

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 3531 - L2 Version 001
Chandra X-Ray Center

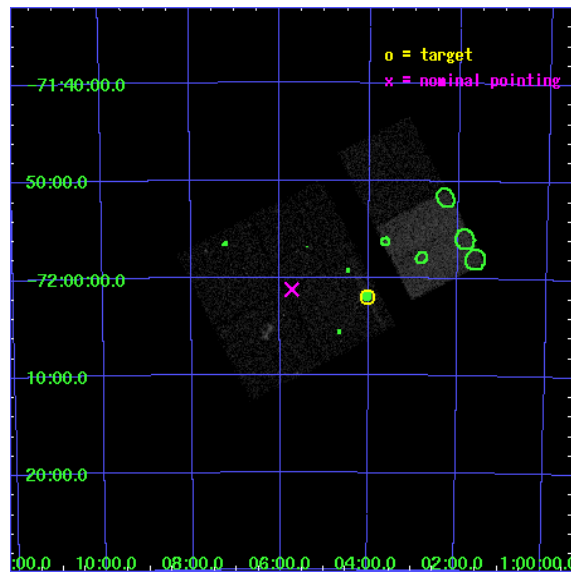
L2 Processing Date : Jul 10 2006

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1 Front

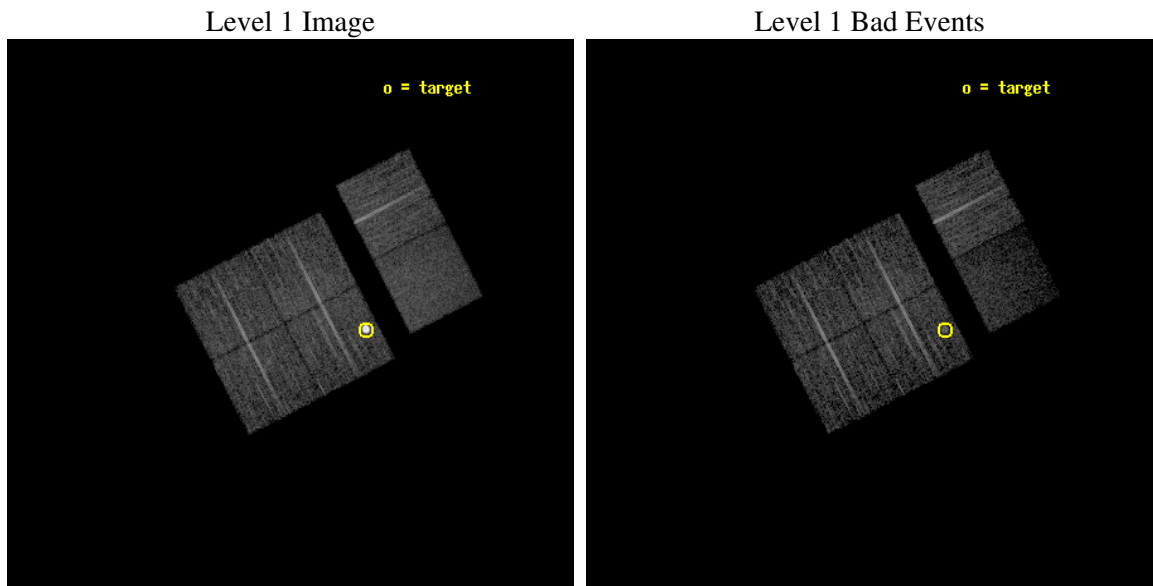
seq_num	590286
obs_id	3531
title	AO4B ACIS-I CALIBRATION OBSERVATIONS OF E0102-72
observer	Dr. CXC Calibration
object	E0102-72[I3,-120,-4.0,6.5.0]
dtcycle	0
cycle	P
ra_targ	16.01
dec_targ	-72.032028
ra_nom	16.432774386102
dec_nom	-72.02030047968
roll_nom	62.780090057428
revision	2
ontime	8172.7999695539
livetime	8069.3110552701
ontime0	8172.7999695539
ontime1	8172.7999695539
ontime2	8172.7999695539
ontime3	8172.7999695539
ontime6	8172.7999695539
ontime7	8169.5589992702
l2events	55088



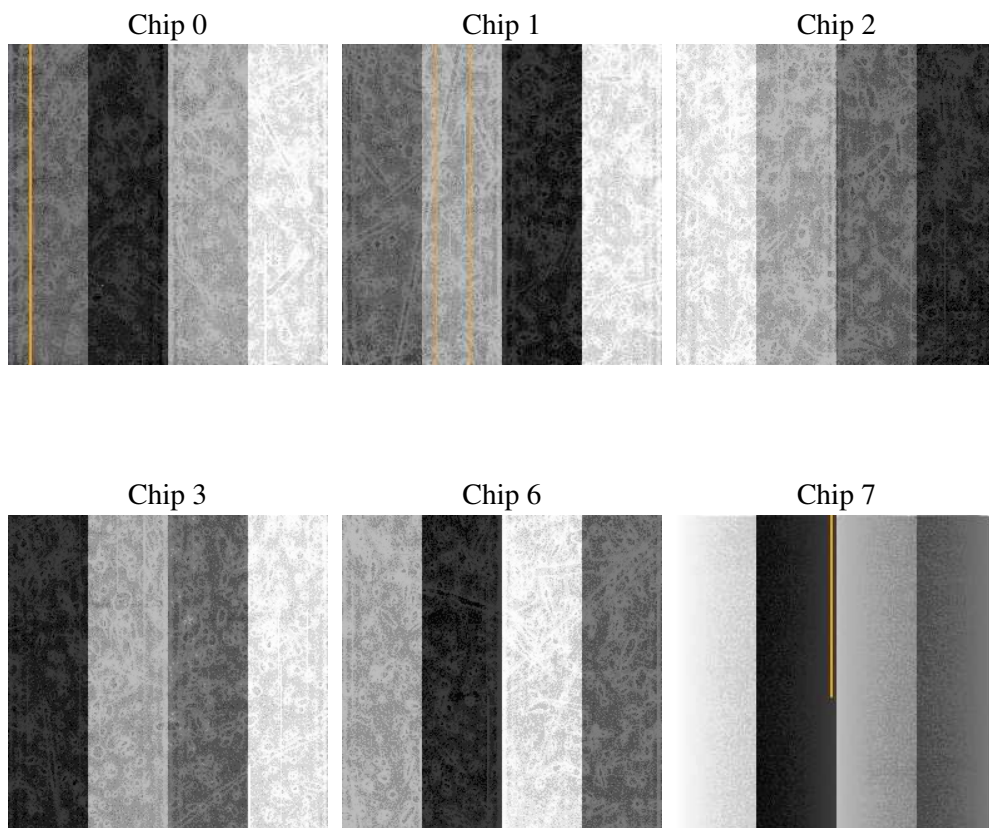
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.8
caldbver	3.2.2
date	2006-07-11T02:40:45
revision	2

sched_exp_time	8000.000000
ontime	8442.8160909414
ontime0	8442.8160909414
ontime1	8442.8160909414
ontime2	8442.8160909414
ontime3	8442.8160909414
ontime6	8442.8160909414
ontime7	8439.5751206577
l1events	261708

2.1.4 Events

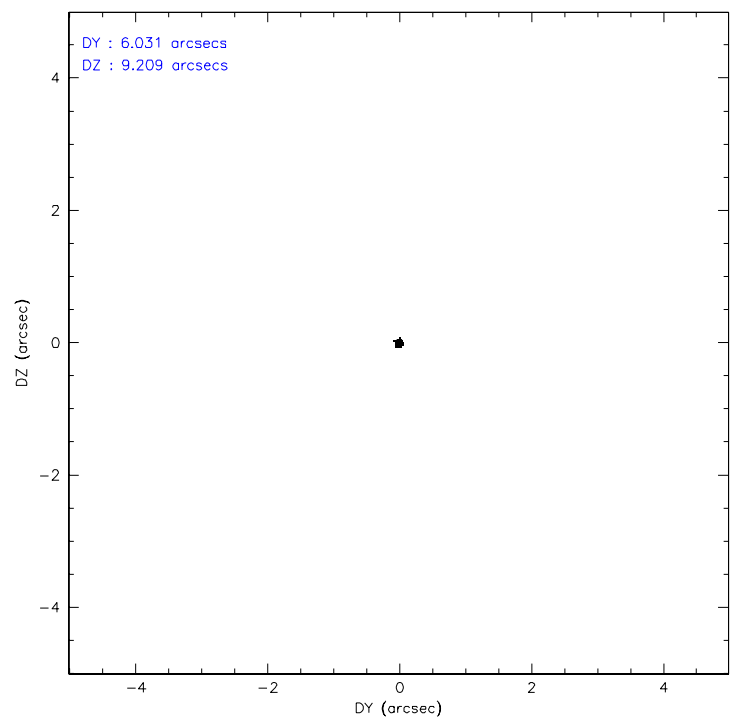
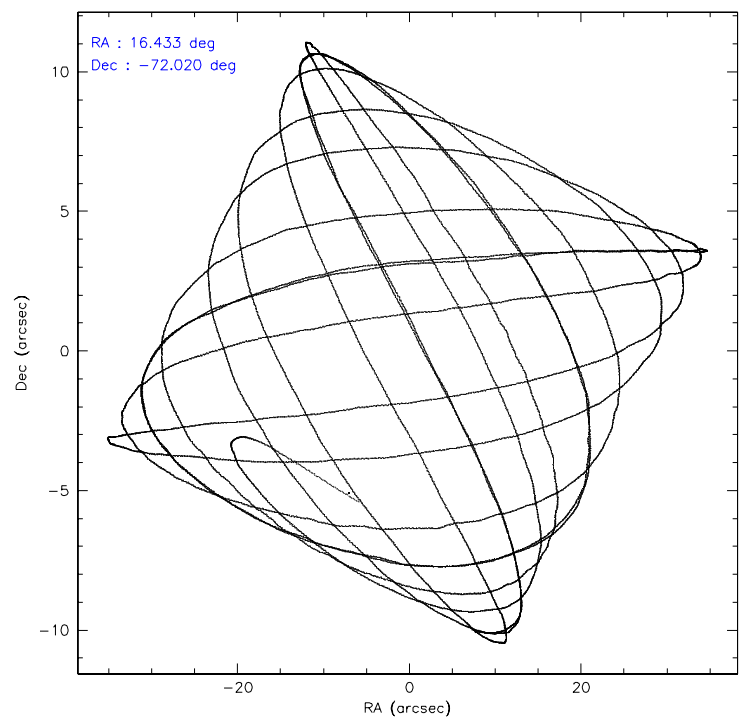
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	38424	37011	41778	62157	44019	38319
rejected events	34446	32516	37959	36119	39934	21041
rejected %	89%	87%	90%	58%	90%	54%

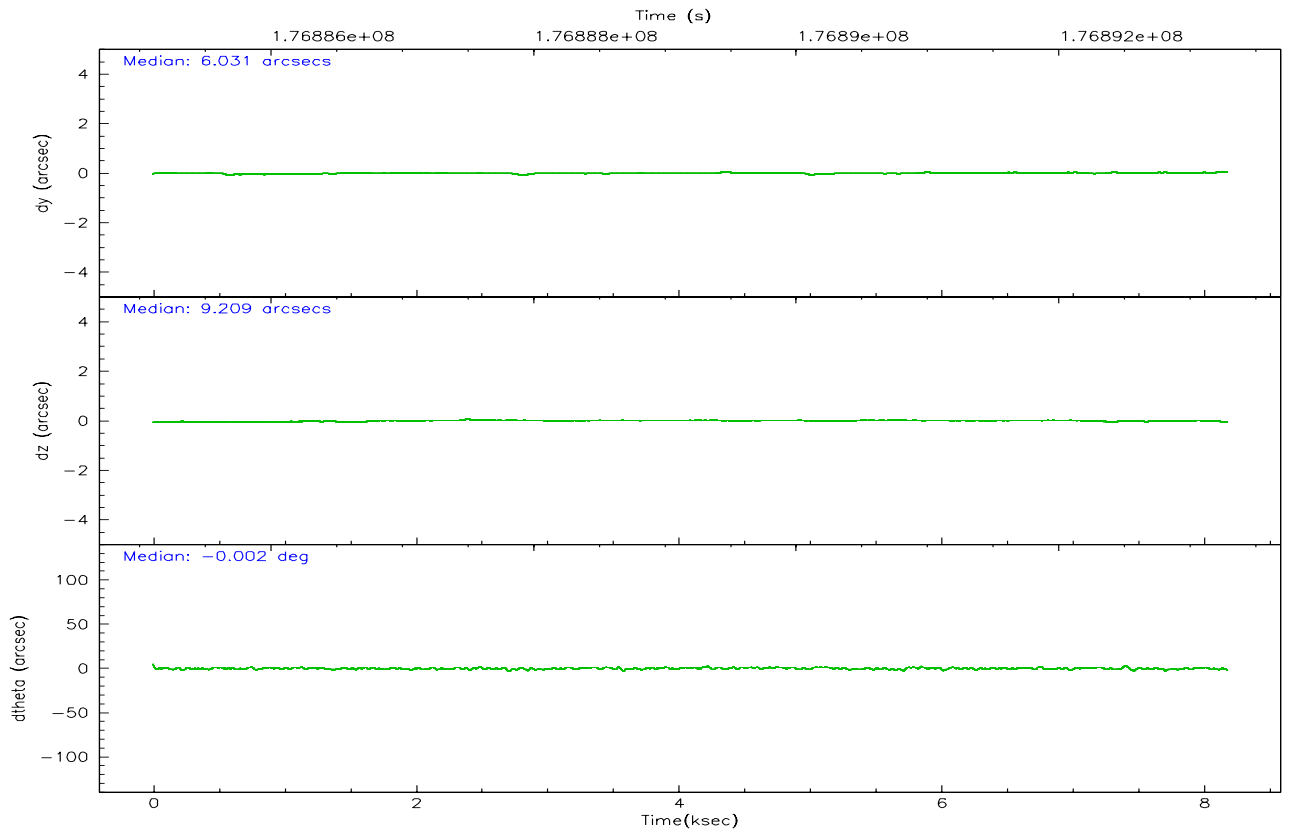
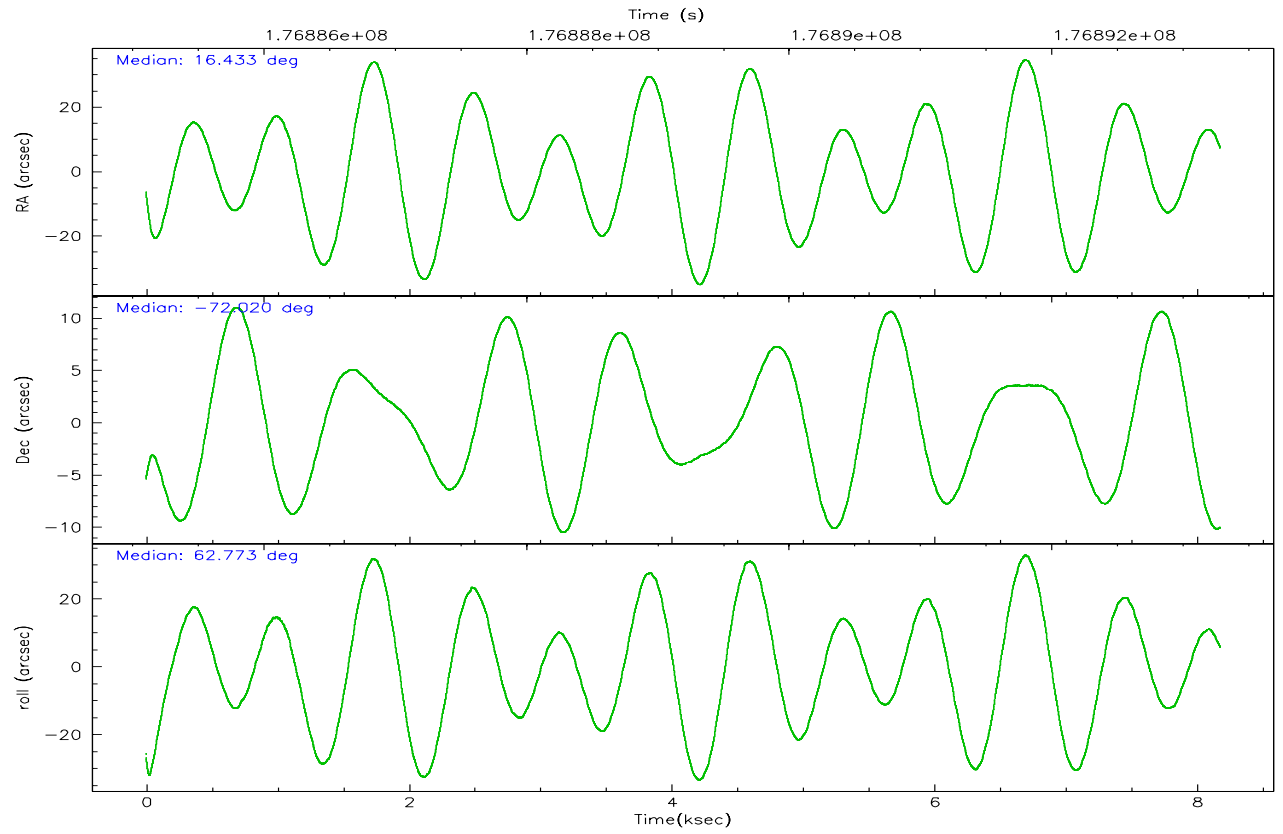
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	1486	1916	1526	21674	1548	1382
	3%	5%	3%	34%	3%	3%
grade 1 events	15	14	17	150	12	23
	0%	0%	0%	0%	0%	0%
grade 2 events	853	941	853	2414	901	4522
	2%	2%	2%	3%	2%	11%
grade 3 events	526	490	426	784	445	1130
	1%	1%	1%	1%	1%	2%
grade 4 events	432	491	434	824	455	1103
	1%	1%	1%	1%	1%	2%
grade 5 events	1213	1270	1114	1360	1428	2935
	3%	3%	2%	2%	3%	7%
grade 6 events	791	786	693	866	866	9669
	2%	2%	1%	1%	1%	25%
grade 7 events	33108	31103	36715	34085	38364	17555
	86%	84%	87%	54%	87%	45%

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	16.437466	16.43277438610194	Alternating exposures requested	N	N
Pointing Dec	-72.047587	-72.02030047967972	Primary exposure time	0.000000	3.2
Pointing Roll	62.575895	62.78009005742755			
Window start time	174614464.184000	174614464.184000			
Window stop time	177292864.184000	177292864.184000			
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	176885275.184000	176884076.72518			
Observation start date	2003-08-10T06:46:51	2003-08-10T06:27:56			
Observation end time	176893275.184000	176893409.86308			
Observation end date	2003-08-10T09:00:11	2003-08-10T09:03:29			
Read mode	TIMED	TIMED			

2.3 Aspect



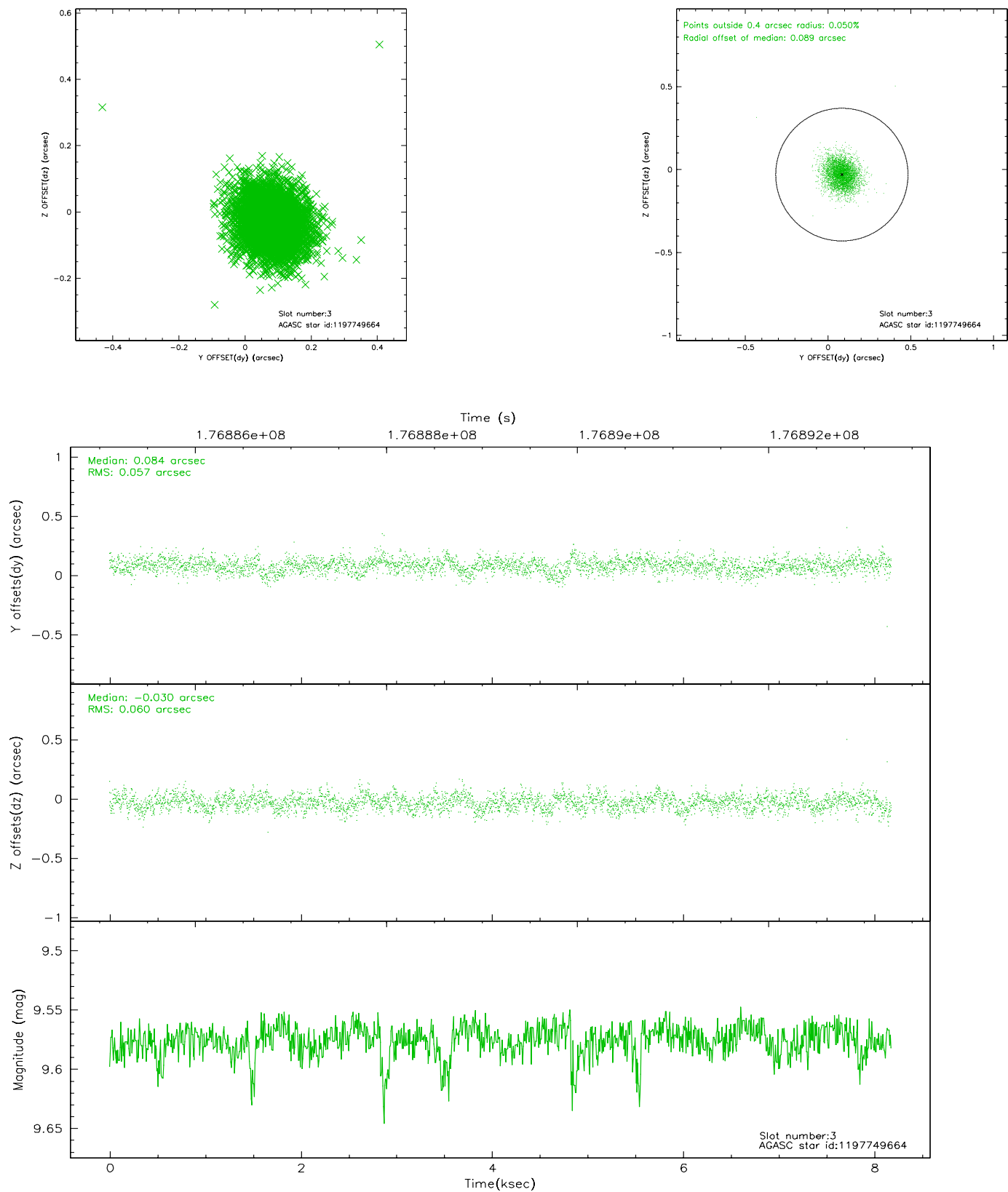


Slot Statistics

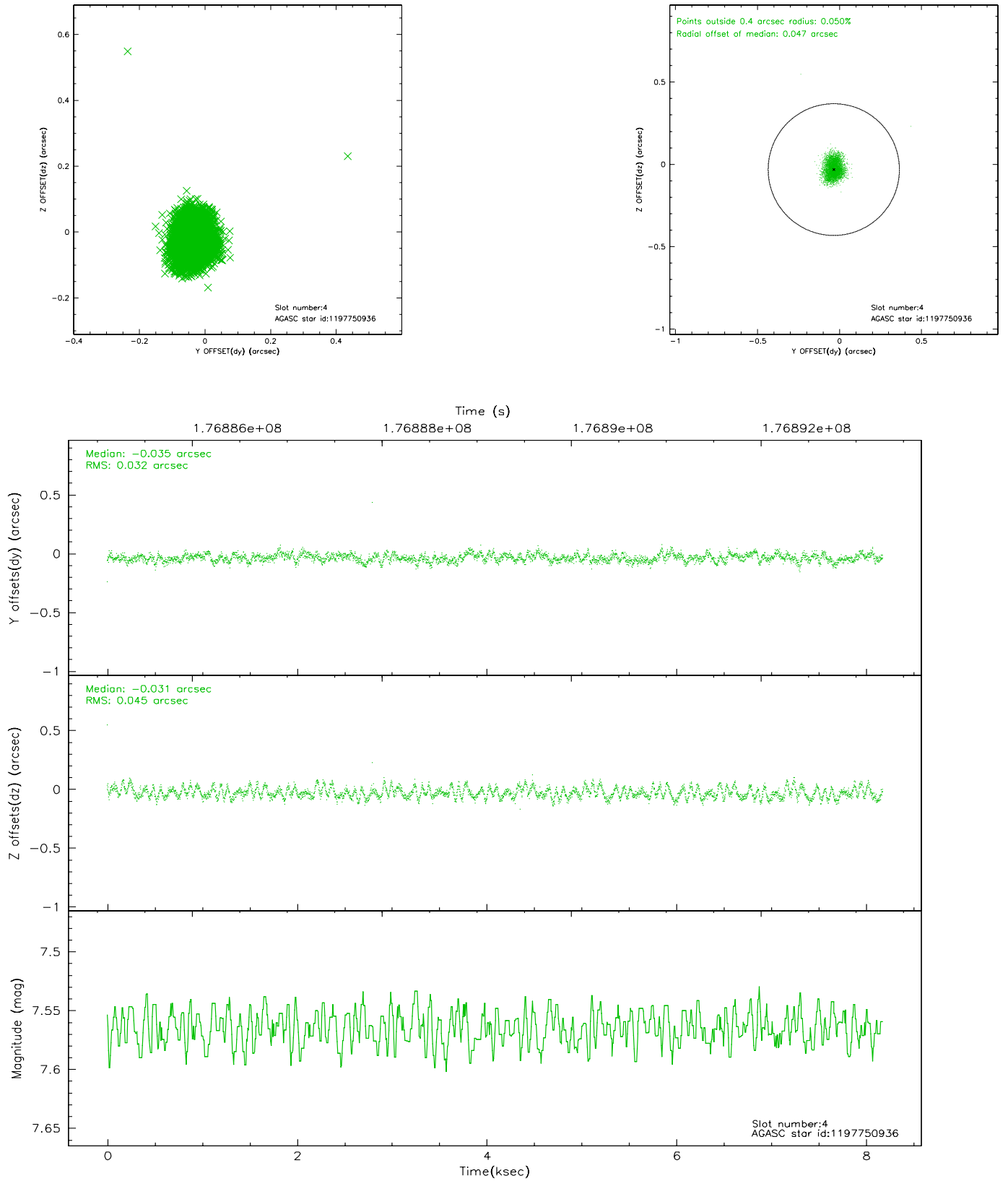
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	1994	-0.057	0.092	0.009	0.015	0.000000	0.000000	933.63	-832.56
1	FID	ACIS-I-2	7.13	1993	-0.070	-0.049	0.007	0.010	0.000000	0.000000	-760.09	-839.49
2	FID	ACIS-I-4	7.18	1995	0.029	0.025	0.006	0.010	0.000000	0.000000	2153.28	1066.84
3	GUIDE	1197749664	9.57	3983	0.084	-0.030	0.087	0.143	15.809015	-72.366369	-1337.02	78.04
4	GUIDE	1197750936	7.56	3987	-0.035	-0.031	0.058	0.092	15.387940	-71.549550	1031.13	1882.53
5	GUIDE	1197884536	8.49	3987	0.096	0.108	0.054	0.089	17.160729	-71.835289	1048.65	-369.85
6	GUIDE	1197885104	9.35	3988	-0.109	0.034	0.089	0.147	17.845067	-72.189368	245.12	-1618.94
7	GUIDE	1197885328	7.22	3987	-0.037	-0.078	0.056	0.085	16.283090	-71.733943	922.41	674.10

2.4 Star Slots

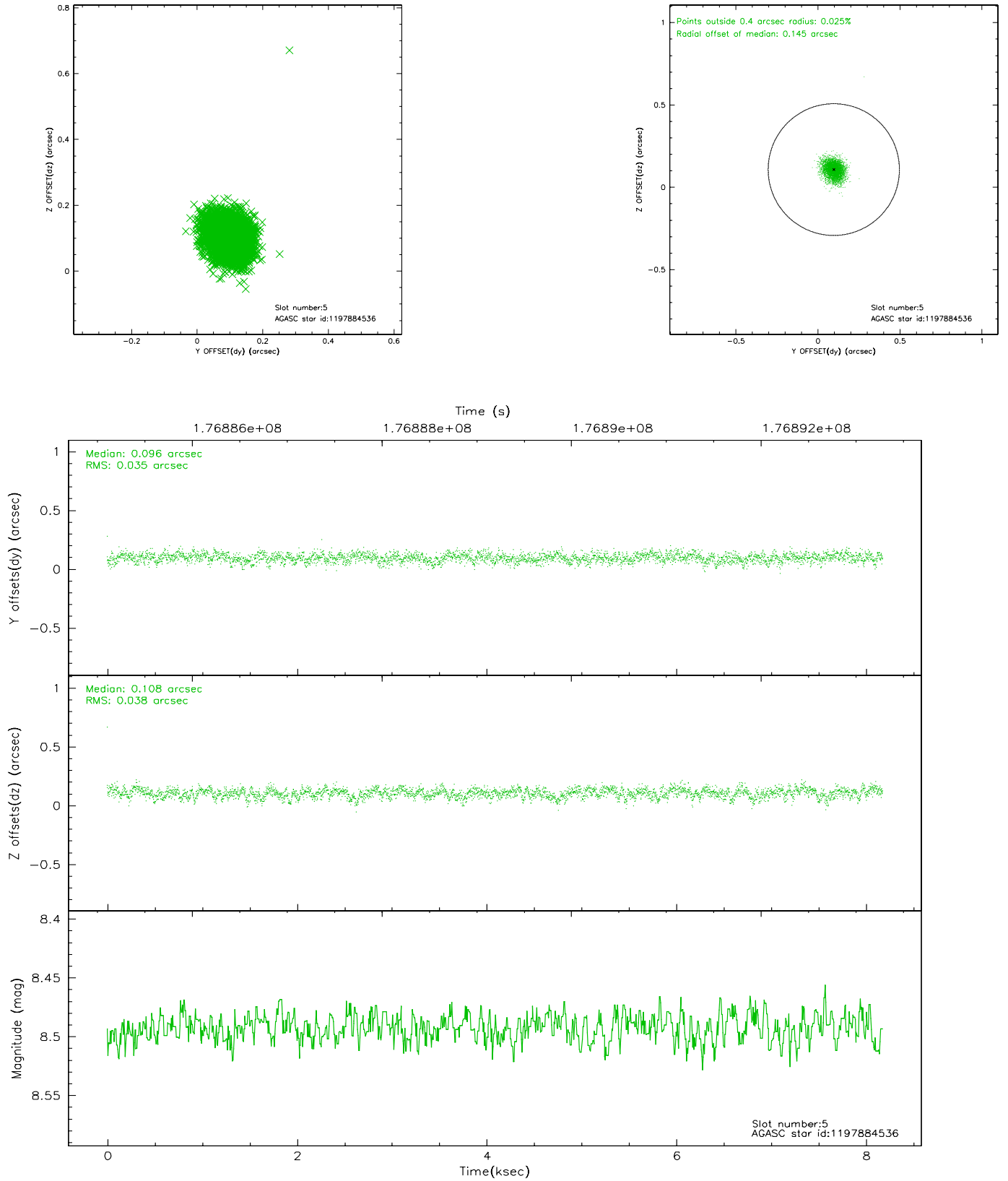
2.4.1 Slot 3



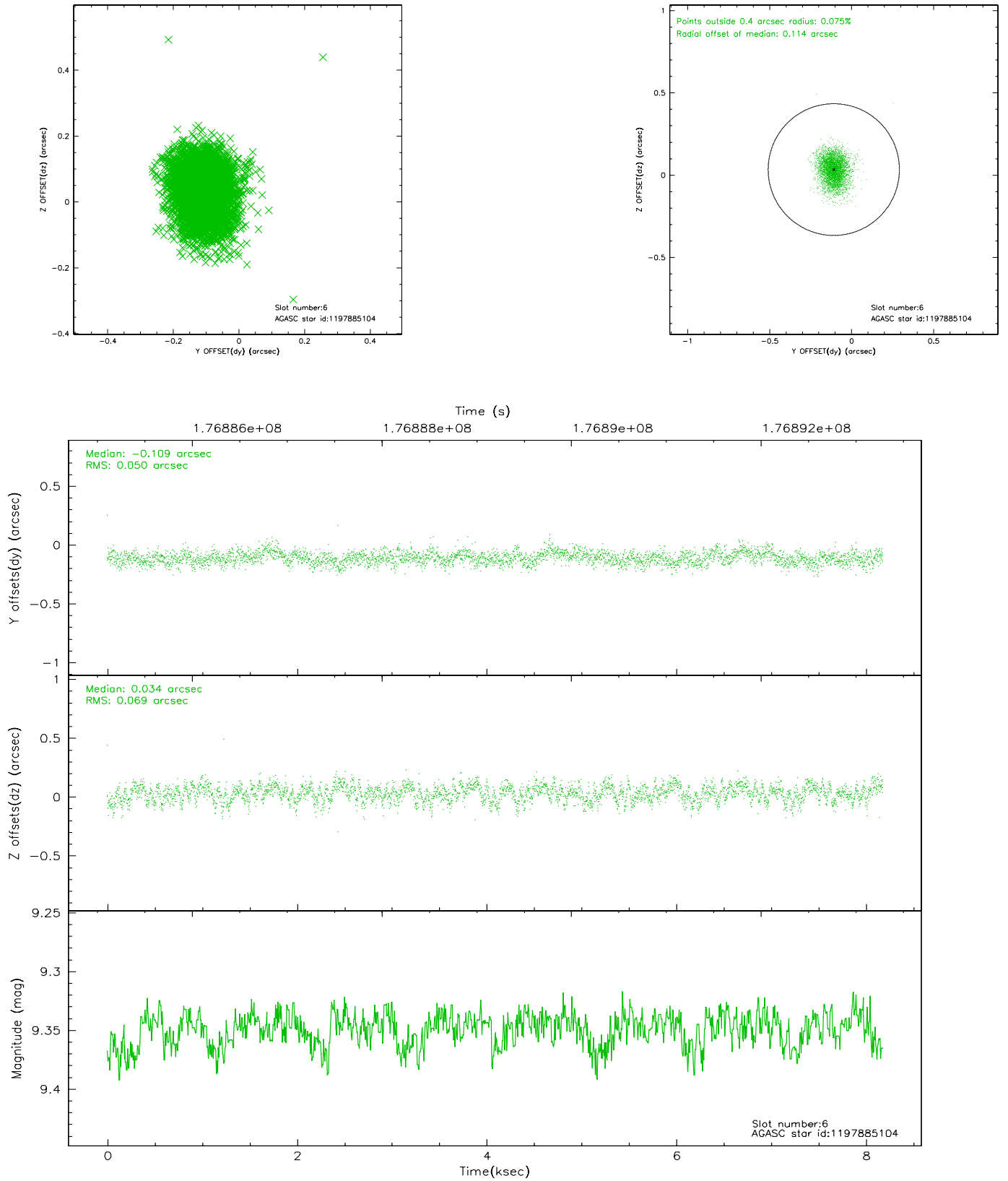
2.4.2 Slot 4



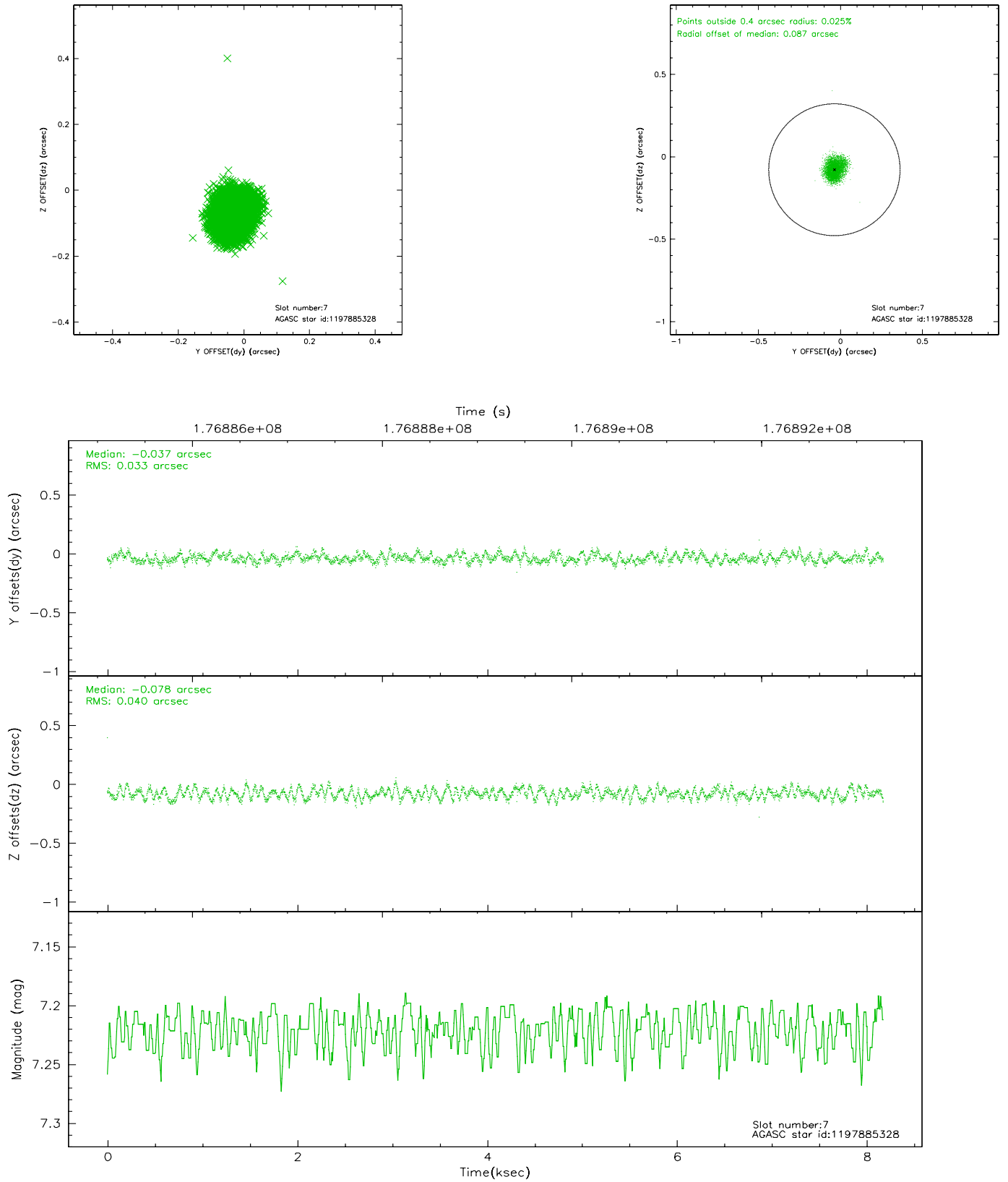
2.4.3 Slot 5



2.4.4 Slot 6

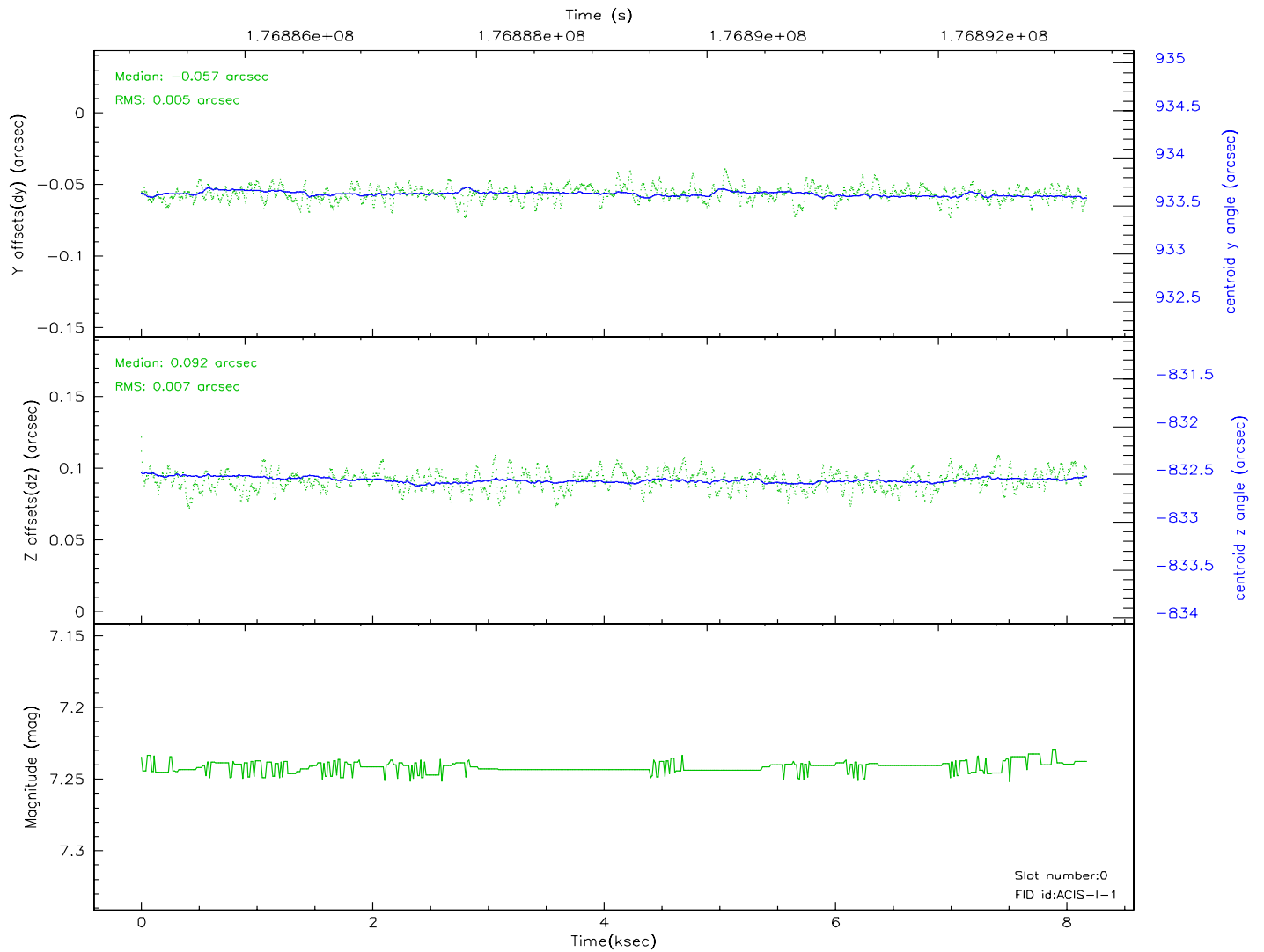
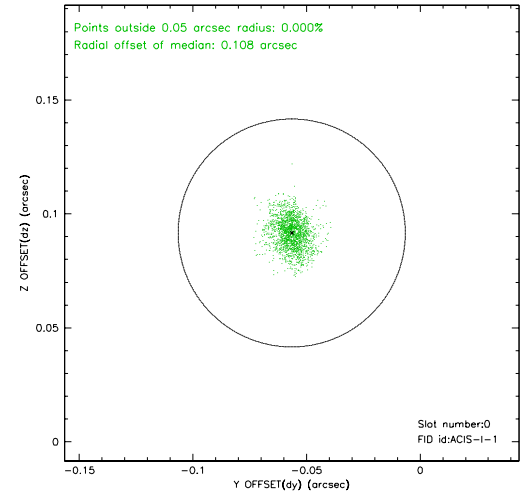
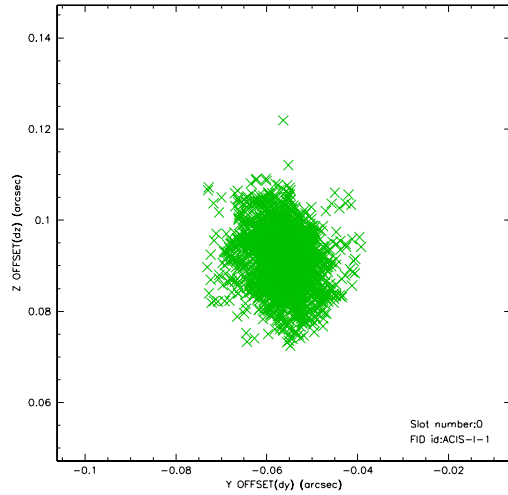


2.4.5 Slot 7

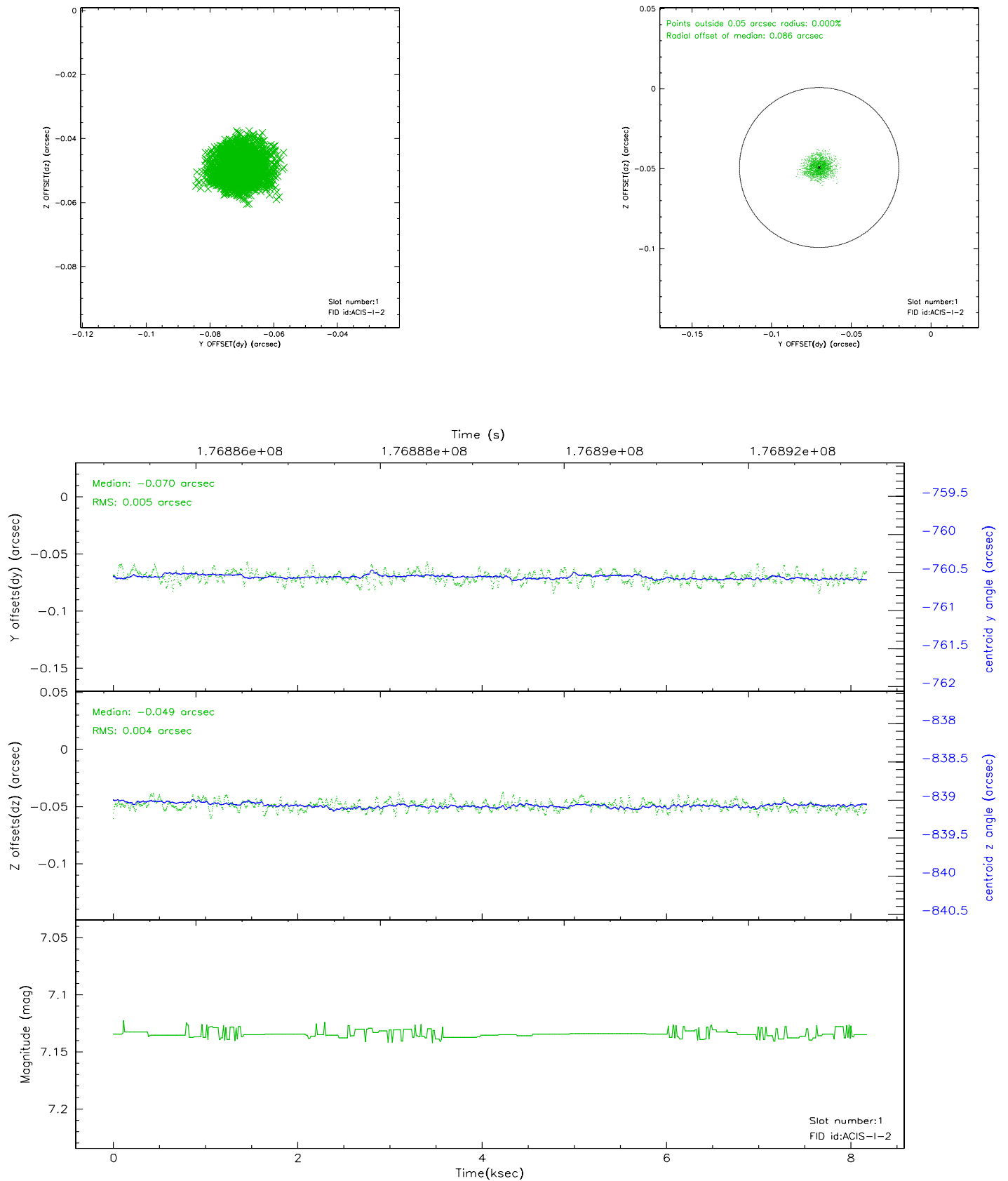


2.5 FID Slots

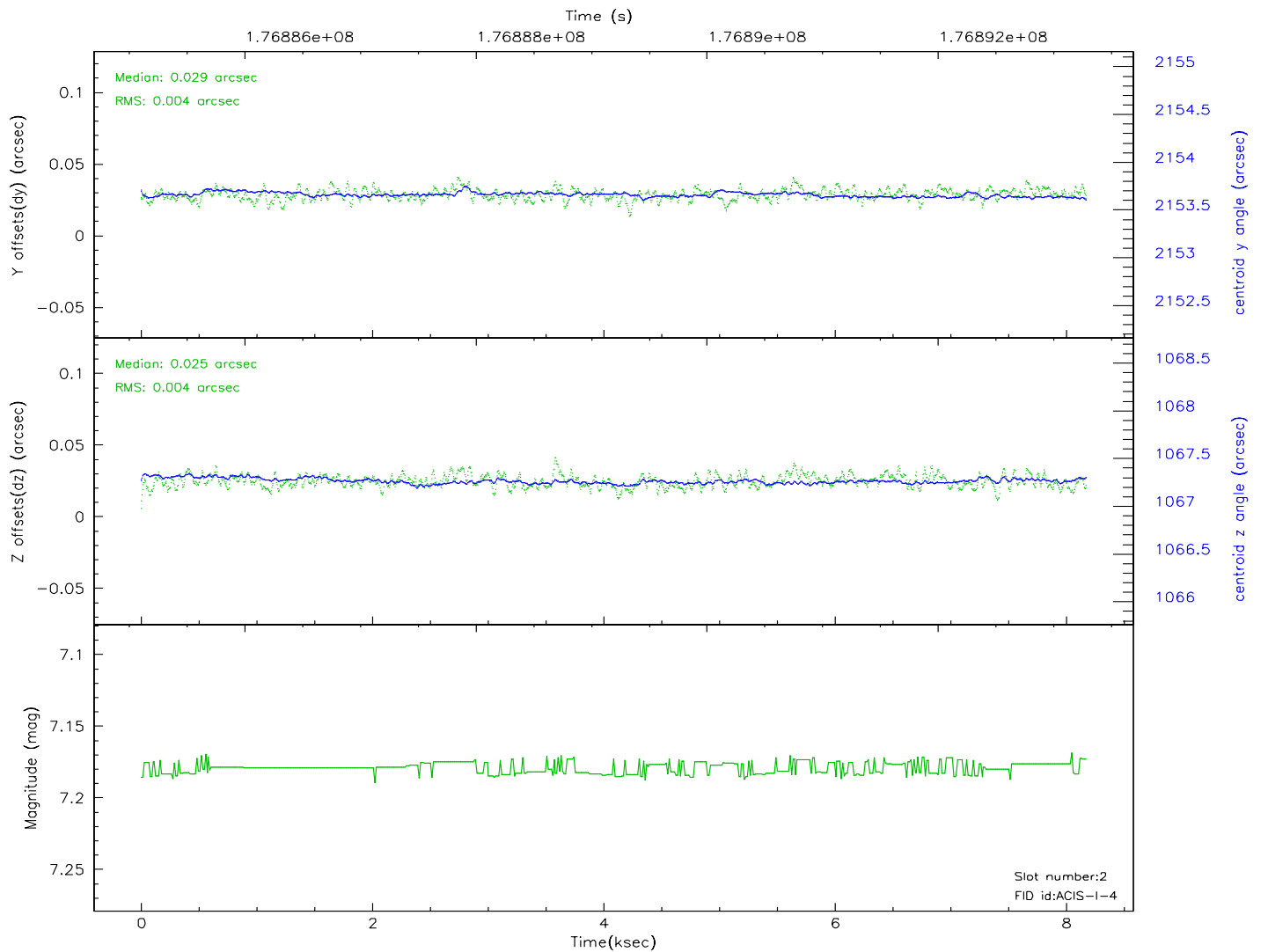
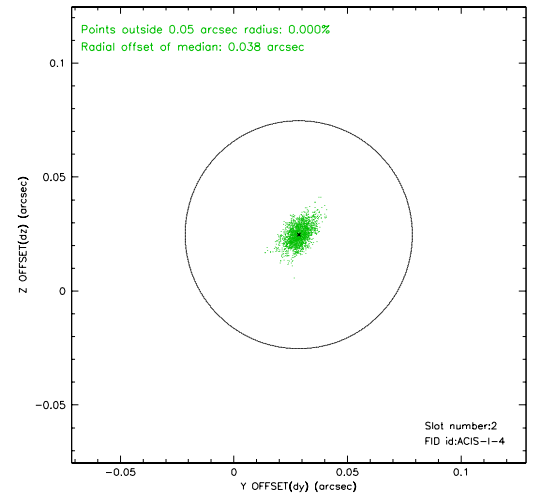
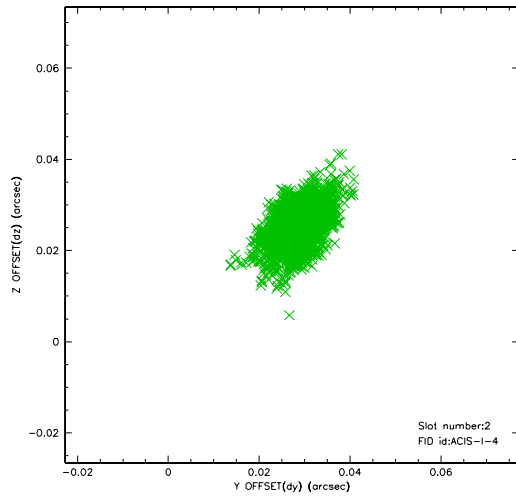
2.5.1 Slot 0



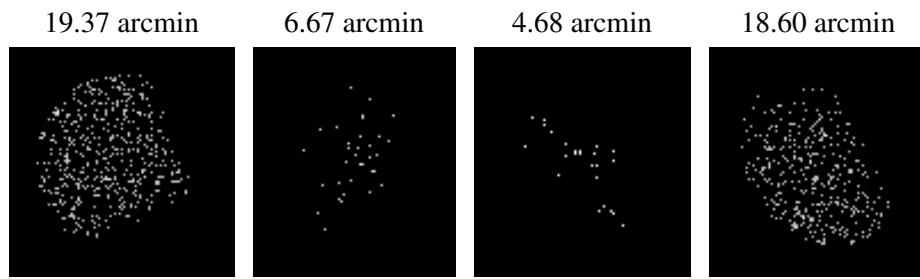
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.07.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.169

A.2 Comments

Window constraint met.

Target is near the edge of the chip. The ACIS focal plane temperature dropped by more than a degree during the observation. It was above calibration limits for the first five ksec of the obsid.