

V&V Reference Report

L2 ASCDS Version : 7.6.7.2

Observation 5009 - L2 Version 001
Chandra X-Ray Center

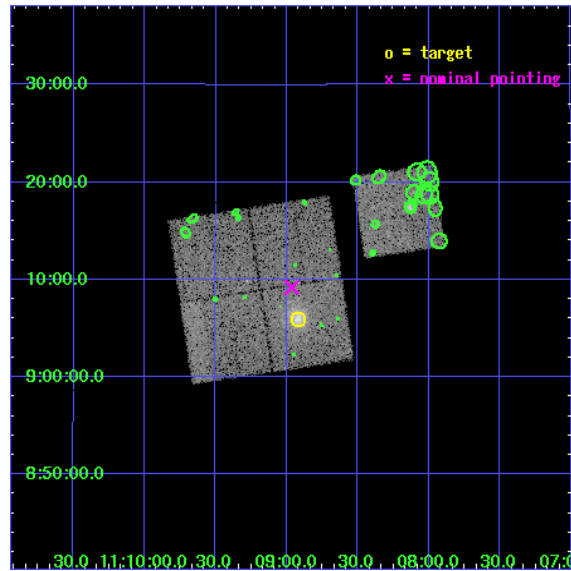
L2 Processing Date : Jun 2 2006

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1 Front

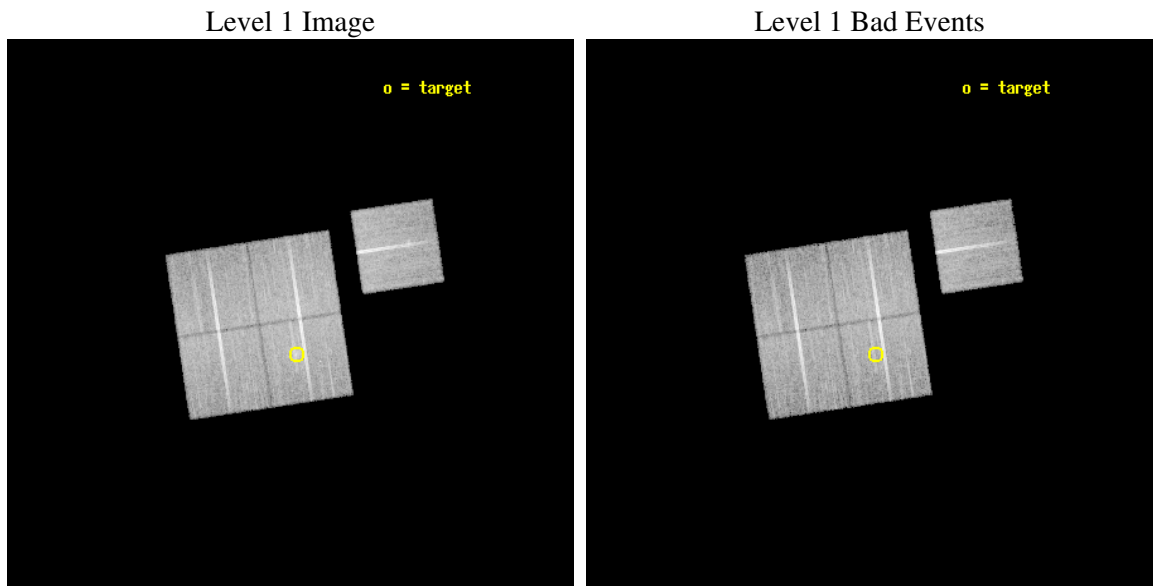
seq_num	800452
obs_id	5009
title	Cluster studies: Determination of H0/q0
observer	DR. LEON VANSPEYBROECK
object	MACS1108.8+0906
dtcycle	0
cycle	P
ra_targ	167.230833
dec_targ	9.1
ra_nom	167.24101748094
dec_nom	9.1533699085374
roll_nom	81.427128986595
revision	2
ontime	24790.658972085
livetime	24466.750761997
ontime0	24787.517991871
ontime1	24790.658972114
ontime2	24787.518001884
ontime3	24790.658972085
ontime6	24787.518011749
l2events	63630



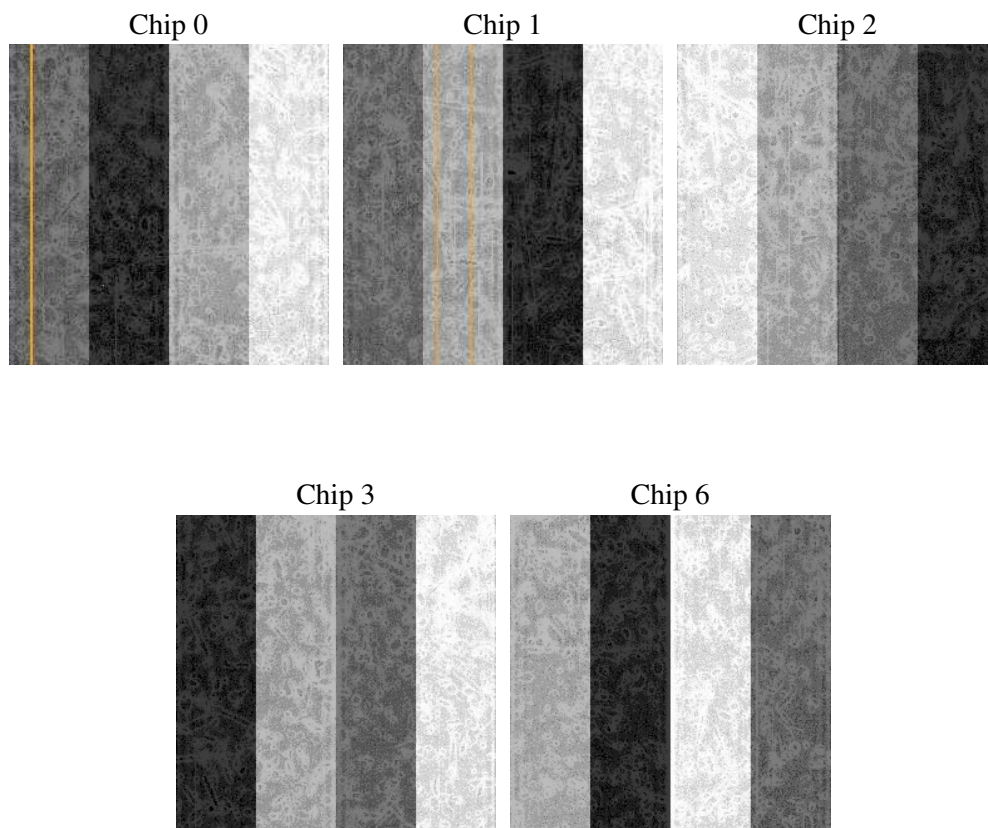
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1
ascdsver	7.6.7.2
caldbver	3.2.2
date	2006-06-02T17:05:15
revision	2

sched_exp_time	24617.860000
ontime	25442.173443377
ontime0	25439.032463163
ontime1	25442.173433483
ontime2	25439.032473177
ontime3	25442.173443377
ontime6	25439.032483041
l1events	699501

2.1.4 Events

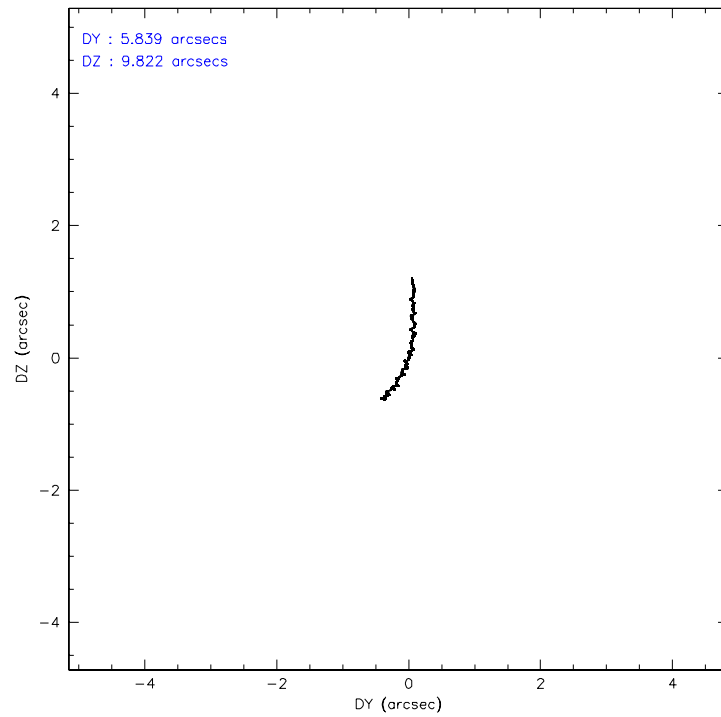
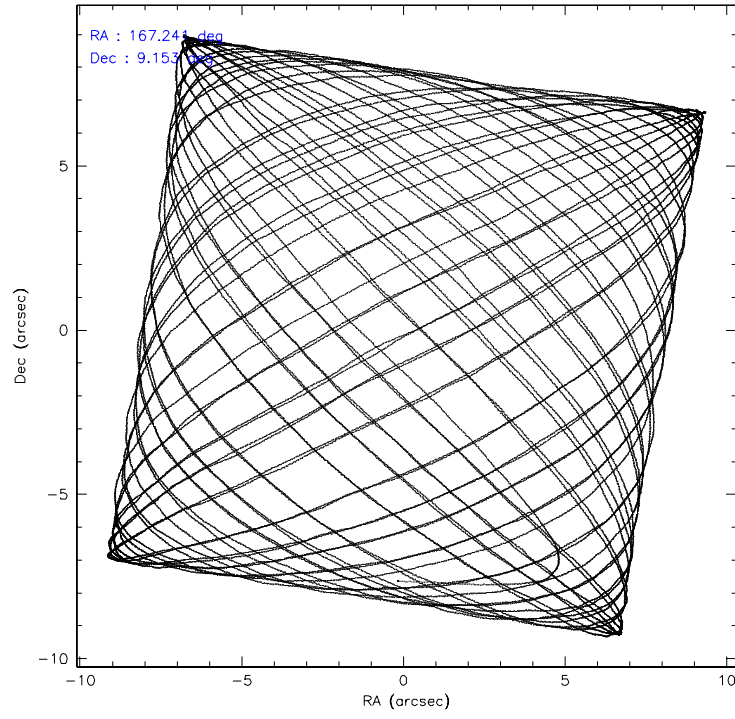
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	130224	133106	150966	145314	139891
rejected events	116369	117621	137186	127861	124896
rejected %	89%	88%	90%	87%	89%

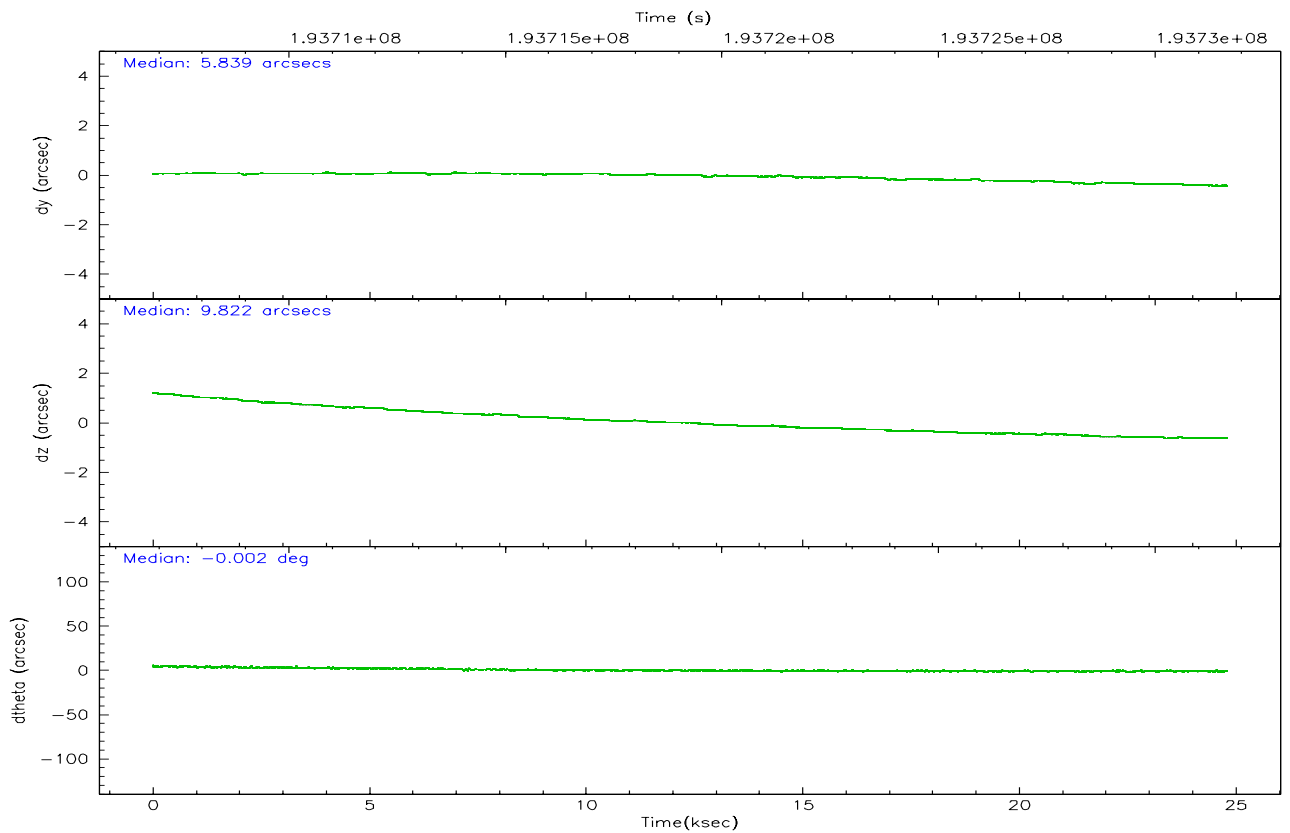
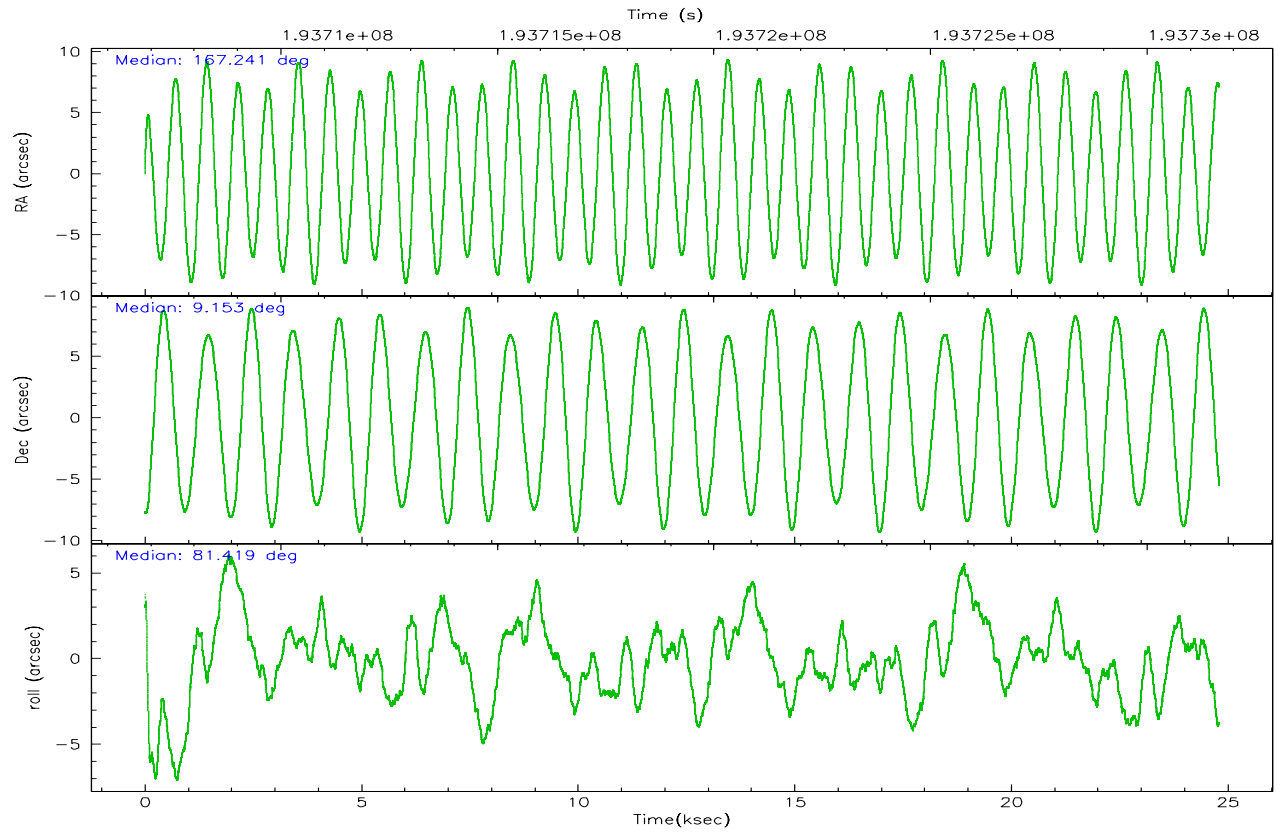
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	4994	5735	5218	8430	5845
	3%	4%	3%	5%	4%
grade 1 events	71	70	81	99	67
	0%	0%	0%	0%	0%
grade 2 events	3251	3316	3196	3243	3137
	2%	2%	2%	2%	2%
grade 3 events	1696	1769	1569	1730	1679
	1%	1%	1%	1%	1%
grade 4 events	1537	1759	1592	1669	1654
	1%	1%	1%	1%	1%
grade 5 events	5045	5308	4839	5638	5500
	3%	3%	3%	3%	3%
grade 6 events	2736	3266	2555	2781	3077
	2%	2%	1%	1%	2%
grade 7 events	110894	111883	131916	121724	118932
	85%	84%	87%	83%	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	167.251258	167.2410174809411	Alternating exposures requested	N	N
Pointing Dec	9.127913	9.153369908537403	Primary exposure time	0.000000	3.1
Pointing Roll	81.216808	81.42712898659478			
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	193707043.184000	193705728.62765			
Observation start date	2004-02-20T23:29:39	2004-02-20T23:08:48			
Observation end time	193731661.184000	193731975.80379			
Observation end date	2004-02-21T06:19:57	2004-02-21T06:26:15			
Read mode	TIMED	TIMED			

2.3 Aspect



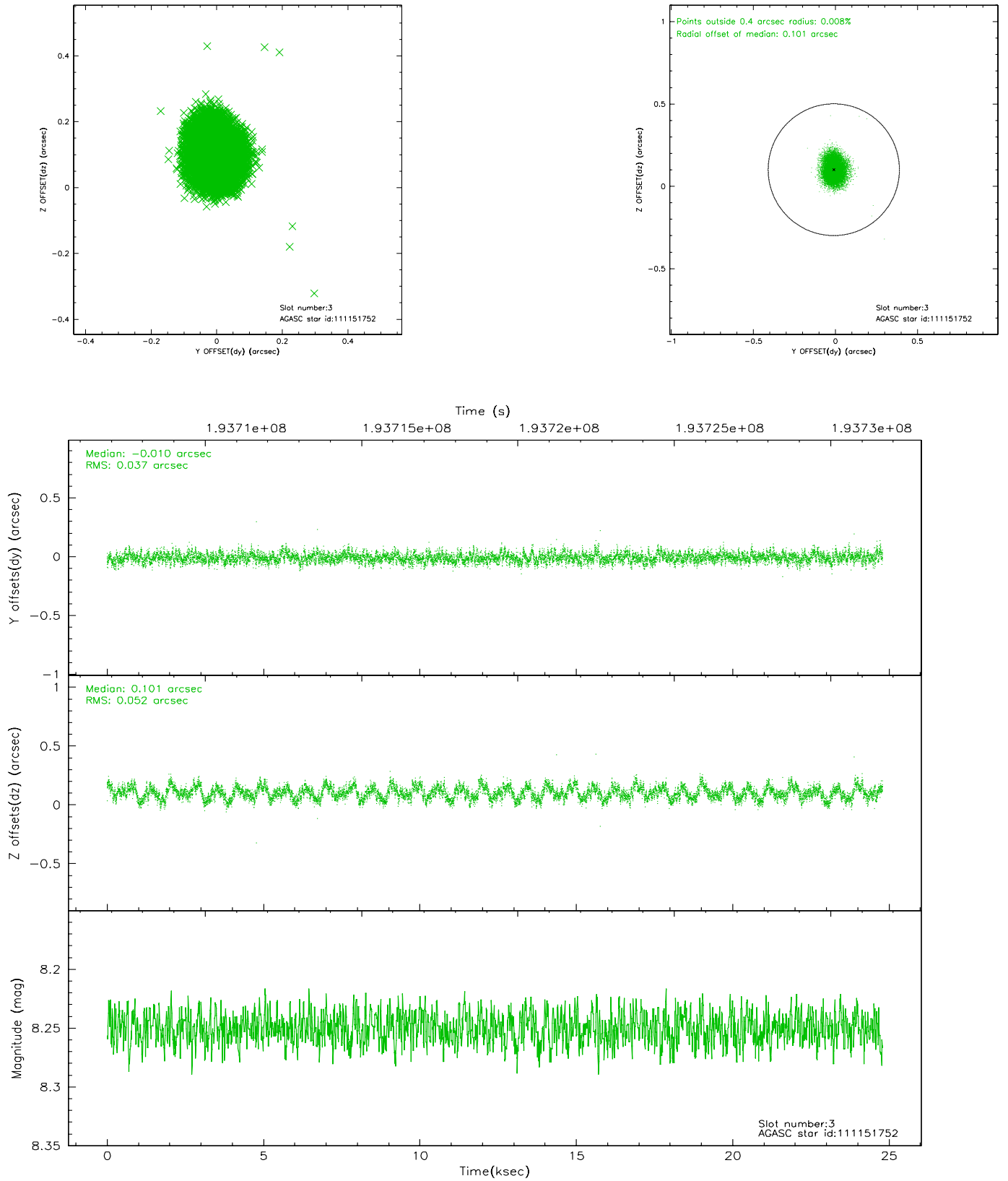


Slot Statistics

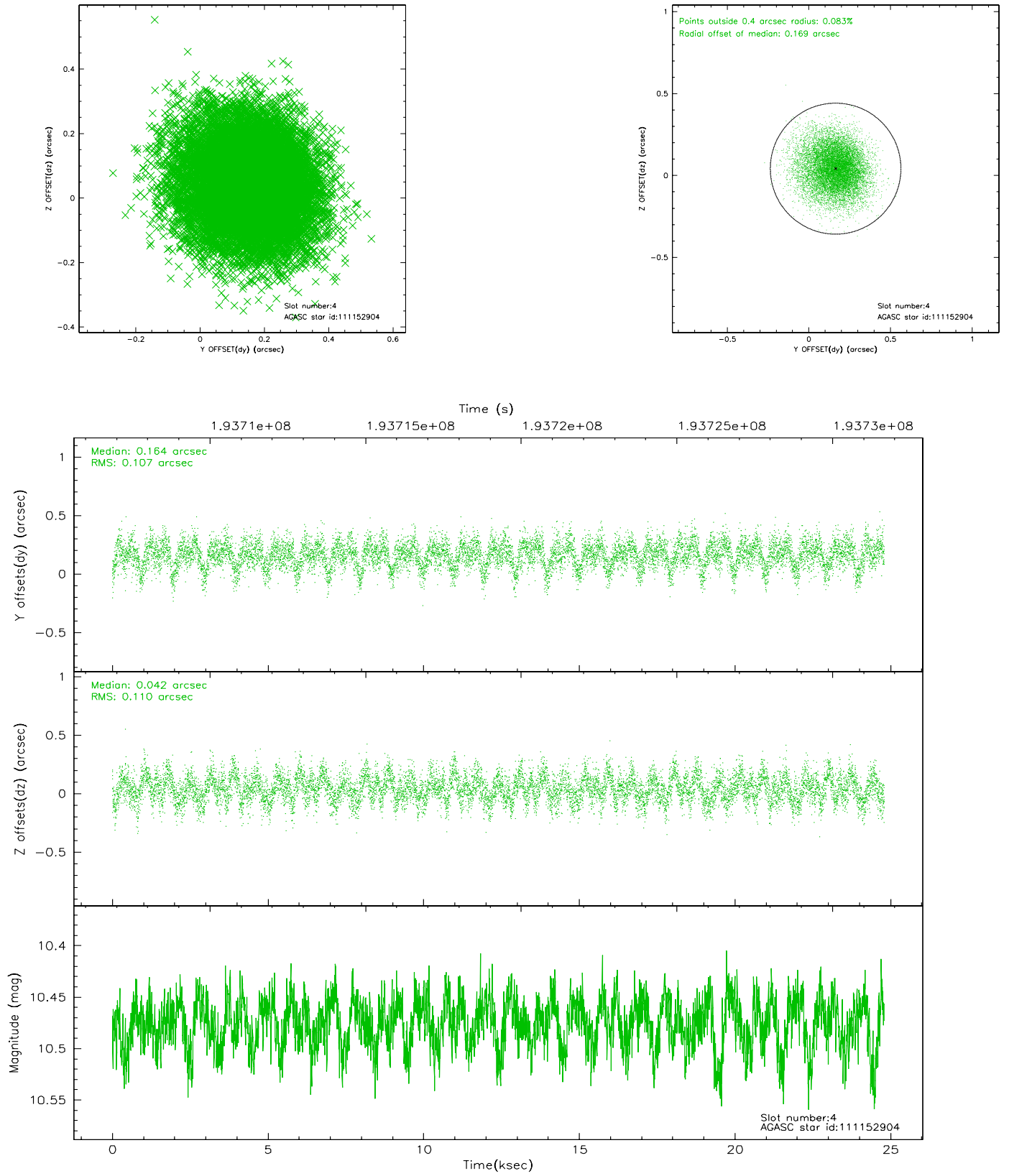
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	6049	0.073	-0.058	0.017	0.034	0.000000	0.000000	933.88	-992.50
1	FID	ACIS-I-5	7.22	6048	-0.212	0.071	0.012	0.029	0.000000	0.000000	-1814.45	905.04
2	FID	ACIS-I-6	7.25	6049	0.047	0.054	0.016	0.033	0.000000	0.000000	399.26	1549.66
3	GUIDE	111151752	8.25	12097	-0.010	0.101	0.069	0.107	167.025904	9.023657	-493.02	734.61
4	GUIDE	111152904	10.47	12033	0.164	0.042	0.164	0.265	167.041577	8.547579	-2178.37	418.52
5	GUIDE	111153480	8.97	12094	-0.116	0.025	0.083	0.136	166.768914	9.619364	1487.29	1963.30
6	GUIDE	111156792	9.83	12090	-0.127	-0.205	0.127	0.206	167.249601	9.695709	2019.28	318.21
7	GUIDE	111160288	9.66	12081	0.093	0.036	0.122	0.212	168.020770	9.652583	2287.38	-2409.75

2.4 Star Slots

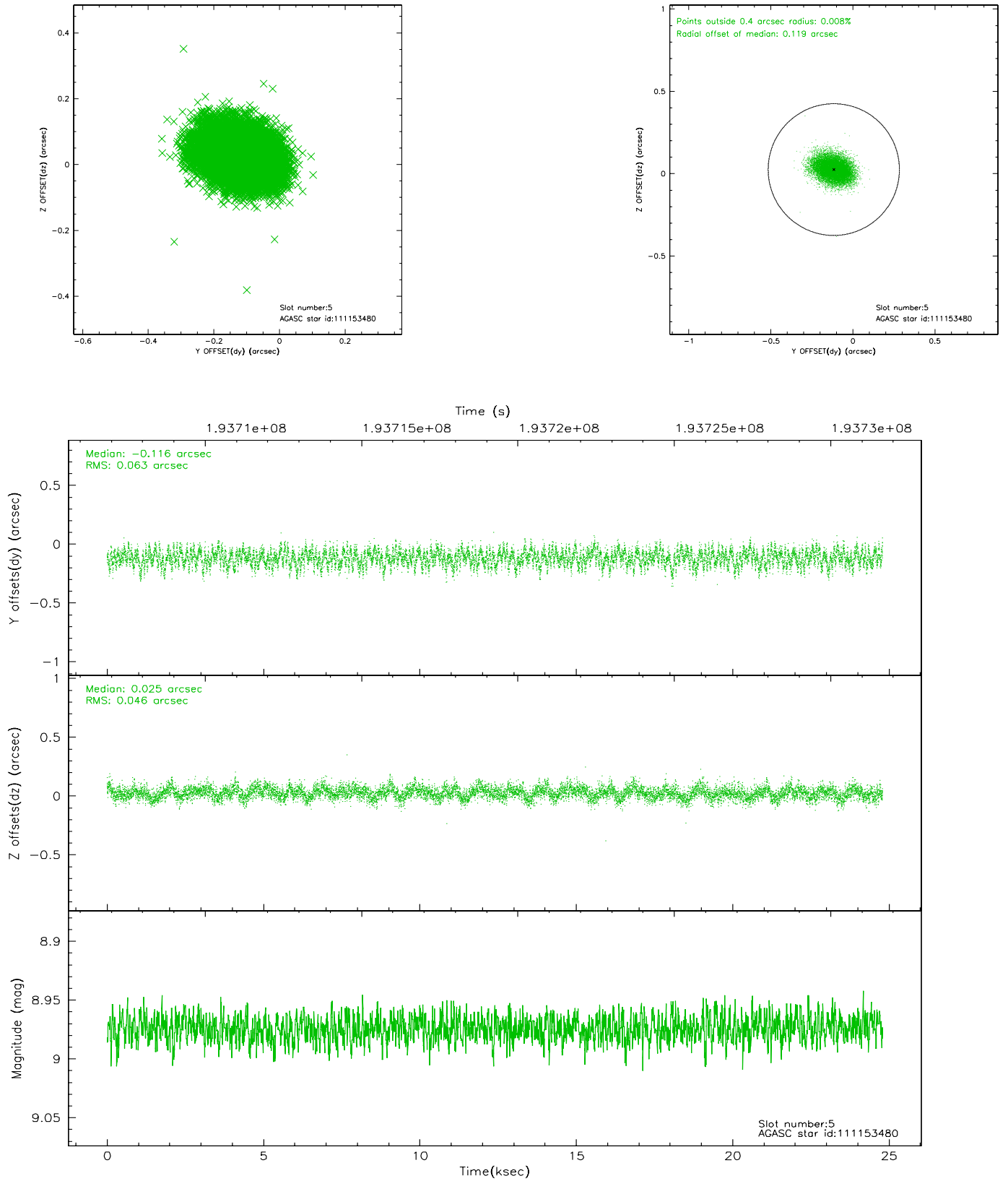
2.4.1 Slot 3



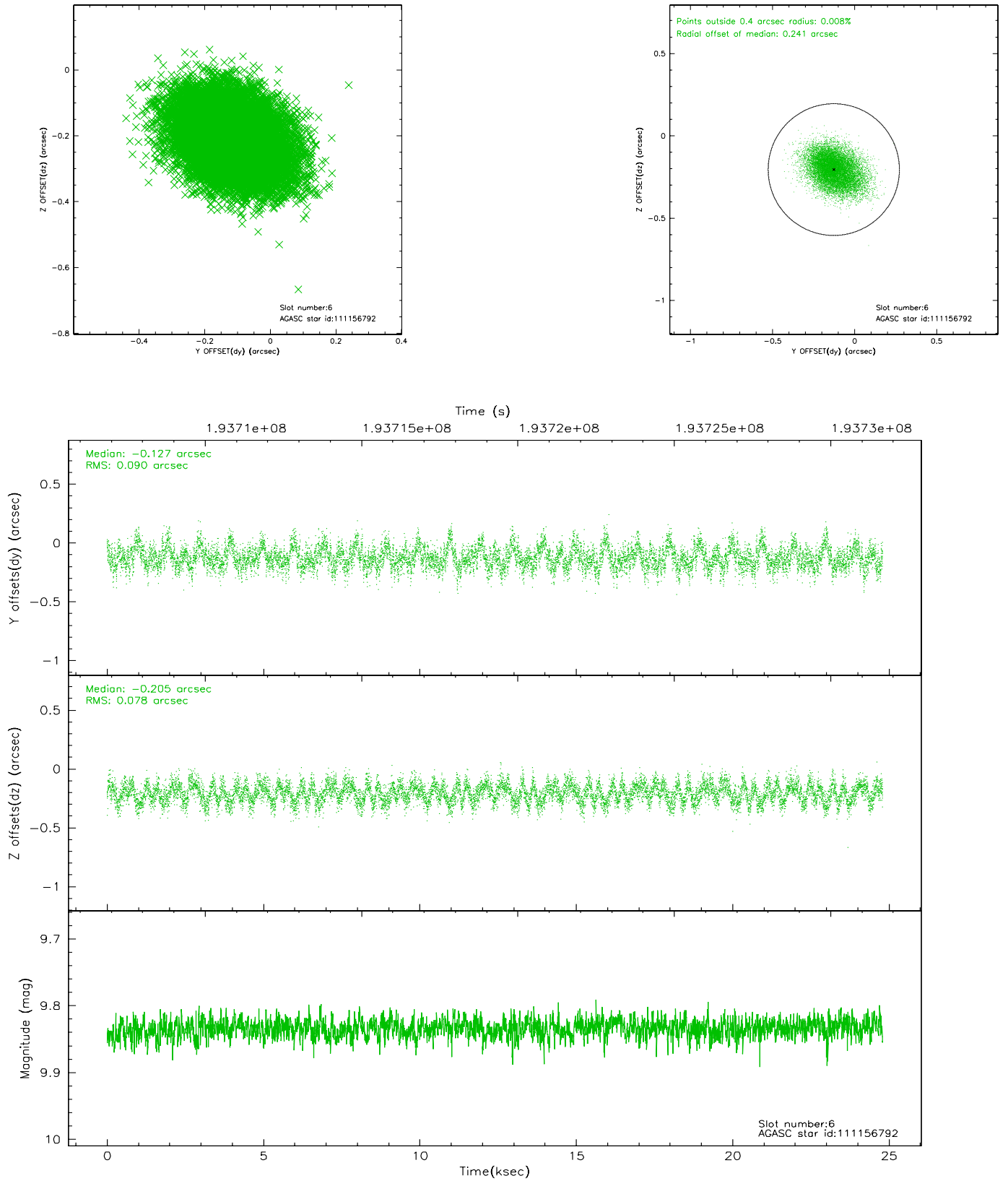
2.4.2 Slot 4



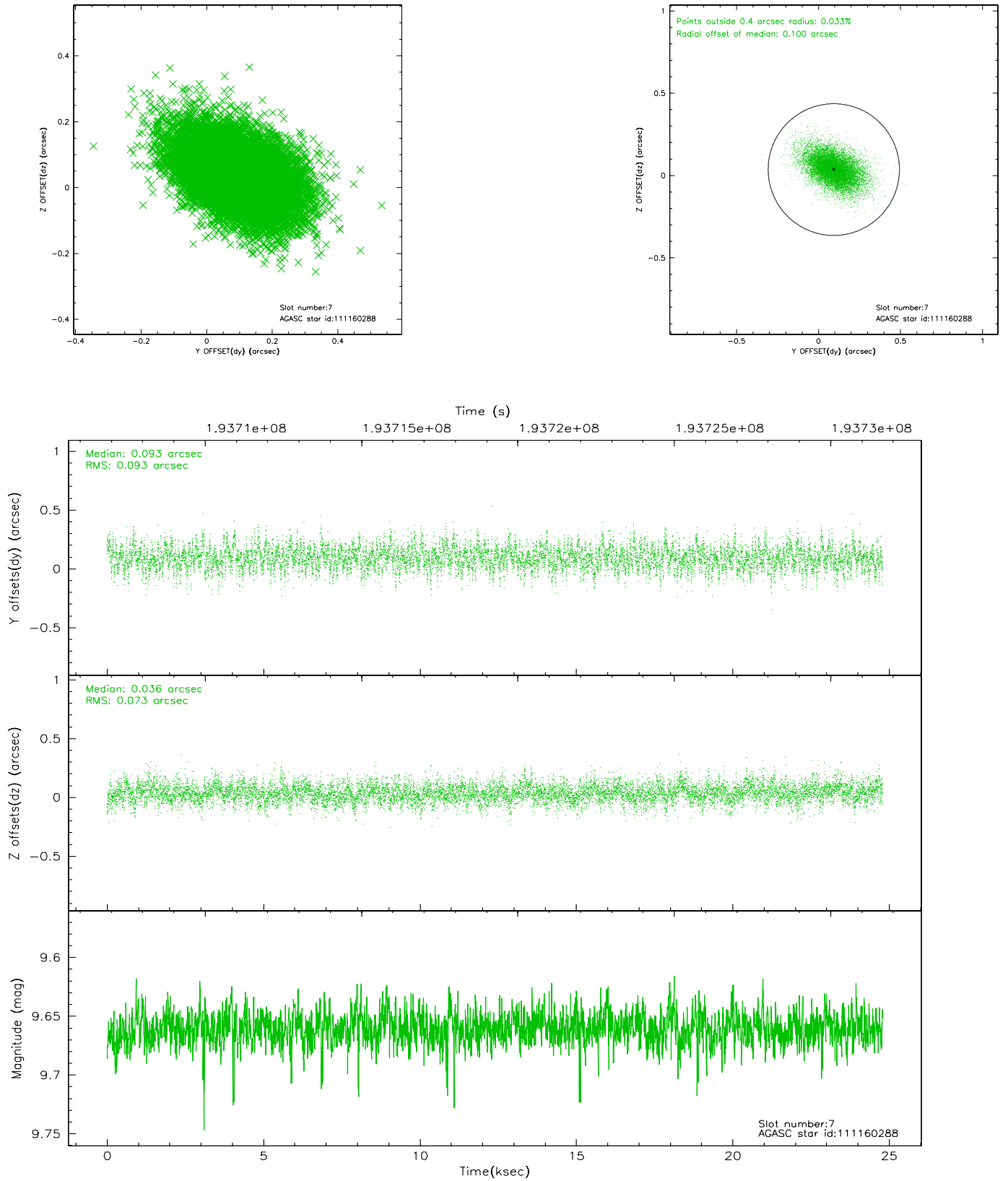
2.4.3 Slot 5



2.4.4 Slot 6

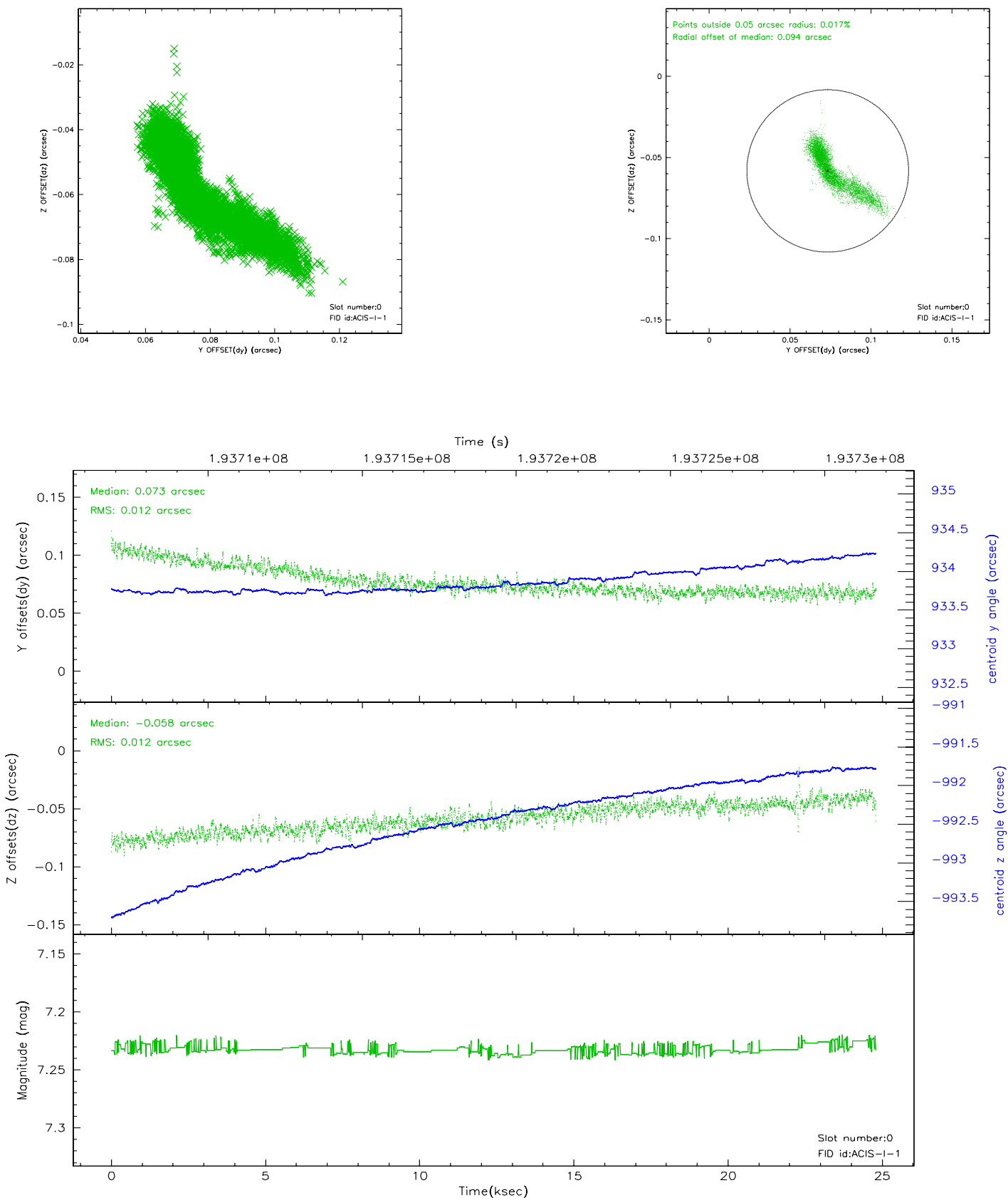


2.4.5 Slot 7

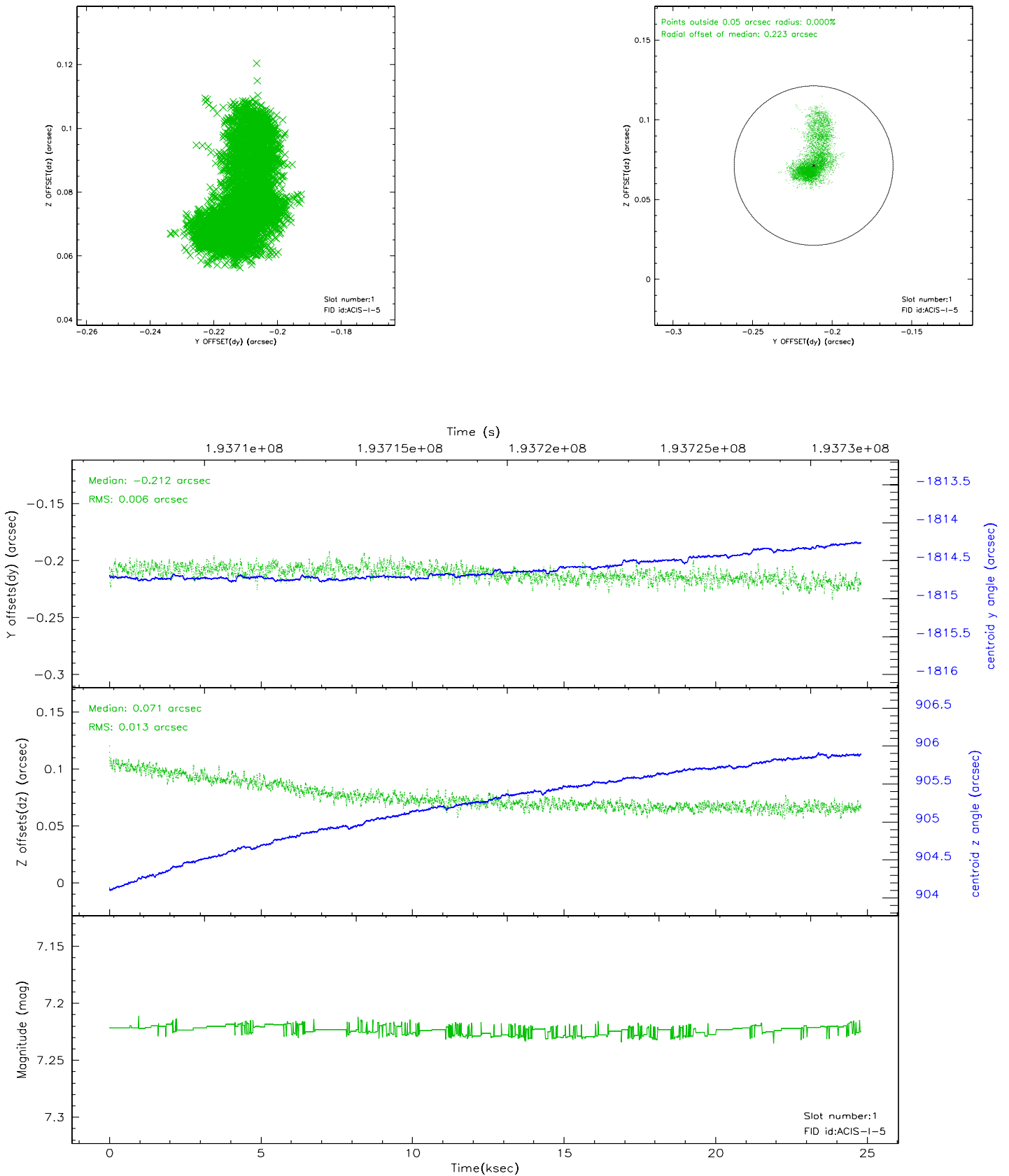


2.5 FID Slots

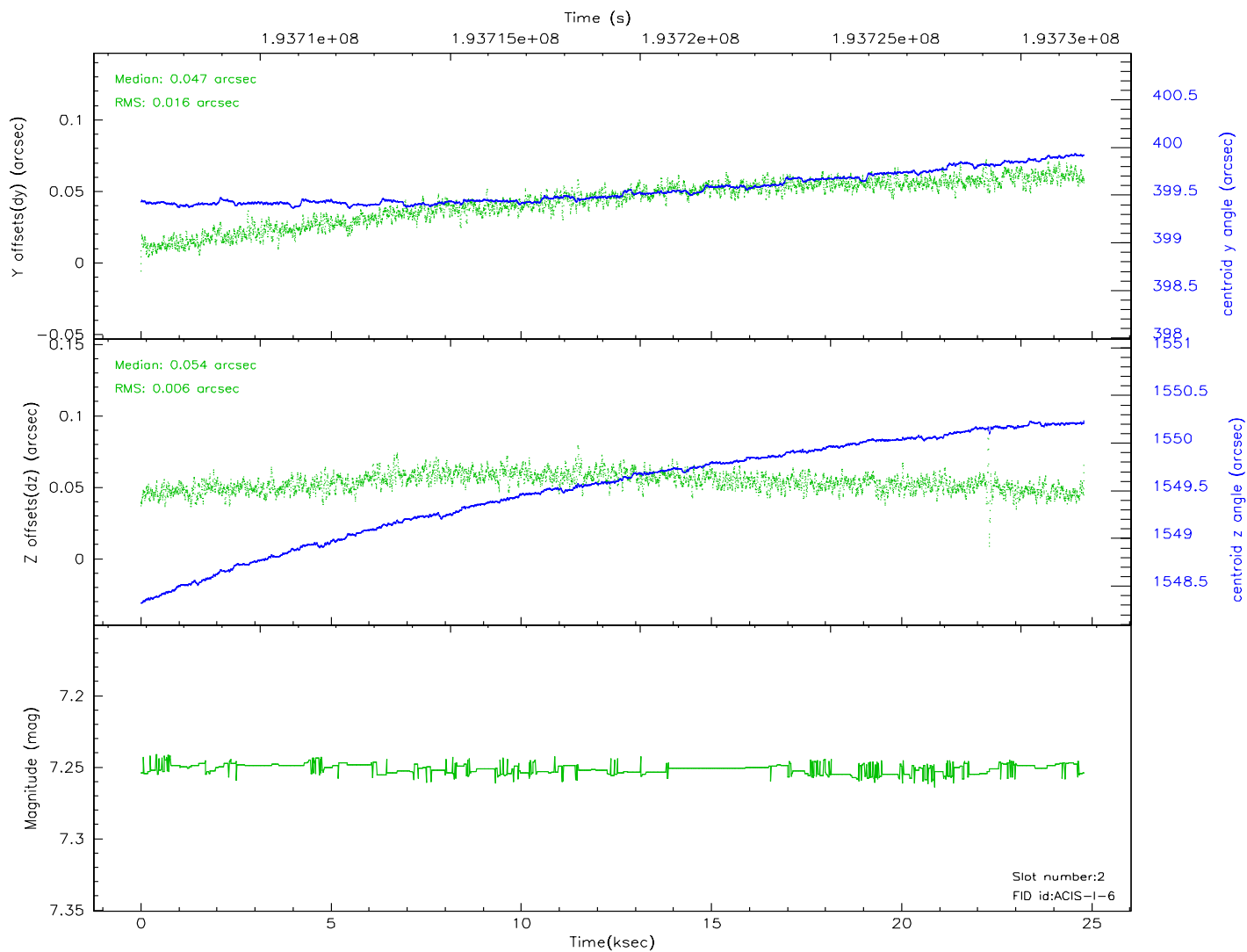
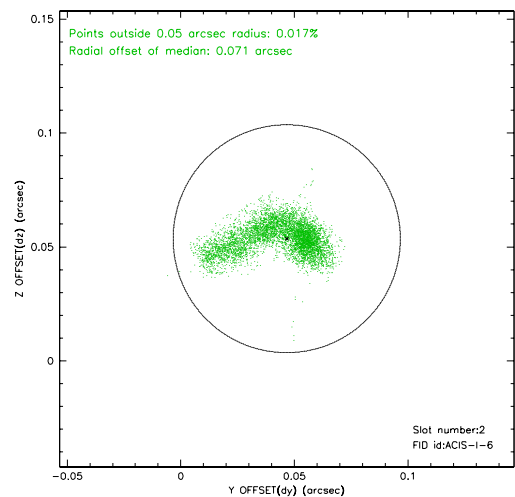
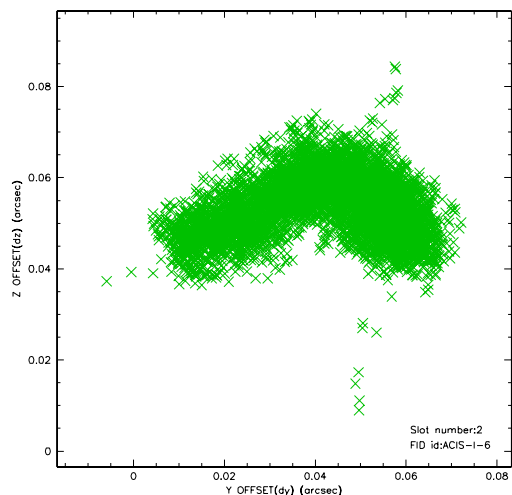
2.5.1 Slot 0



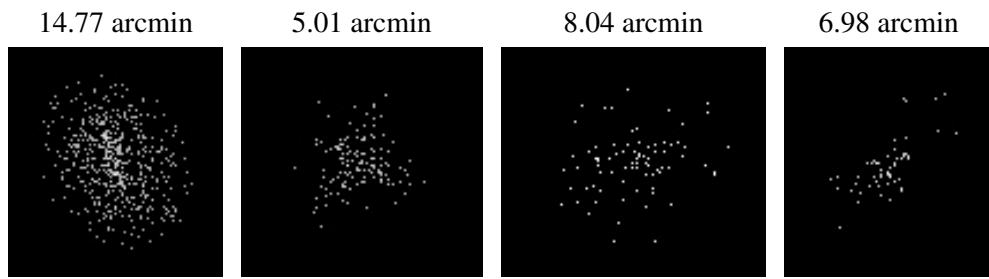
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.06.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	24.79

A.2 Comments

The ACIS focal plane temperature rises by more than a degree over the course of the observation.