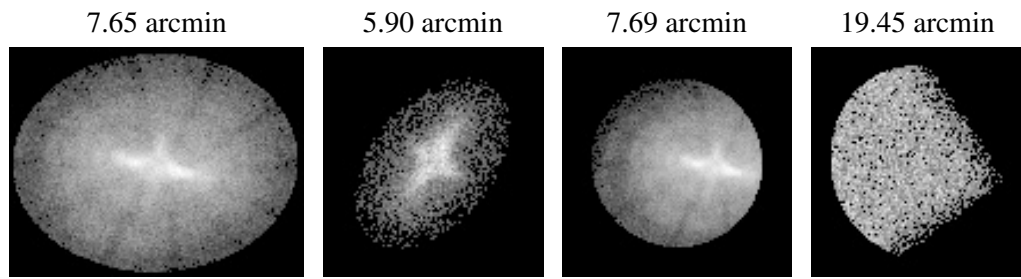
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2010.10.04
V&V Edition	2
V&V Disposition and Status	OK
V&V Charge Time	99.823

A.2 Comments

The guide star in slot 6 was manually excluded from the processing due to poor data quality.