

V&V Reference Report

L2 ASCDS Version : 7.6.7

Observation 5847 - L2 Version 002
Chandra X-Ray Center

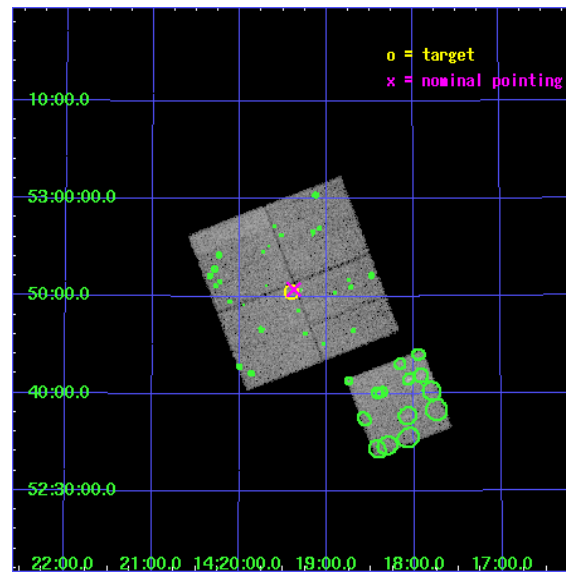
L2 Processing Date: Feb 28 2006

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1 Front

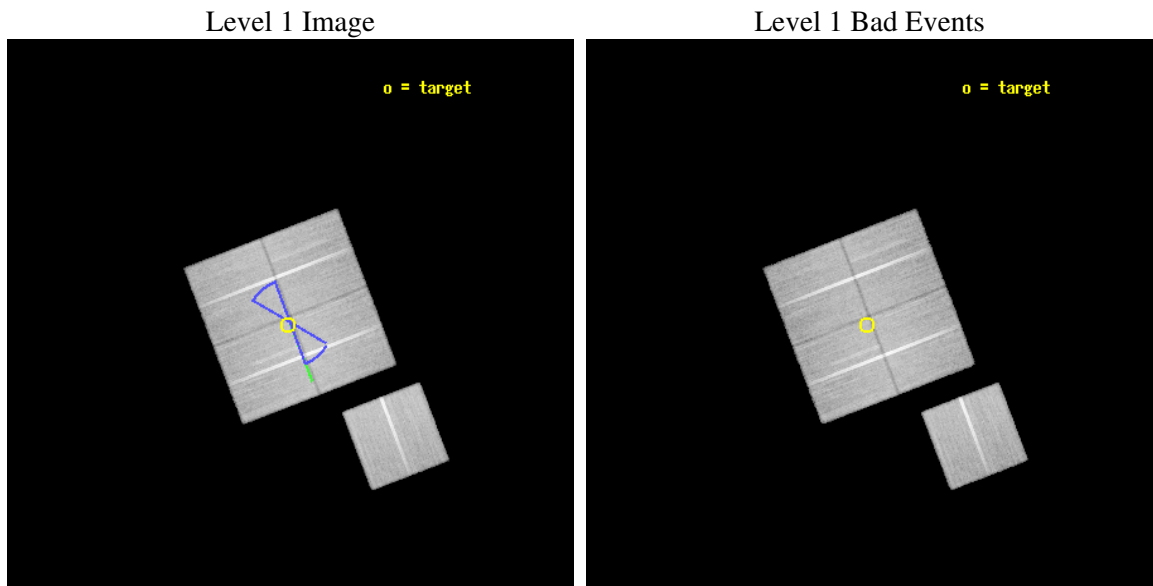
seq_num	900351
obs_id	5847
title	Deep Chandra Imaging of the Extended Groth Strip: The Co-evolution of Black Holes and Galaxies
observer	Dr Kirpal Nandra
object	EGS-4
dtcycle	0
cycle	P
ra_targ	214.849579
dec_targ	52.842415
ra_nom	214.84407670369
dec_nom	52.845630128657
roll_nom	159.01306991811
revision	2
ontime	45142.158932954
livetime	44552.343393321
ontime0	45142.158913016
ontime1	45139.01795277
ontime2	45139.017962813
ontime3	45142.158932954
ontime6	45135.87698251
l2events	117711



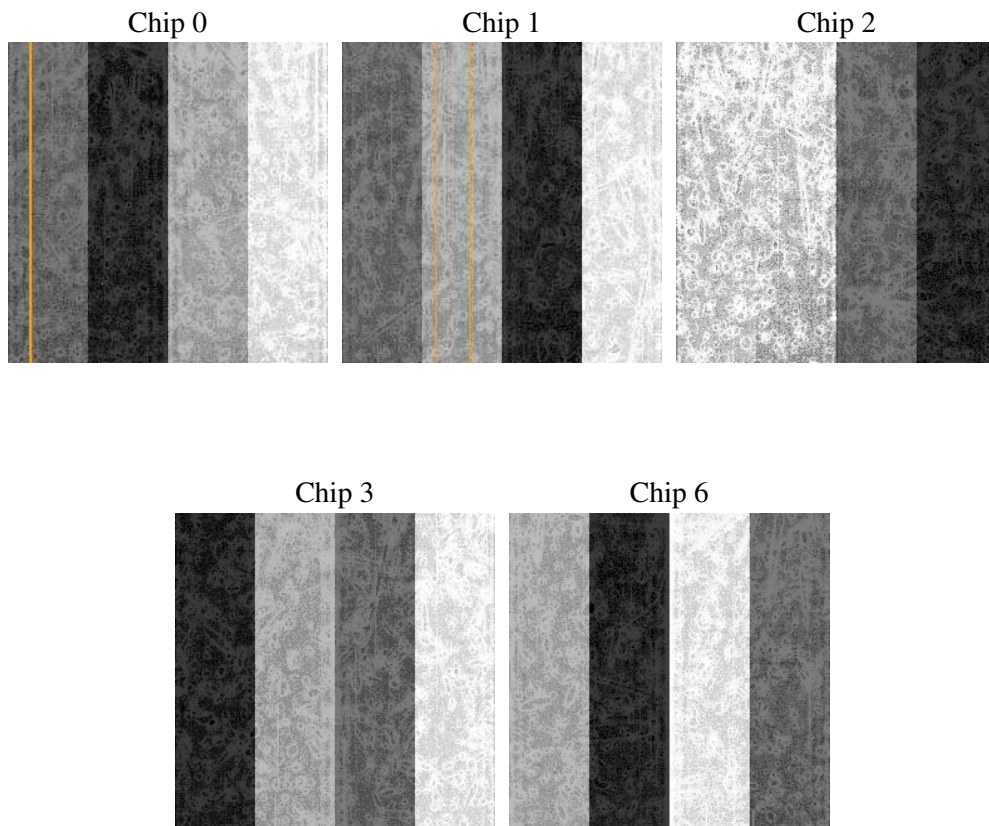
2 OBI

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	2006-02-28T17:02:41
revision	2

sched_exp_time	45000.000000
ontime	45585.43786186
ontime0	45588.578862041
ontime1	45582.296911597
ontime2	45582.296891719
ontime3	45585.43786186
ontime6	45582.296931535
l1events	1400925

2.1.4 Events

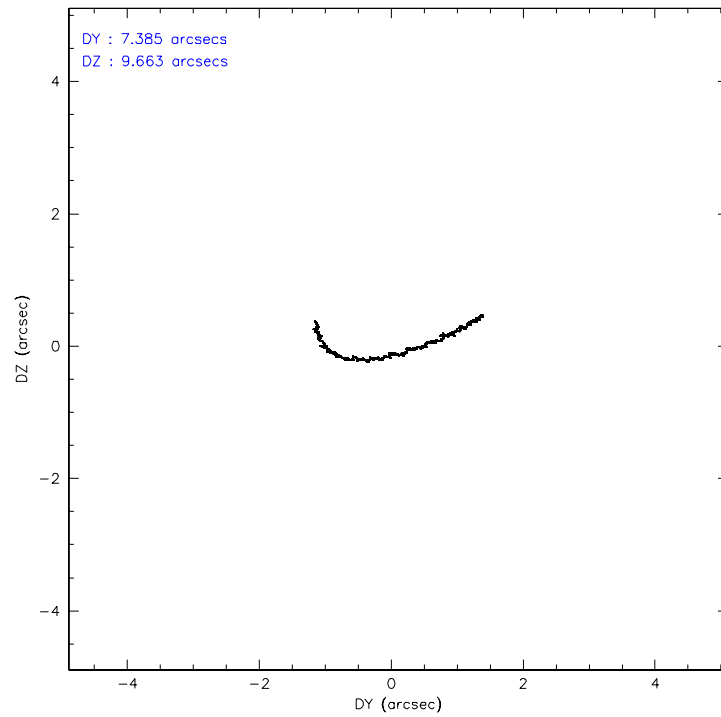
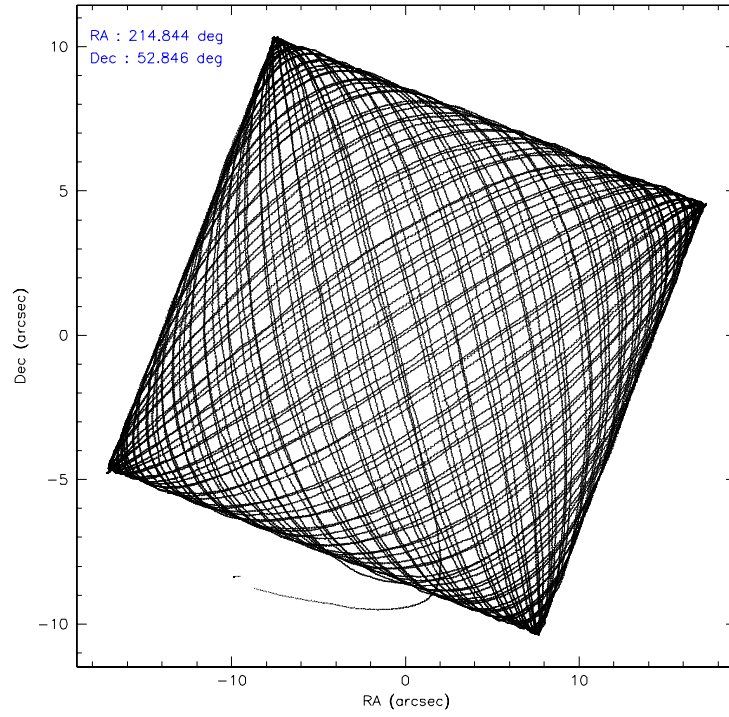
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	266035	266058	292432	289697	286703
rejected events	238430	235251	265411	263017	257368
rejected %	89%	88%	90%	90%	89%

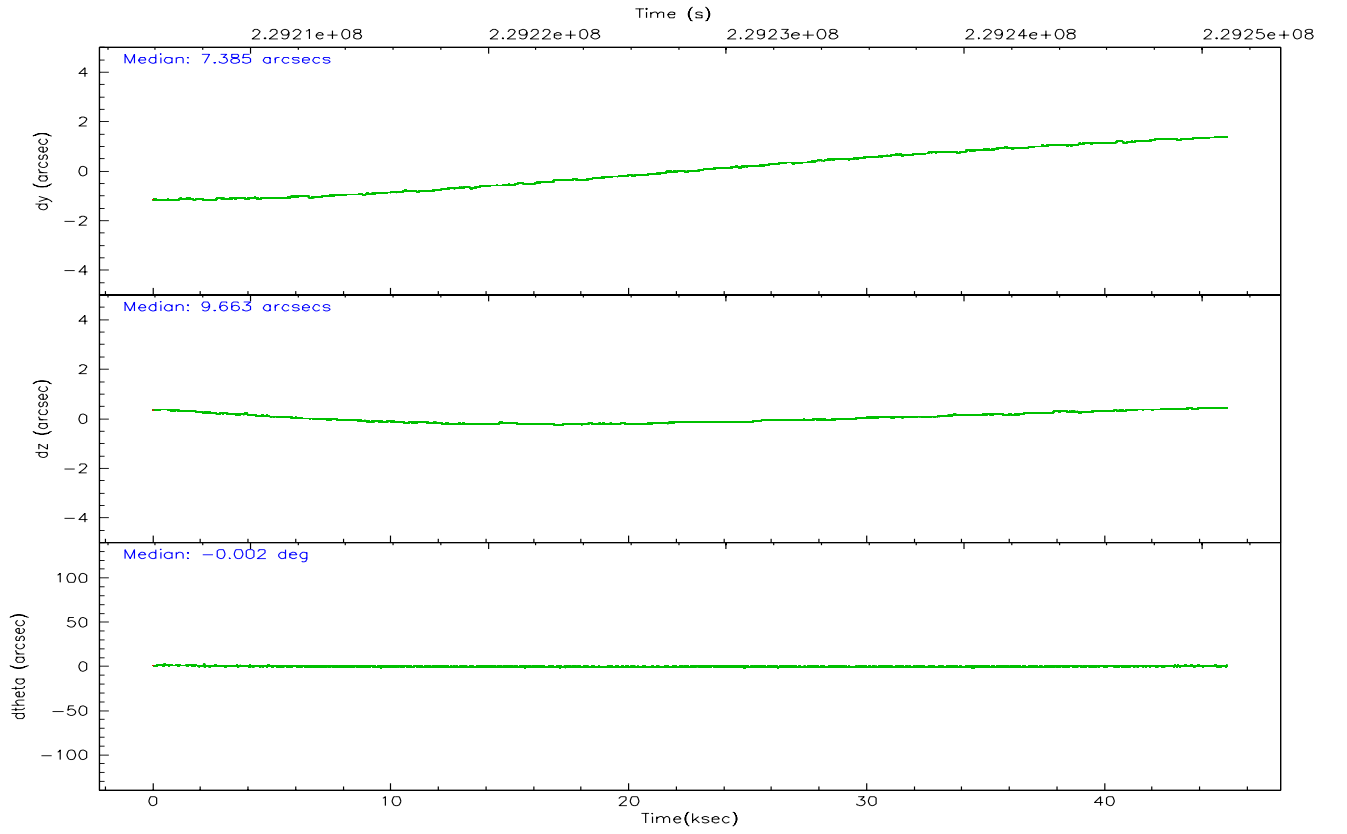
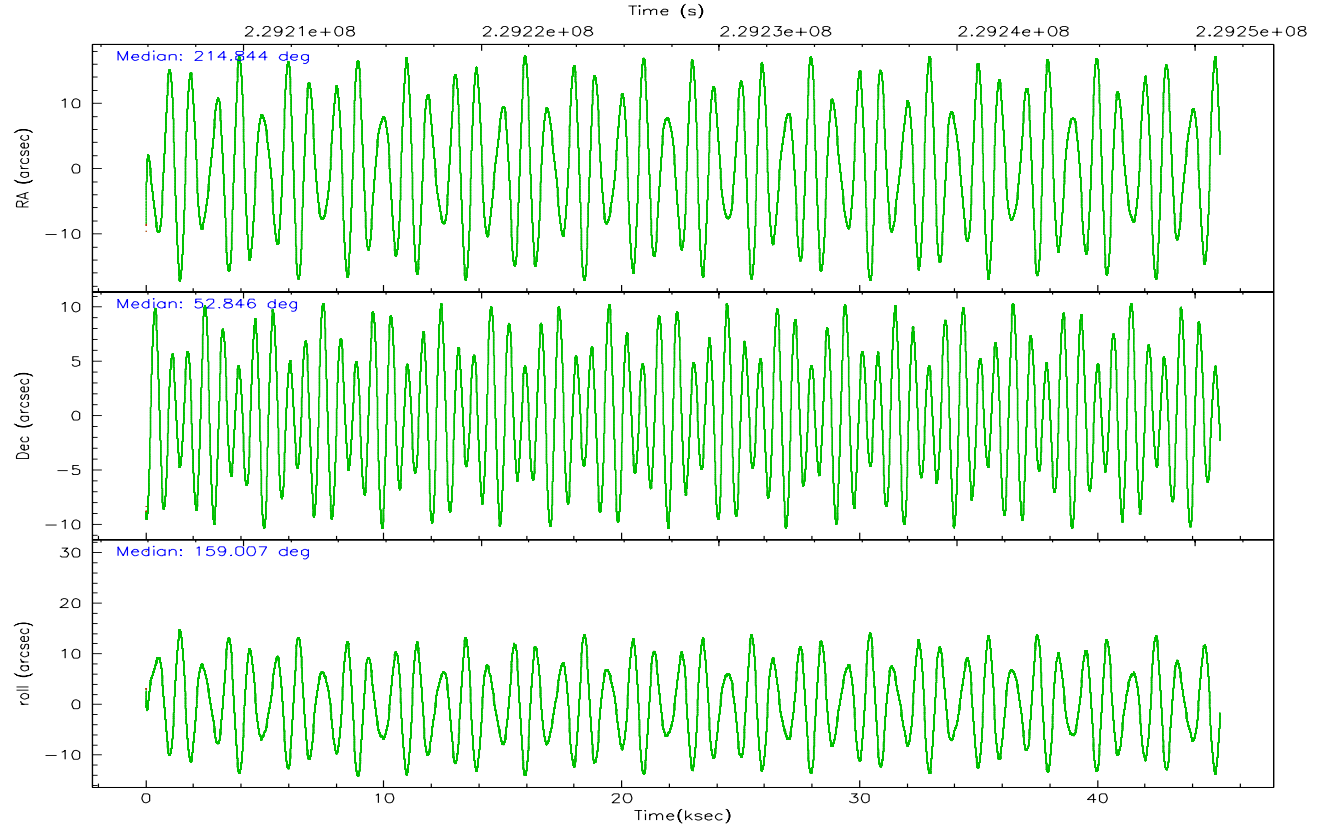
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	9272	10938	9606	9548	10491
	3%	4%	3%	3%	3%
grade 1 events	144	131	150	152	135
	0%	0%	0%	0%	0%
grade 2 events	6774	6717	6363	5815	6357
	2%	2%	2%	2%	2%
grade 3 events	3230	3553	3103	3072	3291
	1%	1%	1%	1%	1%
grade 4 events	3085	3508	3083	3117	3250
	1%	1%	1%	1%	1%
grade 5 events	10224	10905	9644	11435	11212
	3%	4%	3%	3%	3%
grade 6 events	5536	6406	5099	5411	6209
	2%	2%	1%	1%	2%
grade 7 events	227770	223900	255384	251147	245758
	85%	84%	87%	86%	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	214.888811	214.8440767036938	Alternating exposures requested	N	N
Pointing Dec	52.850024	52.84563012865726	Primary exposure time	0.000000	3.1
Pointing Roll	158.768723	159.0130699181129			
Roll angle	50.756000	50.756000			
Roll tolerance	20.000000	20.000000			
Roll constraint allows 180D rotation	Y	Y			
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	229206065.184000	229204869.37417			
Observation start date	2005-04-06T20:20:01	2005-04-06T20:01:09			
Observation end time	229251065.184000	229251722.6388			
Observation end date	2005-04-07T08:50:01	2005-04-07T09:02:02			
Read mode	TIMED	TIMED			

2.3 Aspect



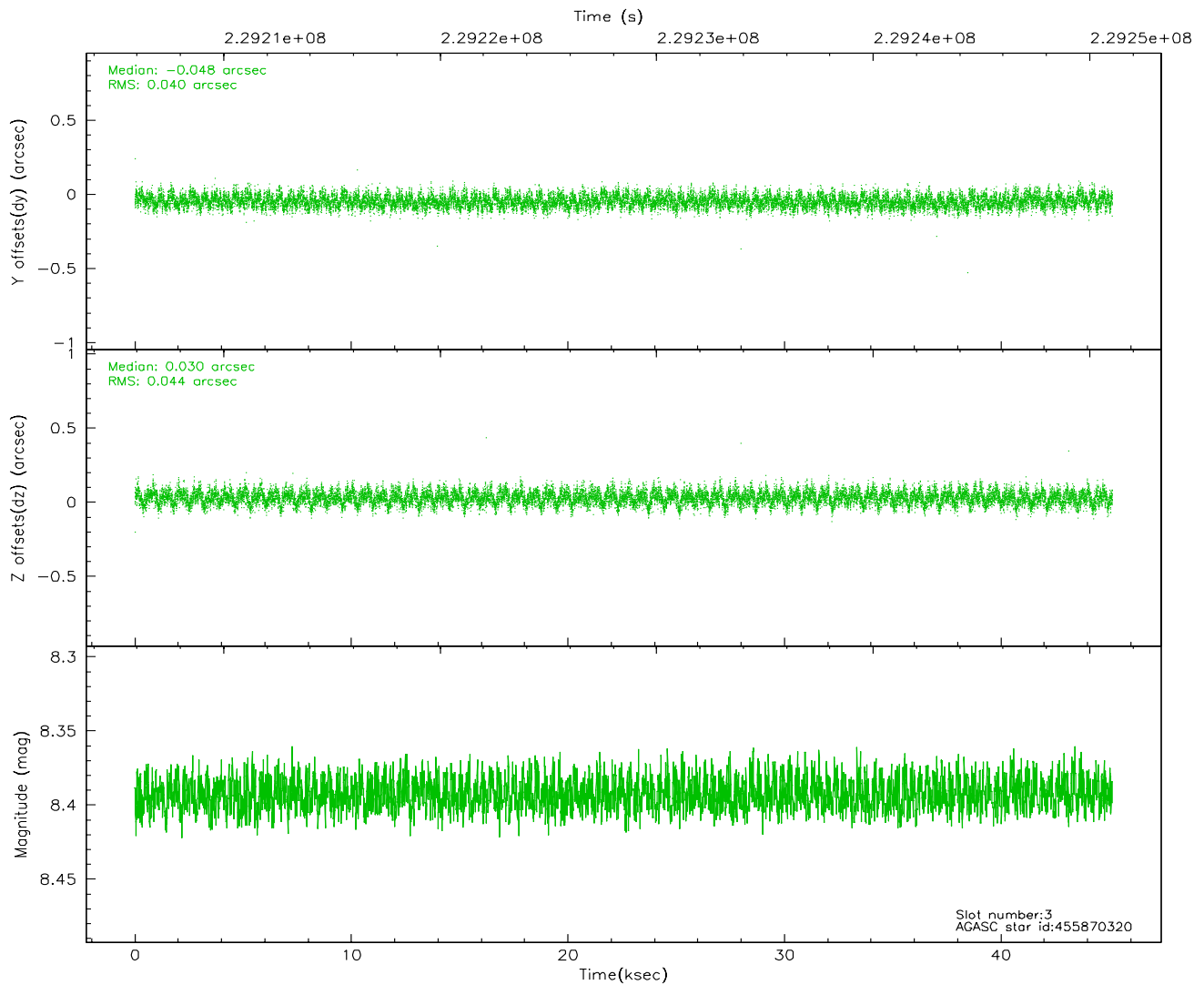
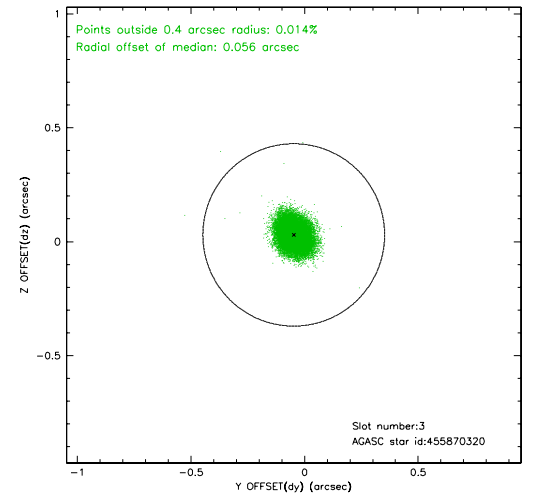
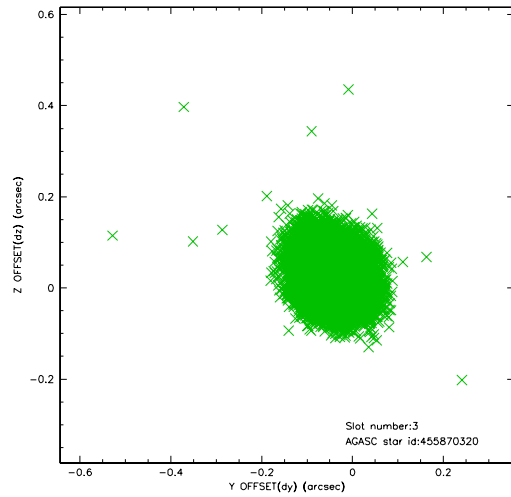


Slot Statistics

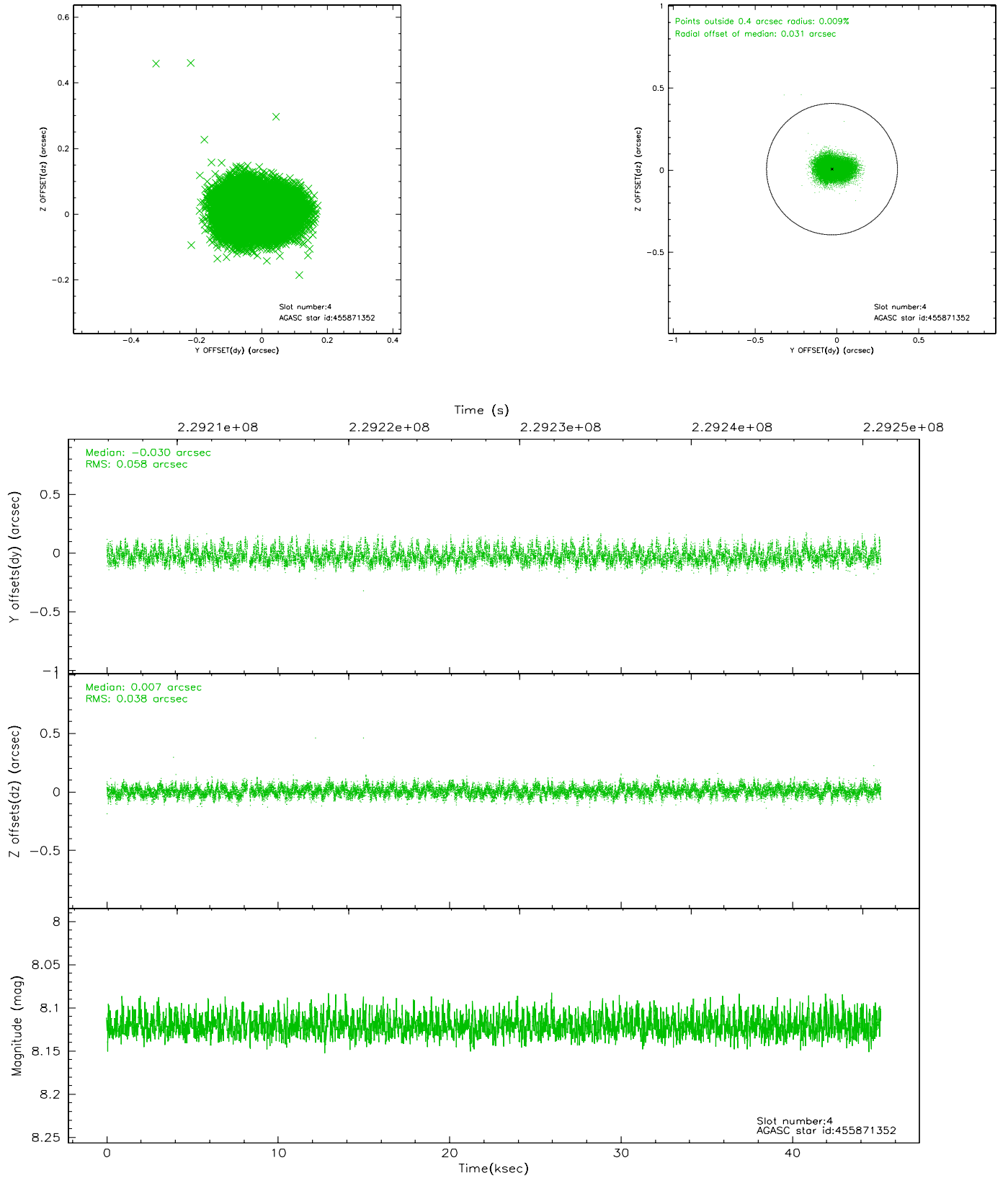
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	11012	-0.020	0.056	0.017	0.032	0.000000	0.000000	932.24	-833.11
1	FID	ACIS-I-5	7.23	11014	-0.127	0.017	0.022	0.043	0.000000	0.000000	-1815.99	1064.33
2	FID	ACIS-I-6	7.25	11014	0.058	-0.001	0.014	0.025	0.000000	0.000000	397.86	1708.82
3	GUIDE	455870320	8.39	22023	-0.048	0.030	0.063	0.101	214.874440	52.401638	-555.24	1516.19
4	GUIDE	455871352	8.12	21954	-0.030	0.007	0.073	0.122	215.099961	52.172669	-1317.49	2103.57
5	GUIDE	505806936	7.00	22023	0.036	-0.026	0.069	0.116	213.820815	52.535927	1776.64	1885.13
6	GUIDE	505812088	8.18	22023	0.038	0.098	0.077	0.124	214.186617	53.263562	1951.60	-846.54
7	GUIDE	505812376	7.60	22023	-0.004	-0.107	0.052	0.081	214.039537	52.937930	1836.30	362.32

2.4 Star Slots

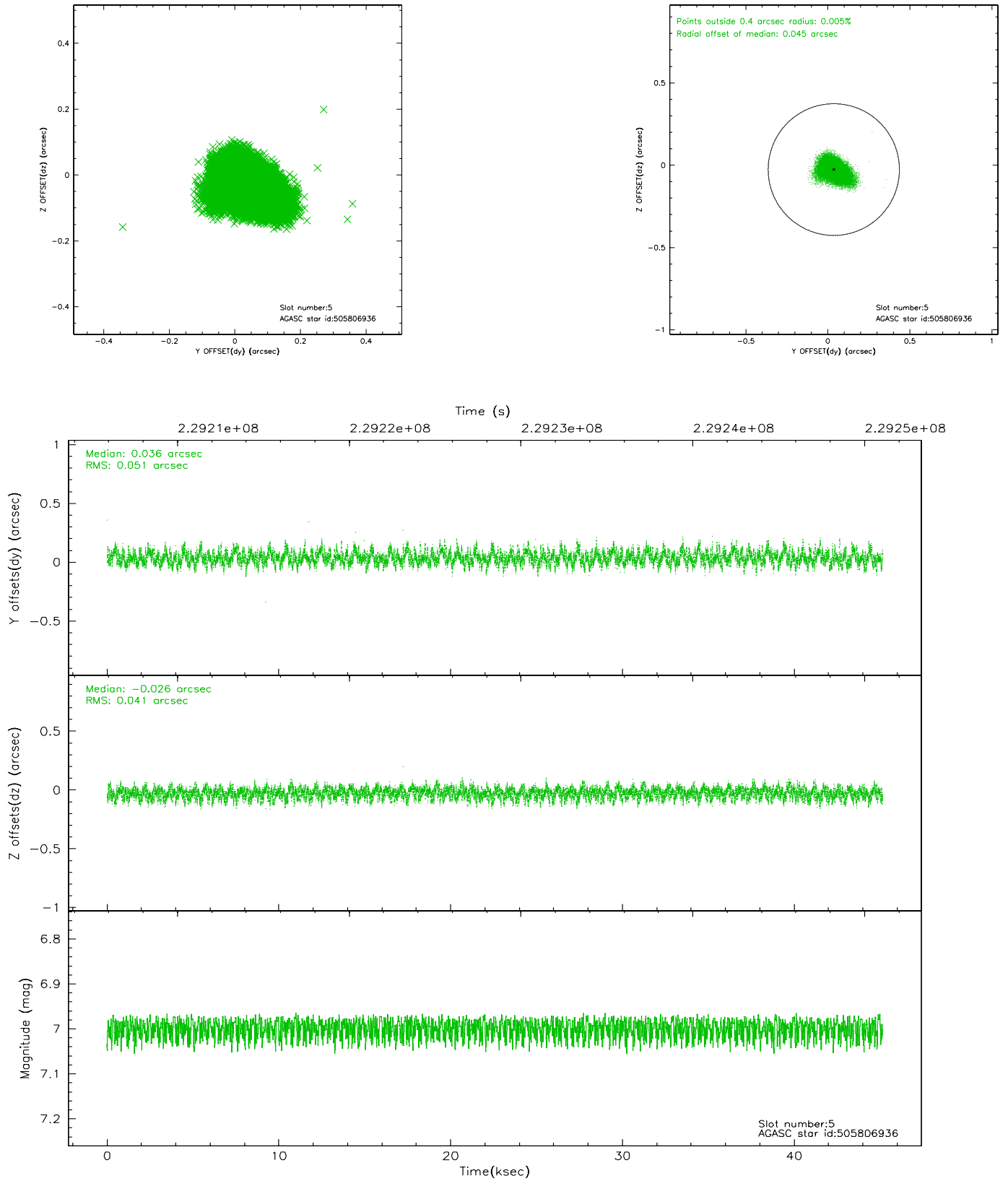
2.4.1 Slot 3



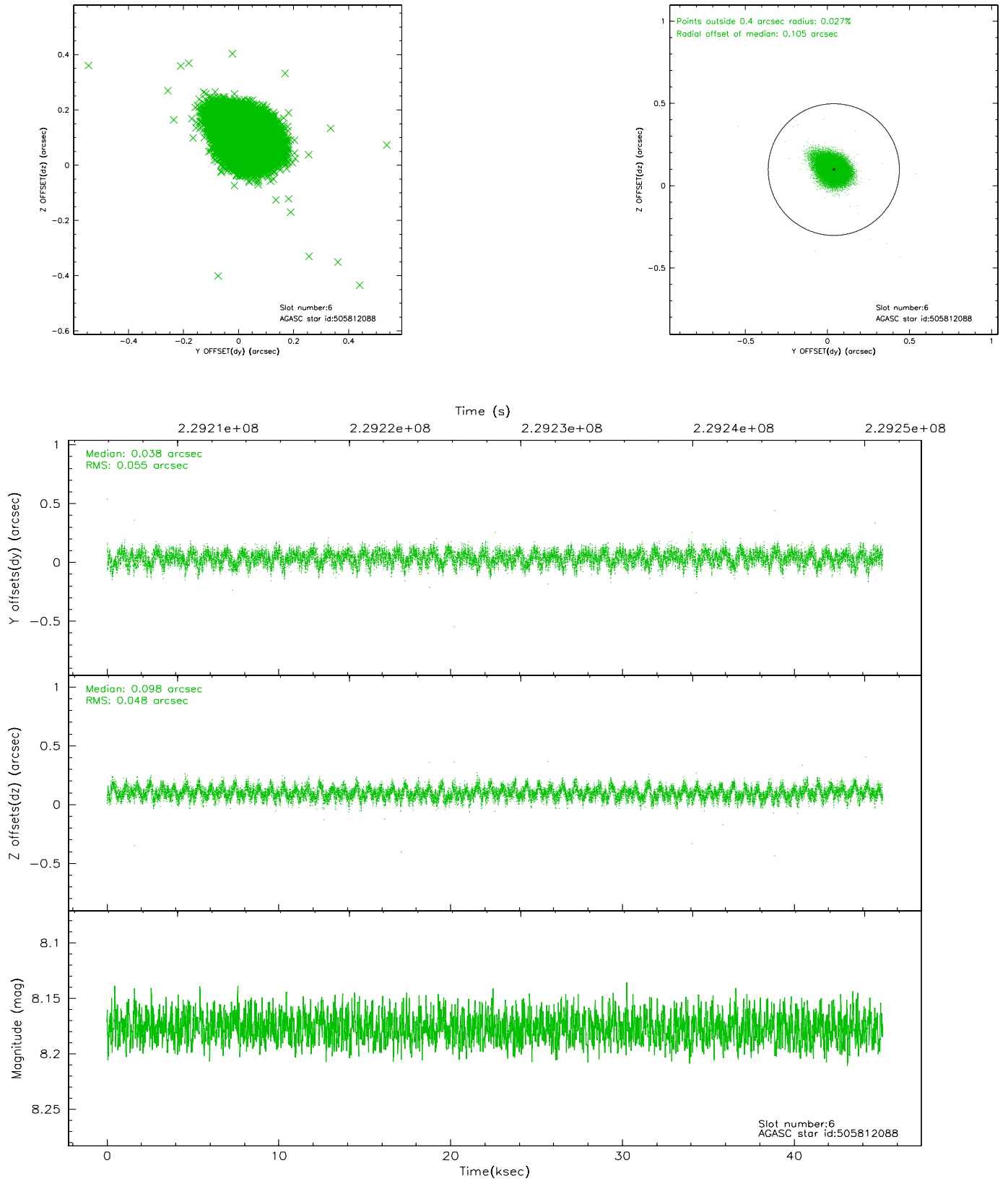
2.4.2 Slot 4



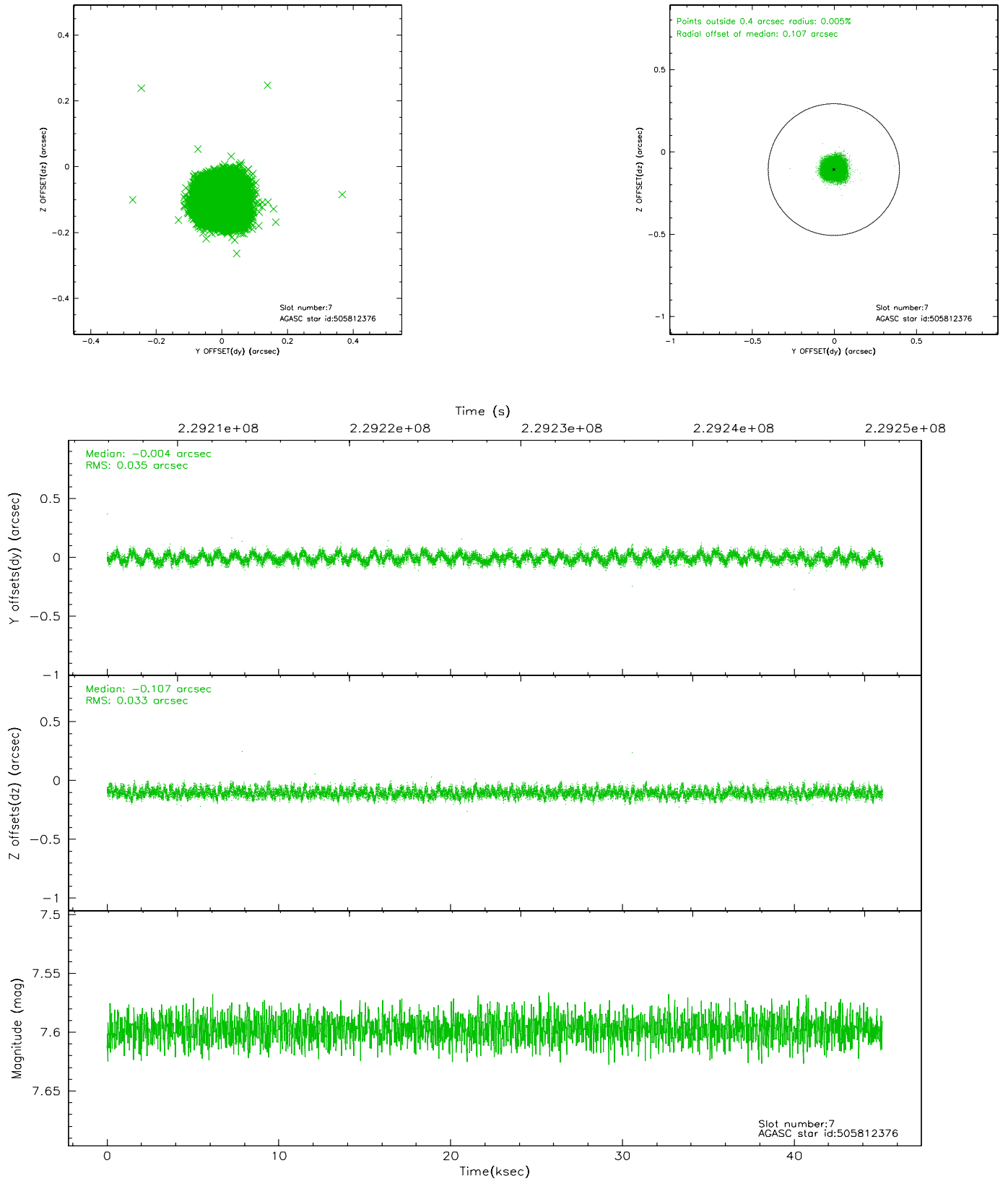
2.4.3 Slot 5



2.4.4 Slot 6

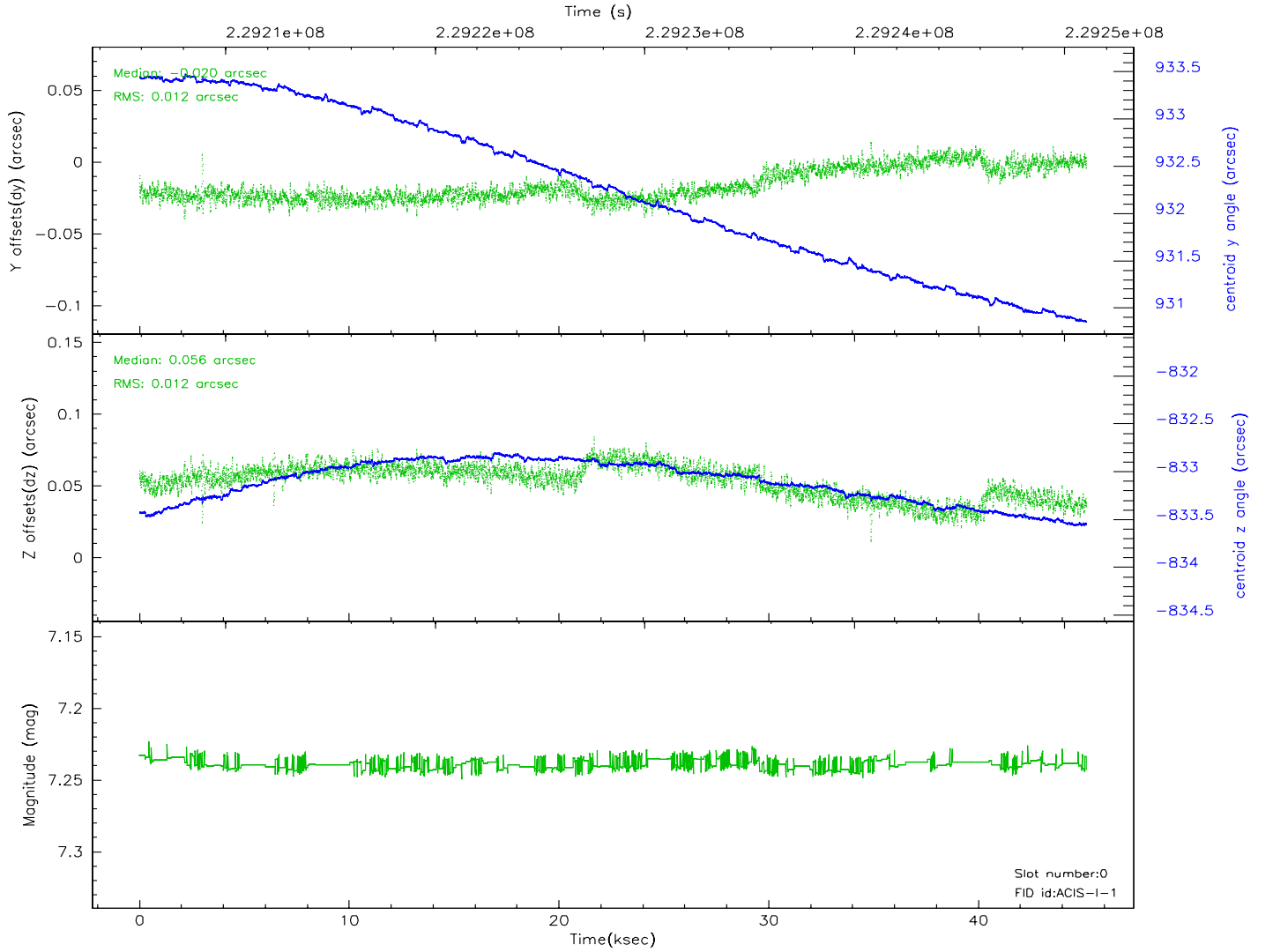
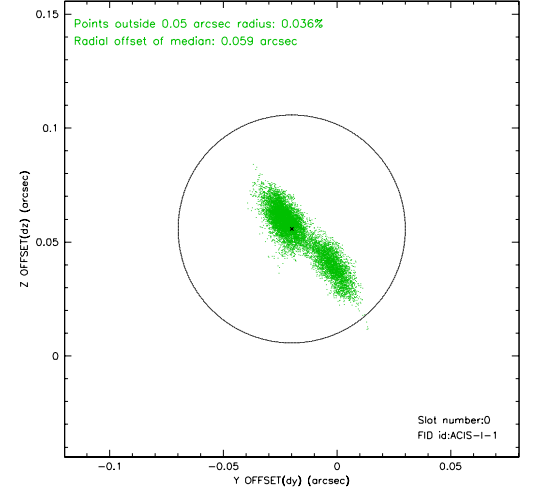
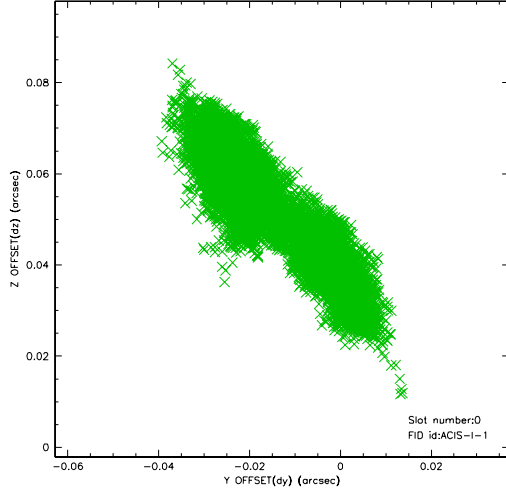


2.4.5 Slot 7

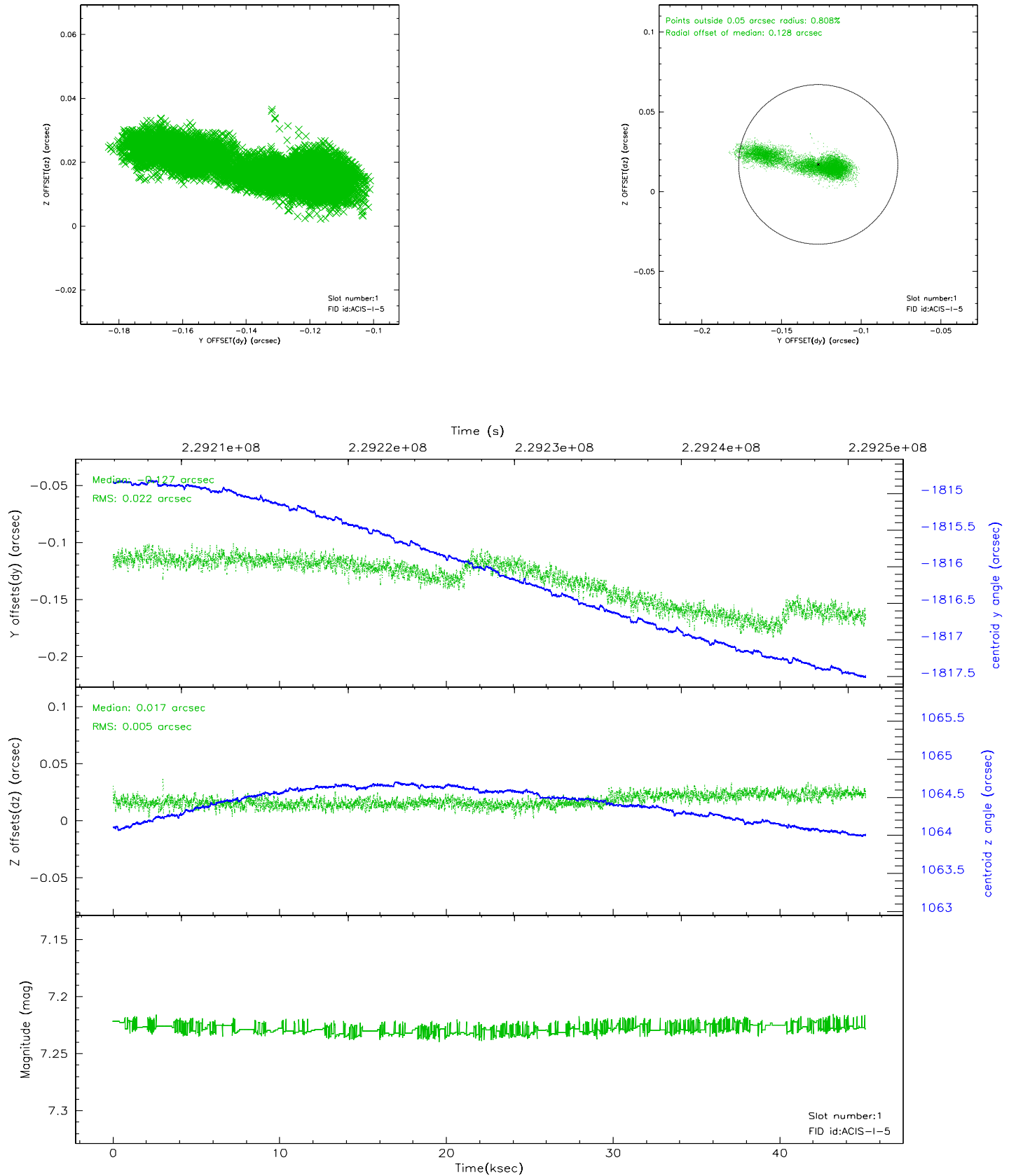


2.5 FID Slots

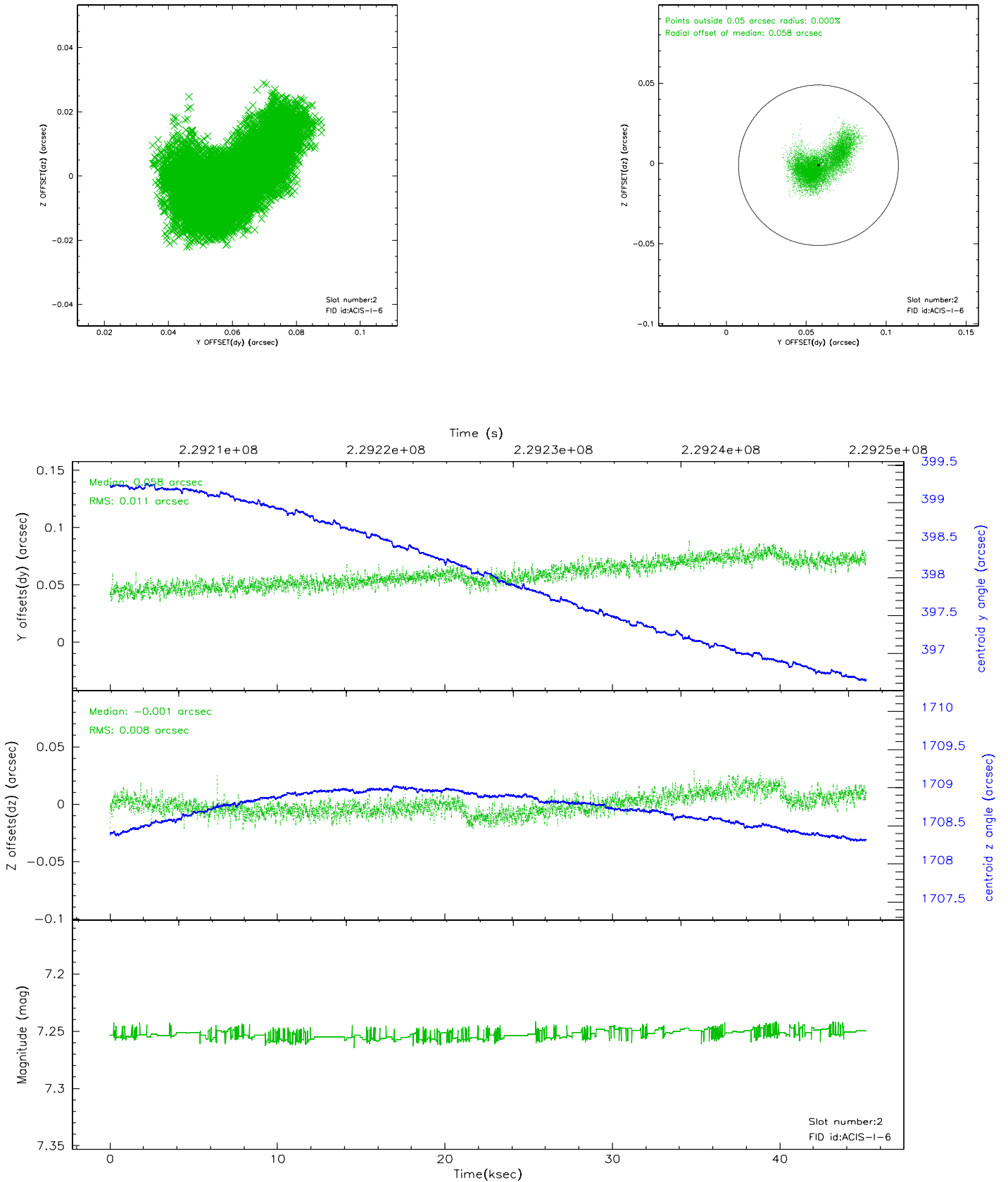
2.5.1 Slot 0



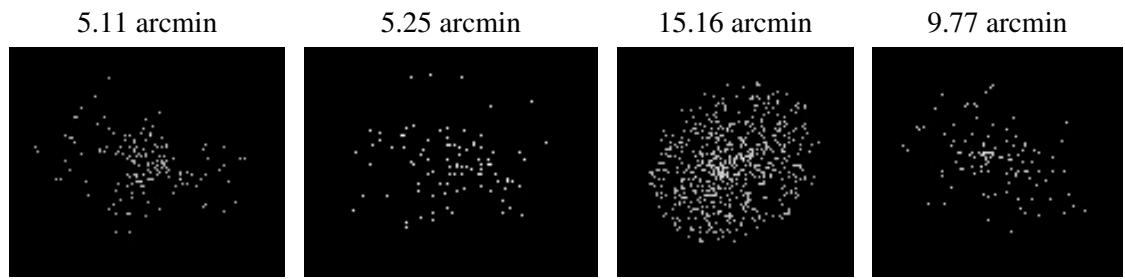
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.02.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	45.14215

A.2 Comments

Roll constraint satisfied.