

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 6223 - L2 Version 002
Chandra X-Ray Center

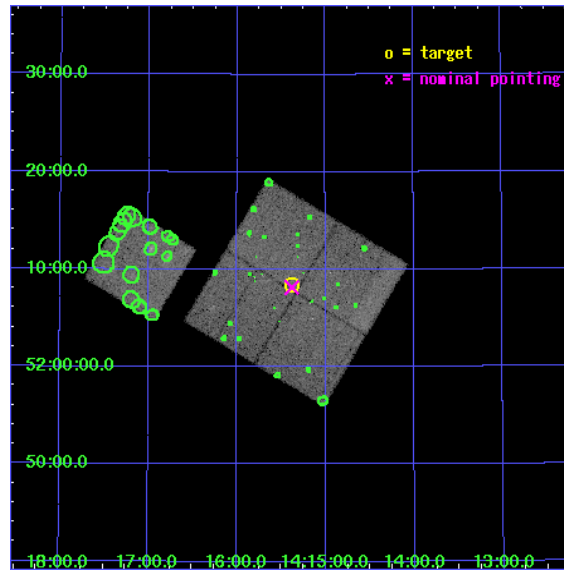
L2 Processing Date : Mar 23 2006

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1 Front

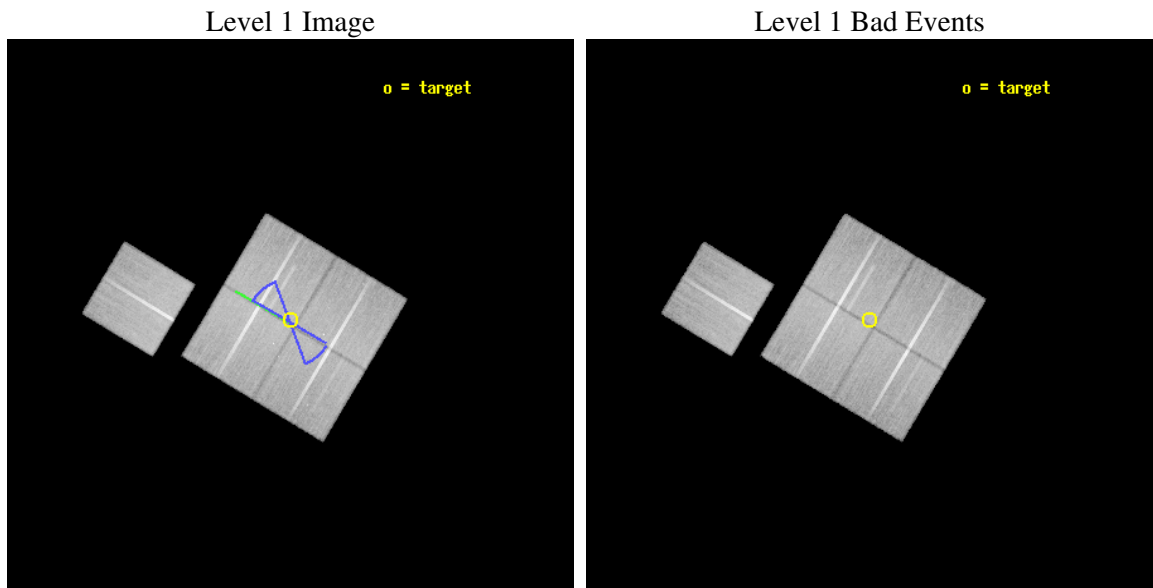
seq_num	900354
obs_id	6223
title	Deep Chandra Imaging of the Extended Groth Strip: The Co-evolution of Black Holes and Galaxies
observer	Professor Kirpal Nandra
object	EGS-7
dtcycle	0
cycle	P
ra_targ	213.843735
dec_targ	52.140667
ra_nom	213.84477479695
dec_nom	52.136082749791
roll_nom	300.96387208635
revision	2
ontime	50163.995072216
livetime	49508.565546401
ontime0	50179.699903518
ontime1	50173.417913169
ontime2	50160.854022145
ontime3	50163.995072216
ontime6	50173.41794306
l2events	134030



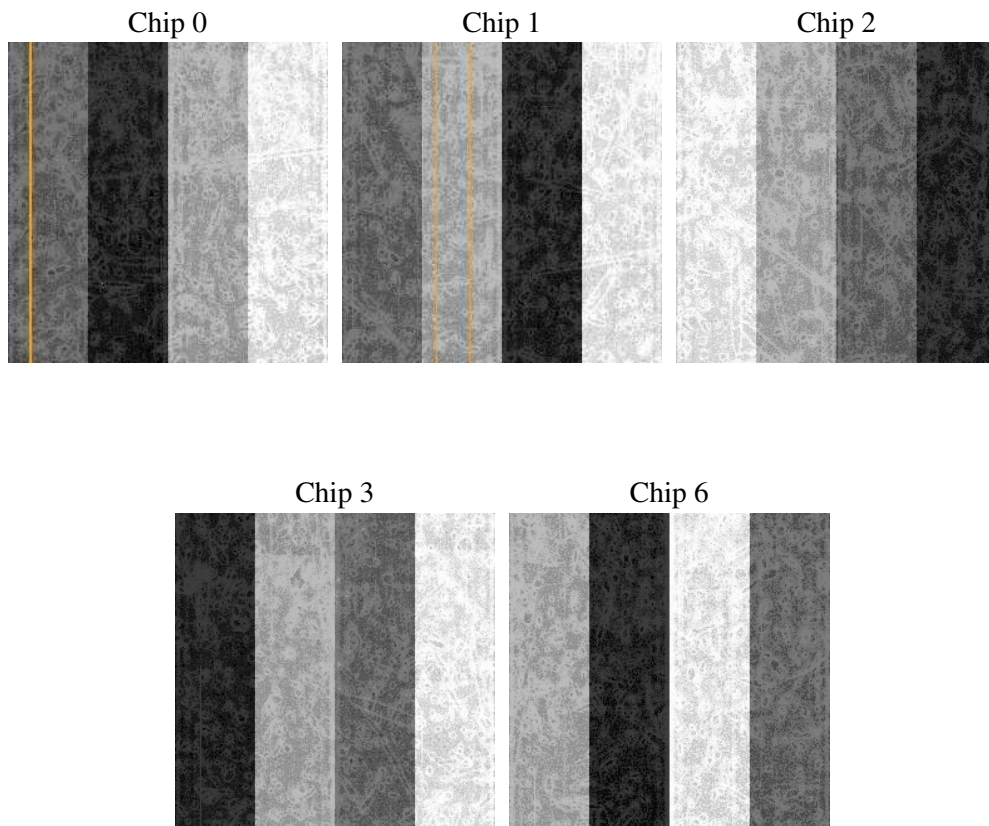
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.1
caldbver	3.2.1
date	2006-03-23T15:17:26
revision	2

sched_exp_time	50000.000000
ontime	51361.707767934
ontime0	51377.412599236
ontime1	51371.130608886
ontime2	51355.425717711
ontime3	51361.707767934
ontime6	51371.130638778
l1events	1574660

2.1.4 Events

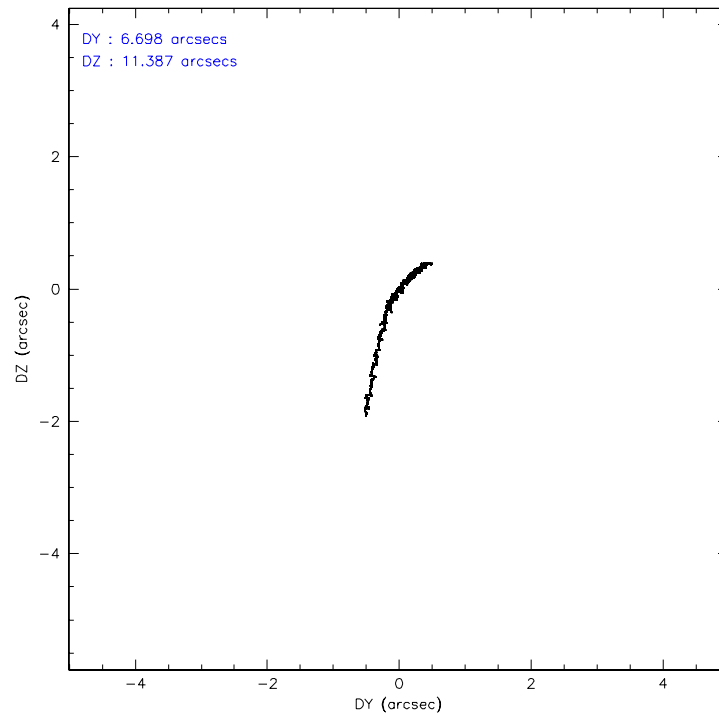
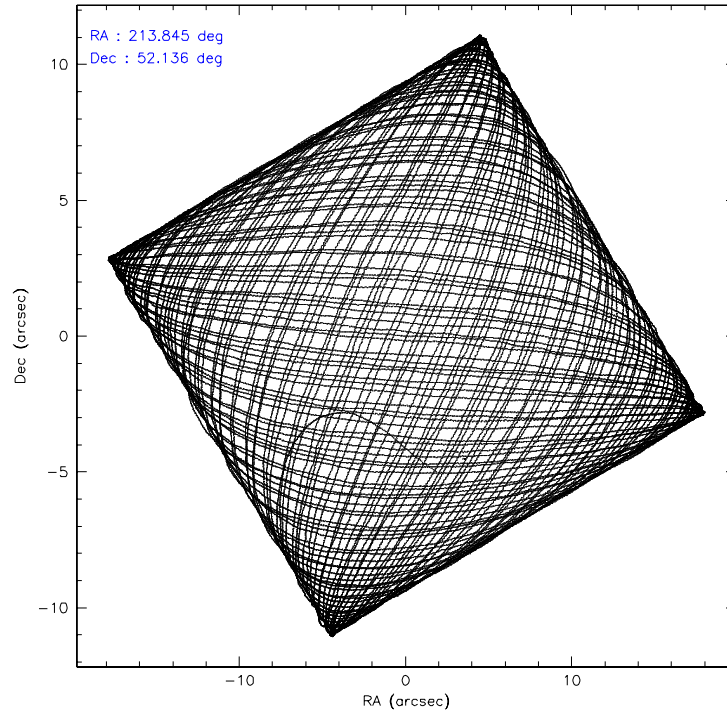
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	297378	301368	334857	318019	323038
rejected events	266126	265988	304024	288286	289389
rejected %	89%	88%	90%	90%	89%

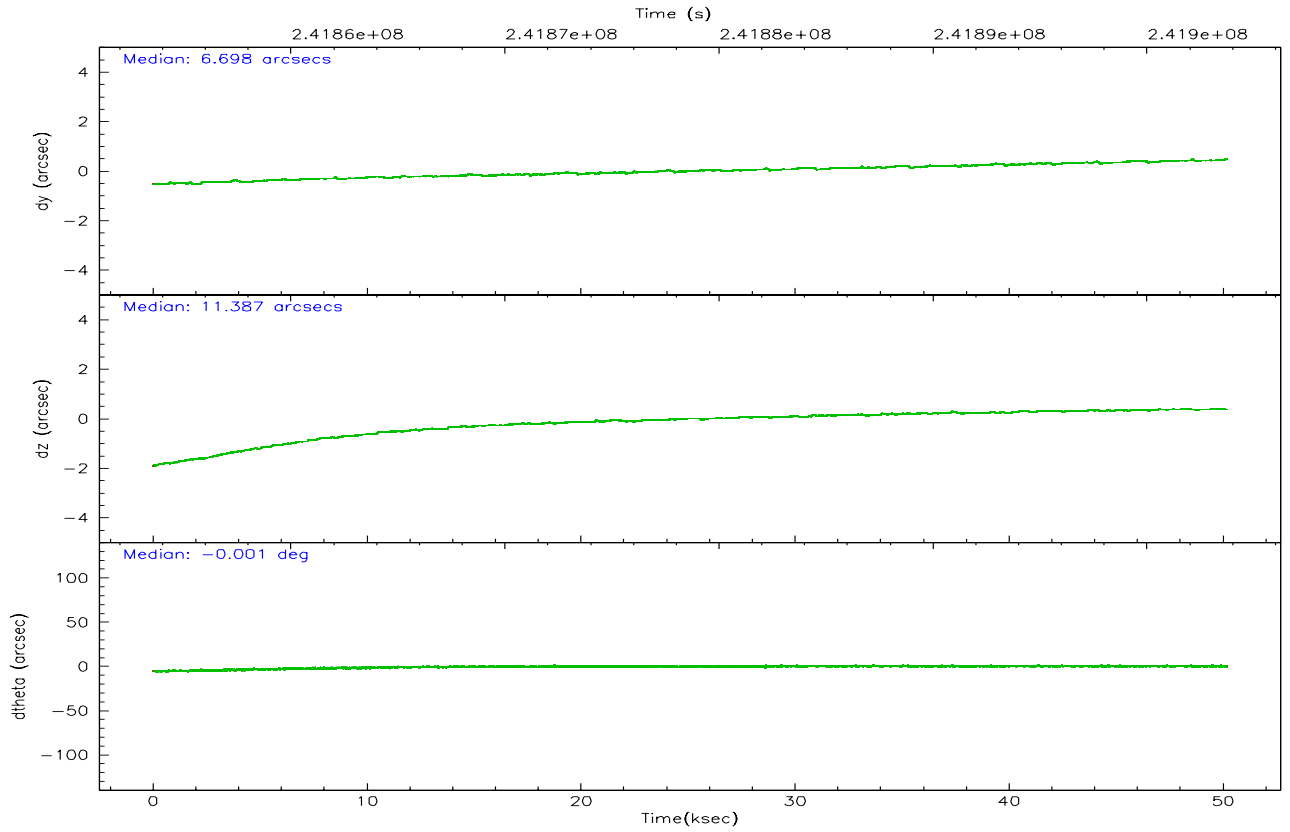
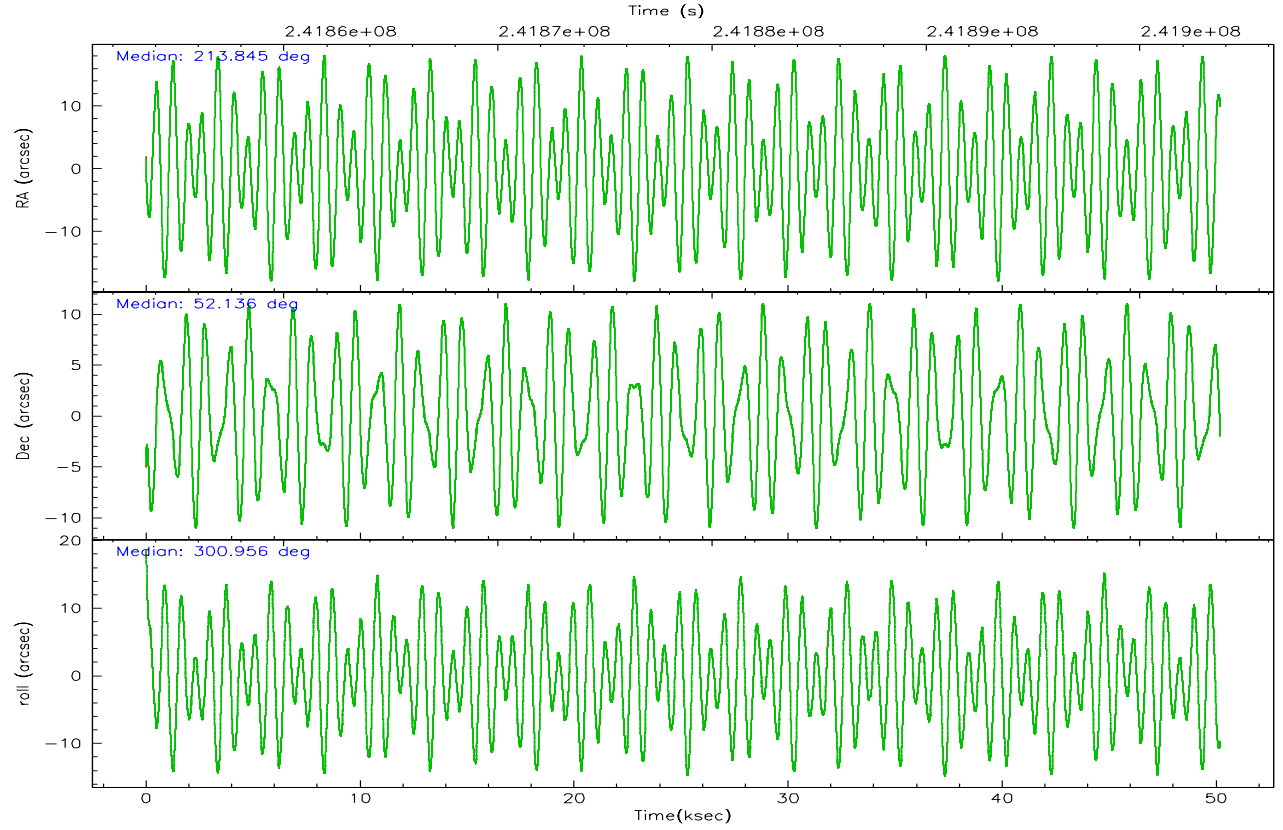
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	11088	13234	11572	10829	12592
	3%	4%	3%	3%	3%
grade 1 events	136	160	177	175	150
	0%	0%	0%	0%	0%
grade 2 events	7641	7922	7475	6556	7306
	2%	2%	2%	2%	2%
grade 3 events	3764	3951	3403	3507	3827
	1%	1%	1%	1%	1%
grade 4 events	3486	3967	3474	3529	3753
	1%	1%	1%	1%	1%
grade 5 events	10981	12600	10413	12626	12771
	3%	4%	3%	3%	3%
grade 6 events	6033	7158	5651	6062	7022
	2%	2%	1%	1%	2%
grade 7 events	254249	252376	292692	274735	275617
	85%	83%	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	213.805675	213.8447747969498	Alternating exposures requested	N	N
Pointing Dec	52.149270	52.1360827497907	Primary exposure time	0.000000	3.1
Pointing Roll	300.786054	300.963872086353			
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	241853742.184000	241852007.72674			
Observation start date	2005-08-31T05:34:38	2005-08-31T05:06:47			
Observation end time	241903742.184000	241904706.05416			
Observation end date	2005-08-31T19:27:58	2005-08-31T19:45:06			
Read mode	TIMED	TIMED			

2.3 Aspect



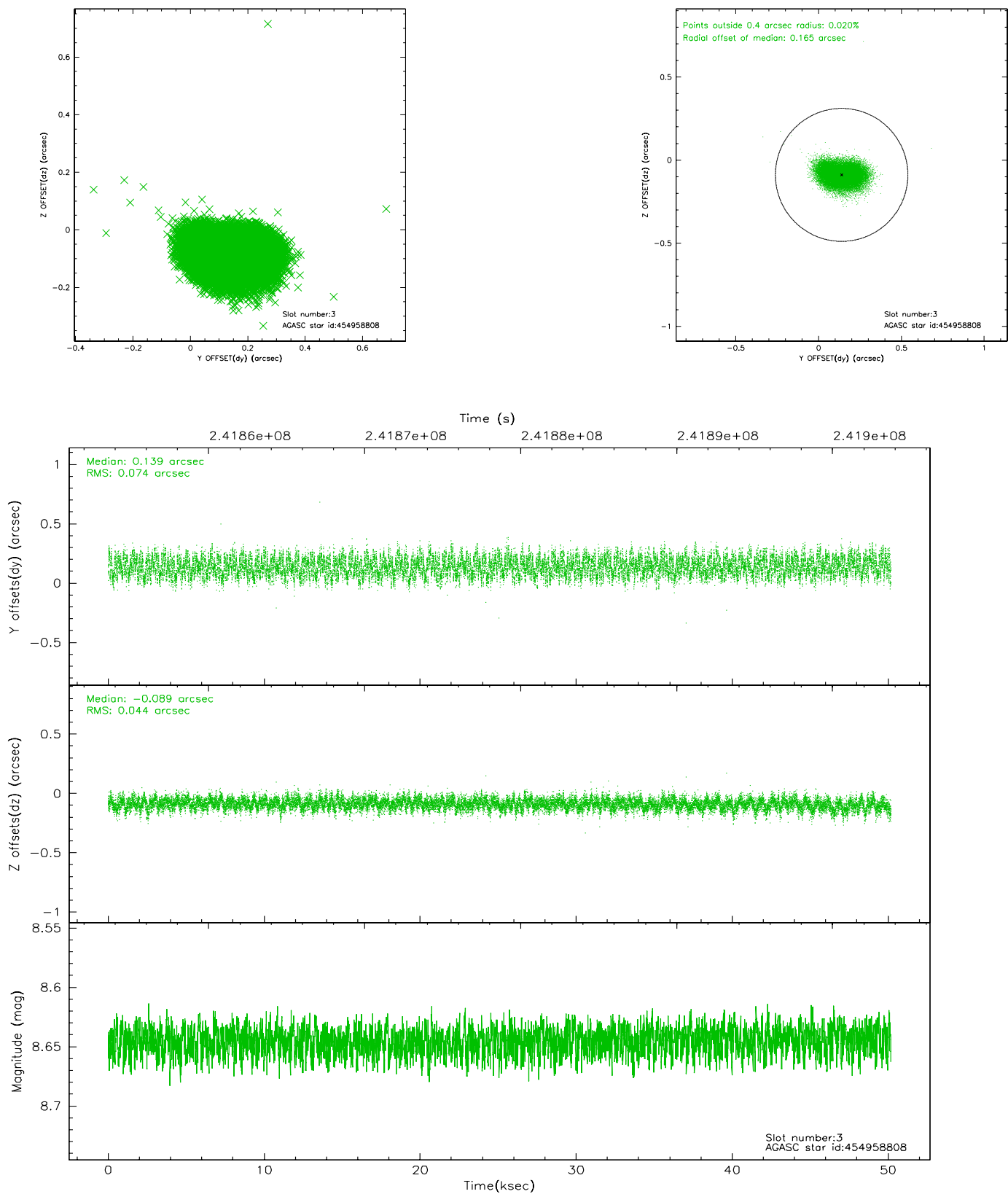


Slot Statistics

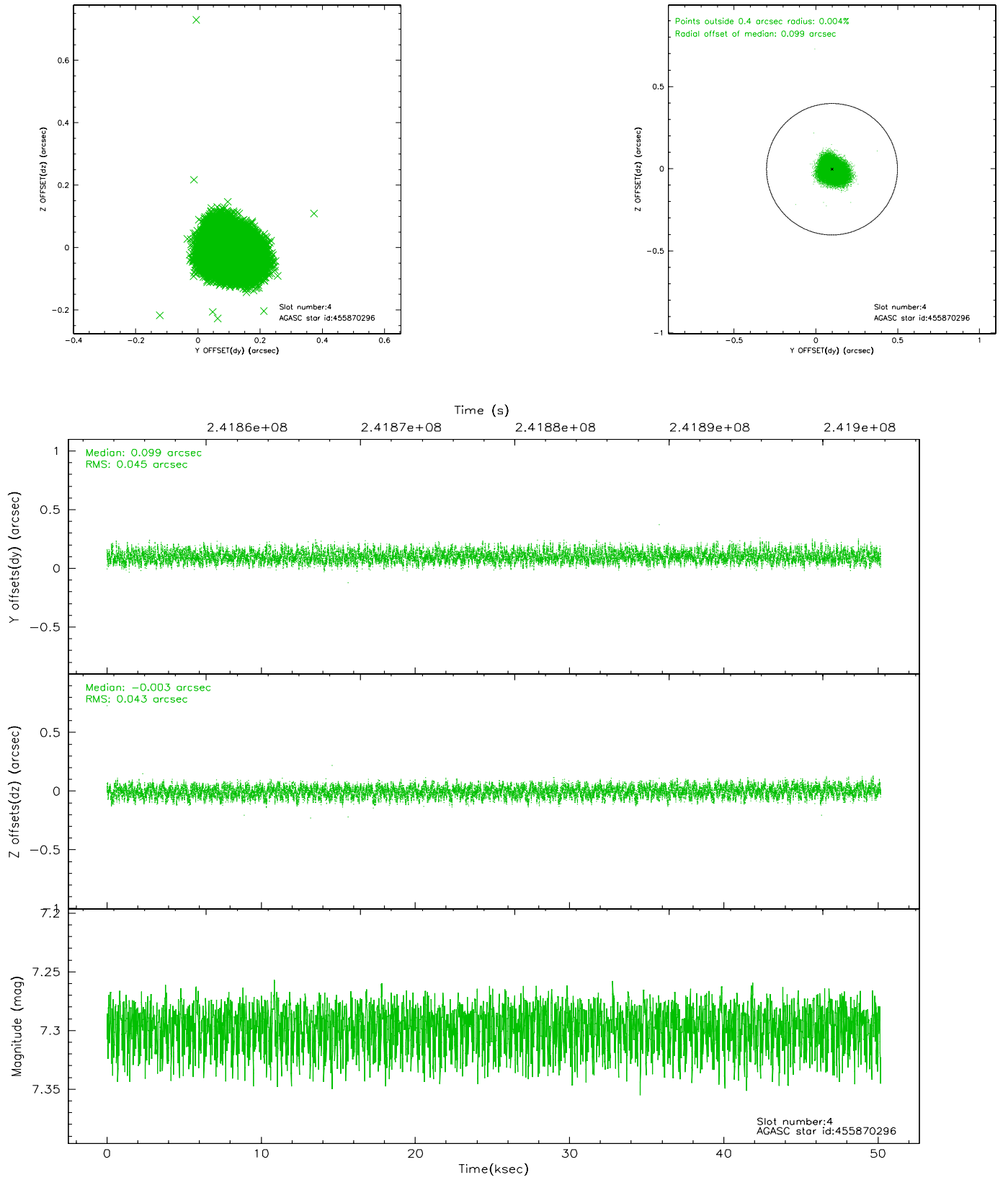
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	12242	0.021	0.004	0.010	0.052	0.000000	0.000000	932.99	-834.70
1	FID	ACIS-I-5	7.23	12241	-0.135	0.048	0.010	0.029	0.000000	0.000000	-1815.24	1062.88
2	FID	ACIS-I-6	7.25	12241	0.024	0.018	0.011	0.033	0.000000	0.000000	398.61	1707.30
3	GUIDE	454958808	8.65	24468	0.139	-0.089	0.092	0.147	213.416486	51.296487	2187.66	-2322.38
4	GUIDE	455870296	7.30	24481	0.099	-0.003	0.067	0.103	214.629779	52.033323	1283.99	1359.98
5	GUIDE	505806936	7.01	24482	-0.080	-0.006	0.055	0.111	213.820815	52.535927	-1178.86	741.10
6	GUIDE	505812376	7.55	24481	-0.099	-0.084	0.044	0.072	214.039537	52.937930	-2180.45	1889.49
7	GUIDE	454958240	9.05	24469	-0.069	0.177	0.111	0.174	212.550018	52.097330	-1280.92	-2468.62

2.4 Star Slots

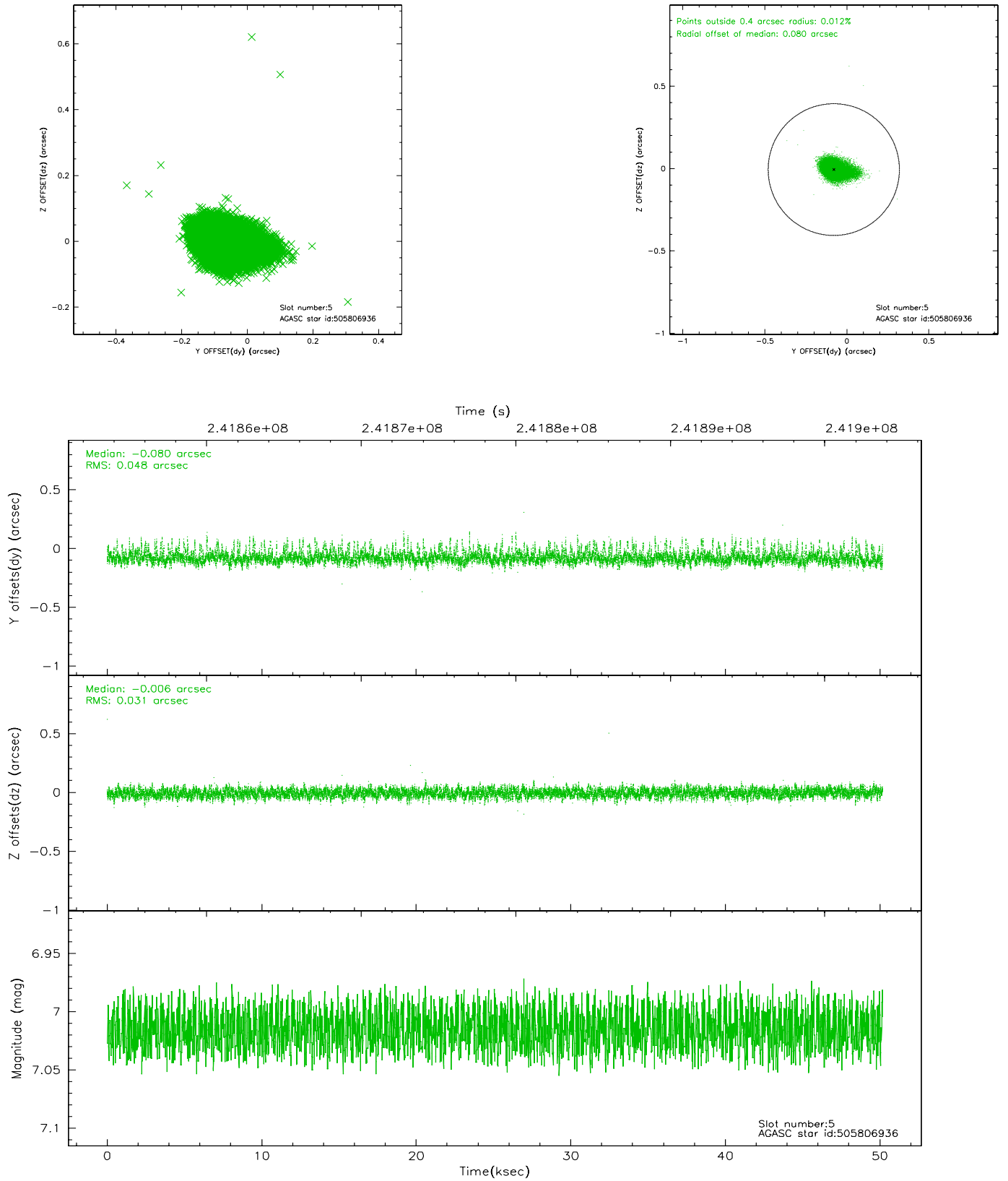
2.4.1 Slot 3



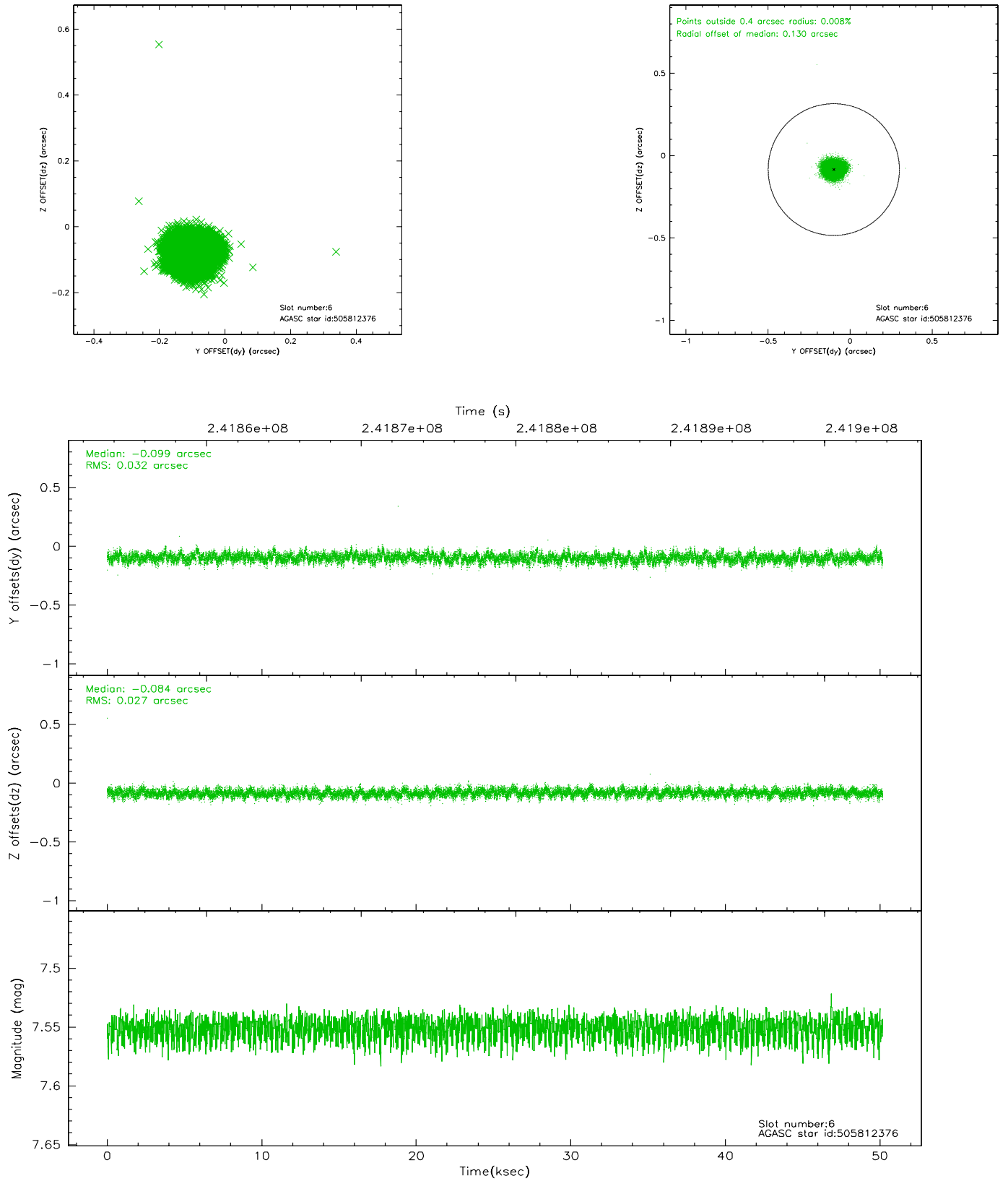
2.4.2 Slot 4



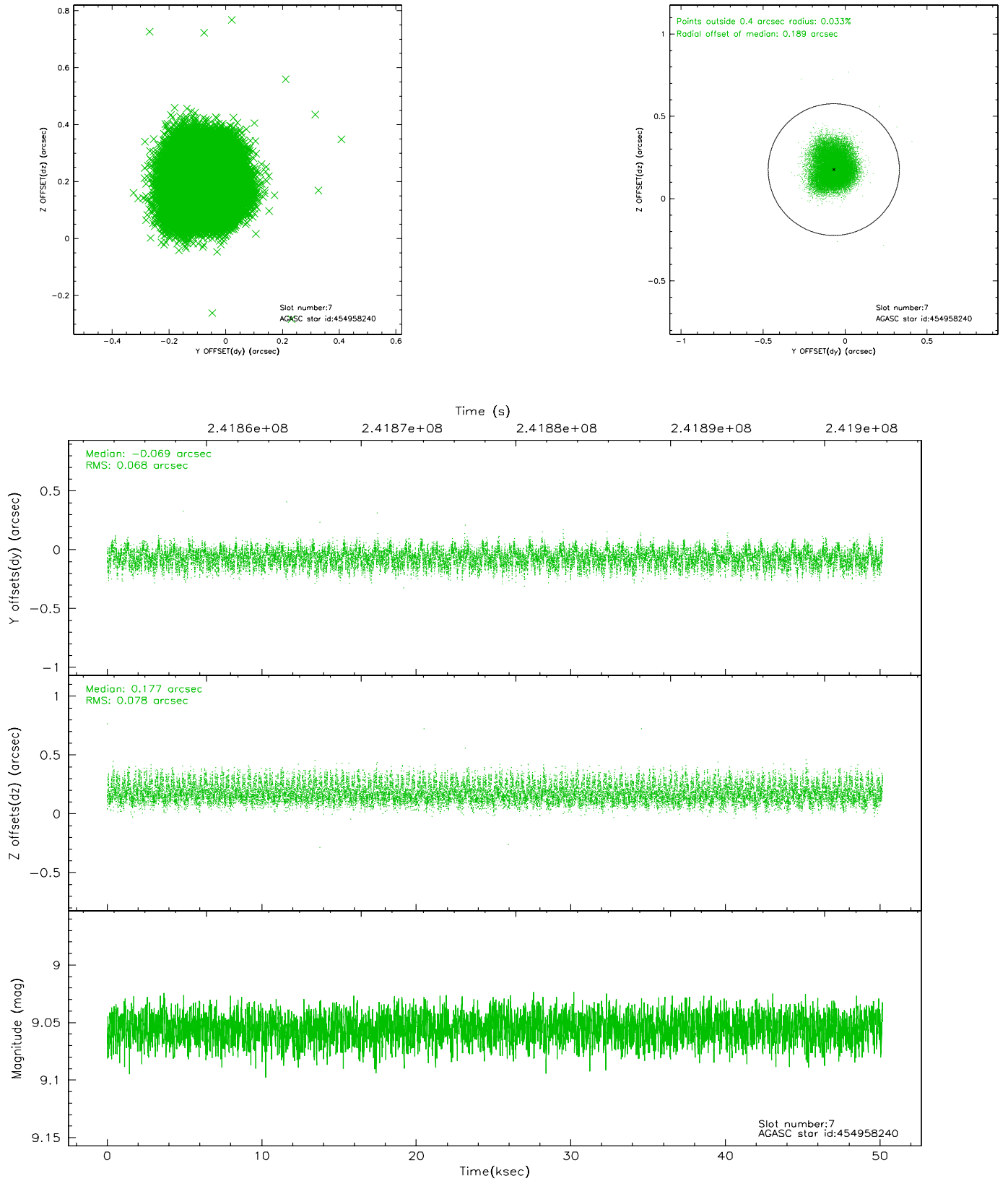
2.4.3 Slot 5



2.4.4 Slot 6

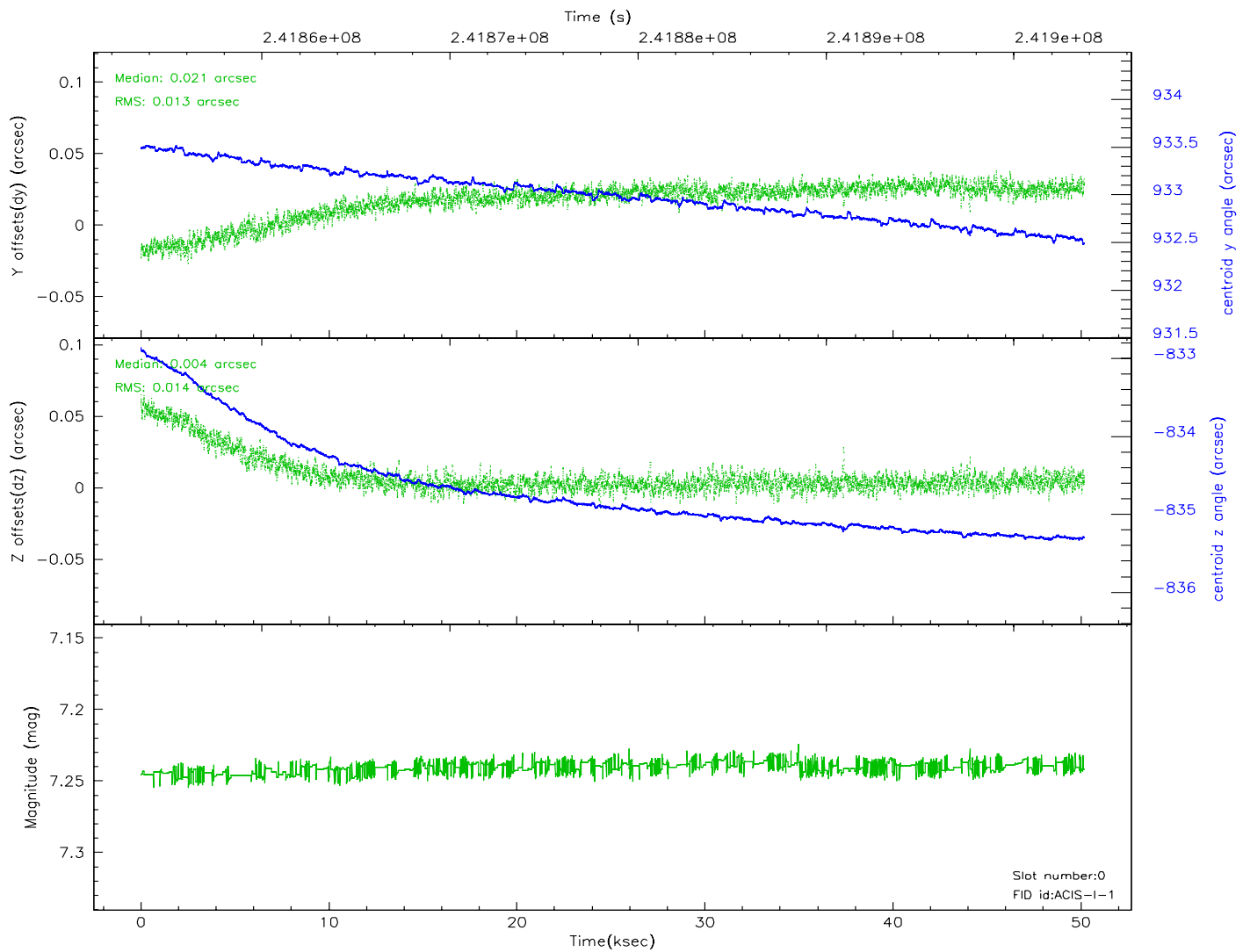
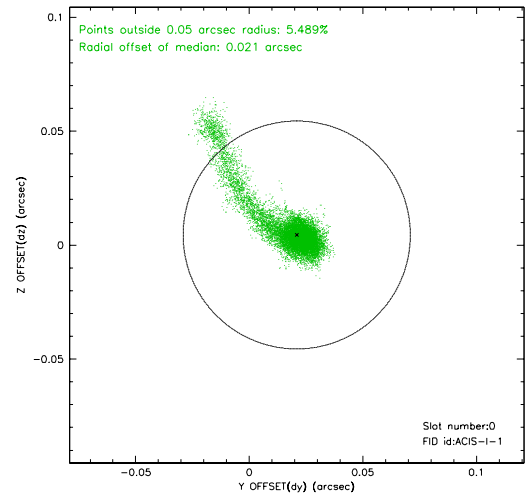
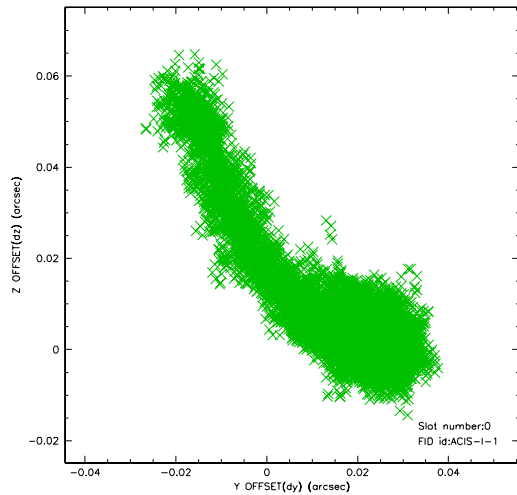


2.4.5 Slot 7

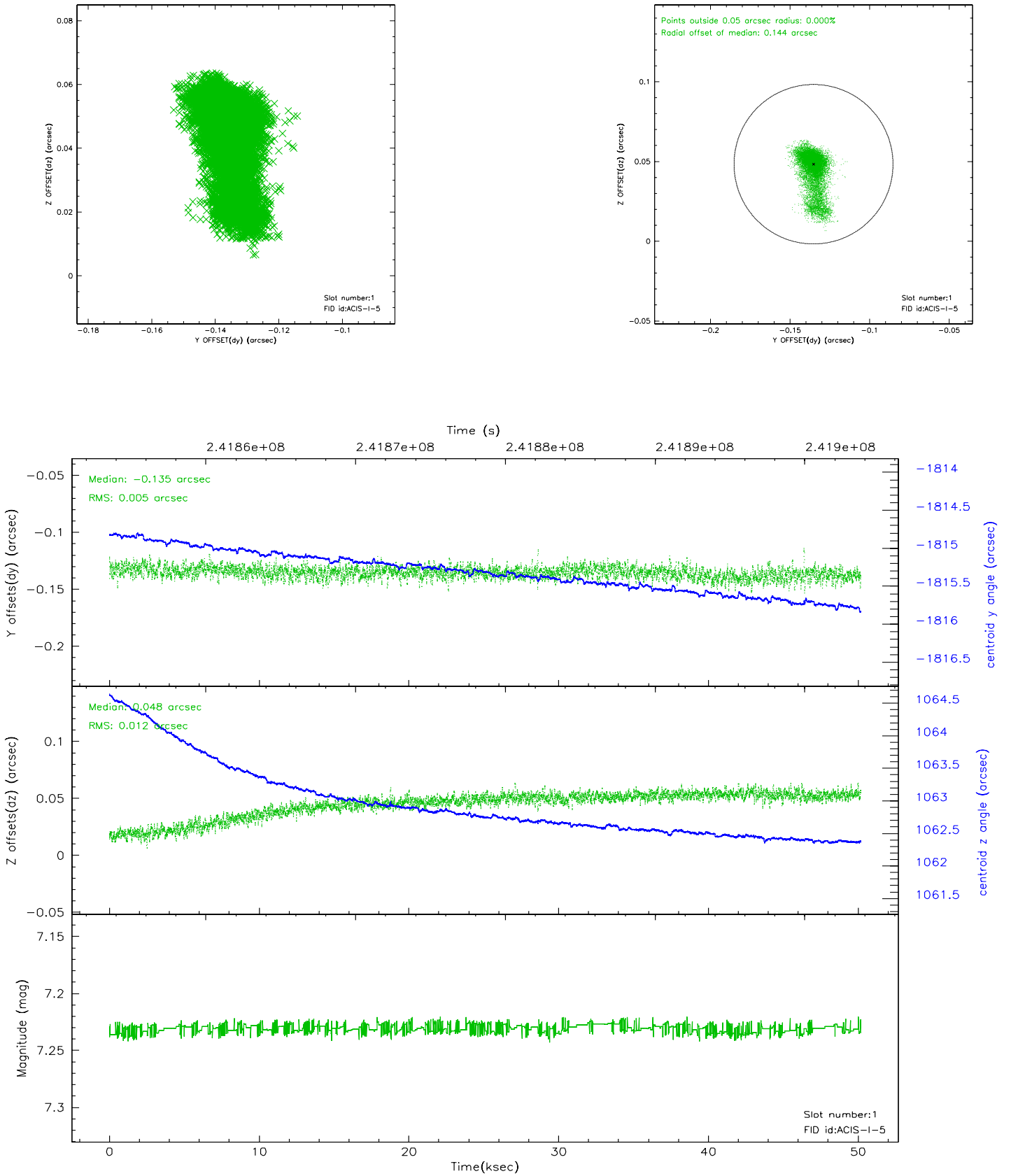


2.5 FID Slots

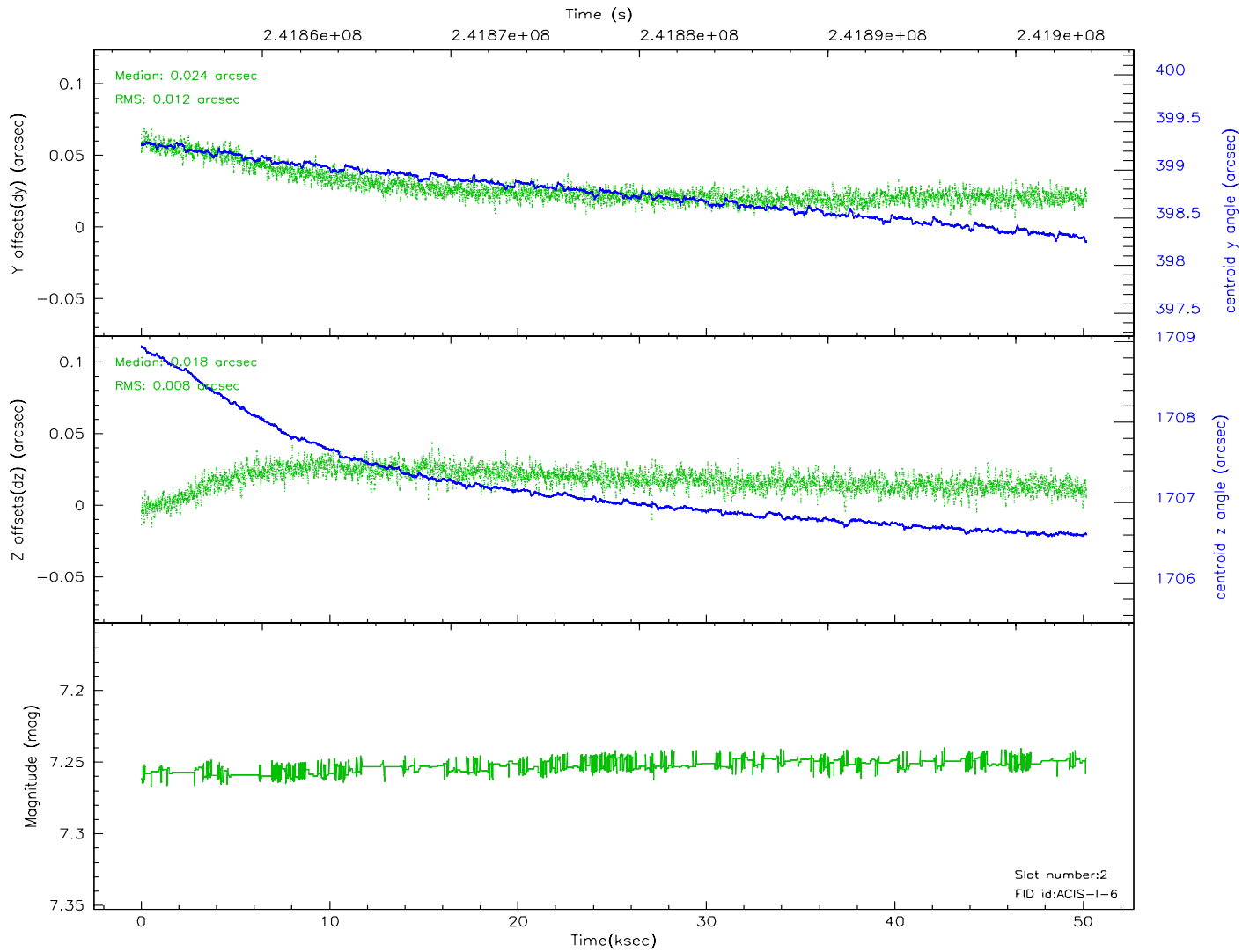
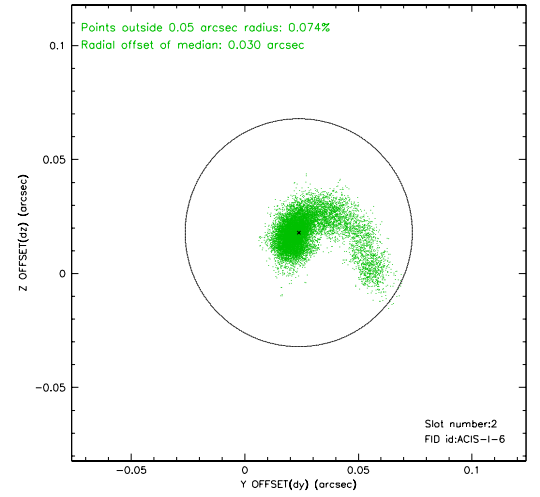
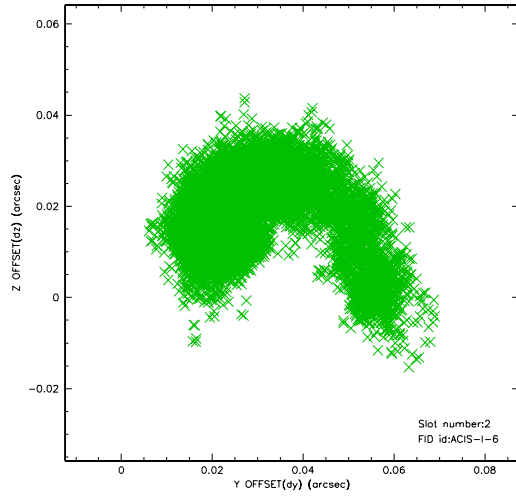
2.5.1 Slot 0



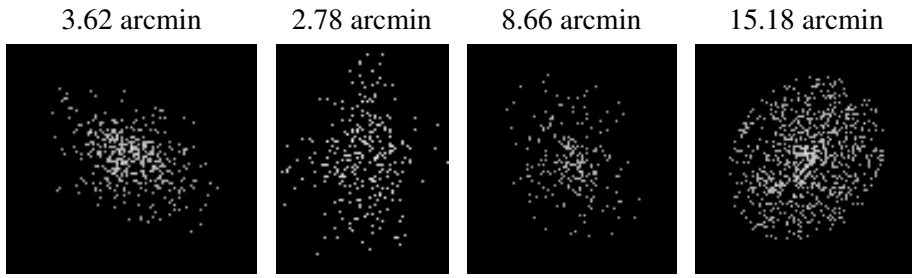
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.03.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	50.16399

A.2 Comments

Roll constraint met.