

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 3528 - L2 Version 001
Chandra X-Ray Center

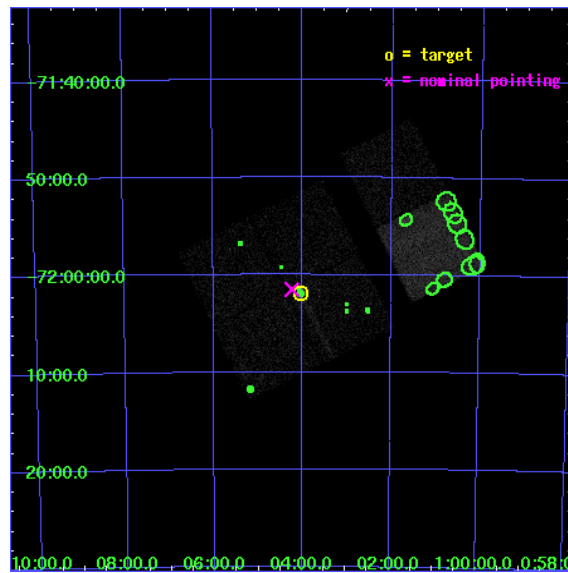
L2 Processing Date : Jul 10 2006

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1 Front

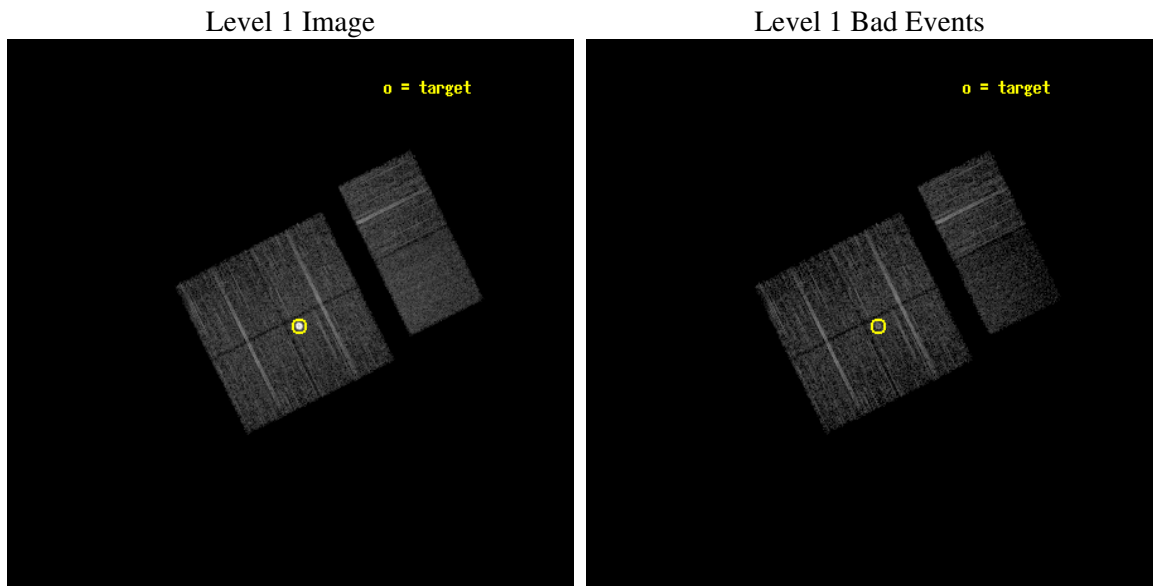
seq_num	590283
obs_id	3528
title	AO4B ACIS-I CALIBRATION OBSERVATIONS OF E0102-72
observer	Dr. CXC Calibration
object	E0102-72[I3,-120,-0.5,0.5,0]
dtcycle	0
cycle	P
ra_targ	16.01
dec_targ	-72.032028
ra_nom	16.057585339031
dec_nom	-72.025274582082
roll_nom	63.683617912923
revision	2
ontime	7961.5590000451
livetime	7860.7449461112
ontime0	7964.7999703288
ontime1	7964.7999703288
ontime2	7958.3179899752
ontime3	7961.5590000451
ontime6	7964.7999703288
ontime7	7964.7999703288
l2events	60764



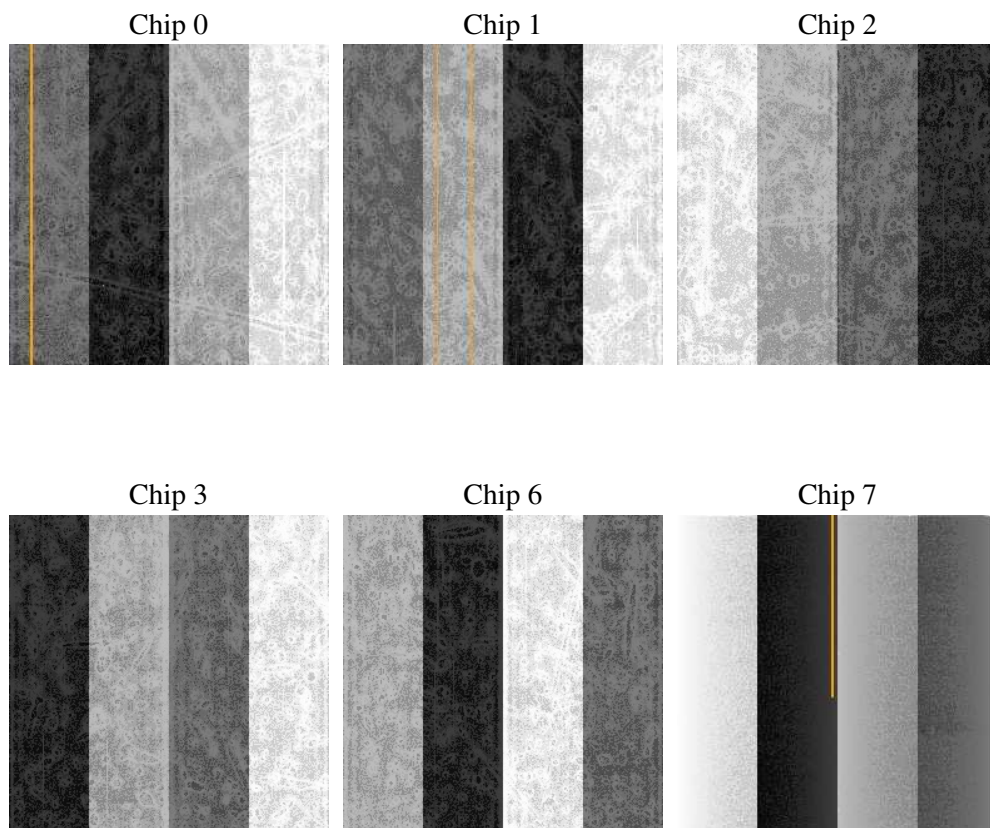
2 OBI

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	2006-07-11T02:22:32
revision	2

sched_exp_time	8000.000000
ontime	7966.3874904215
ontime0	7969.6284607053
ontime1	7969.6284307837
ontime2	7963.1464504302
ontime3	7966.3874904215
ontime6	7969.6284307837
ontime7	7969.6284607053
l1events	257215

2.1.4 Events

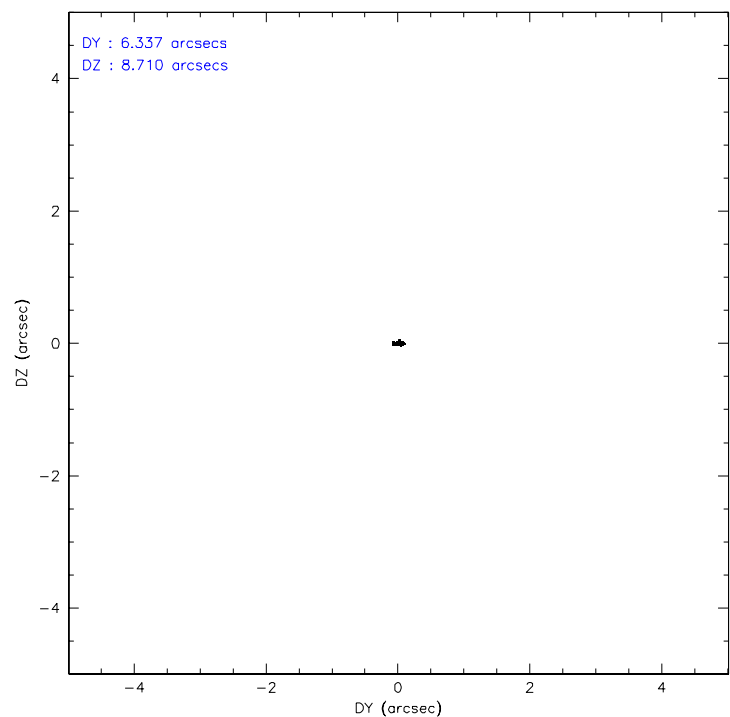
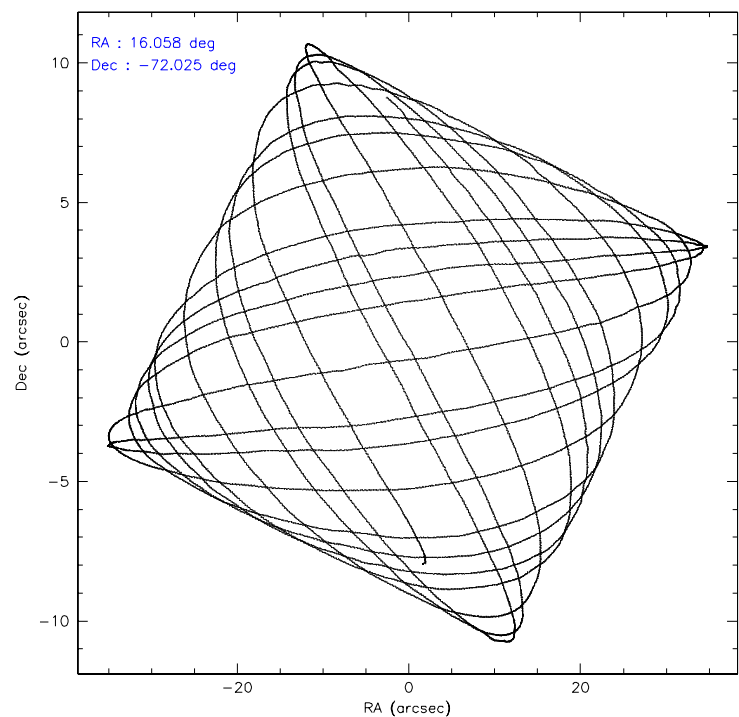
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	35879	37396	41064	65073	40886	36917
rejected events	31733	32743	37212	34402	36927	19375
rejected %	88%	87%	90%	52%	90%	52%

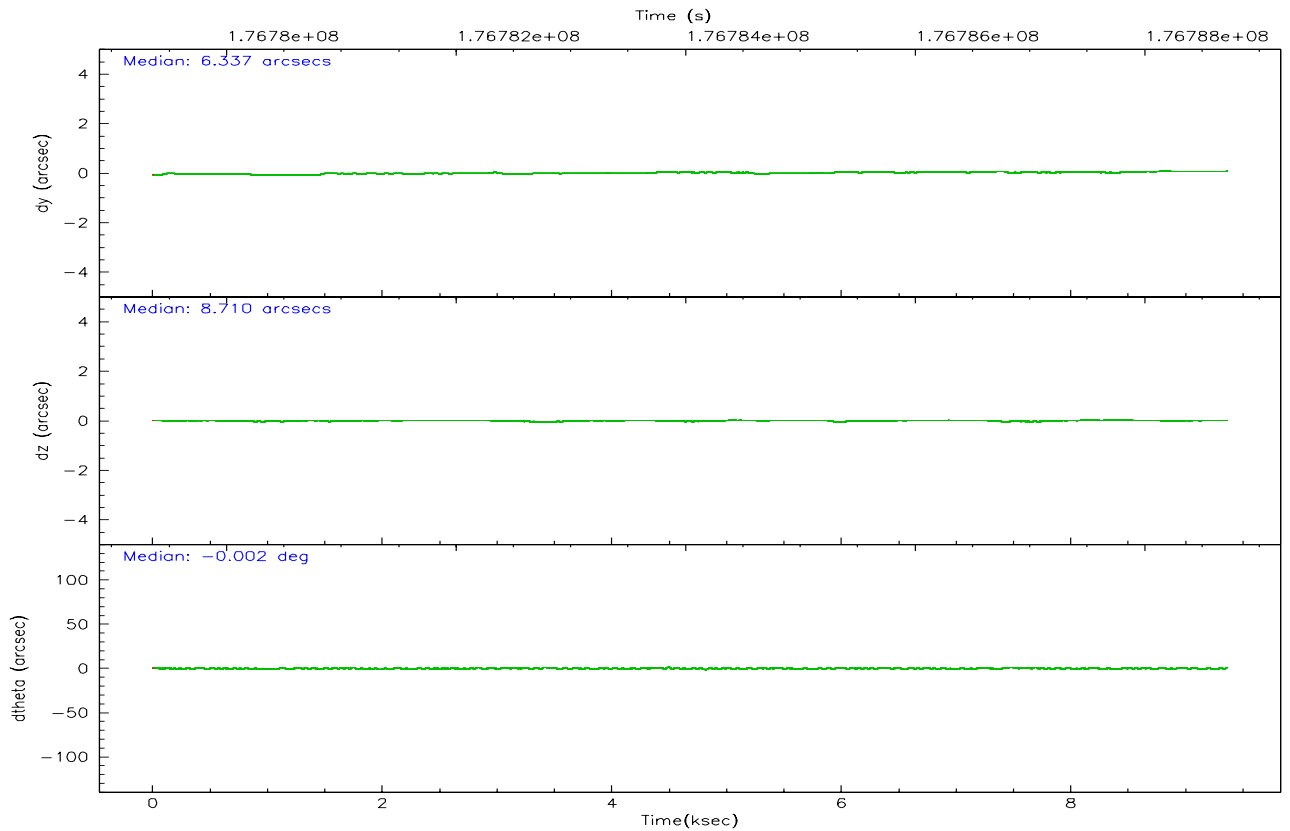
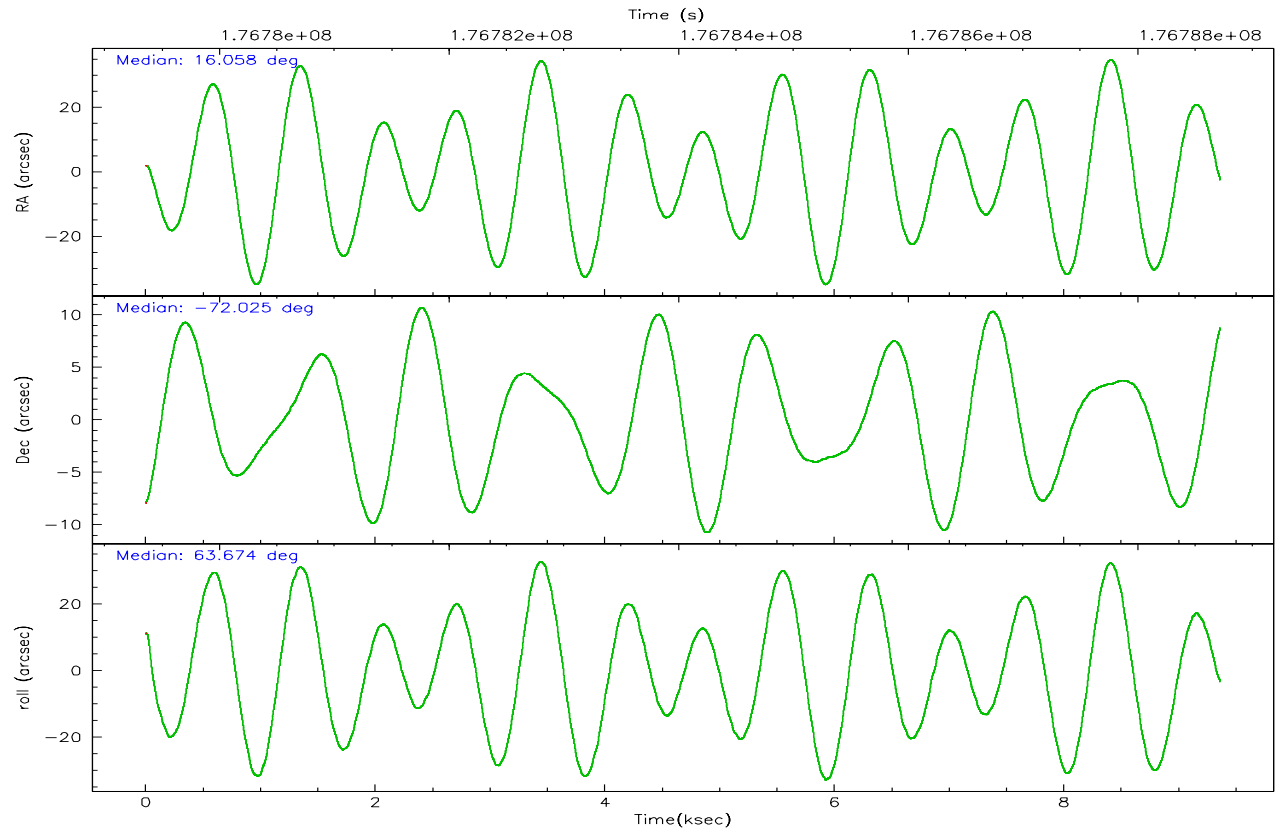
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	1648	1975	1552	25708	1495	1407
	4%	5%	3%	39%	3%	3%
grade 1 events	18	20	28	289	22	19
	0%	0%	0%	0%	0%	0%
grade 2 events	906	905	832	2573	810	4454
	2%	2%	2%	3%	1%	12%
grade 3 events	484	482	398	801	434	1158
	1%	1%	0%	1%	1%	3%
grade 4 events	394	479	395	812	431	1140
	1%	1%	0%	1%	1%	3%
grade 5 events	1086	1212	1049	1397	1382	2897
	3%	3%	2%	2%	3%	7%
grade 6 events	716	817	679	806	793	9400
	1%	2%	1%	1%	1%	25%
grade 7 events	30627	31506	36131	32687	35519	16442
	85%	84%	87%	50%	86%	44%

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	16.063701	16.05758533903121	Alternating exposures requested	N	N
Pointing Dec	-72.052606	-72.02527458208161	Primary exposure time	0.000000	3.2
Pointing Roll	63.480730	63.6836179129233			
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	176780723.184000	176779177.7082			
Observation start date	2003-08-09T01:44:19	2003-08-09T01:19:37			
Observation end time	176788723.184000	176788857.29611			
Observation end date	2003-08-09T03:57:39	2003-08-09T04:00:57			
Read mode	TIMED	TIMED			

2.3 Aspect



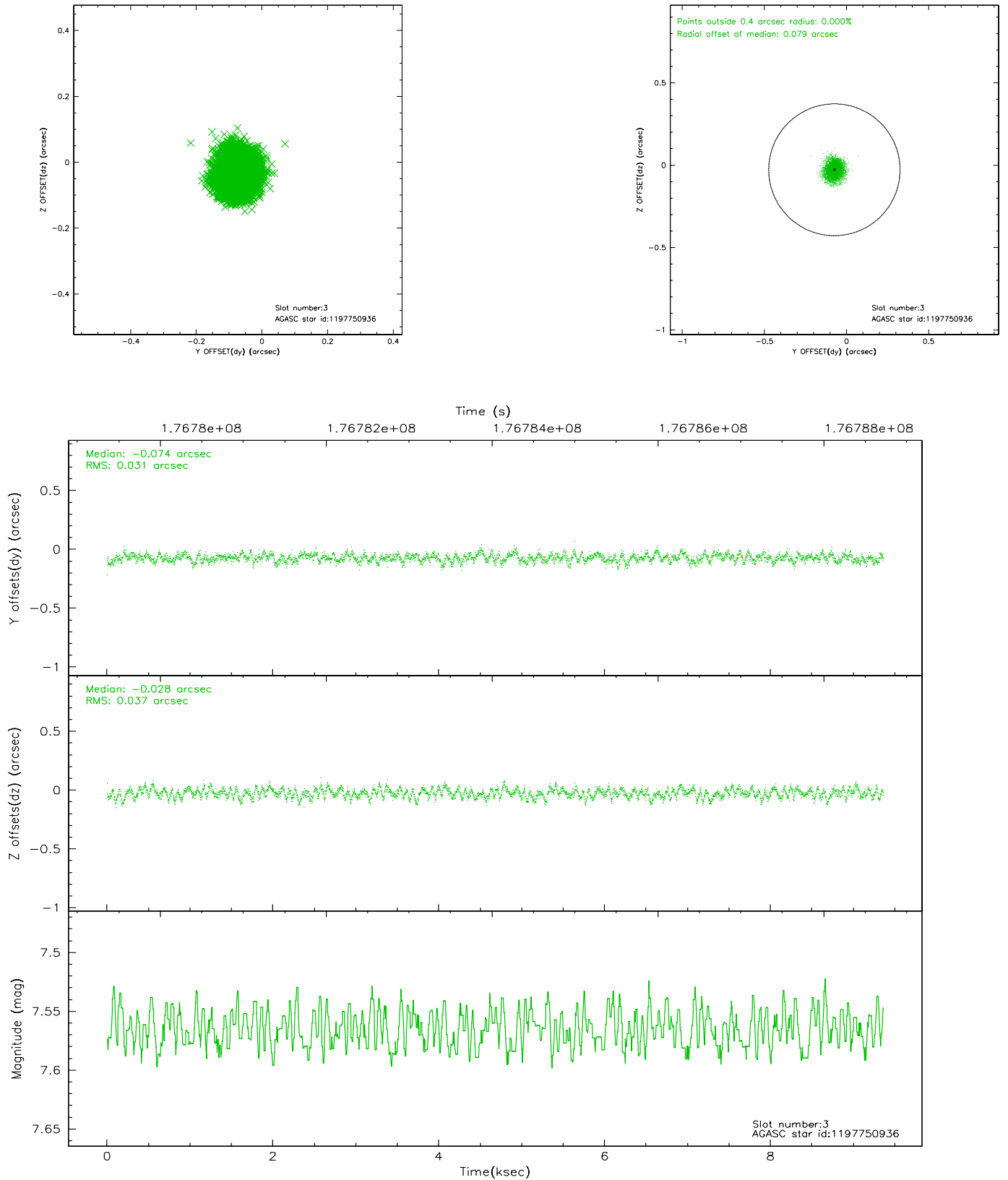


Slot Statistics

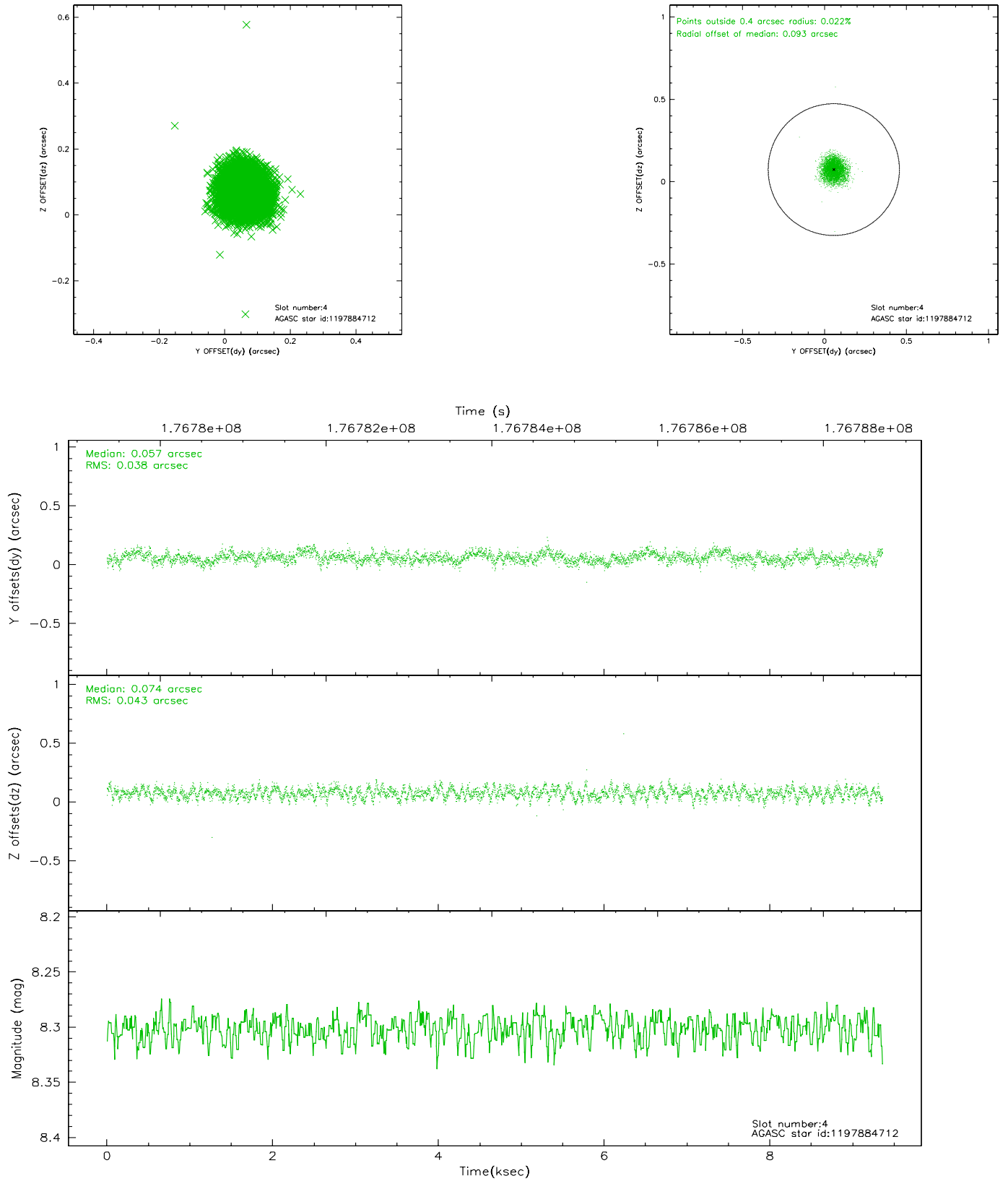
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	2283	-0.014	0.067	0.006	0.010	0.000000	0.000000	933.34	-832.08
1	FID	ACIS-I-5	7.23	2282	-0.109	0.031	0.006	0.010	0.000000	0.000000	-1814.54	1065.09
2	FID	ACIS-I-6	7.26	2283	0.032	-0.027	0.006	0.011	0.000000	0.000000	398.31	1710.19
3	GUIDE	1197750936	7.56	4565	-0.074	-0.028	0.052	0.083	15.387940	-71.549550	1272.56	1495.68
4	GUIDE	1197884712	8.30	4564	0.057	0.074	0.061	0.096	16.087398	-72.252690	-632.38	-344.62
5	GUIDE	1197885104	9.35	4564	-0.046	0.015	0.085	0.137	17.845067	-72.189368	409.22	-1987.65
6	GUIDE	1197885328	7.23	4566	-0.048	-0.146	0.057	0.089	16.283090	-71.733943	1137.07	289.86
7	GUIDE	1197884536	8.50	4564	0.108	0.085	0.049	0.080	17.160729	-71.835289	1240.32	-756.94

2.4 Star Slots

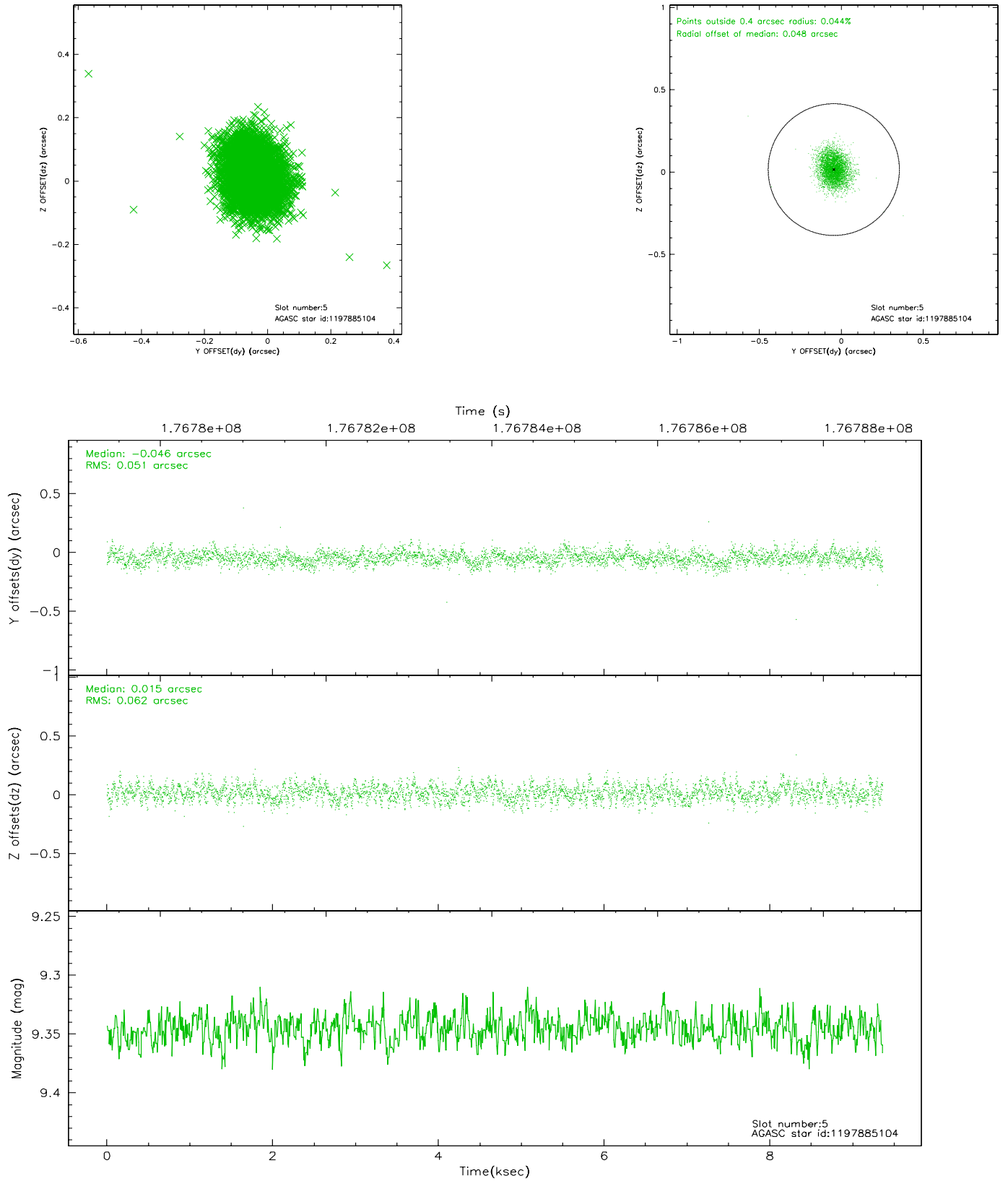
2.4.1 Slot 3



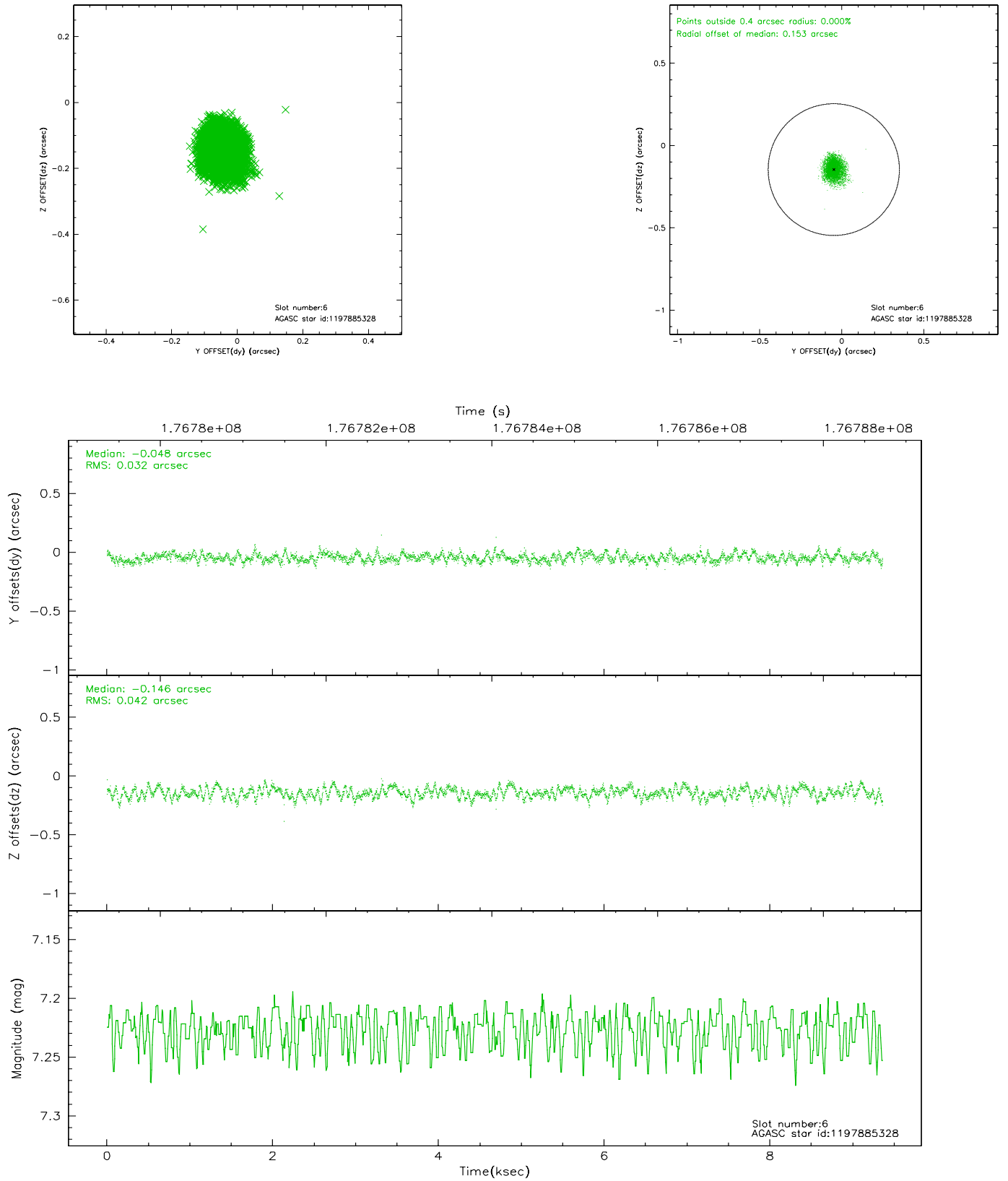
2.4.2 Slot 4



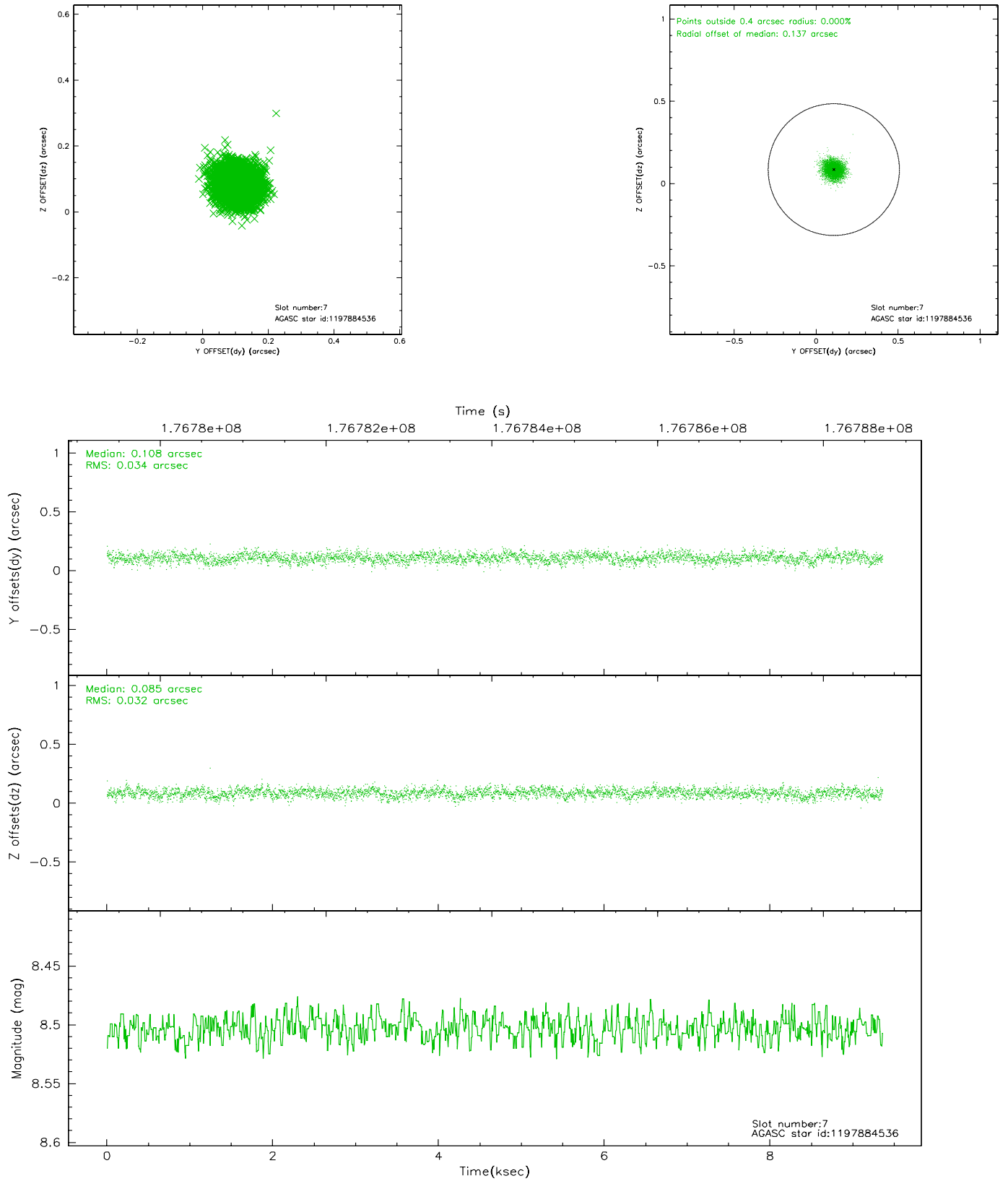
2.4.3 Slot 5



2.4.4 Slot 6

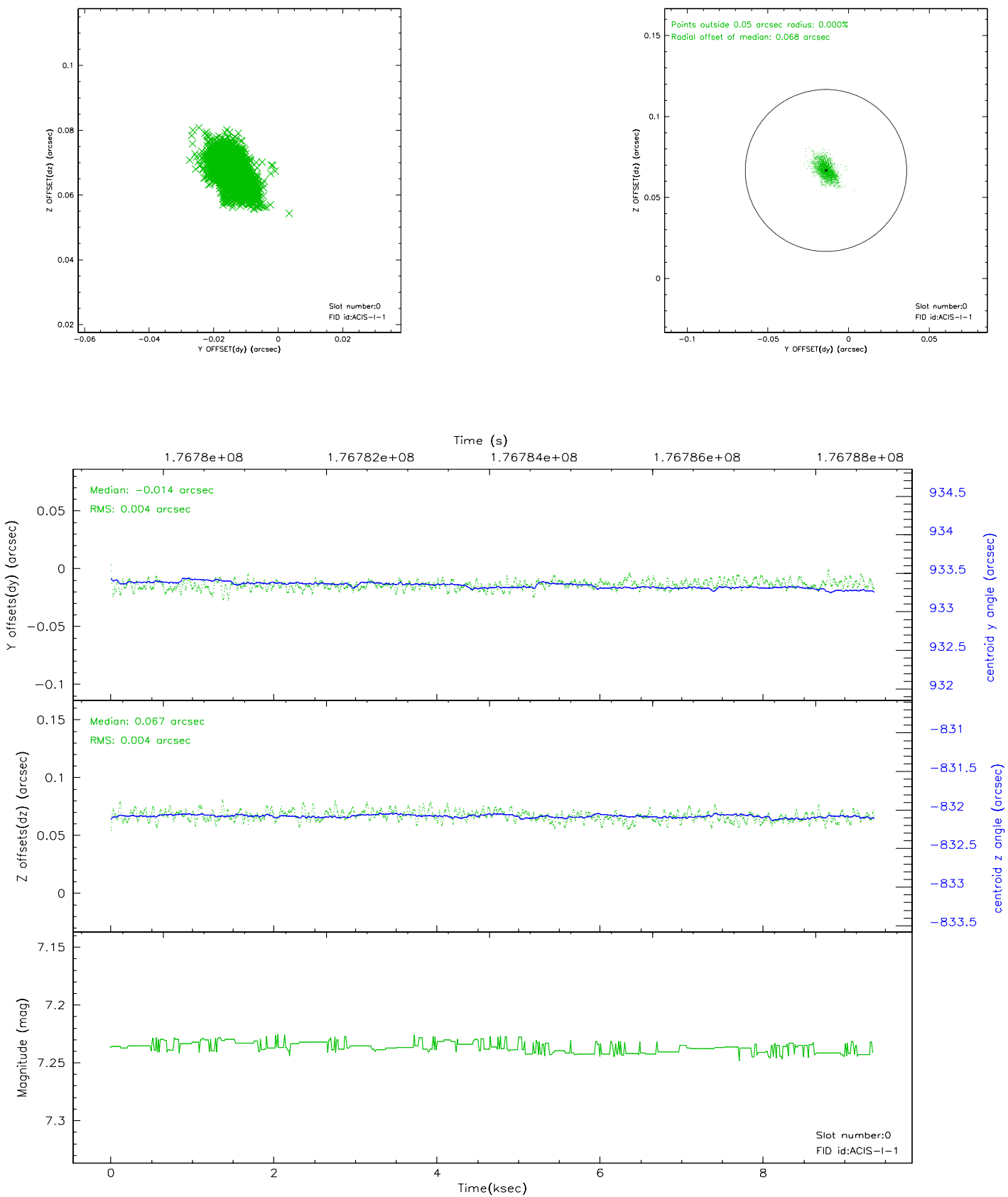


2.4.5 Slot 7

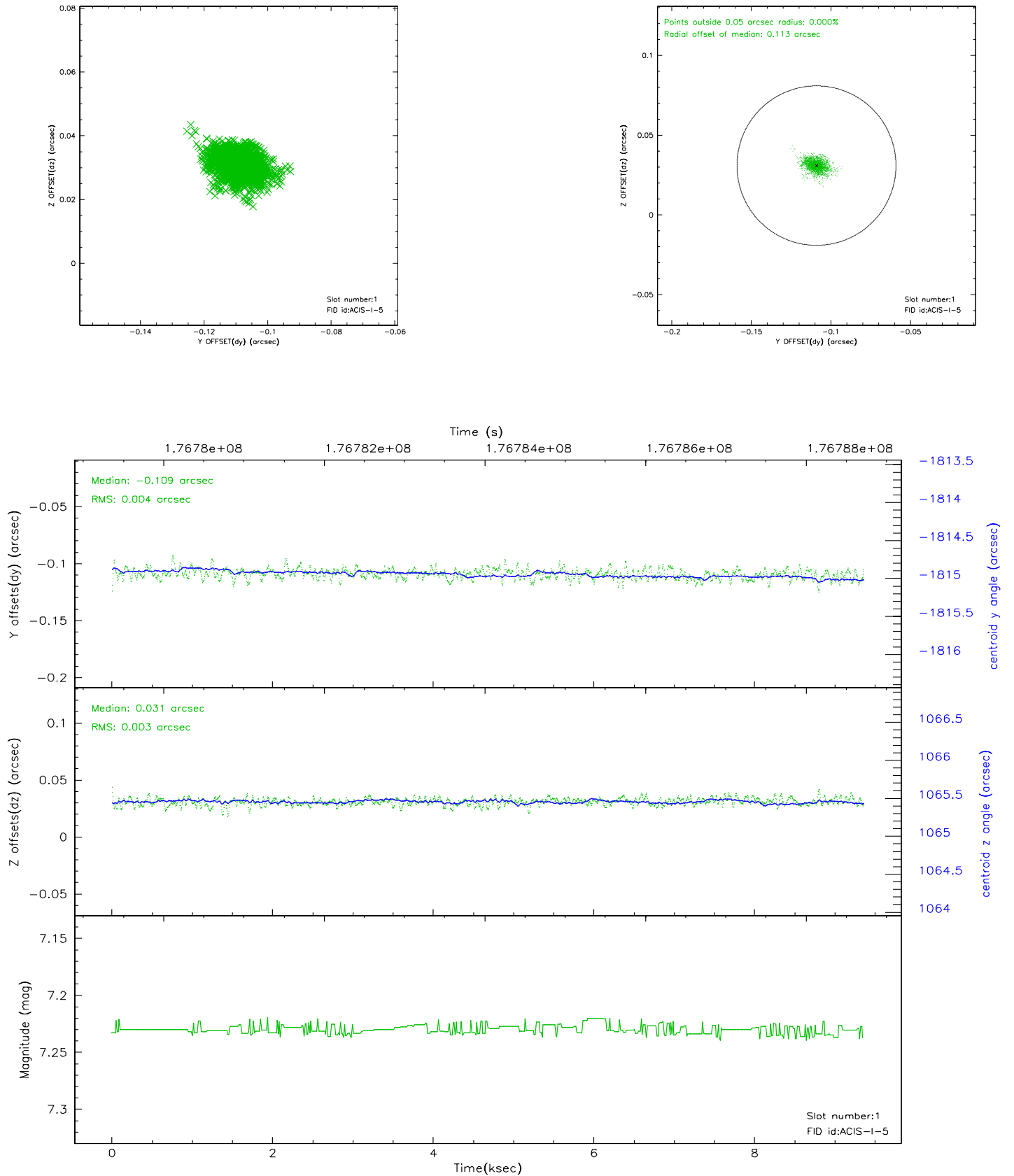


2.5 FID Slots

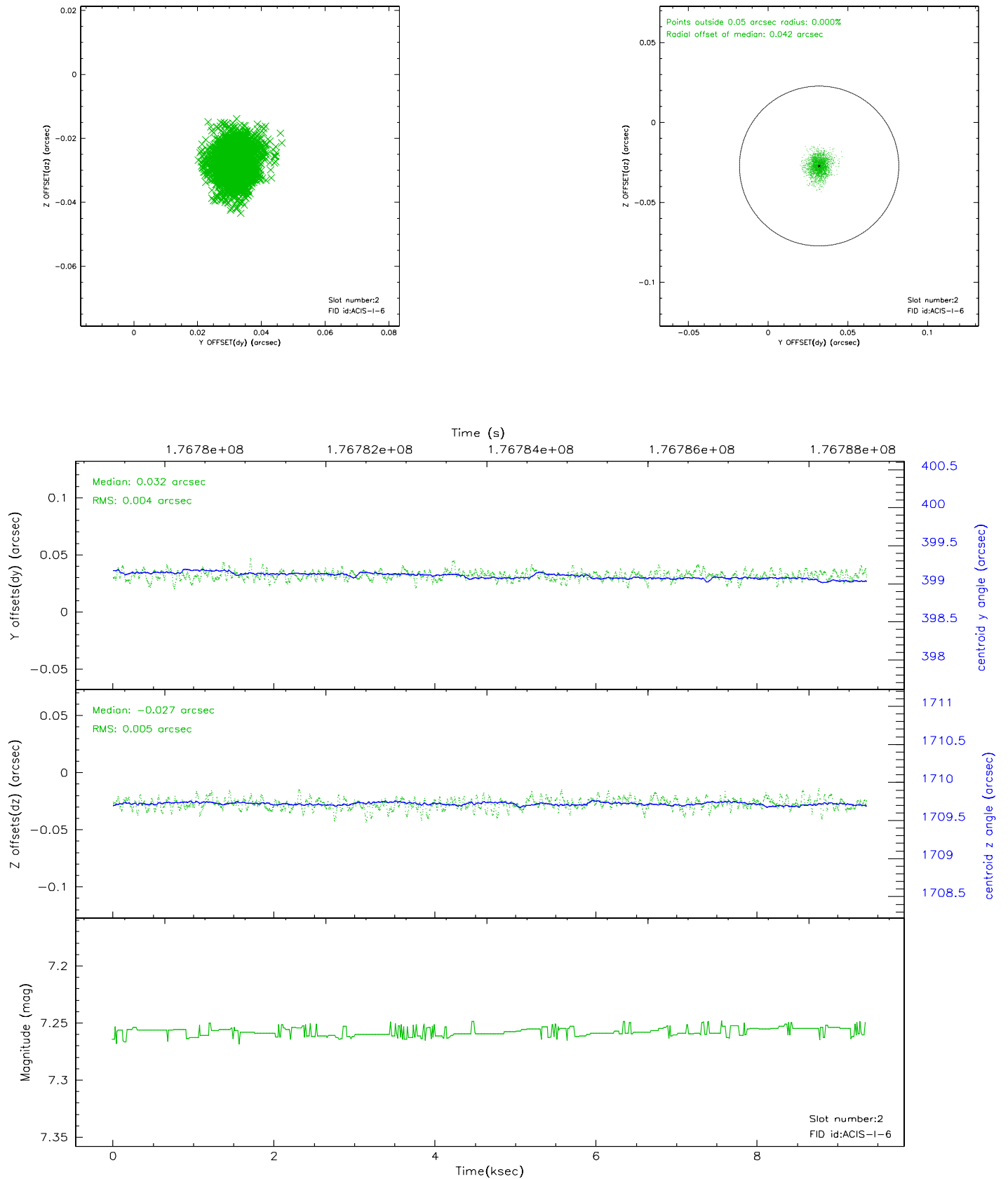
2.5.1 Slot 0



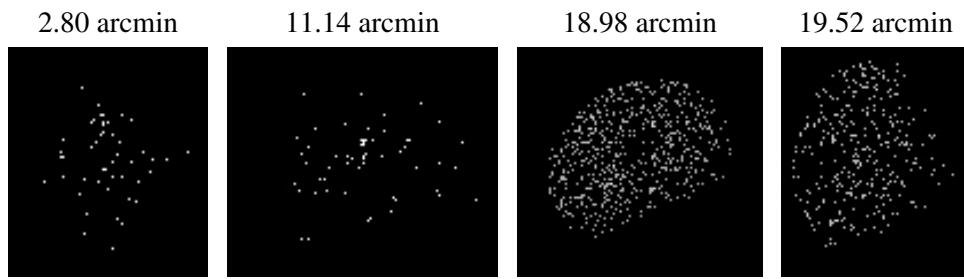
2.5.2 Slot 1



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	7.967

A.2 Comments

Window constraint met.