

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 905 - L2 Version 001
Chandra X-Ray Center

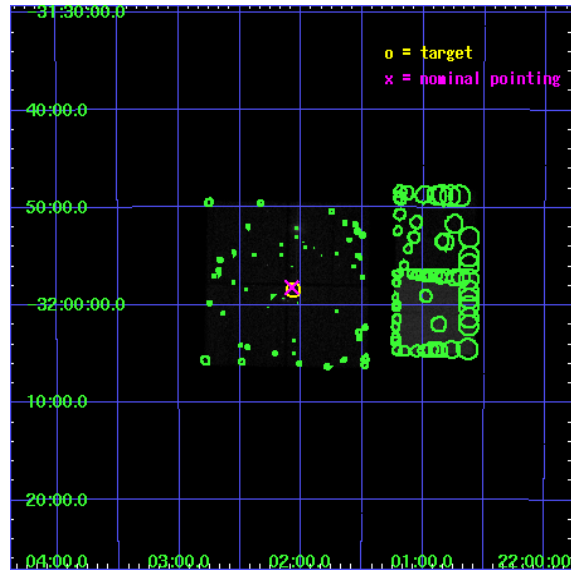
L2 Processing Date : May 27 2007

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1 Front

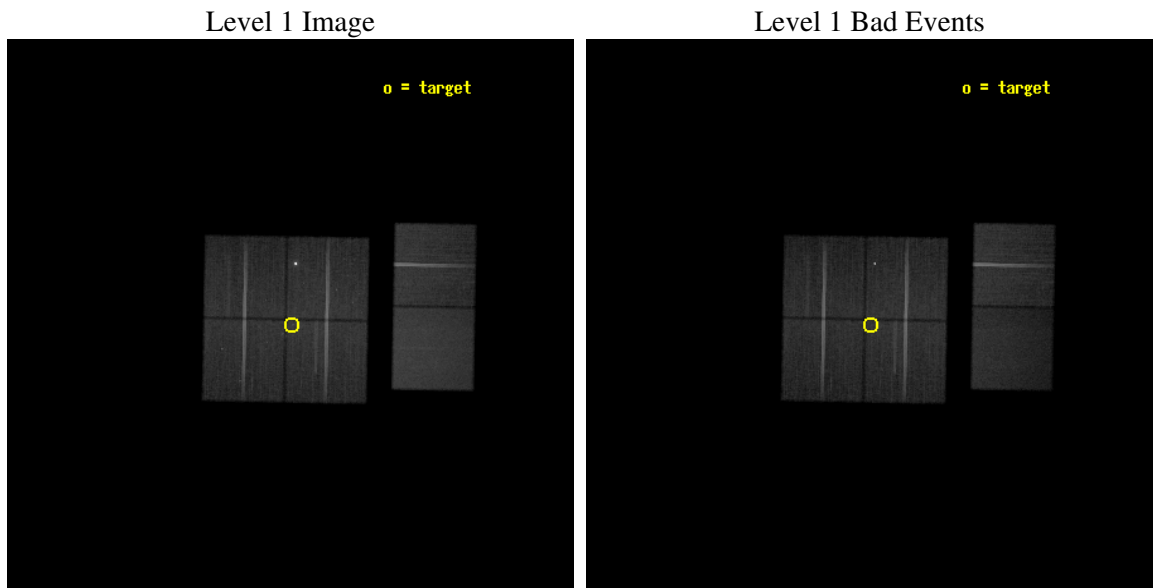
seq_num	800081
obs_id	905
title	HCG 90: THE FORMATION OF THE X-RAY MEDIUM?
observer	Prof. Gregory Bothun
object	HCG 90
dtcycle	0
cycle	P
ra_targ	330.51667
dec_targ	-31.975
ra_nom	330.51884858098
dec_nom	-31.970424650626
roll_nom	91.042347922176
revision	3
ontime	50166.400046721
livetime	49531.16288275
ontime0	50166.400046721
ontime1	50159.918066412
ontime2	50163.159056544
ontime3	50166.400046721
ontime6	50163.159056574
ontime7	50166.400046721
l2events	374586



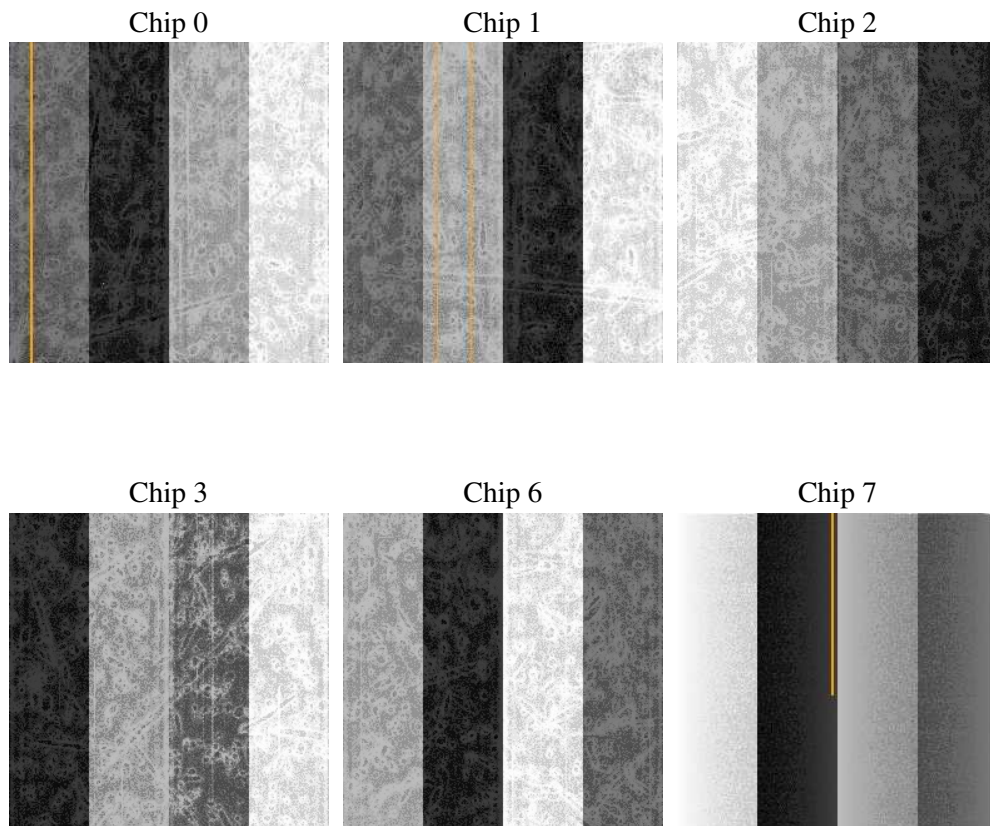
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.10
caldsver	3.4.0
date	2007-05-27T20:33:29
revision	3

sched_exp_time	50000.000000
ontime	50166.400046721
ontime0	50166.400046721
ontime1	50159.918066412
ontime2	50163.159056544
ontime3	50166.400046721
ontime6	50163.159056574
ontime7	50166.400046721
l1events	2128006

2.1.4 Events

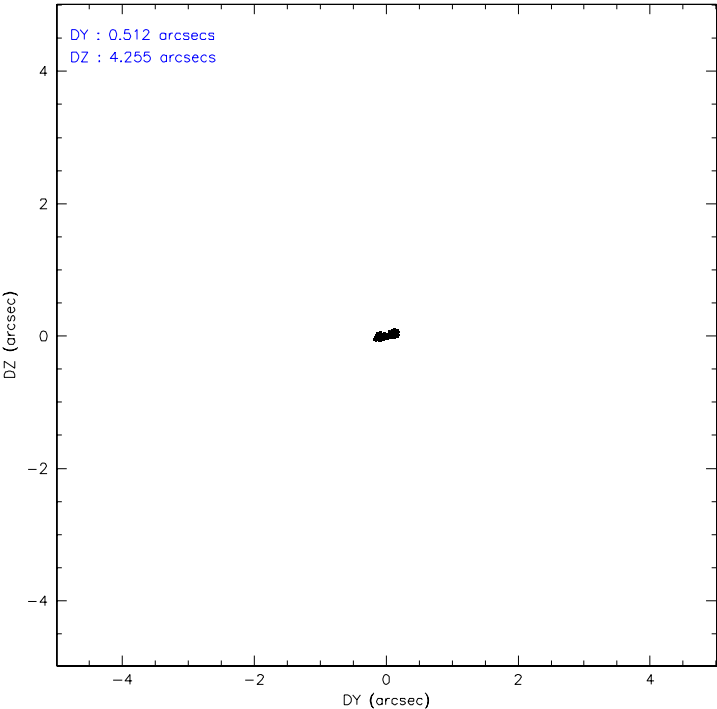
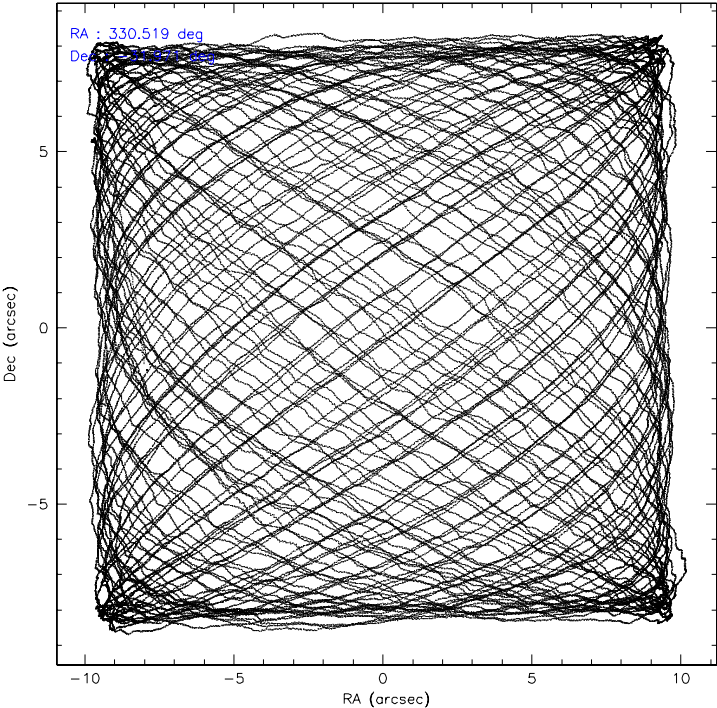
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	310497	316058	407095	343179	353124	398053
rejected events	272978	276333	315279	306062	316519	233360
rejected %	87%	87%	77%	89%	89%	58%

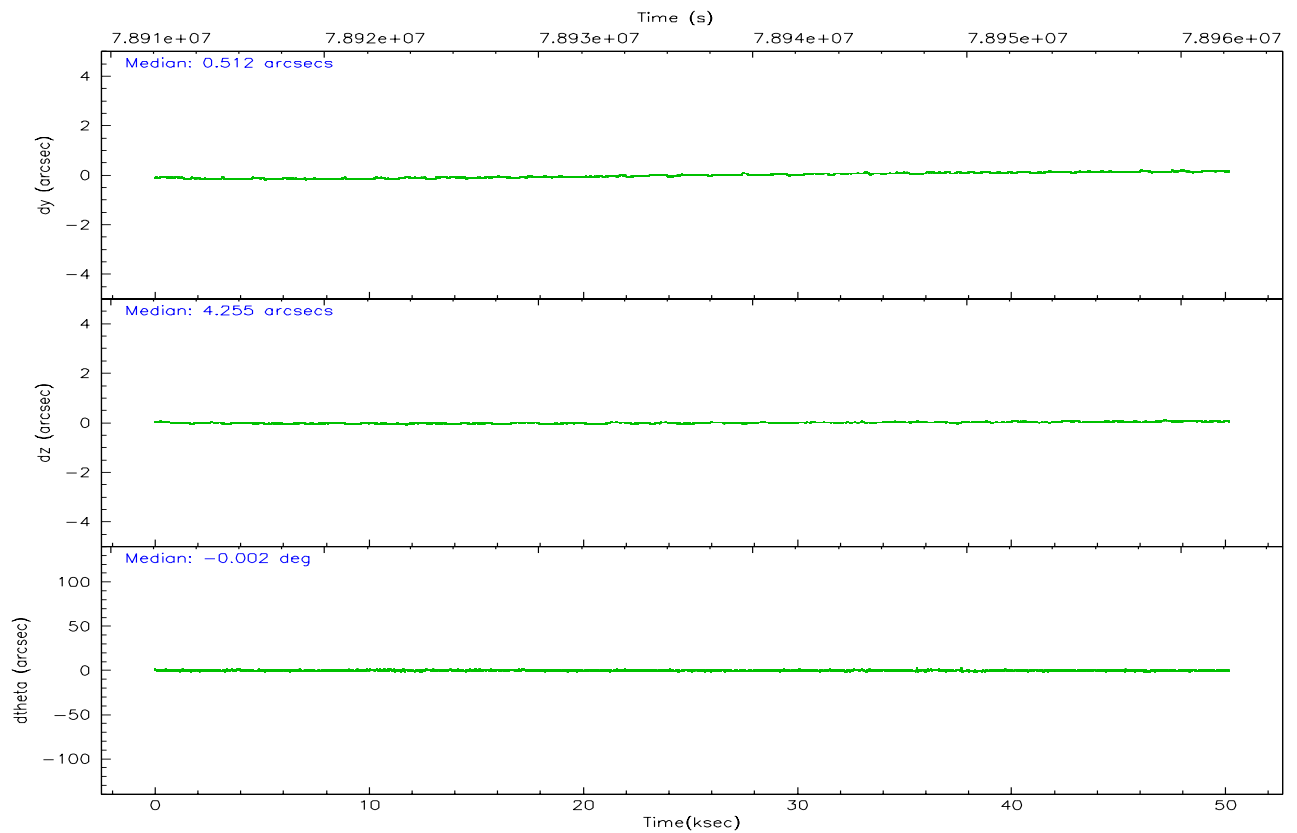
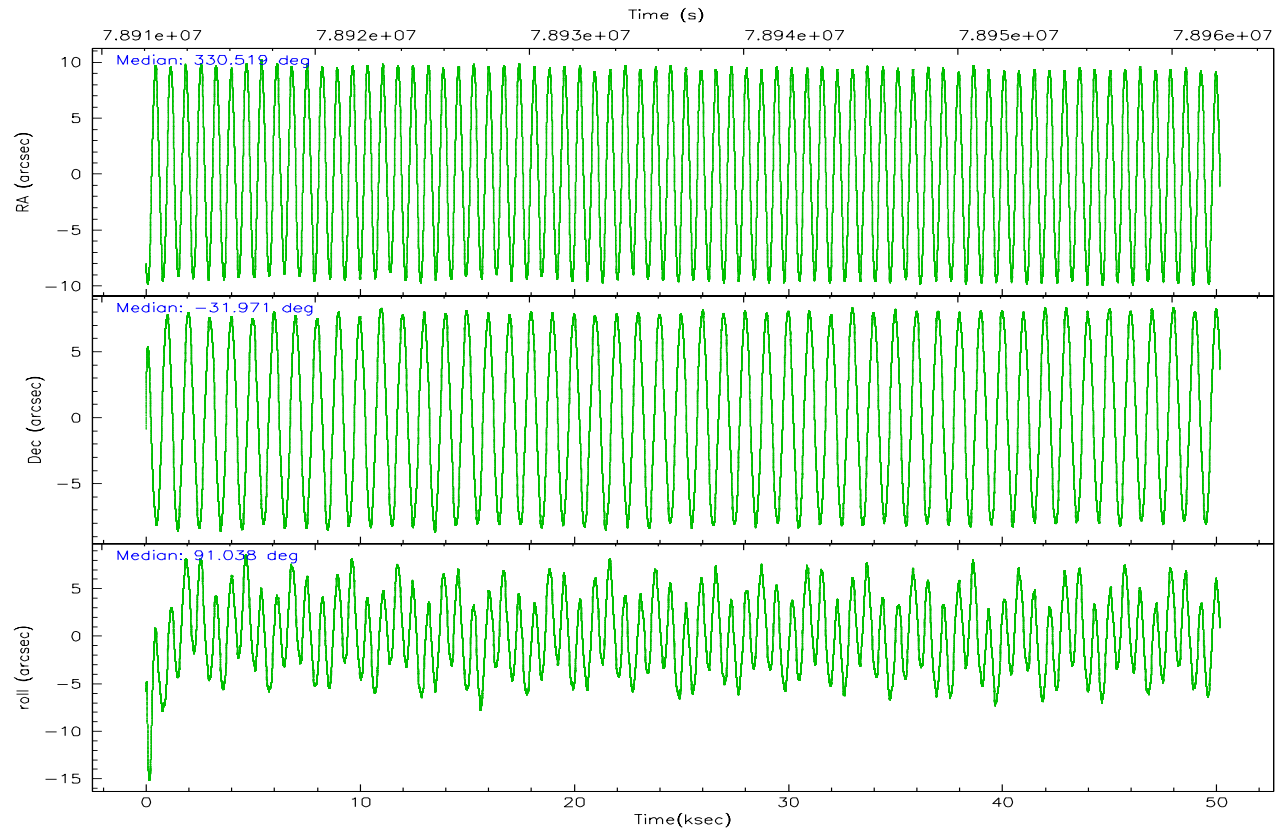
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	16770	17409	49633	17089	15314	16217
	5%	5%	12%	4%	4%	4%
grade 1 events	149	145	2431	152	149	391
	0%	0%	0%	0%	0%	0%
grade 2 events	7612	7713	16845	6920	7122	32604
	2%	2%	4%	2%	2%	8%
grade 3 events	3774	4136	6865	3734	3806	15417
	1%	1%	1%	1%	1%	3%
grade 4 events	3507	3947	6943	3588	3676	15245
	1%	1%	1%	1%	1%	3%
grade 5 events	10848	11529	12351	11629	13193	38153
	3%	3%	3%	3%	3%	9%
grade 6 events	6278	7011	12140	6190	7104	87143
	2%	2%	2%	1%	2%	21%
grade 7 events	261559	264168	299887	293877	302760	192883
	84%	83%	73%	85%	85%	48%

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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	330.535468	330.5188485809775	Subarray requested	NONE	NONE
Pointing Dec	-31.994102	-31.97042465062607	Alternating exposures requested	N	N
Pointing Roll	90.842463	91.04234792217584	Primary exposure time	3.200000	3.2
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	78912245.184000	78910890.993957			
Observation start date	2000-07-02T08:03:01	2000-07-02T07:41:30			
Observation end time	78962245.184000	78963152.670884			
Observation end date	2000-07-02T21:56:21	2000-07-02T22:12:32			
Read mode	TIMED	TIMED			

2.3 Aspect



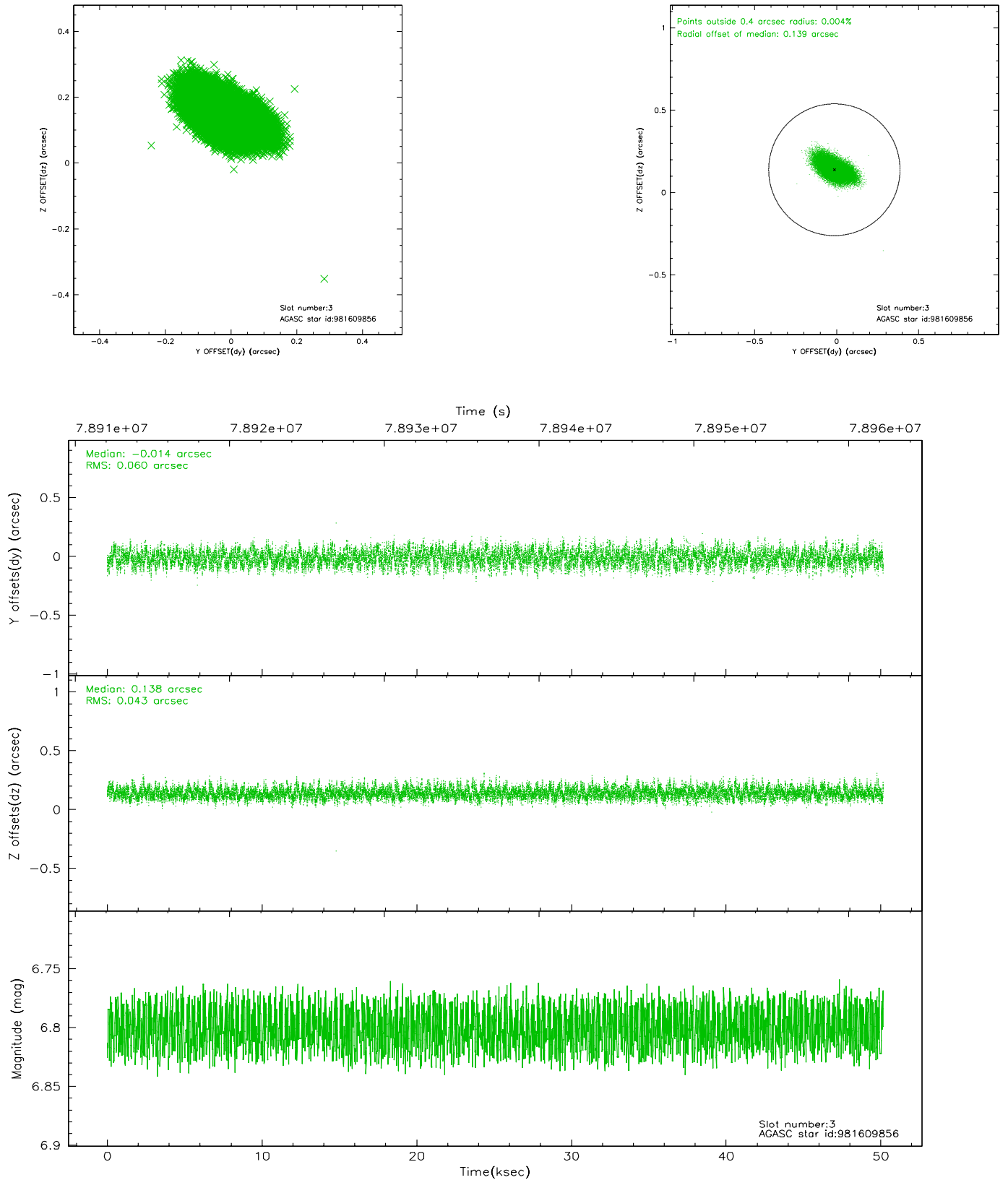


Slot Statistics

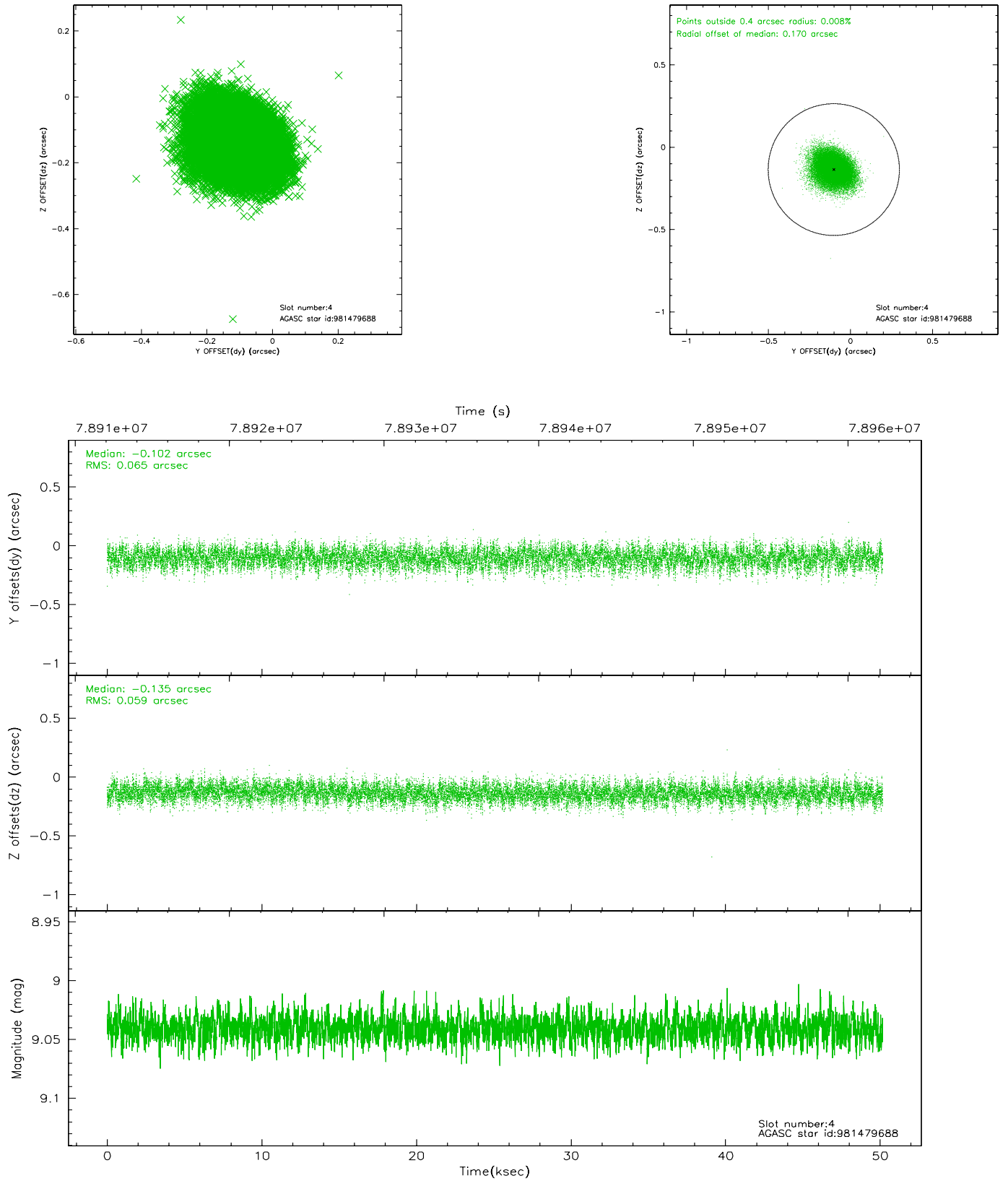
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.15	12236	-0.023	0.002	0.011	0.020	0.000000	0.000000	-754.84	-833.94
1	FID	ACIS-I-4	7.20	12234	-0.064	0.022	0.012	0.038	0.000000	0.000000	2159.19	1072.26
2	FID	ACIS-I-5	7.23	12235	-0.016	0.045	0.013	0.027	0.000000	0.000000	-1808.69	1070.11
3	GUIDE	981609856	6.80	24473	-0.014	0.138	0.077	0.132	330.637350	-32.133750	-506.96	-303.11
4	GUIDE	981479688	9.04	24463	-0.102	-0.135	0.094	0.151	329.914943	-31.740594	935.18	1886.12
5	GUIDE	981608816	9.12	24459	-0.118	-0.029	0.082	0.140	330.447898	-31.449883	1963.14	240.26
6	GUIDE	981607328	9.24	24462	0.140	0.096	0.085	0.139	330.943527	-32.356075	-1322.84	-1221.68
7	GUIDE	981612136	9.41	24453	0.092	-0.071	0.088	0.147	330.454781	-32.060593	-235.37	249.48

2.4 Star Slots

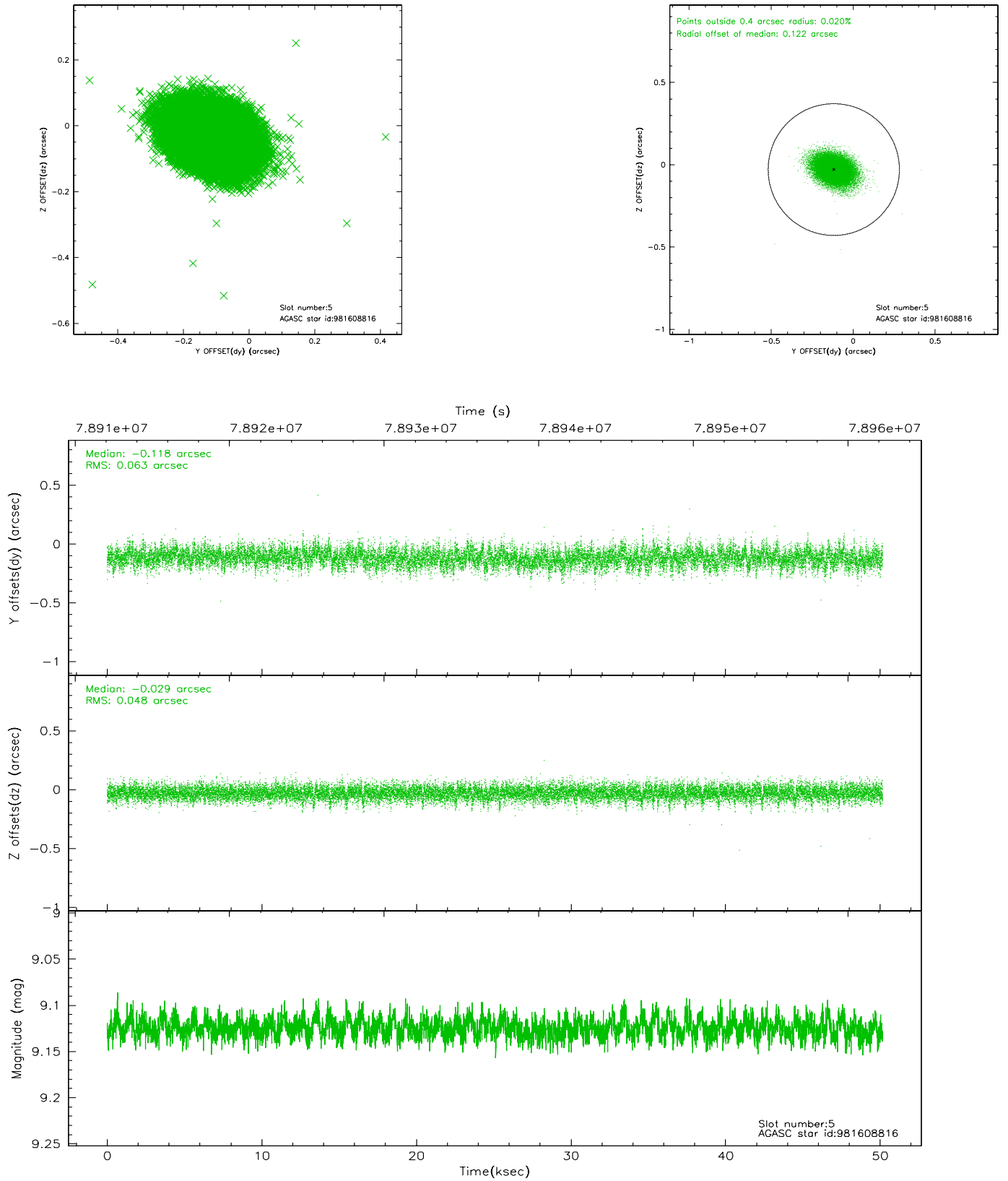
2.4.1 Slot 3



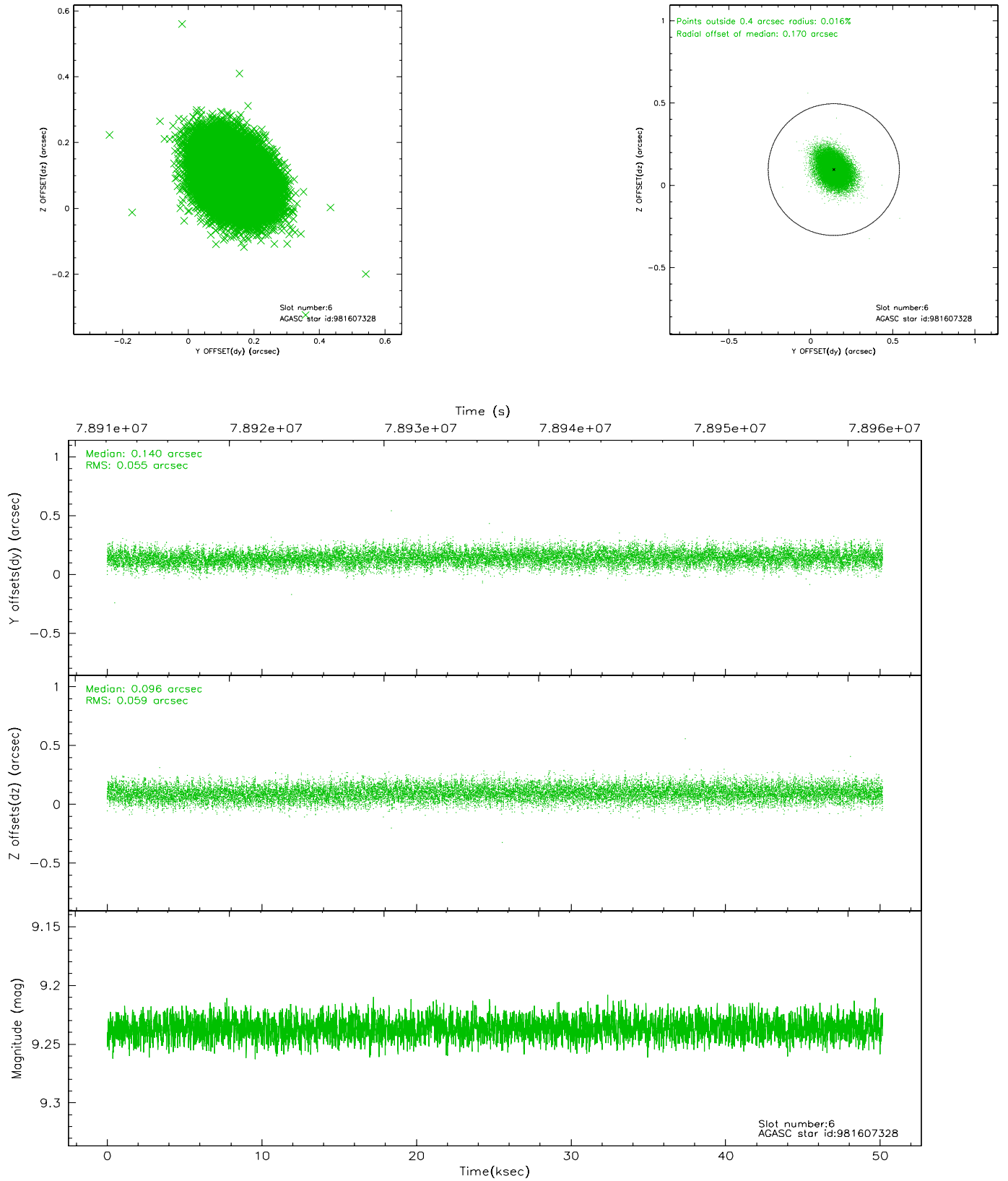
2.4.2 Slot 4



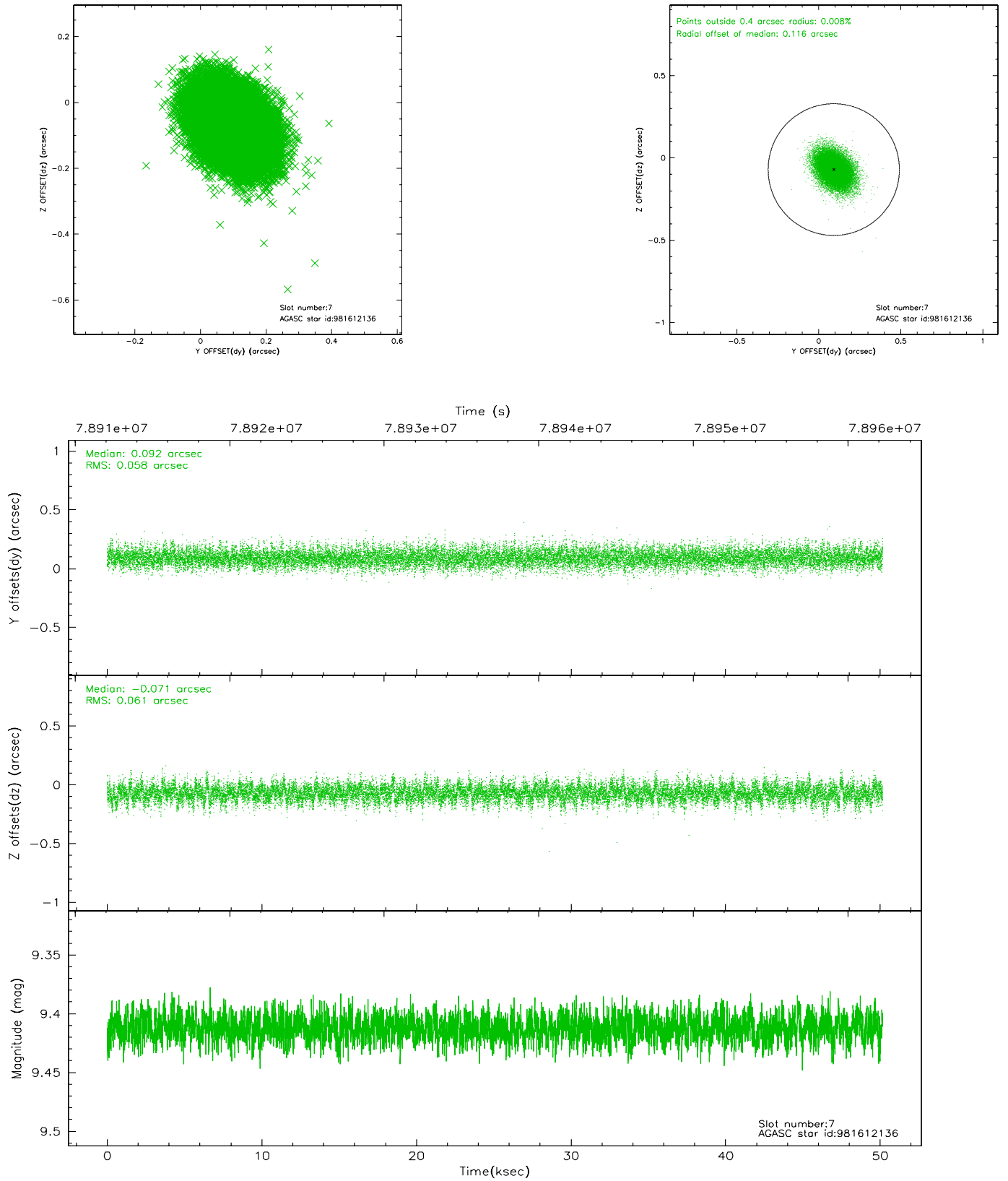
2.4.3 Slot 5



2.4.4 Slot 6

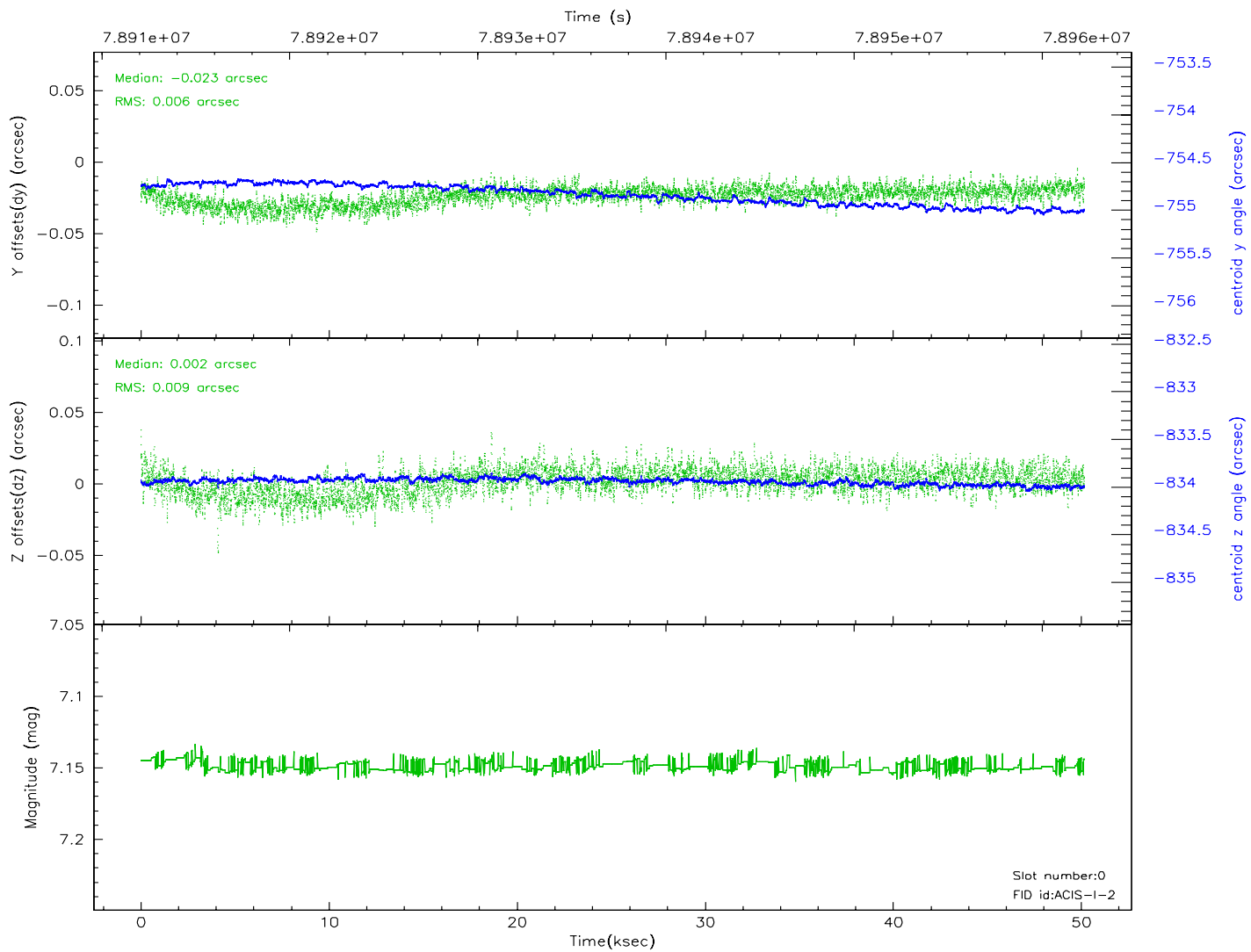
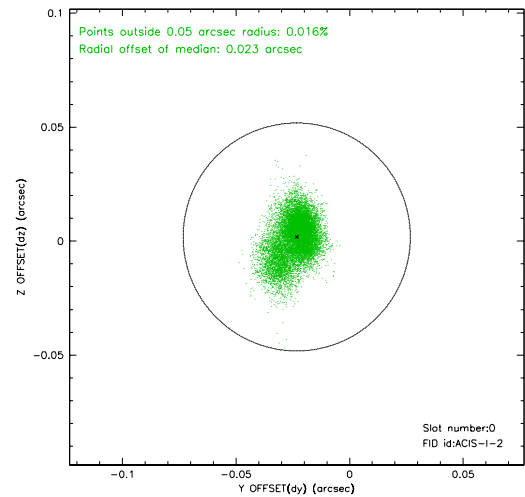
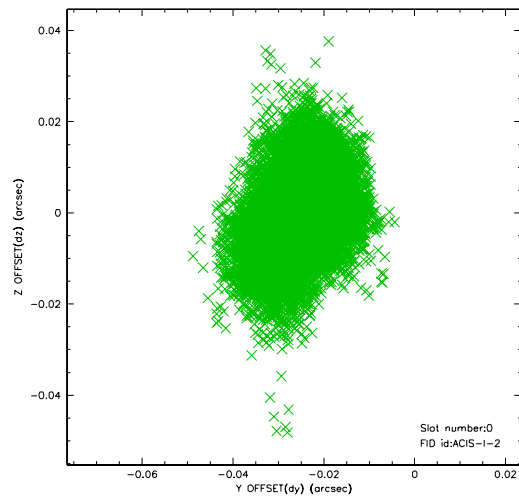


2.4.5 Slot 7

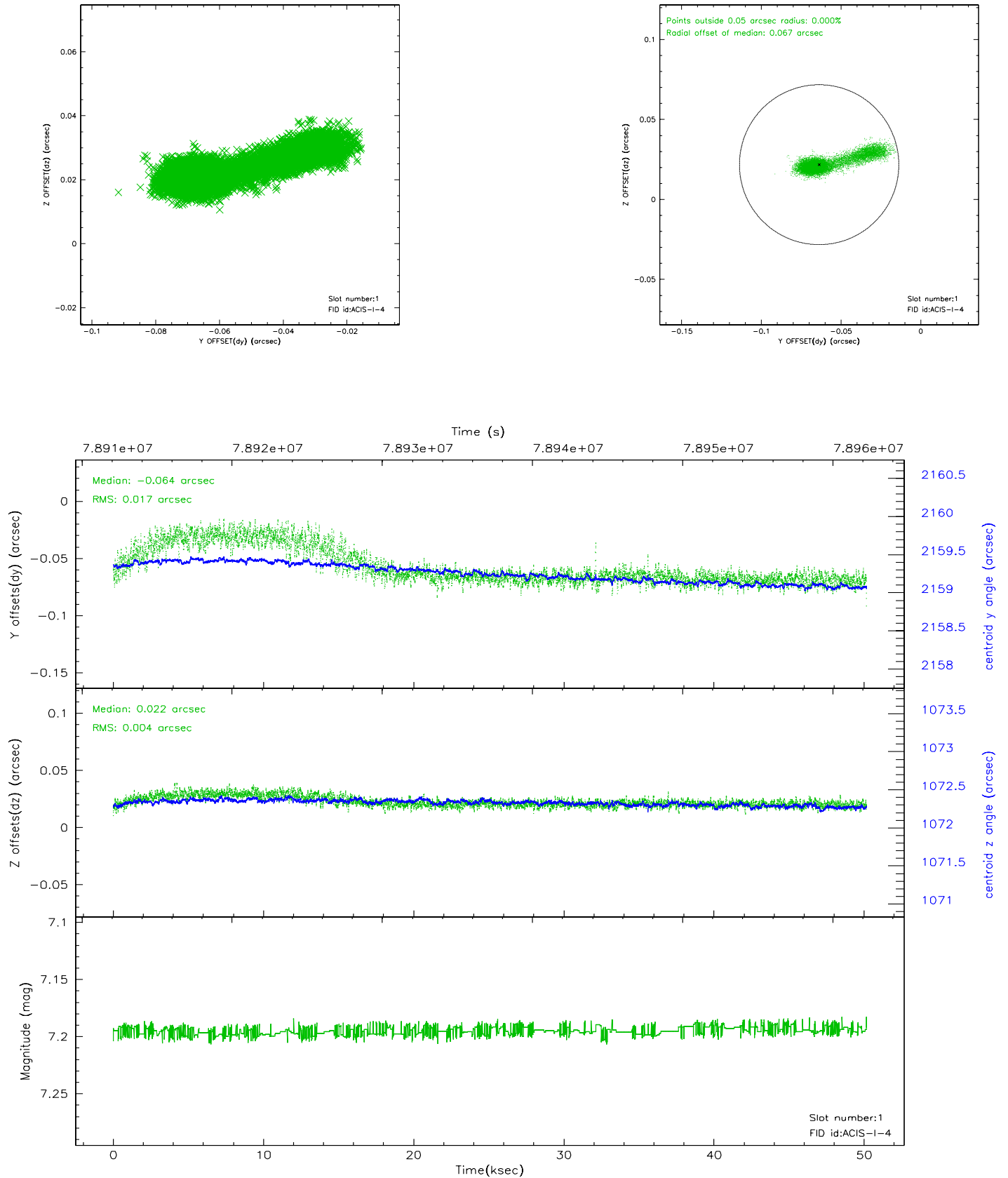


2.5 FID Slots

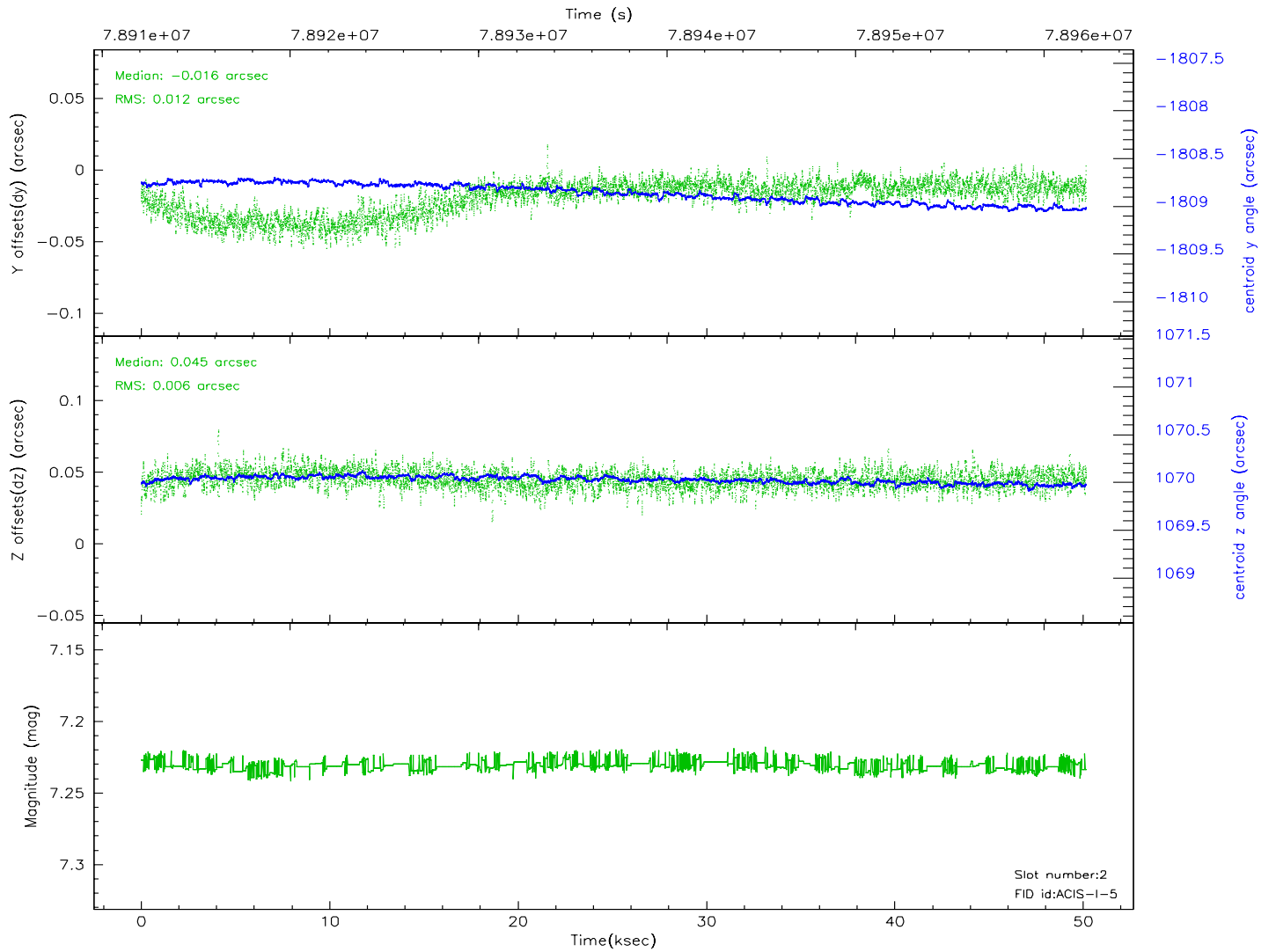
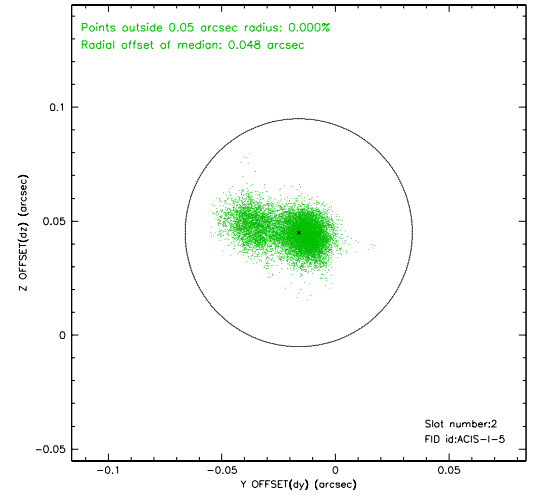
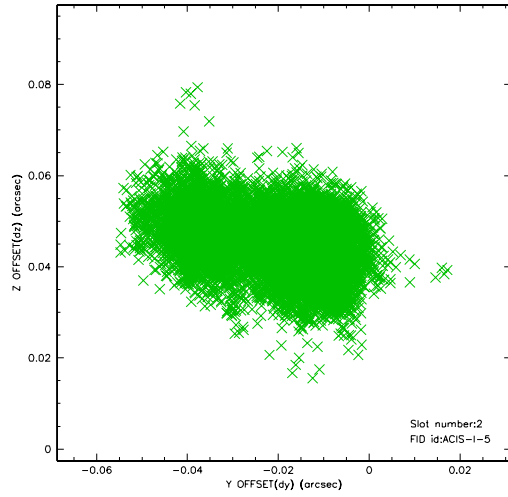
2.5.1 Slot 0



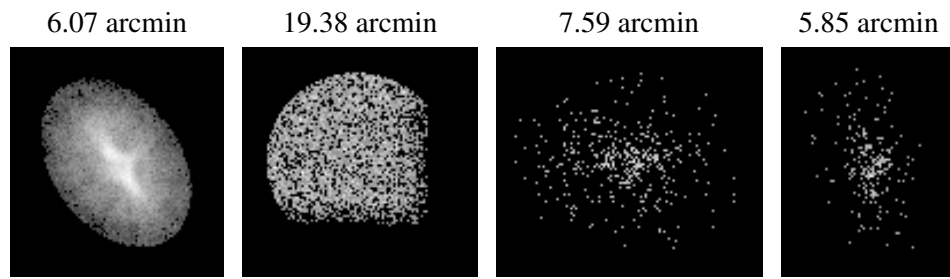
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.05.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	50.163

A.2 Comments