

V&V Reference Report

L2 ASCDS Version : 7.6.7

Observation 5759 - L2 Version 002
Chandra X-Ray Center

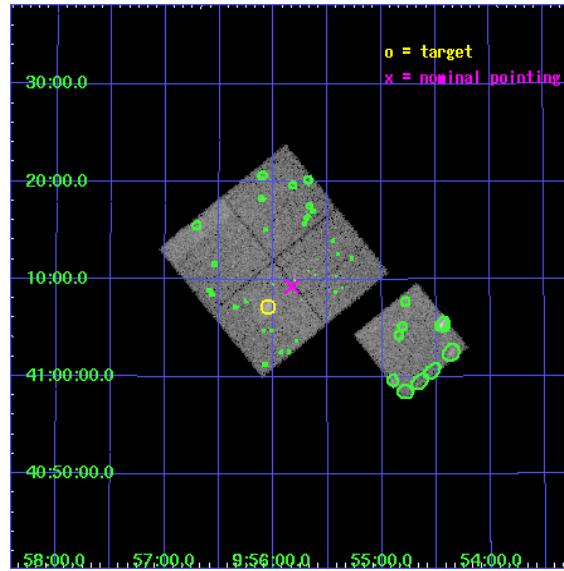
L2 Processing Date: Feb 19 2006

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1 Front

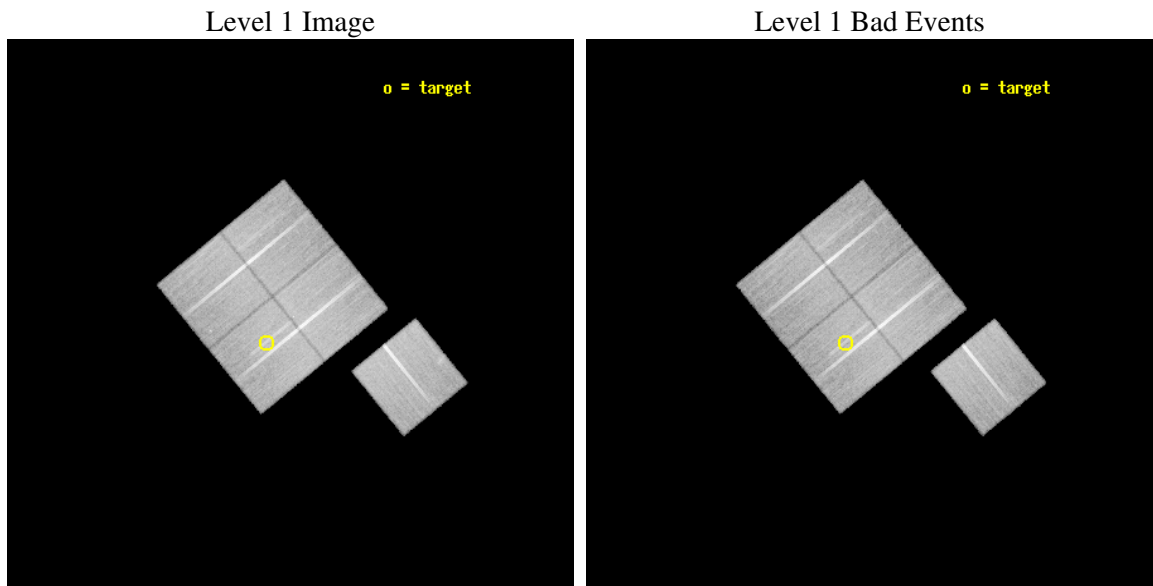
seq_num	800472
obs_id	5759
title	DARK ENERGY WITH X-RAY CLUSTERS: CHANDRA OBSERVATIONS OF 41 HIGH-REDSHIFT CLUSTERS FROM THE 400 deg^2 ROSAT PSPC SURVEY
observer	Dr Alexey Vikhlinin
object	cl0956+4107
dtcycle	0
cycle	P
ra_targ	149.011667
dec_targ	41.118889
ra_nom	148.95758827967
dec_nom	41.154771427865
roll_nom	140.74731139943
revision	2
ontime	40696.758931488
livetime	40165.02581553
ontime0	40699.899921745
ontime1	40696.758941501
ontime2	40699.899921745
ontime3	40696.758931488
ontime6	40696.758951426
l2events	109424



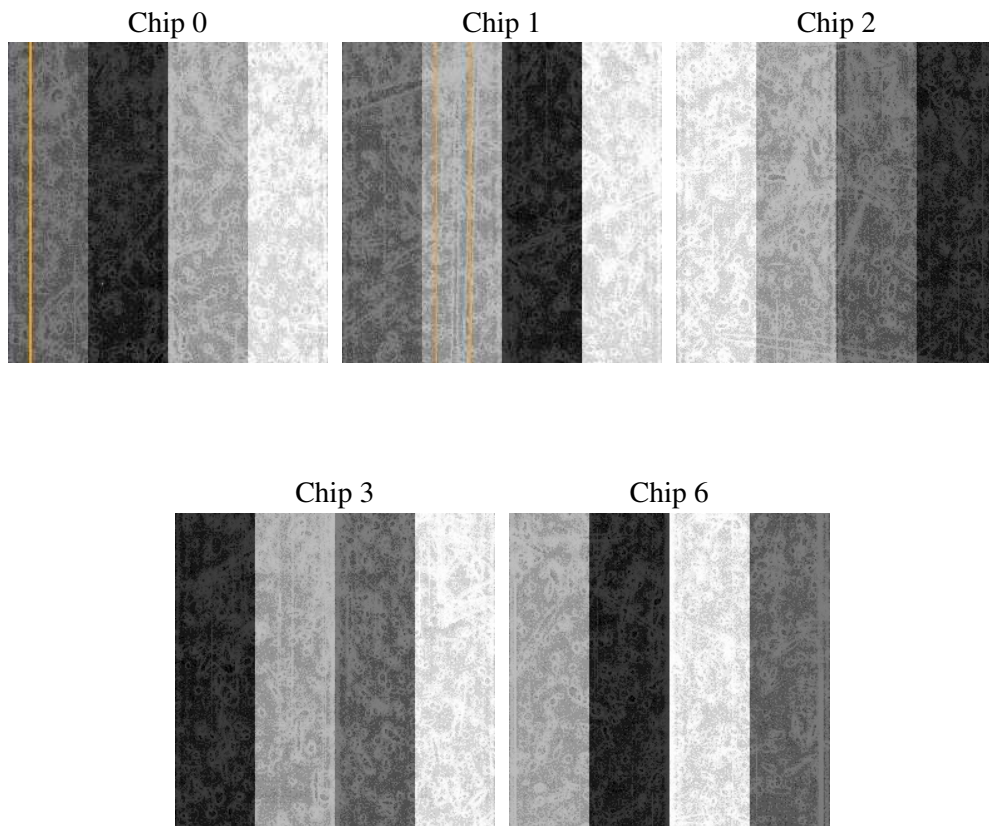
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1
ascdsver	7.6.7
caldbver	3.2.1
date	2006-02-19T20:27:53
revision	2

sched_exp_time	40517.000000
ontime	40782.903654128
ontime0	40786.044664264
ontime1	40782.903664142
ontime2	40786.044644386
ontime3	40782.903654128
ontime6	40782.903674066
l1events	1223782

2.1.4 Events

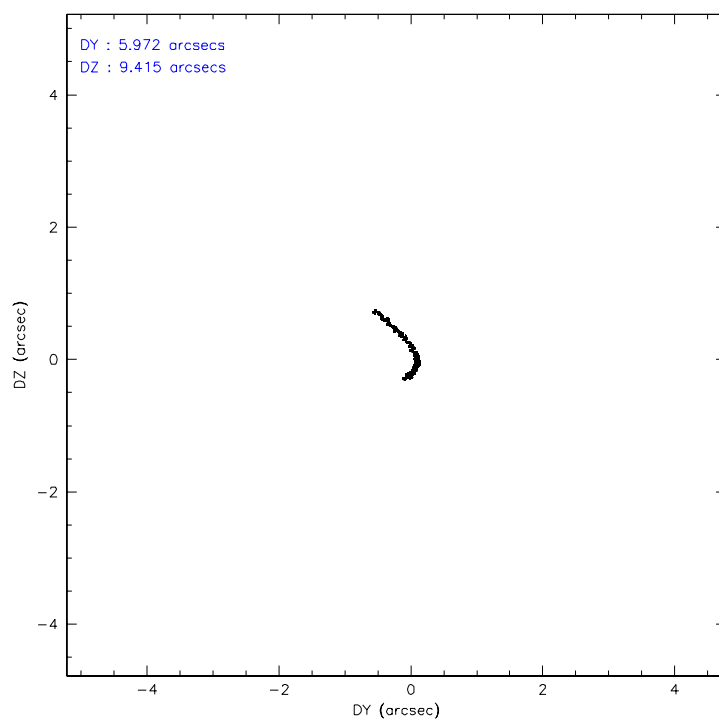
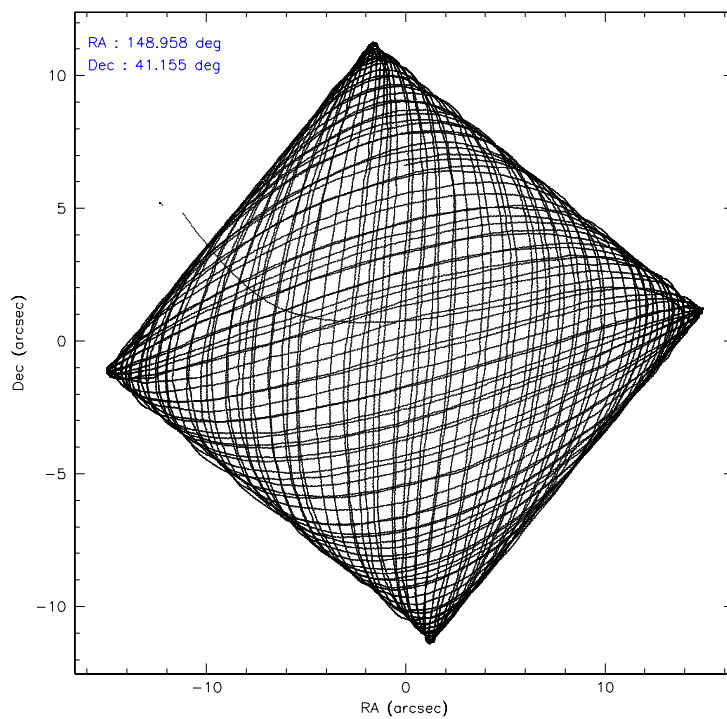
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	232297	232066	261690	249167	248562
rejected events	207217	203644	236952	224205	221671
rejected %	89%	87%	90%	89%	89%

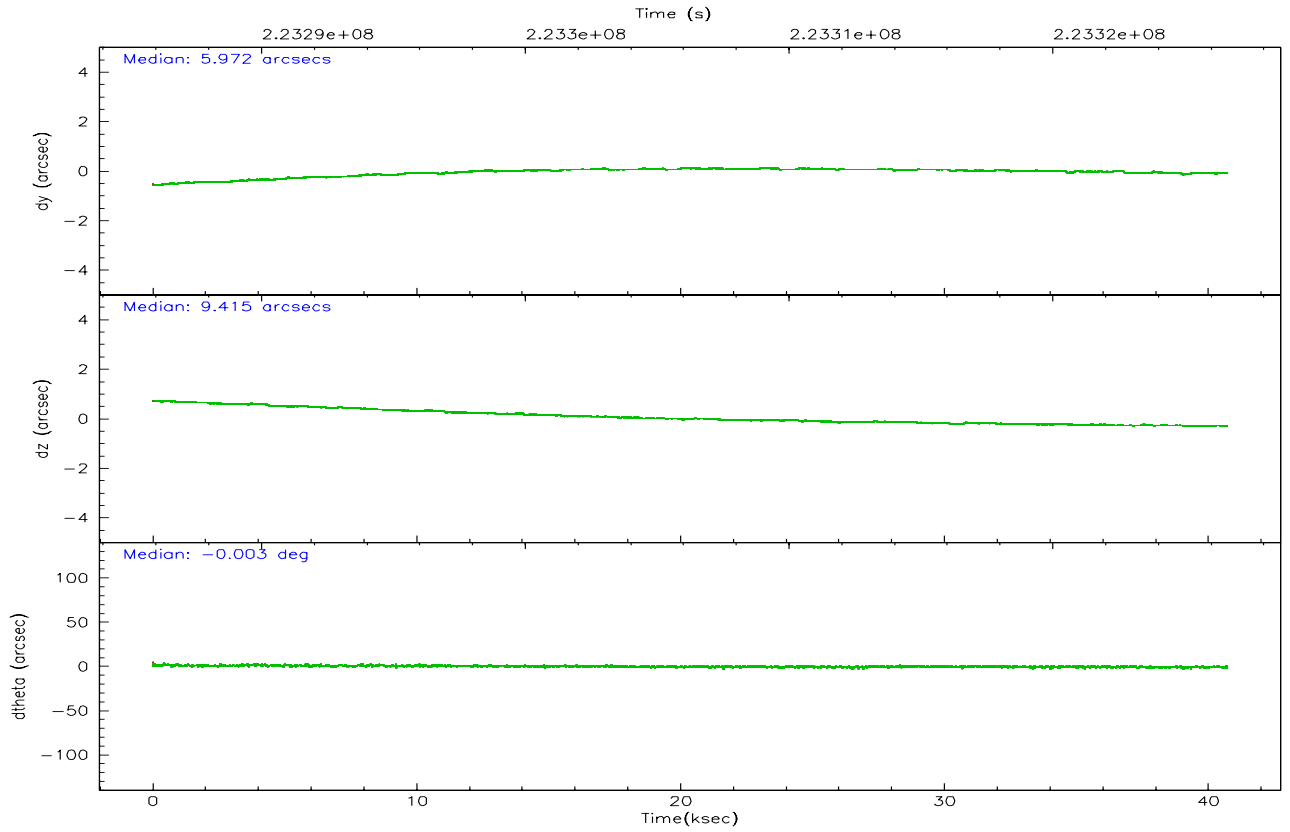
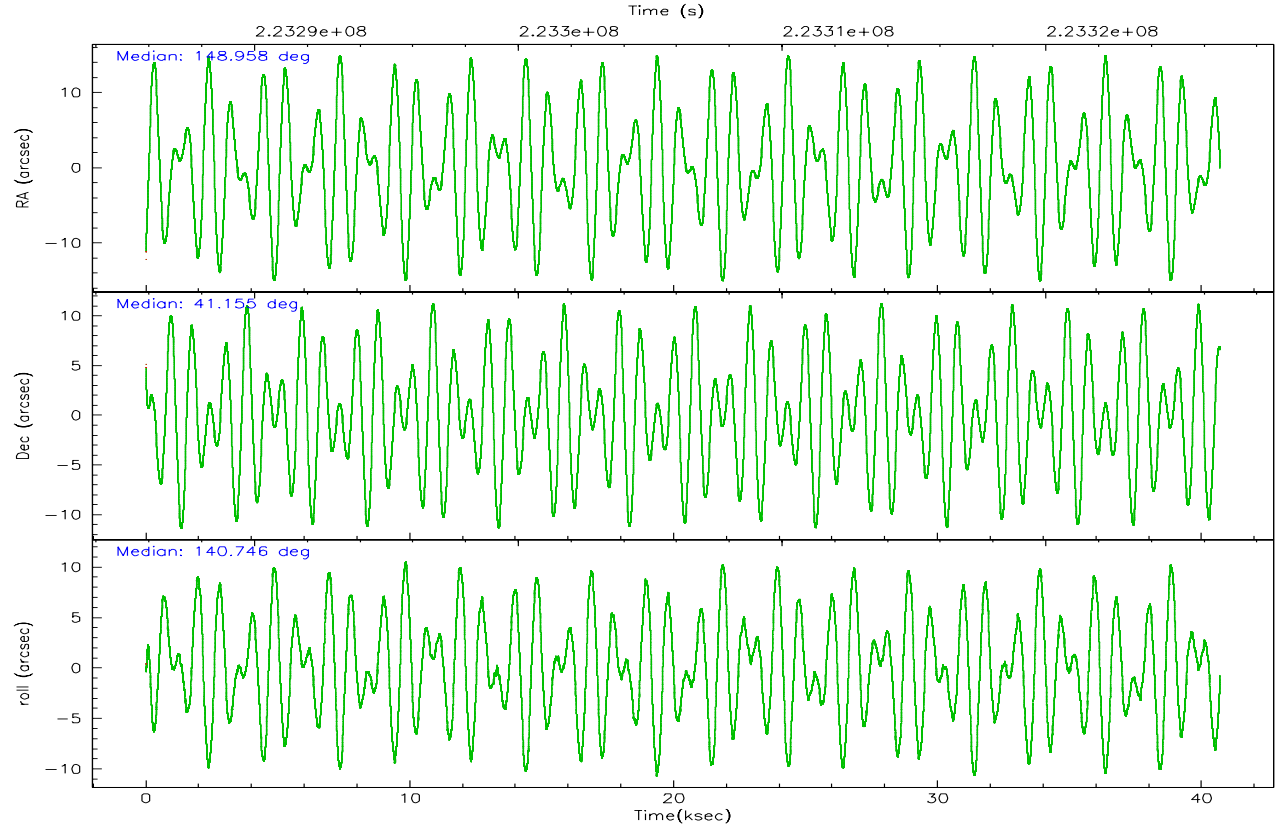
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	8811	10501	9171	9356	10147
	3%	4%	3%	3%	4%
grade 1 events	126	110	125	124	114
	0%	0%	0%	0%	0%
grade 2 events	5896	6086	5765	5353	5443
	2%	2%	2%	2%	2%
grade 3 events	2927	3094	2706	2794	2934
	1%	1%	1%	1%	1%
grade 4 events	2672	3033	2656	2757	2888
	1%	1%	1%	1%	1%
grade 5 events	8754	9423	8347	9934	9711
	3%	4%	3%	3%	3%
grade 6 events	4830	5760	4493	4754	5526
	2%	2%	1%	1%	2%
grade 7 events	198281	194059	228427	214095	211799
	85%	83%	87%	85%	85%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-01236	ACIS-01236	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	148.993472	148.9575882796727	Alternating exposures requested	N	N
Pointing Dec	41.150485	41.1547714278645	Primary exposure time	0.000000	3.1
Pointing Roll	140.515016	140.7473113994279			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-225.840463	-225.8433433320239			
SIM translation stage offset (mm)	-7.752	-7.749109670905796			
Observation start time	223286084.184000	223285041.05596			
Observation start date	2005-01-28T07:53:40	2005-01-28T07:37:21			
Observation end time	223326601.184000	223327406.35787			
Observation end date	2005-01-28T19:08:57	2005-01-28T19:23:26			
Read mode	TIMED	TIMED			

2.3 Aspect



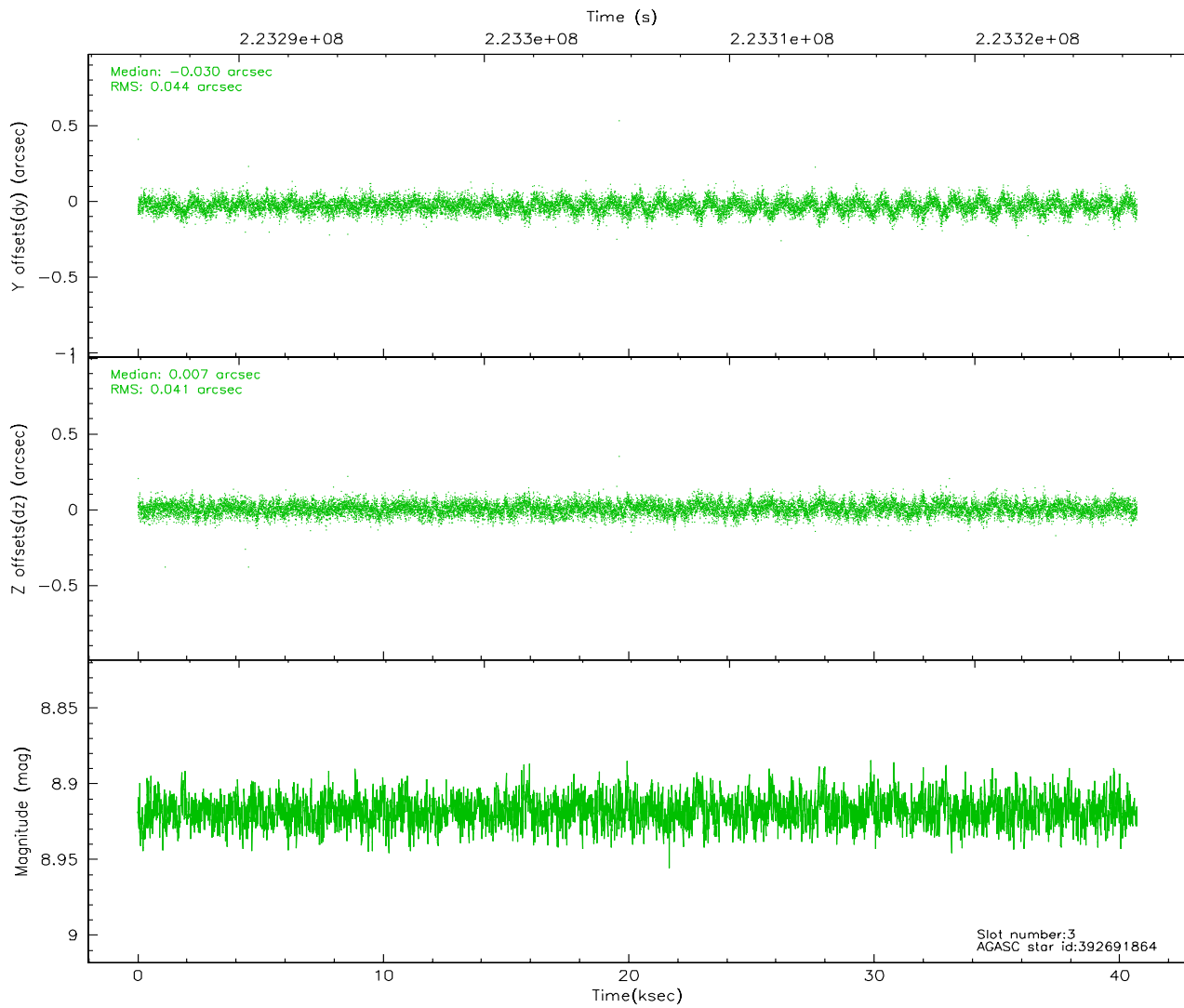
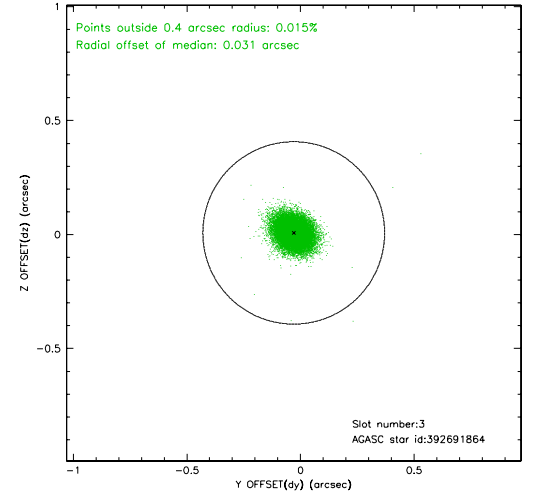
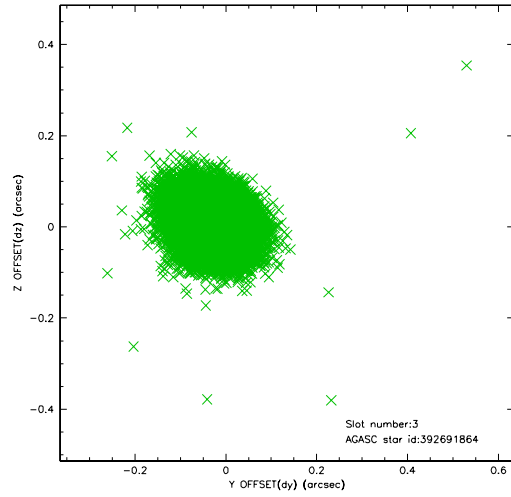


Slot Statistics

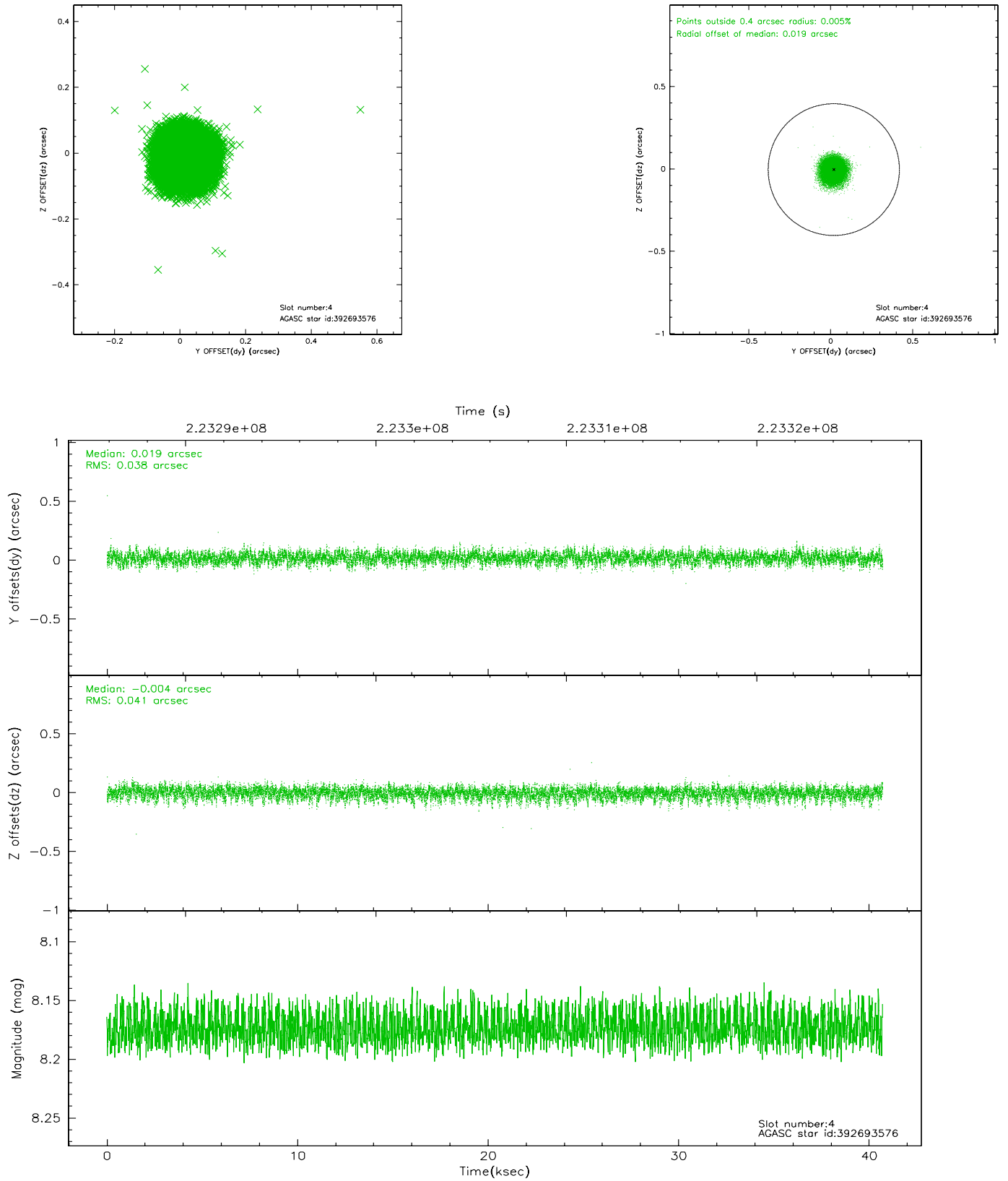
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.18	9928	-0.036	-0.025	0.012	0.021	0.000000	0.000000	-760.95	-997.41
1	FID	ACIS-I-4	7.14	9928	0.004	0.036	0.010	0.020	0.000000	0.000000	2153.08	908.80
2	FID	ACIS-I-5	7.22	9929	-0.068	0.058	0.009	0.015	0.000000	0.000000	-1814.41	905.64
3	GUIDE	392691864	8.92	19853	-0.030	0.007	0.063	0.104	148.998449	41.278003	281.95	-362.56
4	GUIDE	392693576	8.17	19854	0.019	-0.004	0.059	0.096	149.531855	41.595239	-97.29	-2160.66
5	GUIDE	392694320	8.54	19851	-0.070	-0.080	0.064	0.104	148.201769	41.462521	2369.24	483.75
6	GUIDE	392694512	9.10	19843	-0.033	0.108	0.077	0.124	149.375349	41.193921	-697.02	-779.89
7	GUIDE	392695480	8.86	19847	0.115	-0.027	0.067	0.107	149.916110	41.131503	-1965.34	-1548.18

2.4 Star Slots

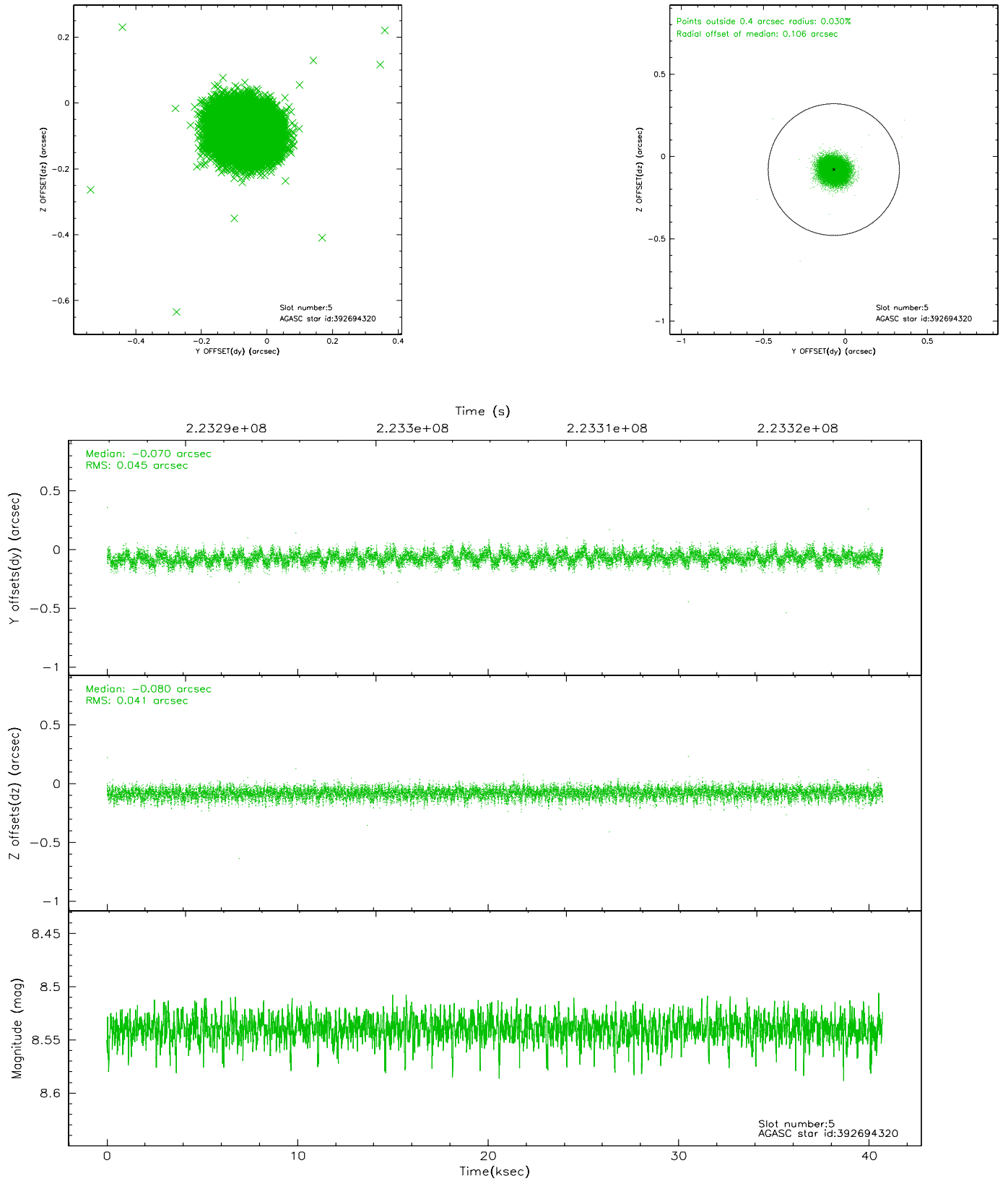
2.4.1 Slot 3



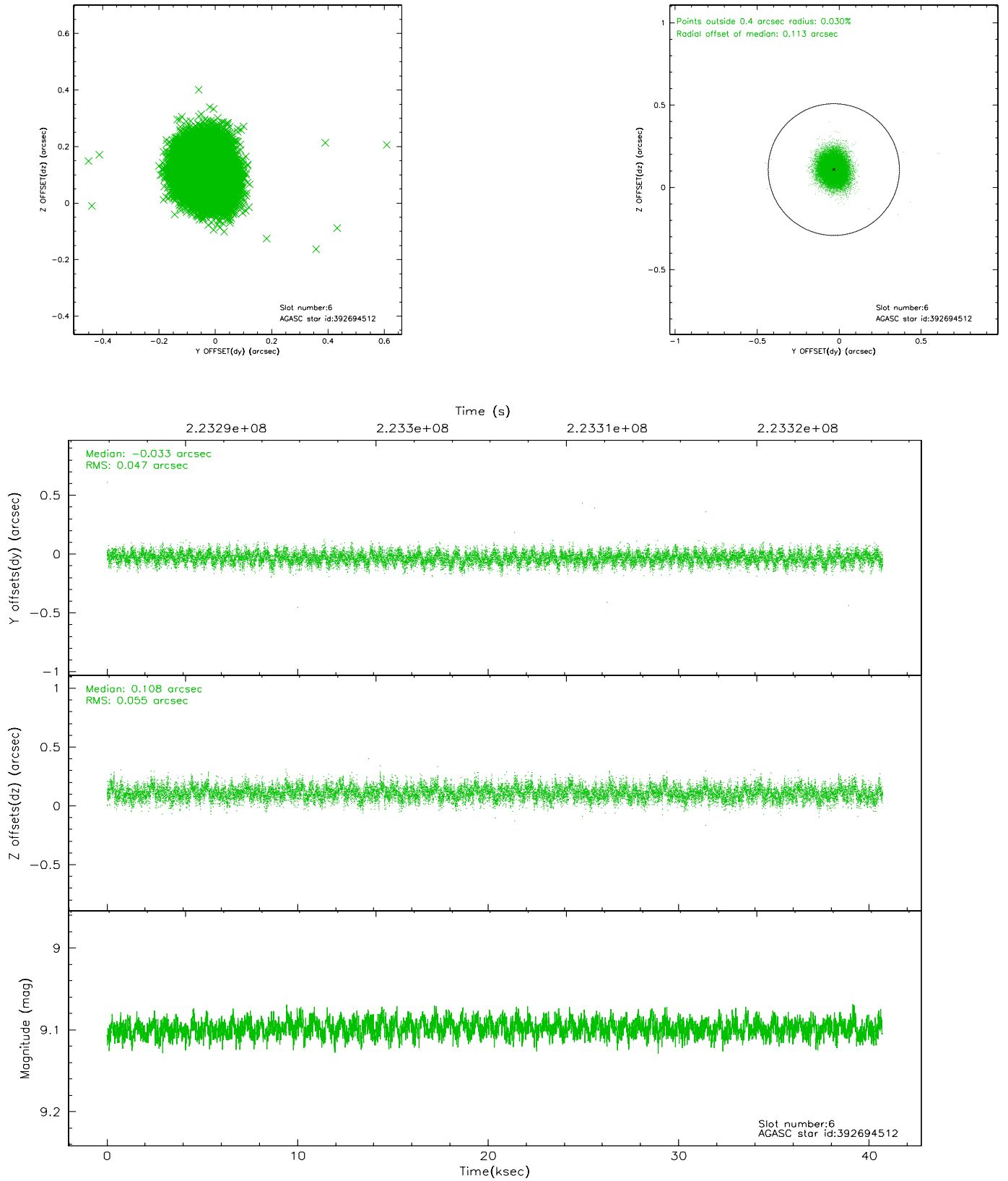
2.4.2 Slot 4



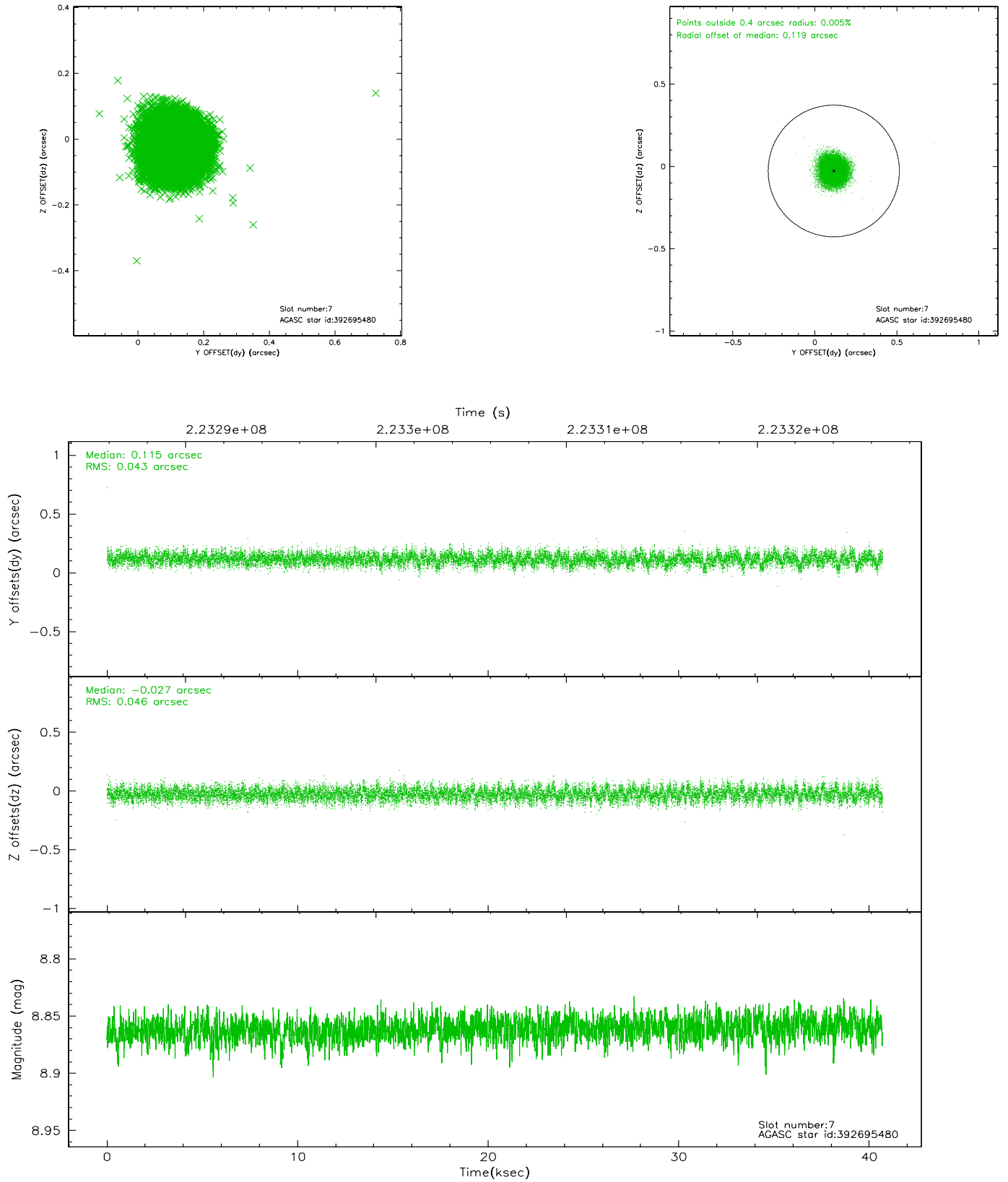
2.4.3 Slot 5



2.4.4 Slot 6

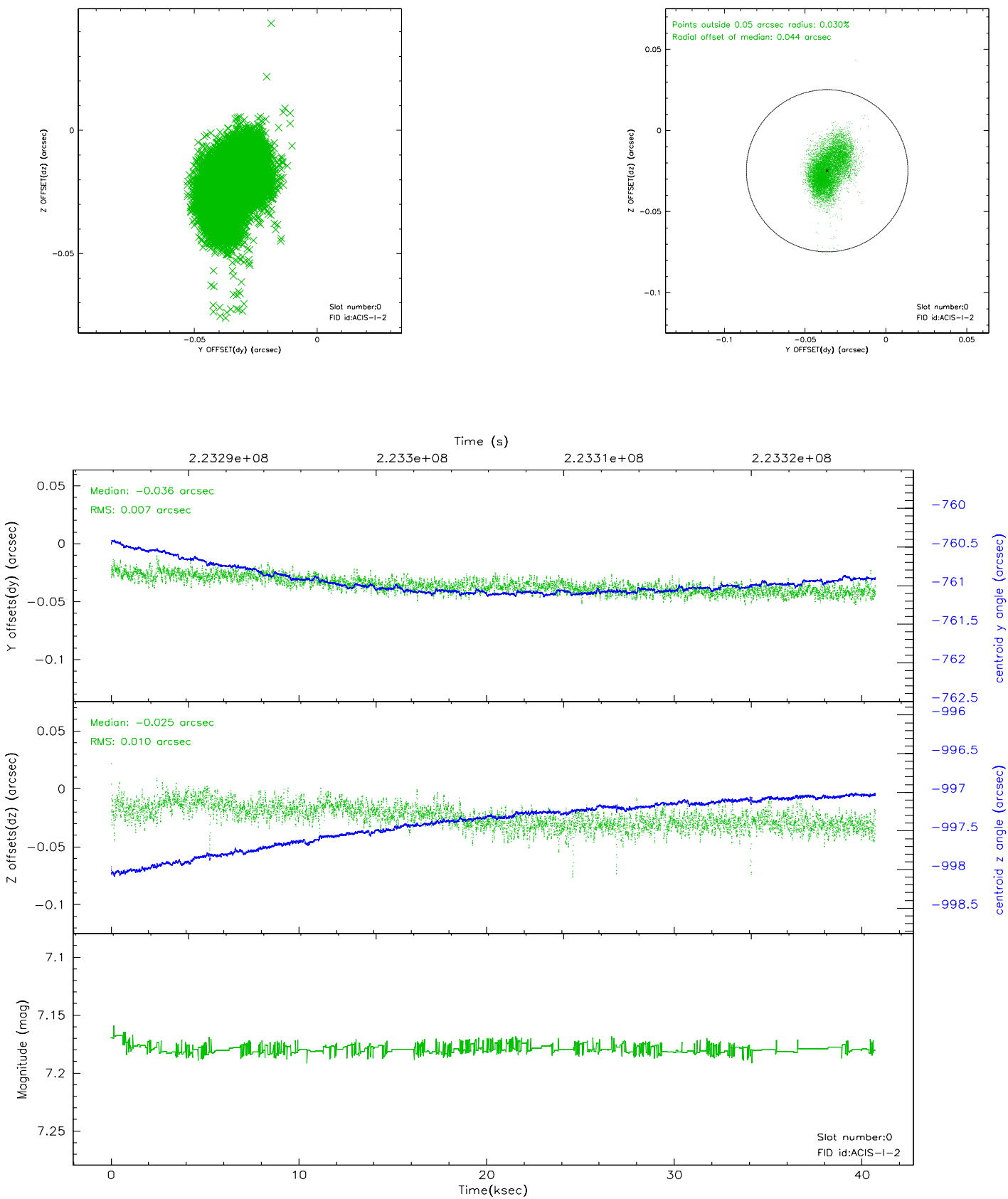


2.4.5 Slot 7

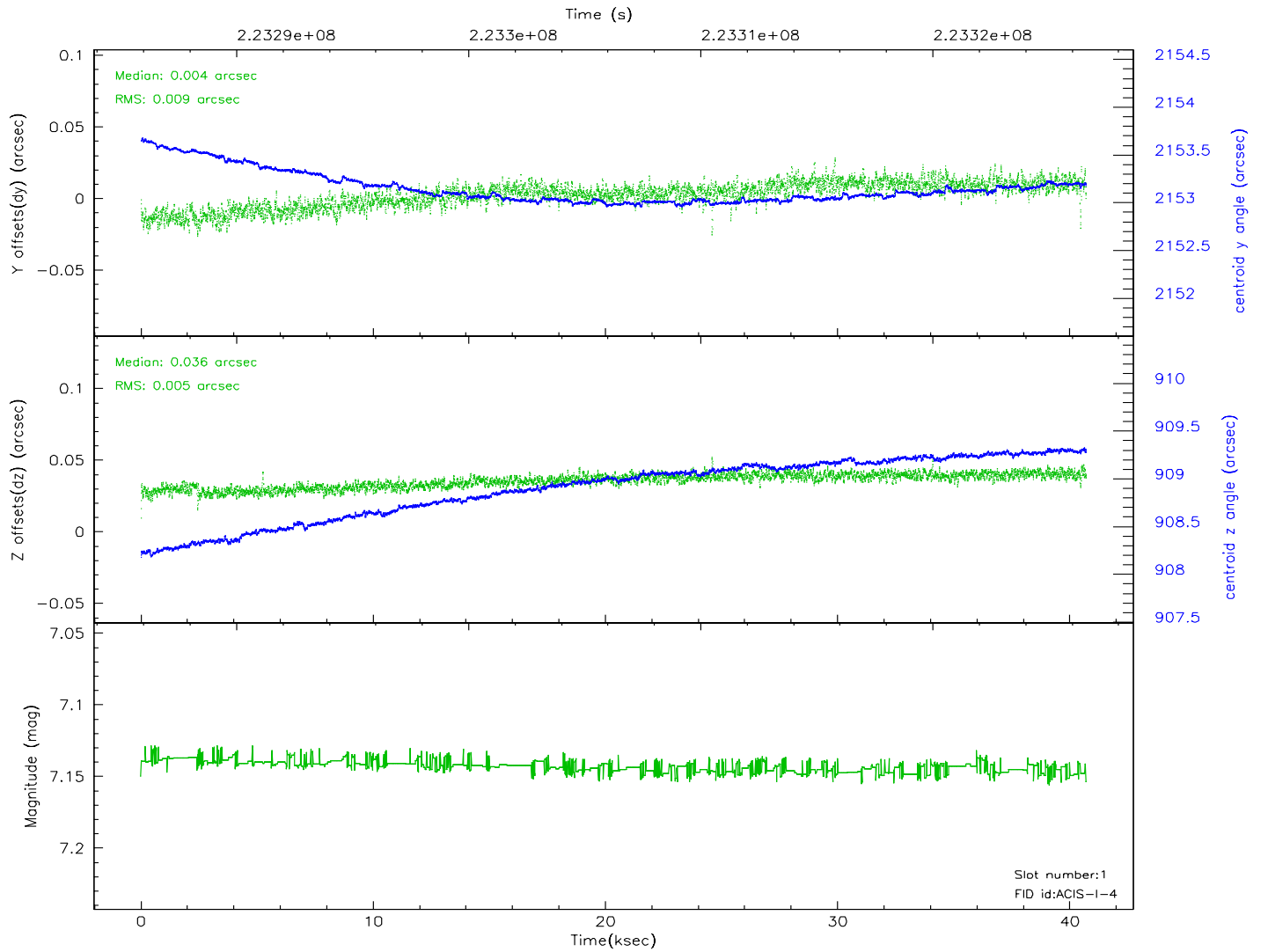
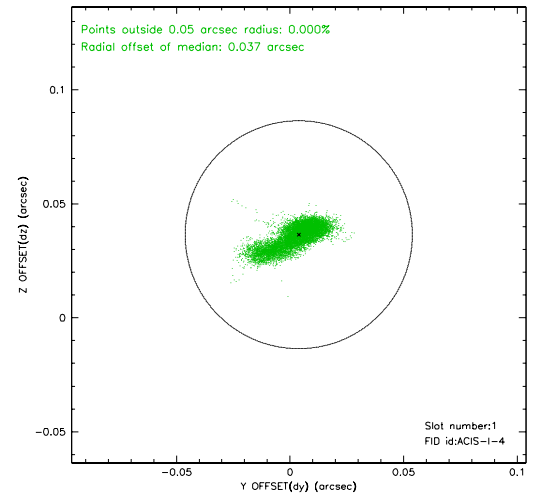
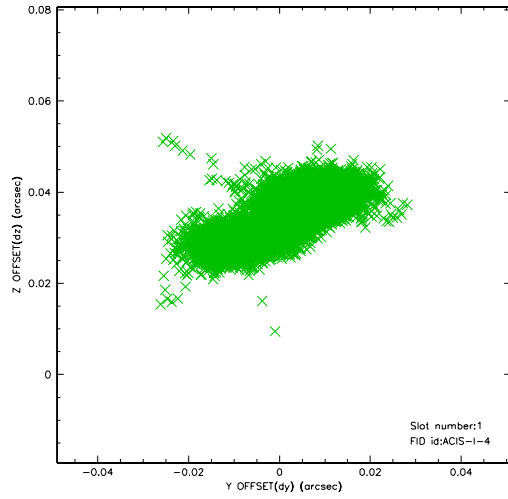


2.5 FID Slots

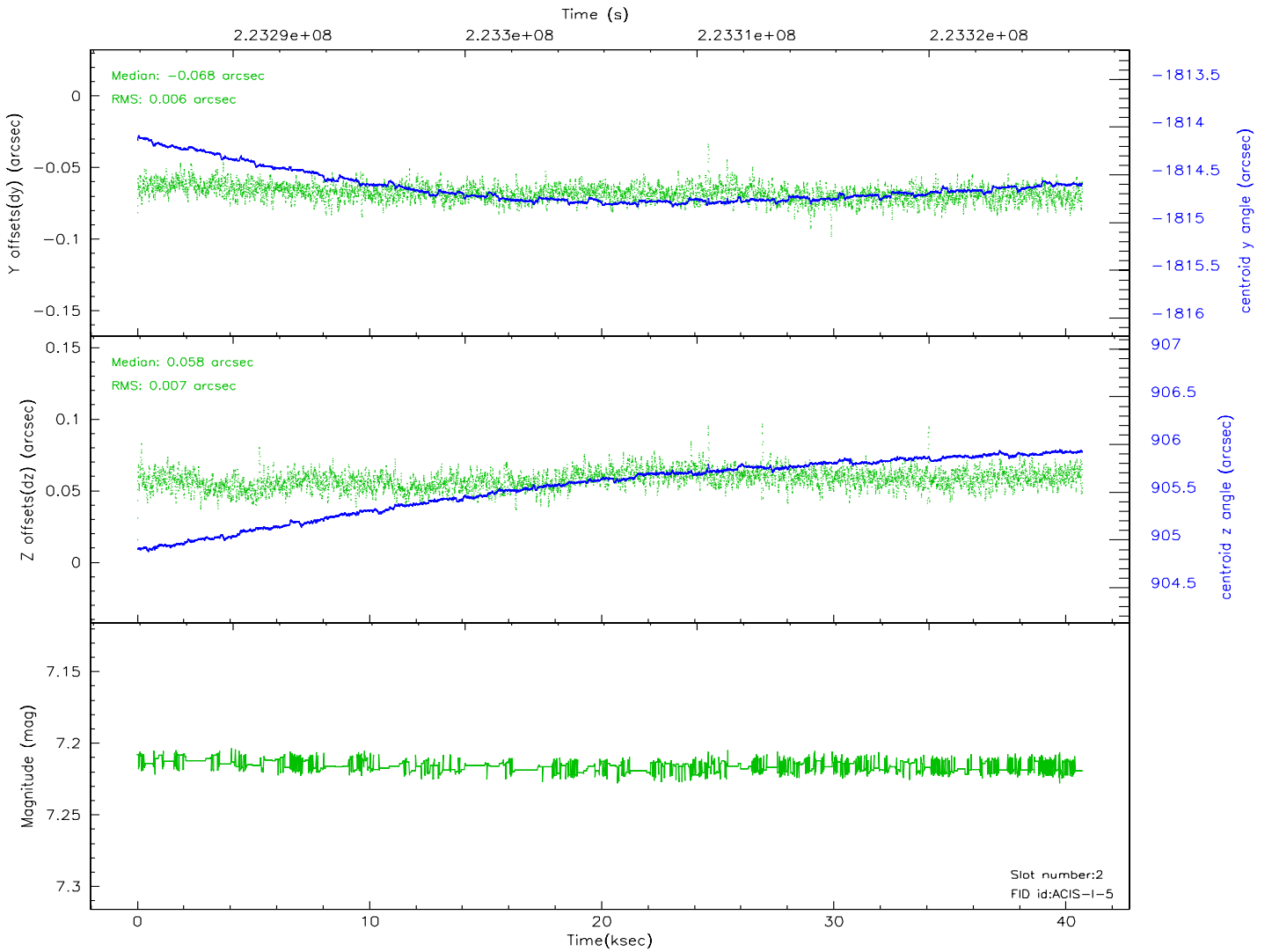
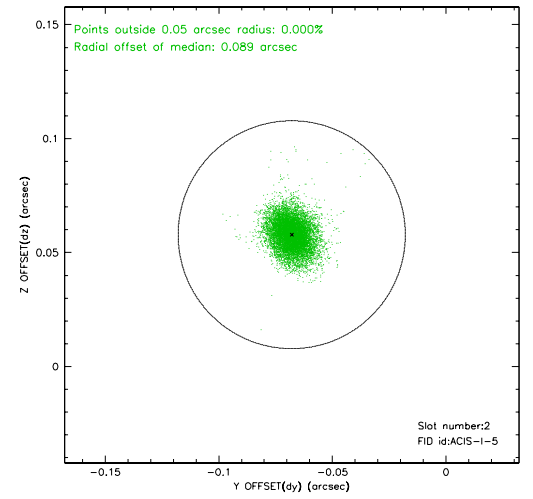
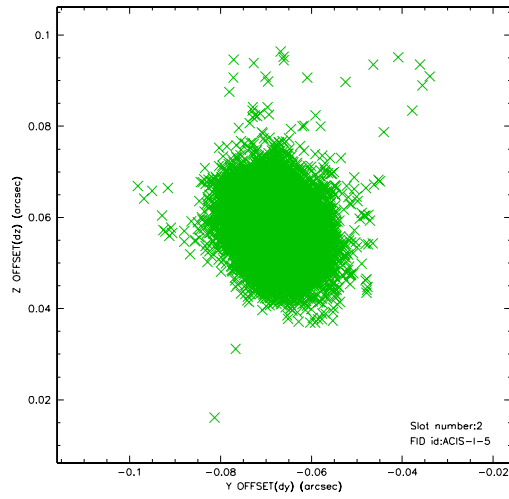
2.5.1 Slot 0



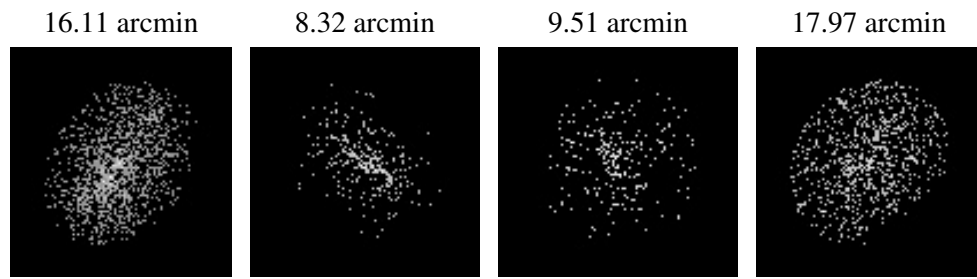
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.02.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	40.69675

A.2 Comments

Focal plane temperature rises during observation.