

V&V Reference Report

L2 ASCDS Version : 7.6.7.2

Observation 4935 - L2 Version 001
Chandra X-Ray Center

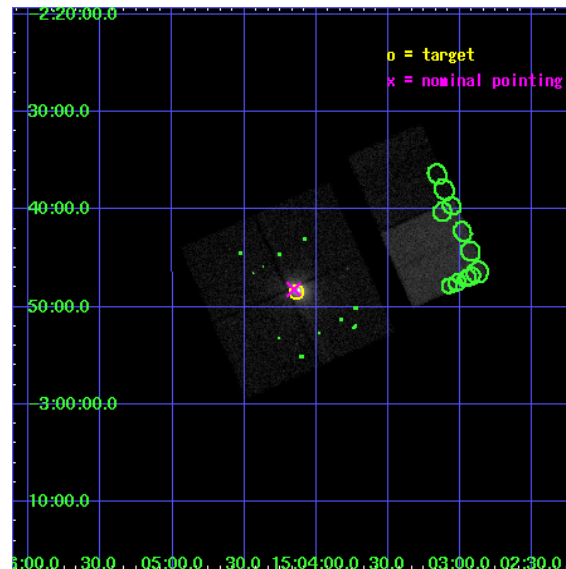
L2 Processing Date : Jun 8 2006

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1 Front

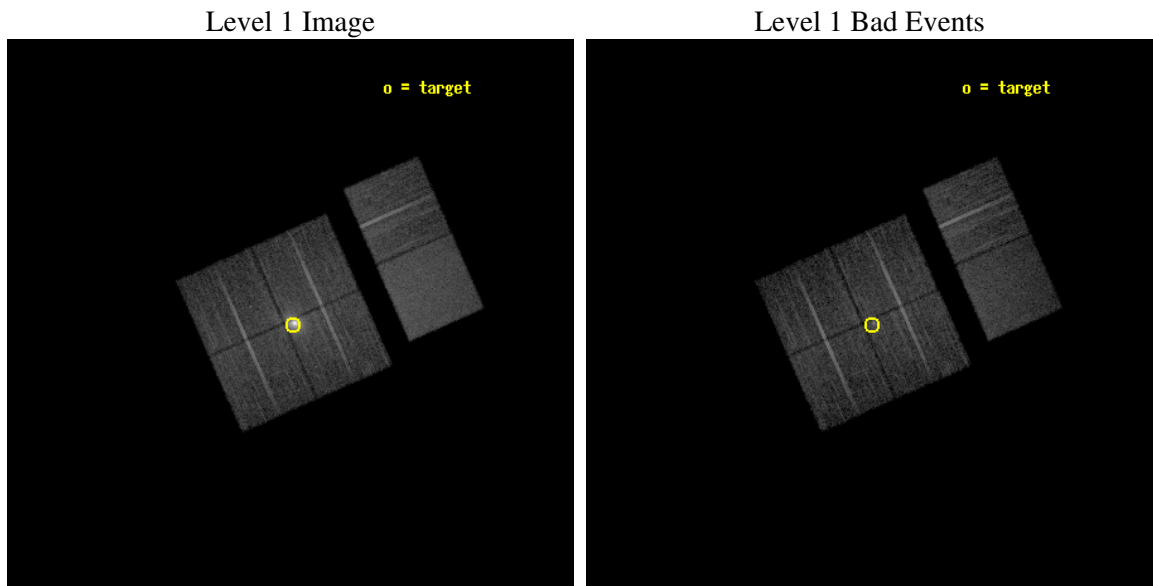
seq_num	800386
obs_id	4935
title	An X-ray Study of the extremely luminous Galaxy Cluster RXCJ 1504.1-0248
observer	Dr. Peter Predehl
object	RXCJ 1504-0248
dtcycle	0
cycle	P
ra_targ	226.035417
dec_targ	-2.806806
ra_nom	226.03879103222
dec_nom	-2.8036108756018
roll_nom	66.229856515487
revision	2
ontime	13465.599949837
livetime	13295.090415261
ontime0	13465.599949837
ontime1	13465.599949837
ontime2	13465.599949837
ontime3	13465.599949837
ontime6	13465.599949837
ontime7	13465.599949837
l2events	128030



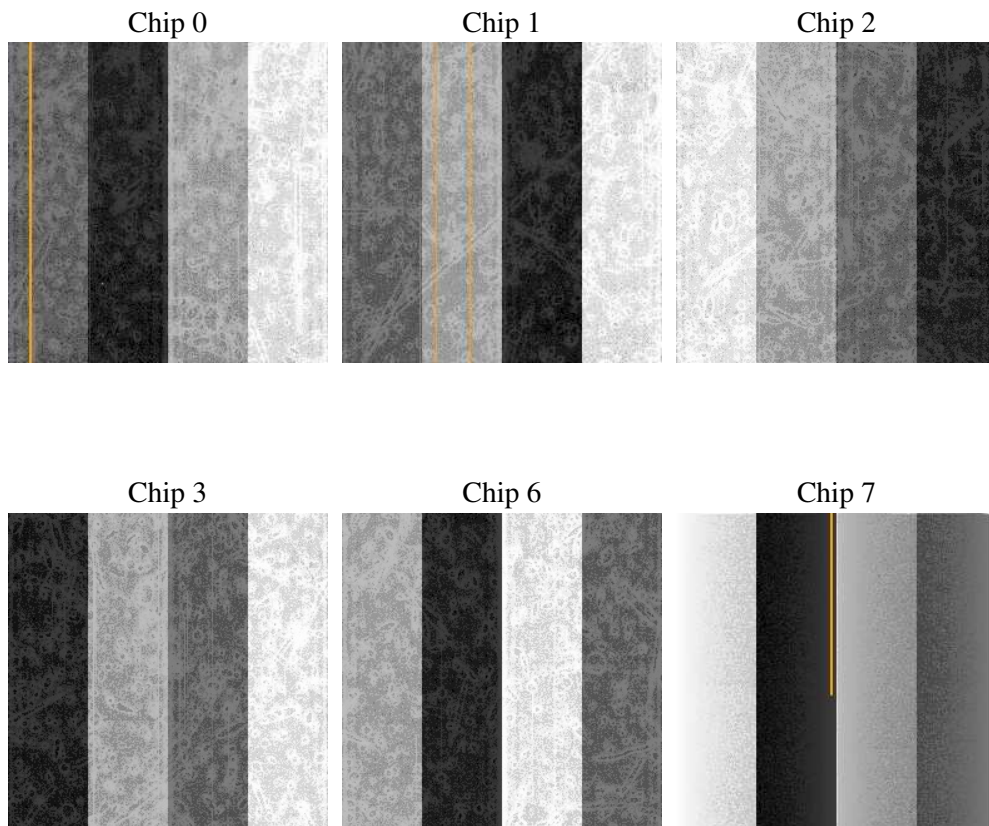
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.2
caldsver	3.2.2
date	2006-06-08T06:00:40
revision	2

sched_exp_time	13500.000000
ontime	13469.598406553
ontime0	13469.598406553
ontime1	13469.598406553
ontime2	13469.598406553
ontime3	13469.598406553
ontime6	13469.598406553
ontime7	13469.598436445
l1events	537908

2.1.4 Events

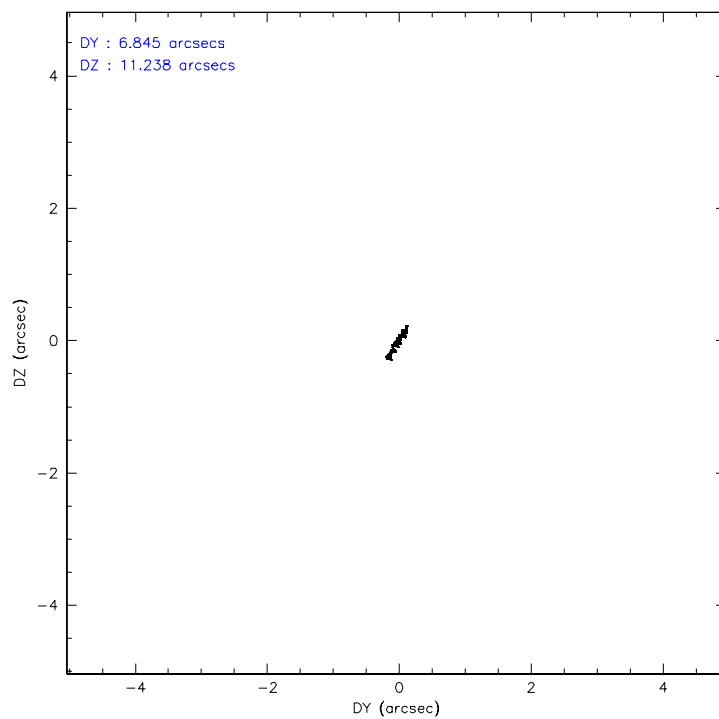
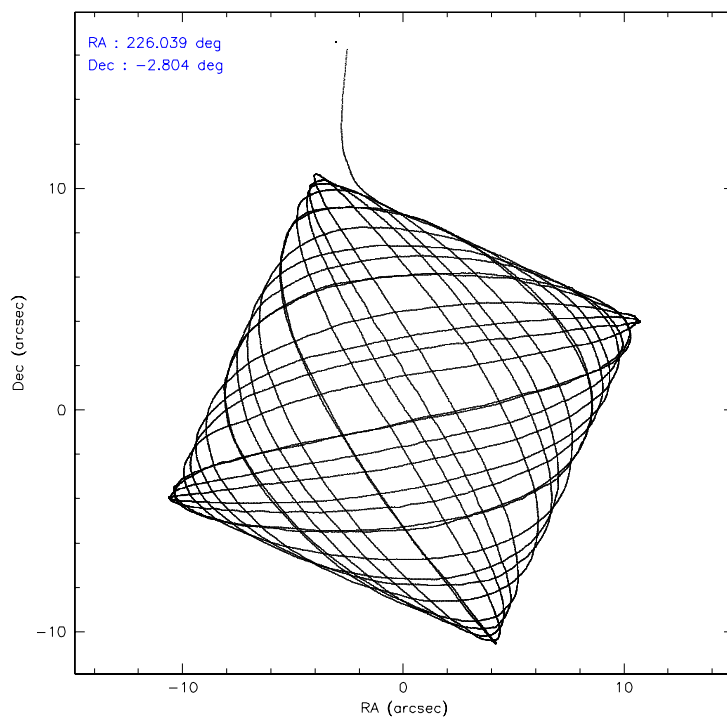
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	72123	74976	83080	115327	83807	108595
rejected events	60594	62817	68709	69650	73130	66709
rejected %	84%	83%	82%	60%	87%	61%

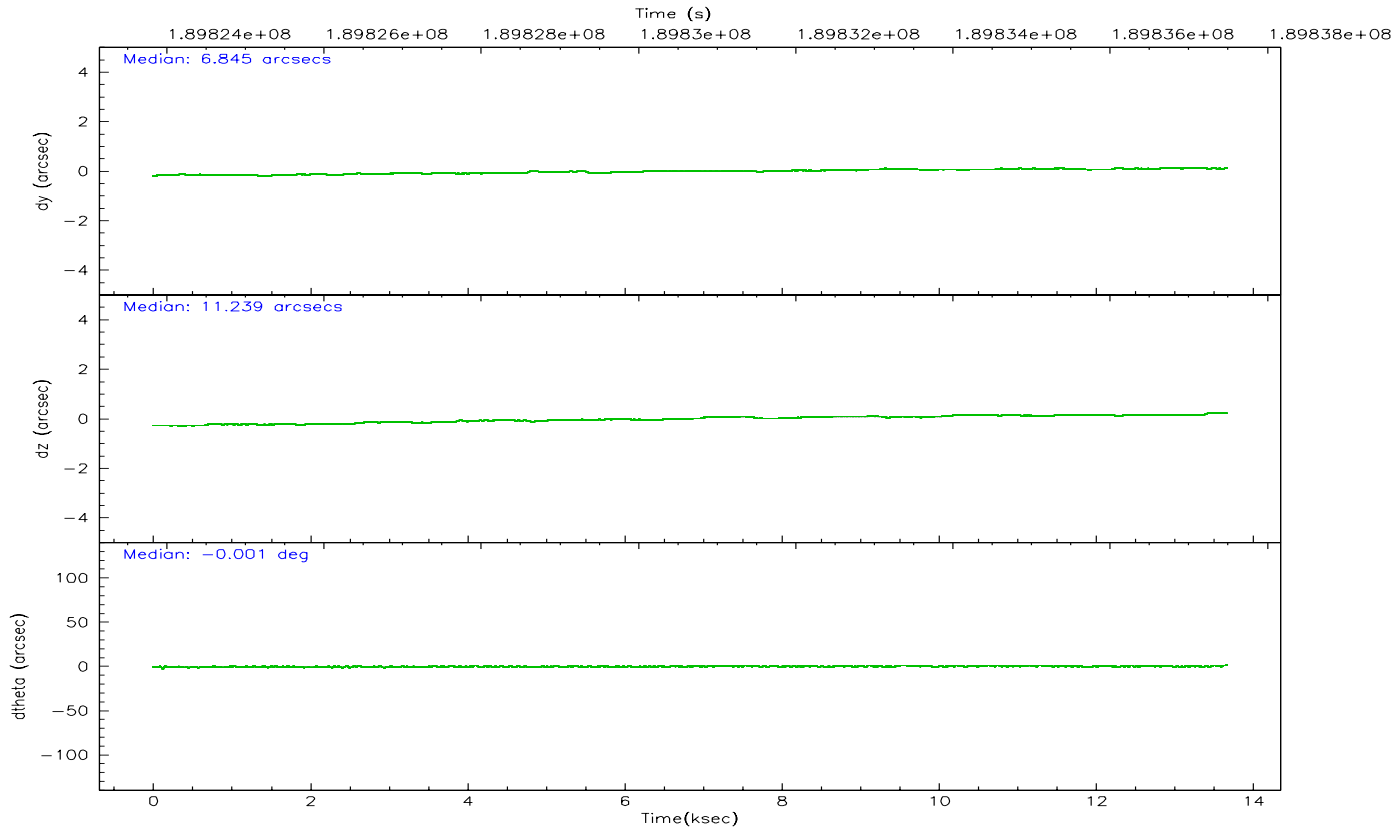
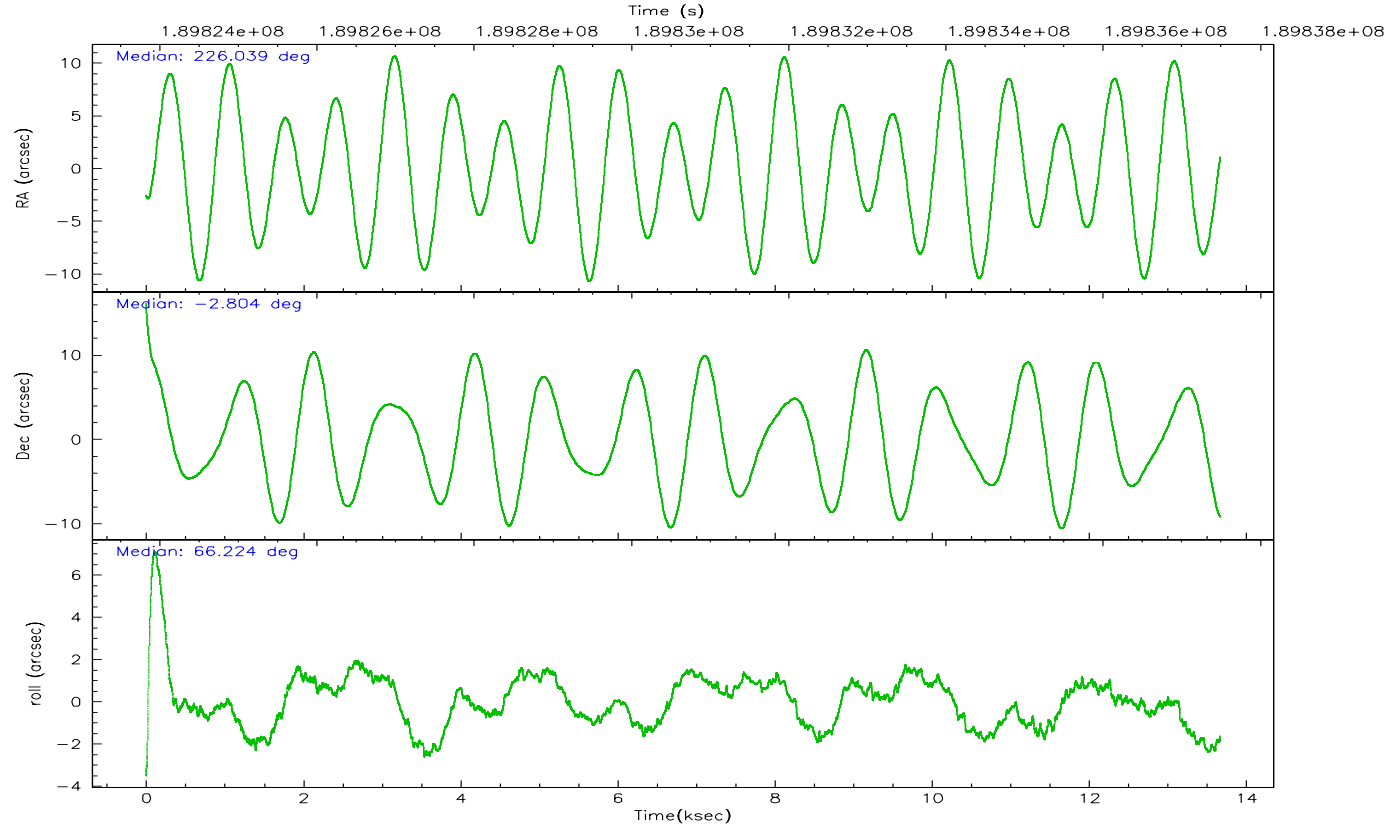
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	5487	5485	8002	33490	4384	2563
	7%	7%	9%	29%	5%	2%
grade 1 events	51	39	65	293	44	64
	0%	0%	0%	0%	0%	0%
grade 2 events	2247	2487	2456	5588	2288	10336
	3%	3%	2%	4%	2%	9%
grade 3 events	1023	1034	1016	2048	1005	2038
	1%	1%	1%	1%	1%	1%
grade 4 events	948	1019	1091	1935	947	2137
	1%	1%	1%	1%	1%	1%
grade 5 events	3317	3528	3223	3848	3768	7150
	4%	4%	3%	3%	4%	6%
grade 6 events	1829	2141	1812	2636	2056	24830
	2%	2%	2%	2%	2%	22%
grade 7 events	57221	59243	65415	65489	69315	59477
	79%	79%	78%	56%	82%	54%

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	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	226.041884	226.038791032218	Alternating exposures requested	N	N
Pointing Dec	-2.830841	-2.803610875601822	Primary exposure time	0.000000	3.2
Pointing Roll	66.021334	66.22985651548704			
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	189823990.184000	189823025.8956			
Observation start date	2004-01-07T00:52:06	2004-01-07T00:37:05			
Observation end time	189837490.184000	189839158.8838			
Observation end date	2004-01-07T04:37:06	2004-01-07T05:05:58			
Read mode	TIMED	TIMED			

2.3 Aspect



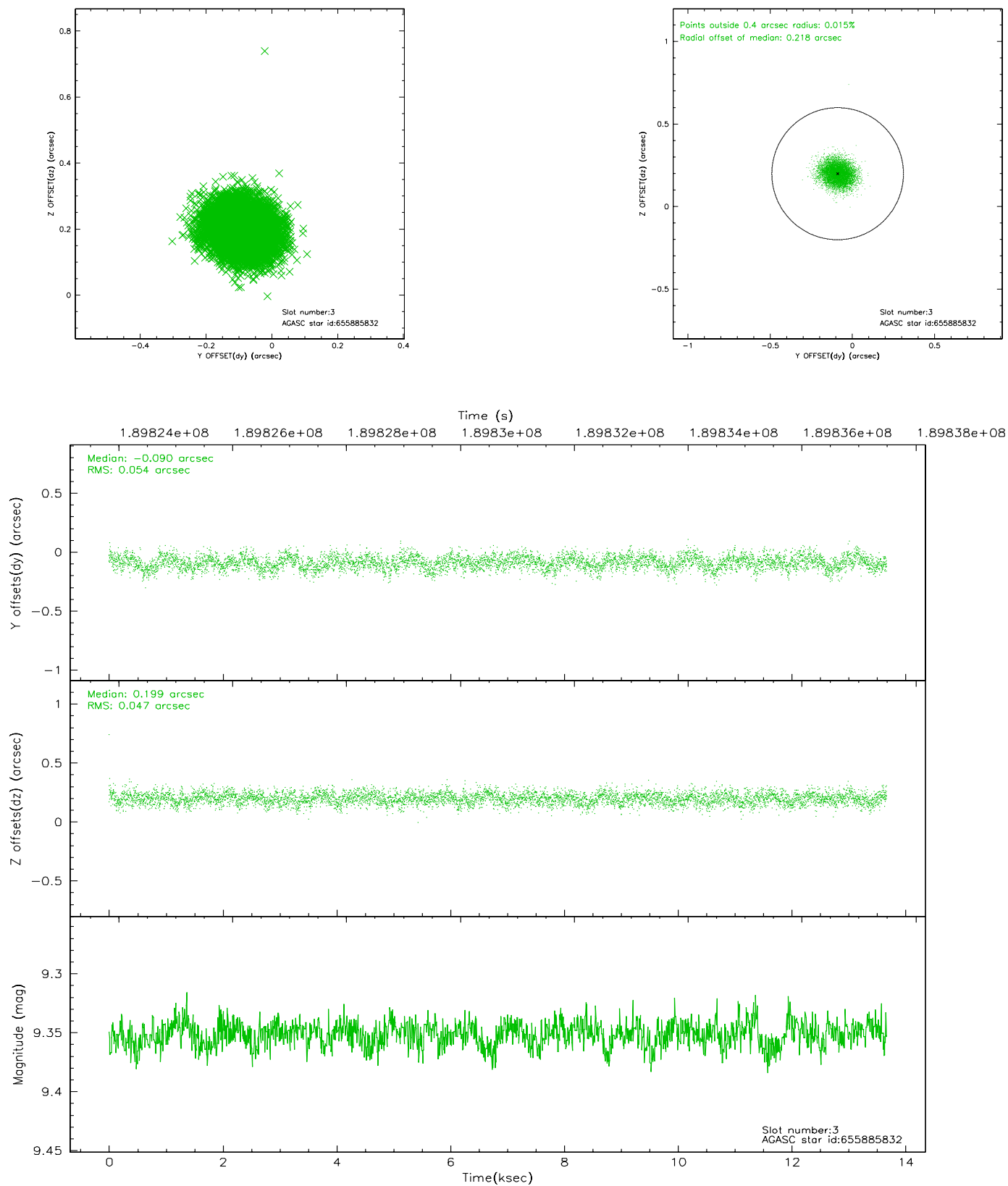


Slot Statistics

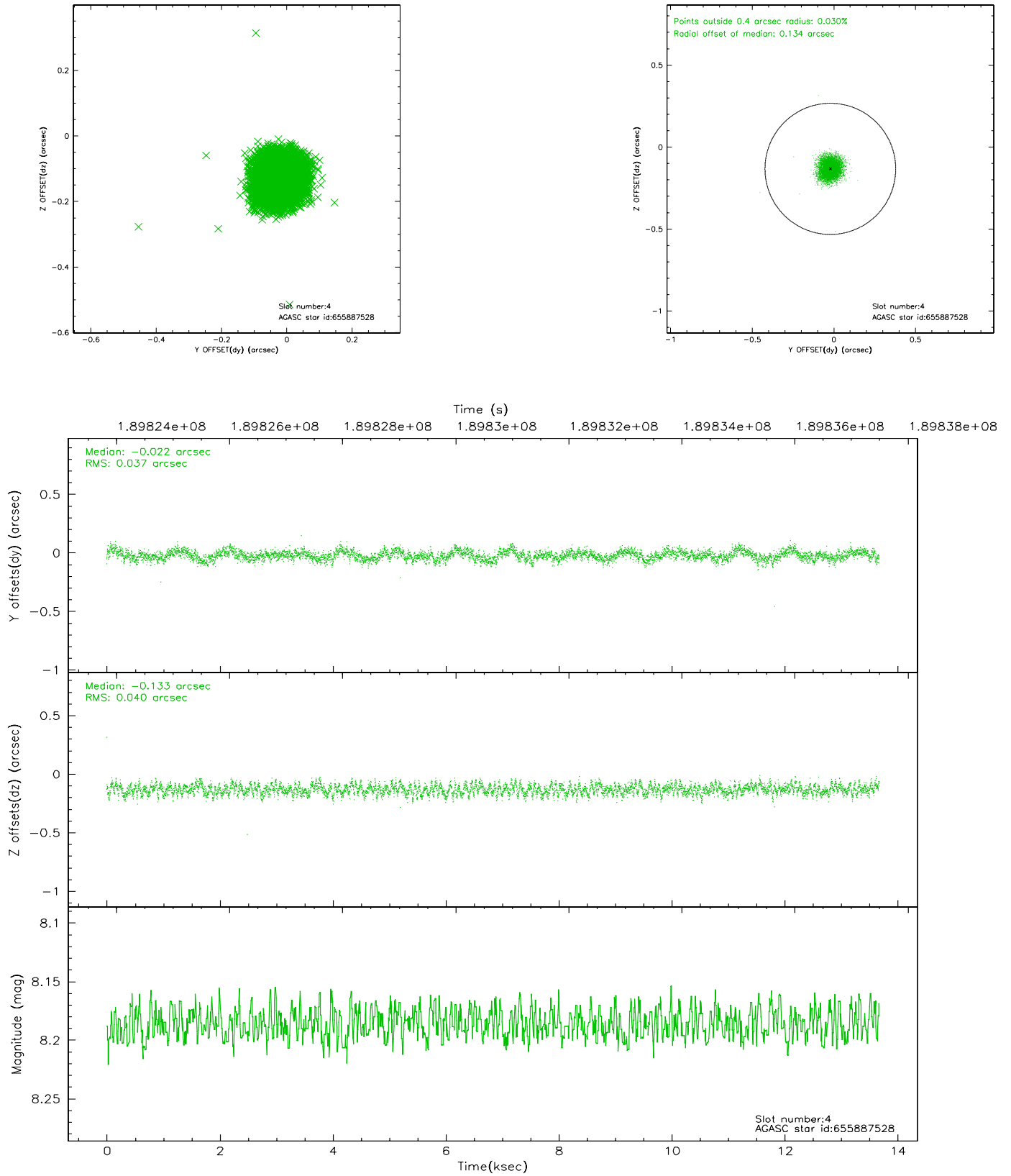
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	3335	0.004	0.023	0.007	0.013	0.000000	0.000000	932.84	-834.73
1	FID	ACIS-I-5	7.23	3334	-0.104	0.043	0.007	0.012	0.000000	0.000000	-1815.14	1062.67
2	FID	ACIS-I-6	7.25	3335	0.008	0.005	0.007	0.011	0.000000	0.000000	398.07	1707.48
3	GUIDE	655885832	9.35	6669	-0.090	0.199	0.077	0.122	226.255485	-2.527966	1308.44	-258.46
4	GUIDE	655887528	8.19	6669	-0.022	-0.133	0.058	0.092	225.707931	-2.599687	272.05	1435.62
5	GUIDE	655887976	8.61	6670	0.265	-0.098	0.065	0.109	225.483318	-3.038087	-1498.08	1531.24
6	GUIDE	655888504	9.27	6667	-0.230	0.083	0.085	0.142	226.393678	-2.410162	1897.53	-540.22
7	GUIDE	655891488	6.96	6670	0.076	-0.054	0.059	0.099	225.686953	-3.031386	-1178.17	872.29

2.4 Star Slots

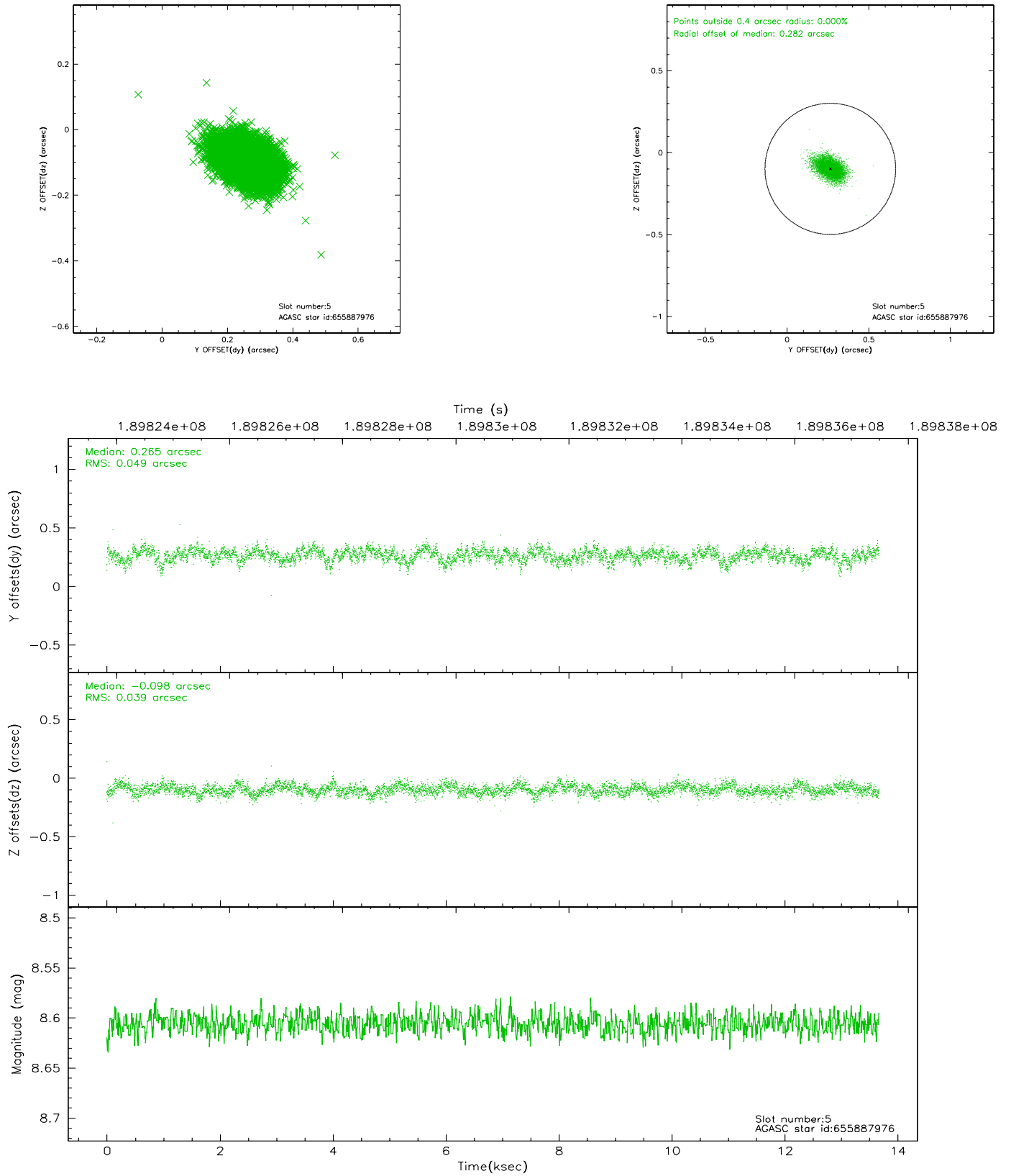
2.4.1 Slot 3



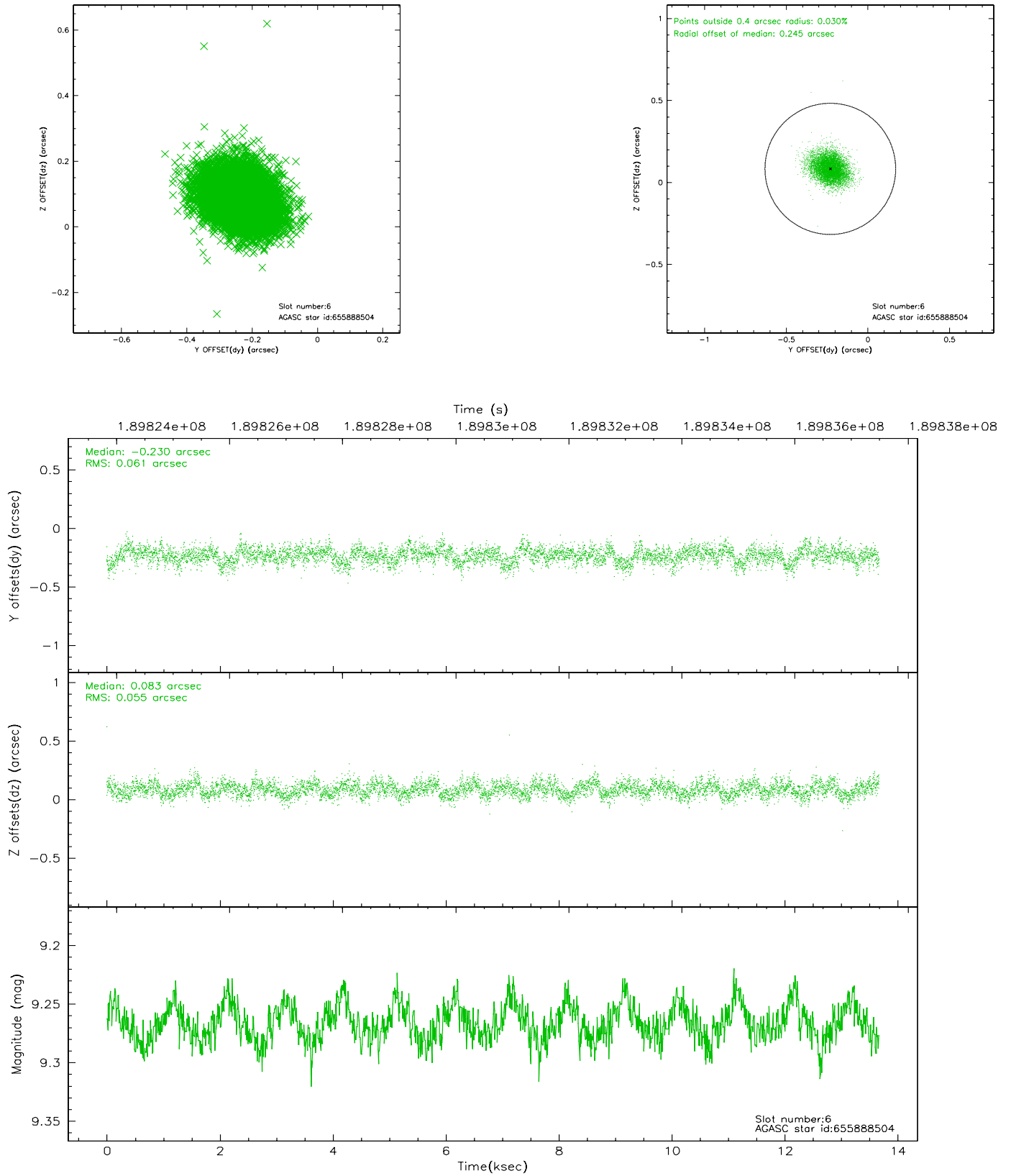
2.4.2 Slot 4



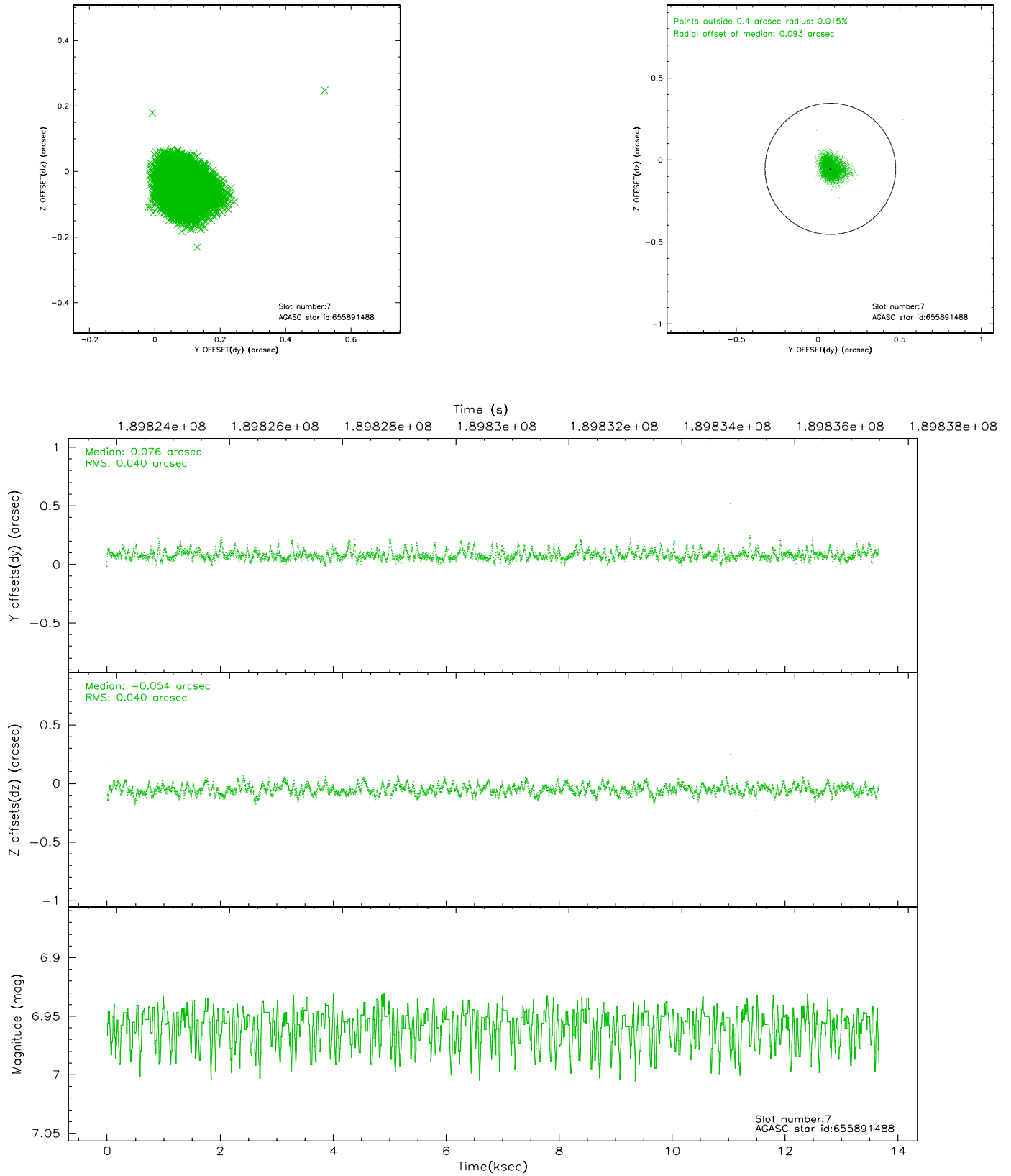
2.4.3 Slot 5



2.4.4 Slot 6

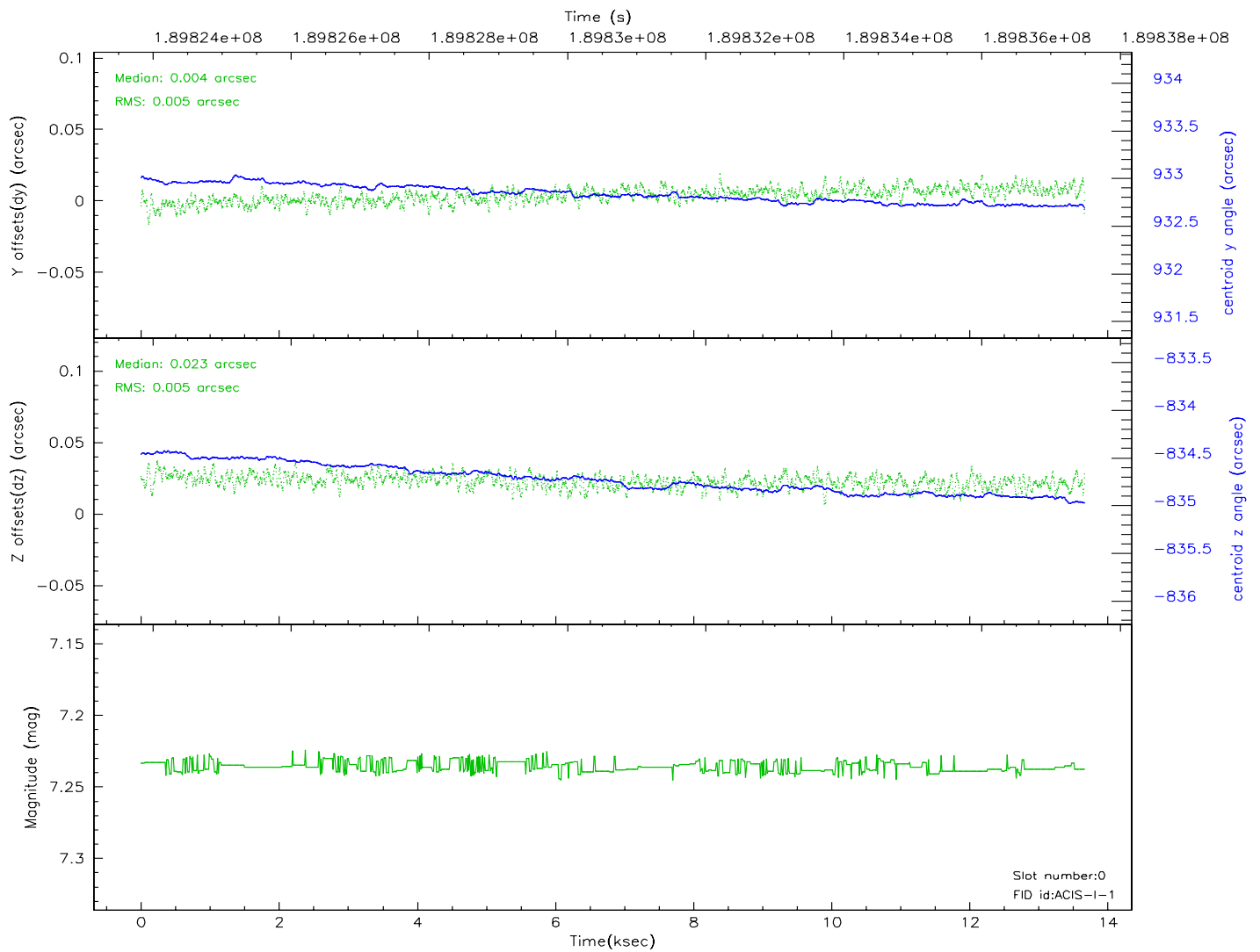
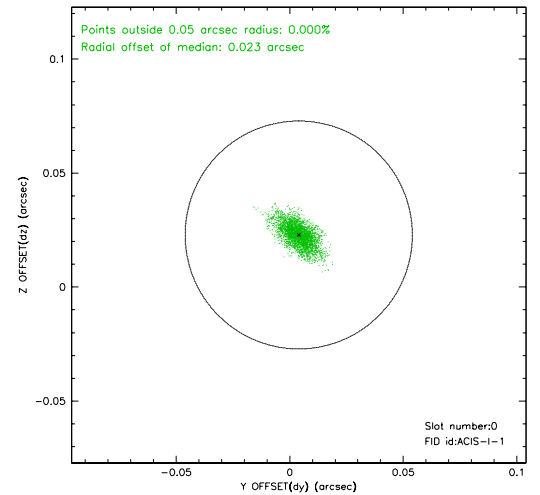
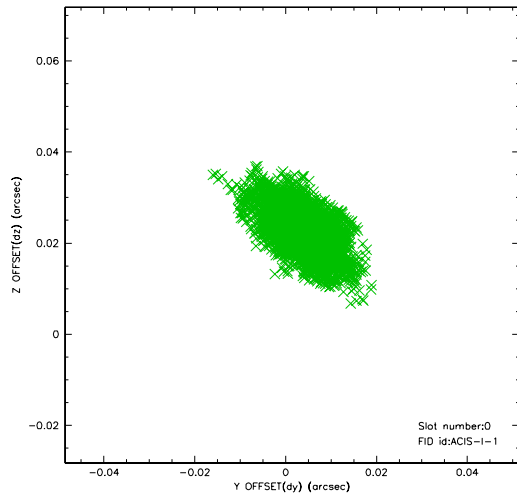


2.4.5 Slot 7

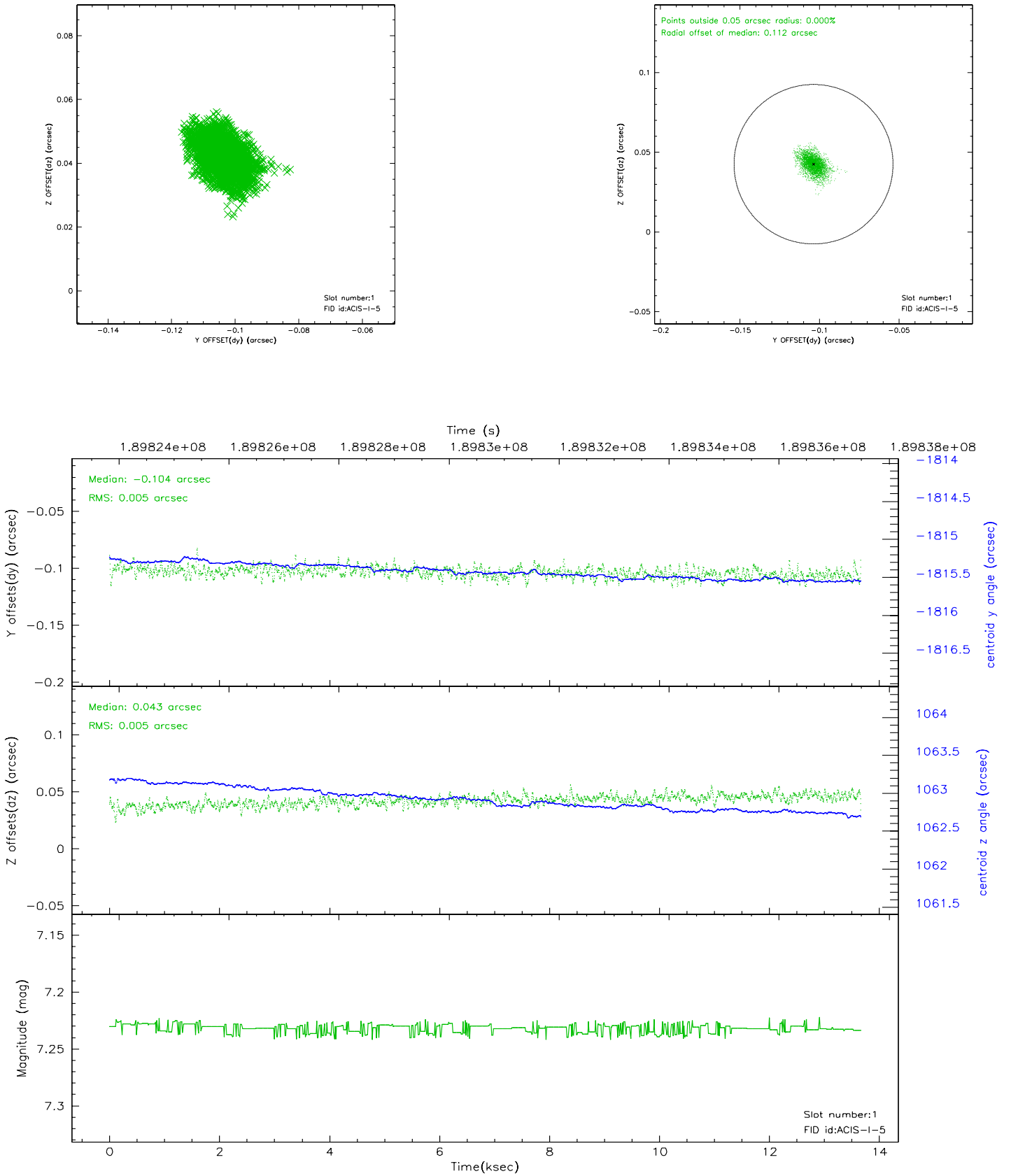


2.5 FID Slots

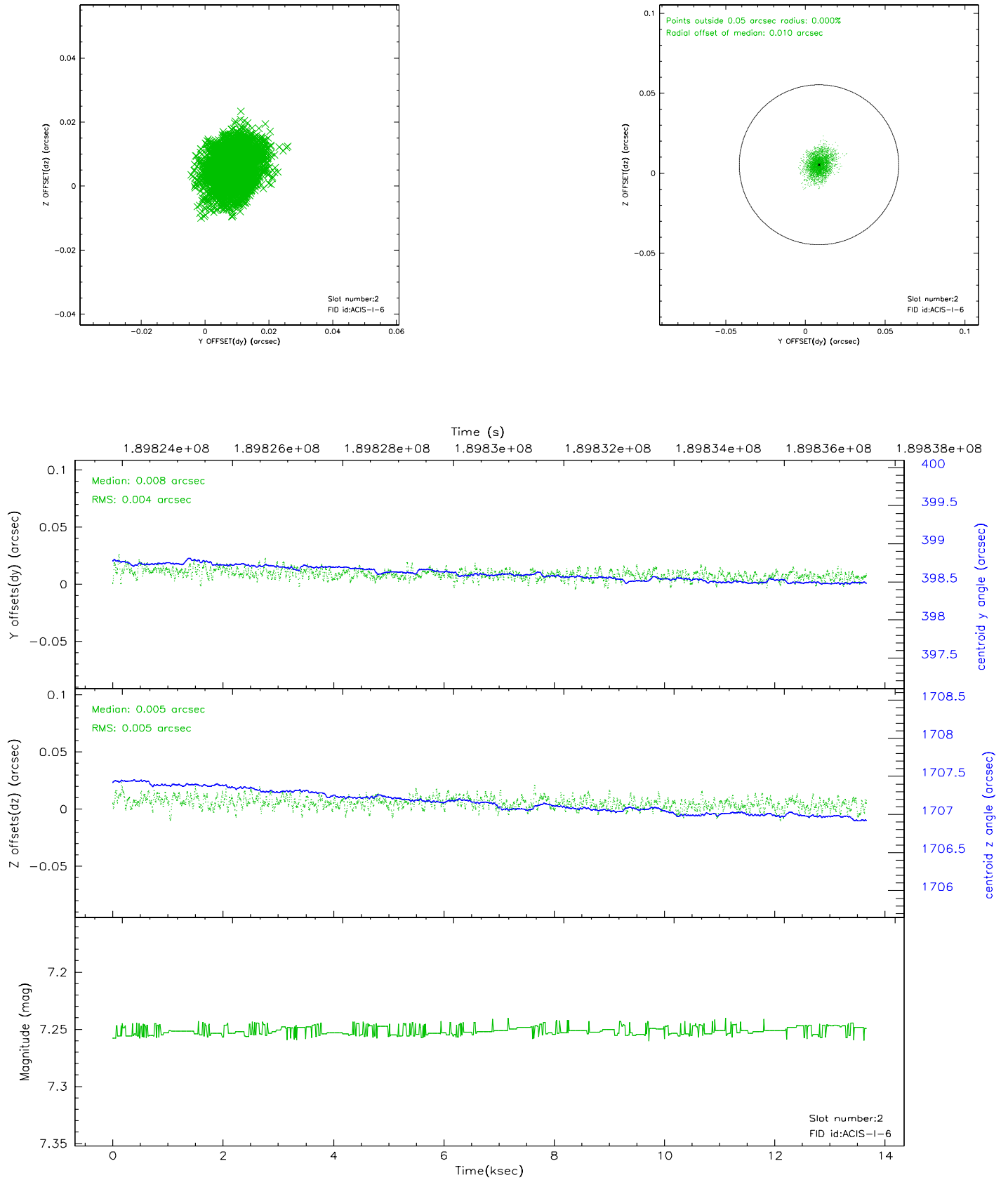
2.5.1 Slot 0



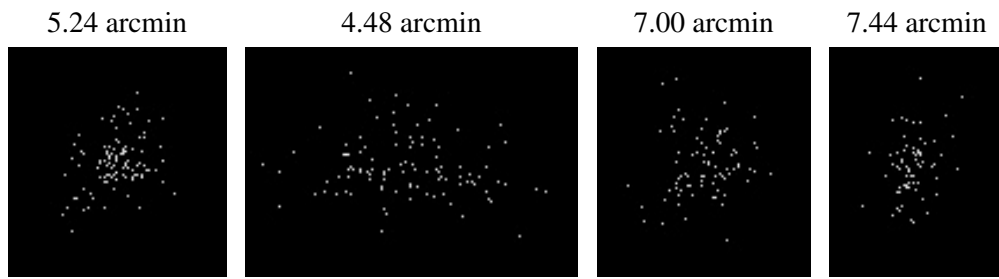
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2006.06.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	13.468

A.2 Comments

Centroid of x-ray emission offset from requested coordinates to the west by about 15 arcsec. Some x-ray flux at the edge of the extended source falls on the gaps between the chips and has been dithered over these gaps.