

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2271 - L2 Version 3
Chandra X-Ray Center

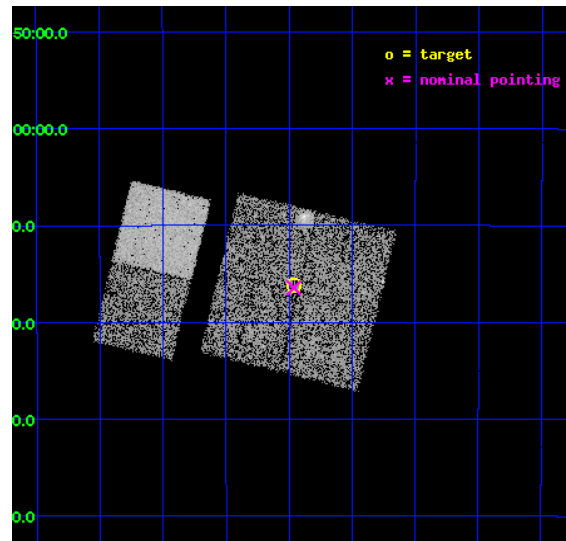
L2 Processing Date : Sep 20 2012

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1 Front

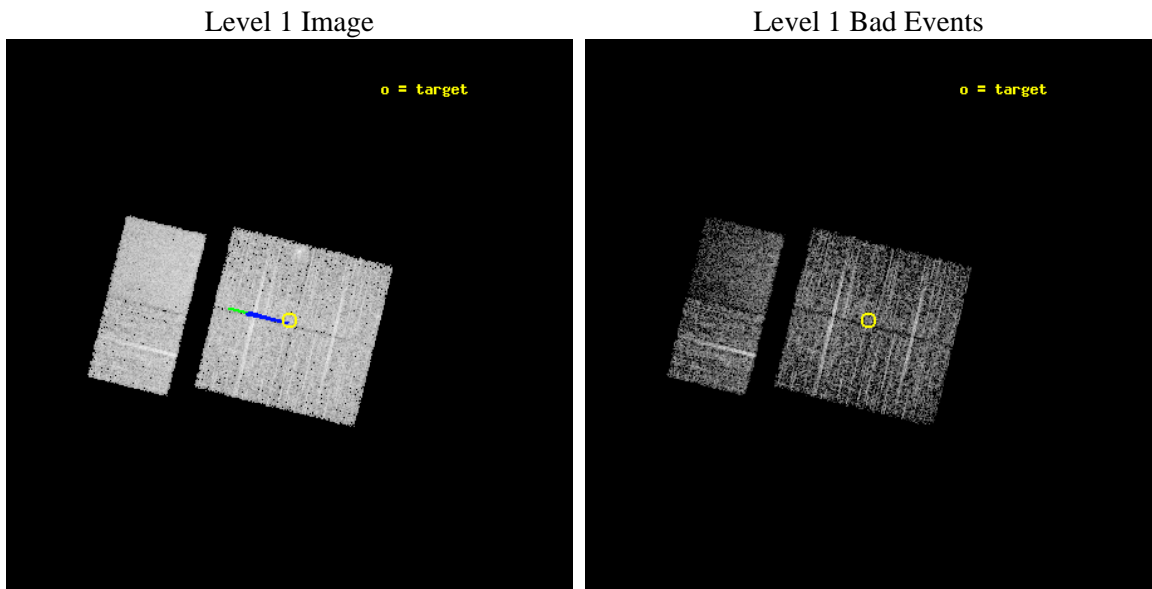
seq_num	900098	Sequence number
obs_id	2271	Observation id
title	CHANDRA SURVEY OF THE GALACTIC RIDGE AROUND THE MILKY WAY CENTER	P
observer	Prof. Q. Daniel Wang	Principal investigator
object	GCS 2	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.8664	Observer's specified target RA [deg]
dec_targ	-28.2696	Observer's specified target Dec [deg]
ra_nom	266.86560262472	Nominal RA [deg]
dec_nom	-28.274262379675	Nominal Dec [deg]
roll_nom	283.80727455494	Nominal Roll [deg]
revision	3	Processing version of data
ontime	10550.222280487	Sum of GTIs [s]
livetime	10416.629013391	Livetime [s]
ontime0	10553.340140745	Sum of GTIs [s]
ontime1	10550.140210494	Sum of GTIs [s]
ontime2	10553.422220752	Sum of GTIs [s]
ontime3	10550.222280487	Sum of GTIs [s]
ontime6	10550.304370508	Sum of GTIs [s]
ontime7	10550.263320491	Sum of GTIs [s]
l2events	42919	Number of level 2 events



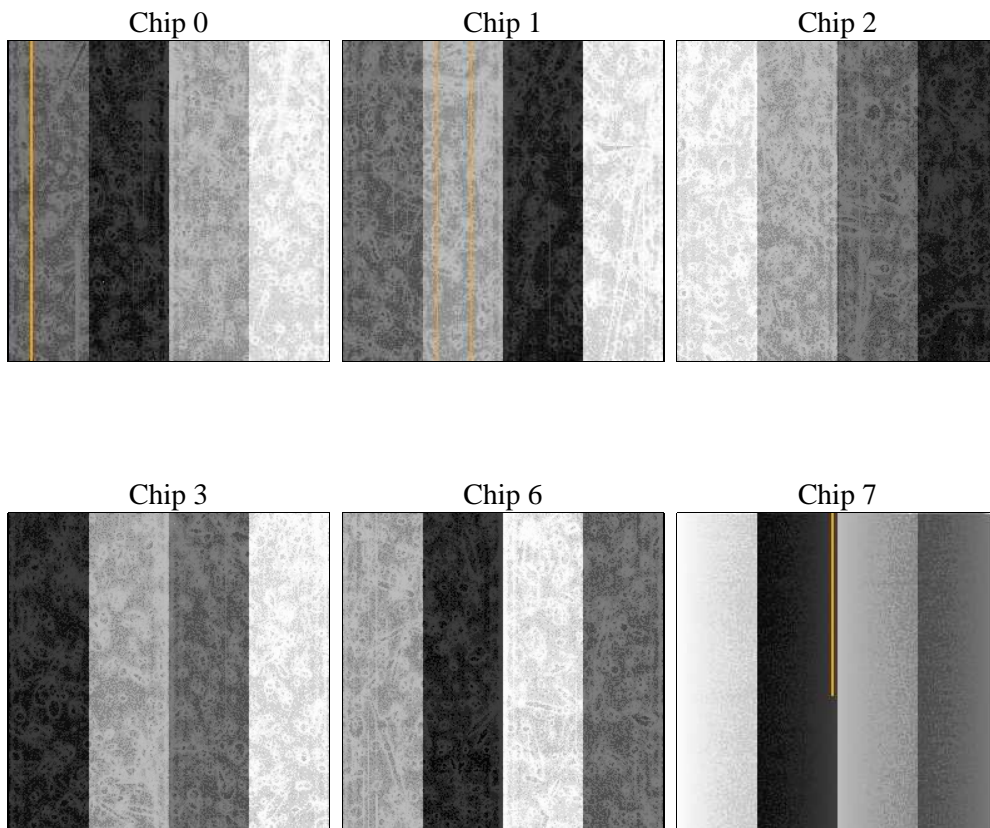
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10800.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	10550.222280487	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime0	10553.340140745	Sum of GTIs [s]
date	2012-09-20T13:21:10	Date and time of file creation	ontime1	10550.140210494	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	10553.422220752	Sum of GTIs [s]
			ontime3	10550.222280487	Sum of GTIs [s]
			ontime6	10550.304370508	Sum of GTIs [s]
			ontime7	10550.263320491	Sum of GTIs [s]
			l1events	175295	Number of level 1 events

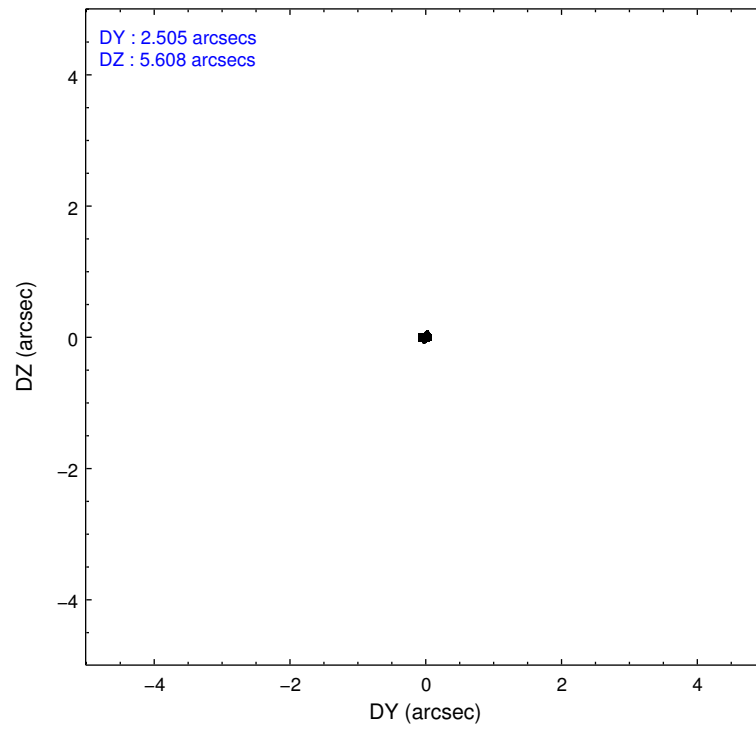
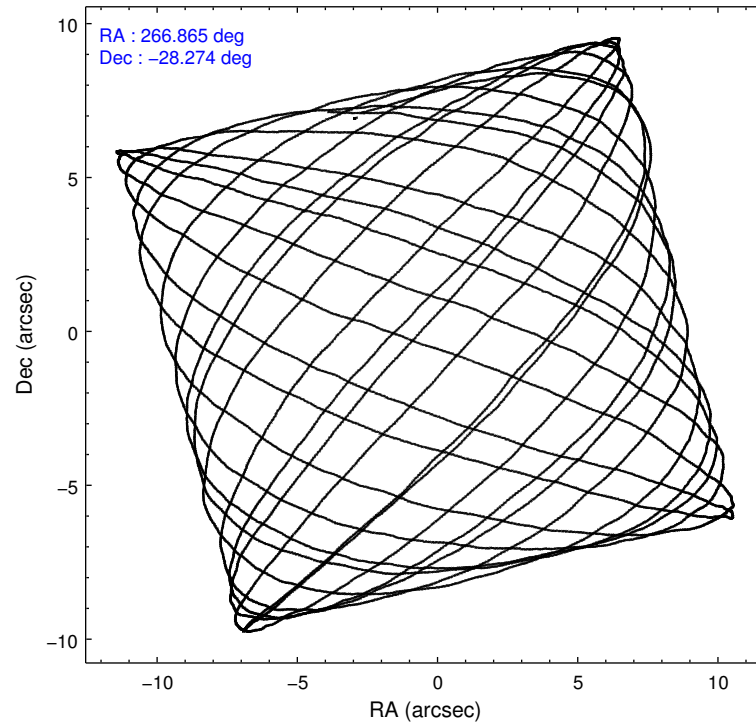
2.1.4 Events

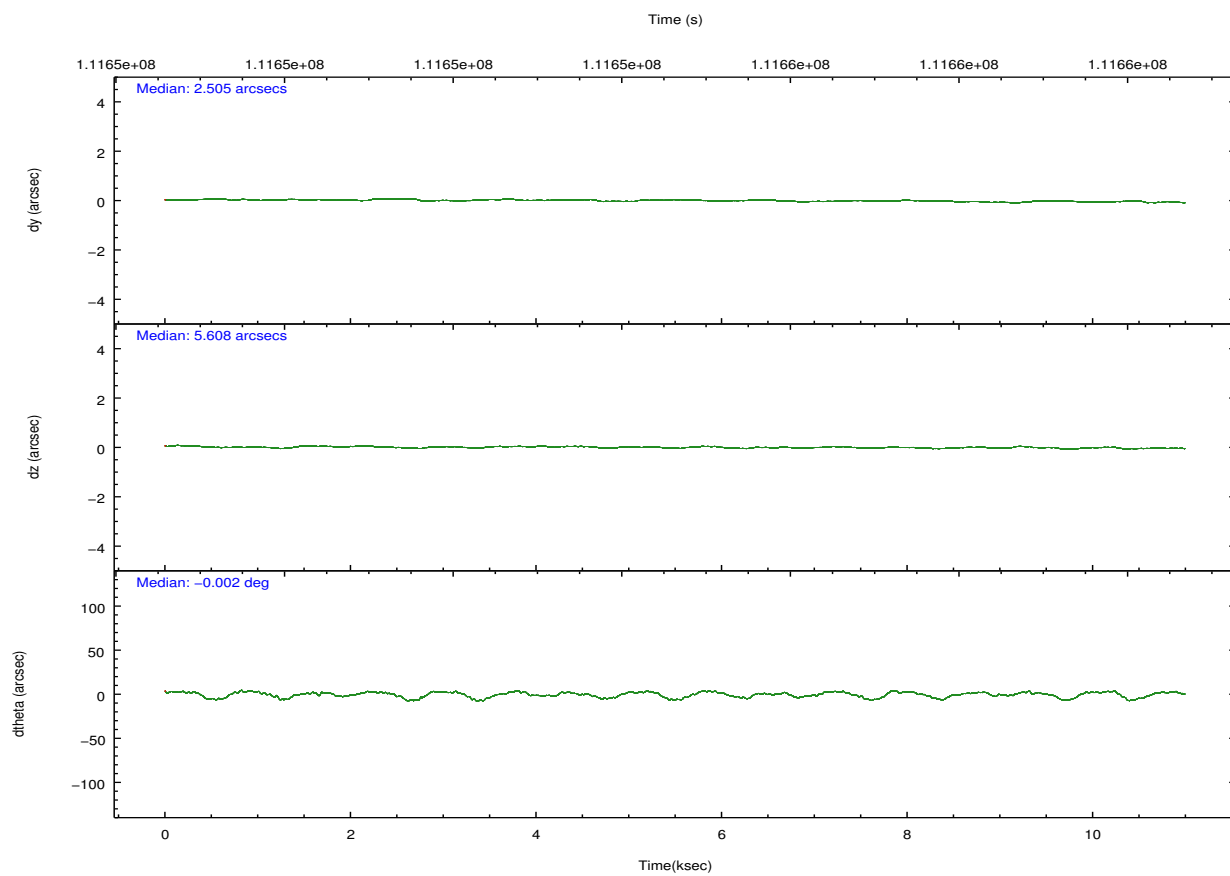
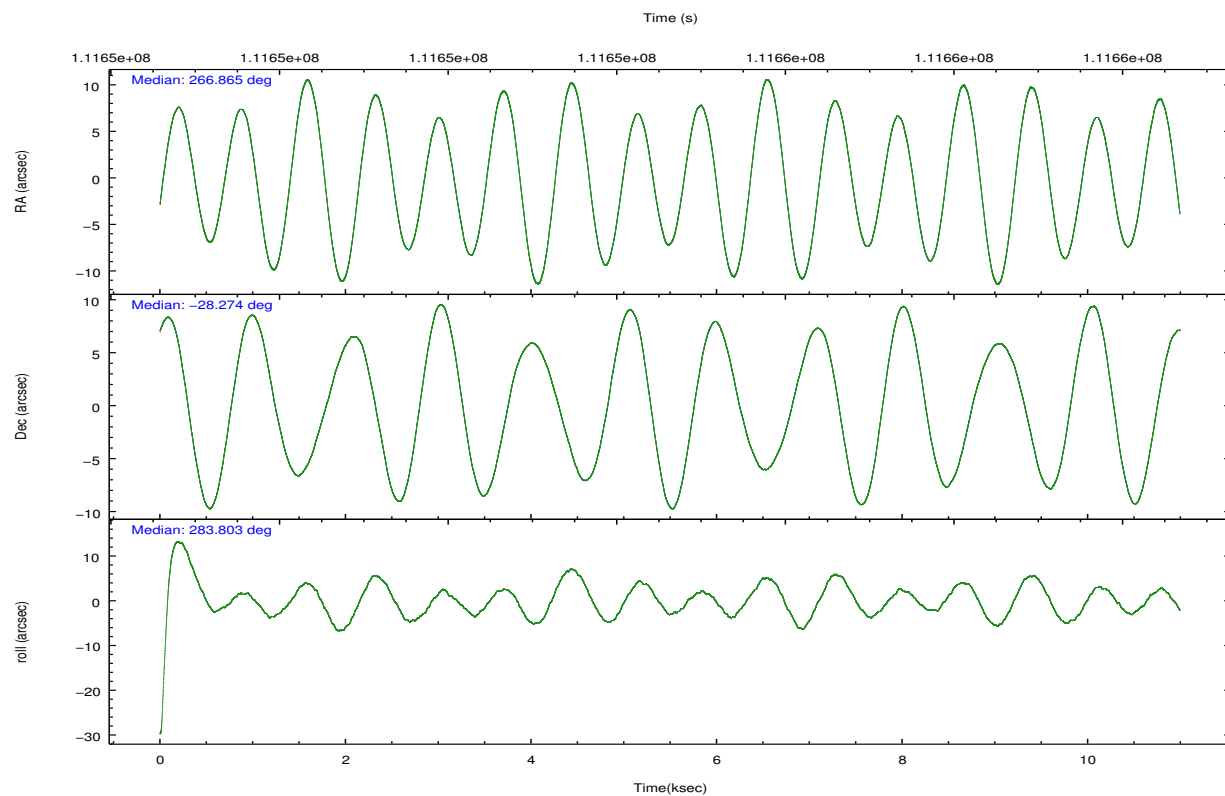
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	27261	27210	28563	28400	29657	34204	grade 0 events	2687	2687	2530	2898	2248	1863
rejected events	21515	21509	23310	22617	24805	15877		9%	9%	8%	10%	7%	5%
rejected %	78%	79%	81%	79%	83%	46%	grade 1 events	25	28	25	35	20	39
								0%	0%	0%	0%	0%	0%
							grade 2 events	1199	1150	1057	1105	964	3734
								4%	4%	3%	3%	3%	10%
							grade 3 events	500	477	435	439	412	1788
								1%	1%	1%	1%	1%	5%
							grade 4 events	456	468	429	428	397	1628
								1%	1%	1%	1%	1%	4%
							grade 5 events	1048	1235	995	1251	1317	3906
								3%	4%	3%	4%	4%	11%
							grade 6 events	906	921	803	916	836	9328
								3%	3%	2%	3%	2%	27%
							grade 7 events	20440	20244	22289	21328	23463	11918
								74%	74%	78%	75%	79%	34%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	266.843950	266.8656026247176	Subarray requested	NONE	NONE
[deg] Pointing Dec	-28.254490	-28.27426237967549	Alternating exposures requested	N	N
[deg] Pointing Roll	283.588375	283.807274554943	[s] Primary exposure time	0.000000	3.2
[deg] Roll angle	283.600000	283.600000			
[deg] Roll tolerance	2.000000	2.000000			
Roll constraint allows 180D rotation	N	N			
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	111649332.184000	111648955.59564			
Observation start date	2001-07-16T05:41:08	2001-07-16T05:35:55			
[s] Observation end time (MET)	111660132.184000	111660265.95858			
Observation end date	2001-07-16T08:41:08	2001-07-16T08:44:25			
Read mode	TIMED	TIMED			

2.3 Aspect



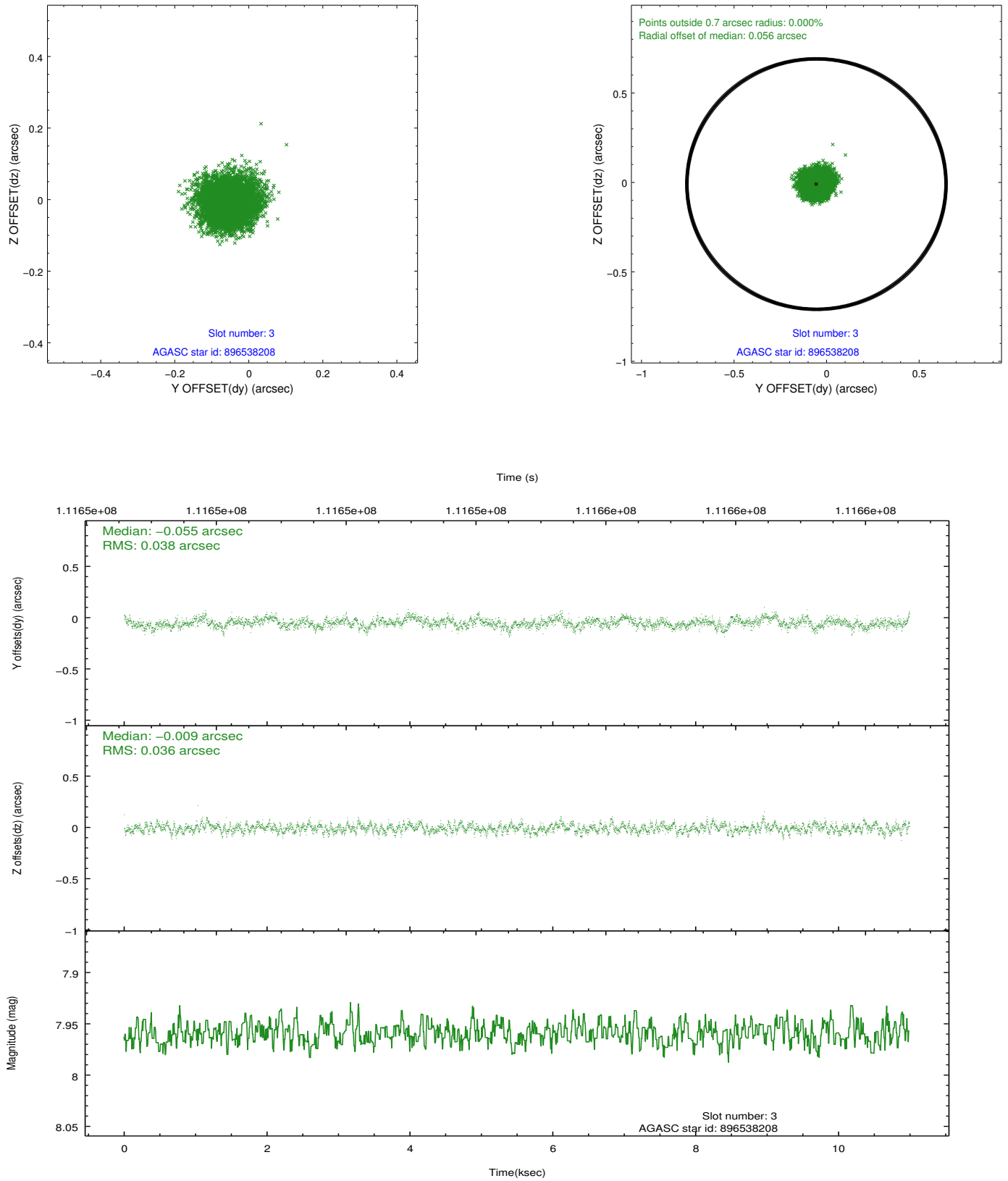


Slot Statistics

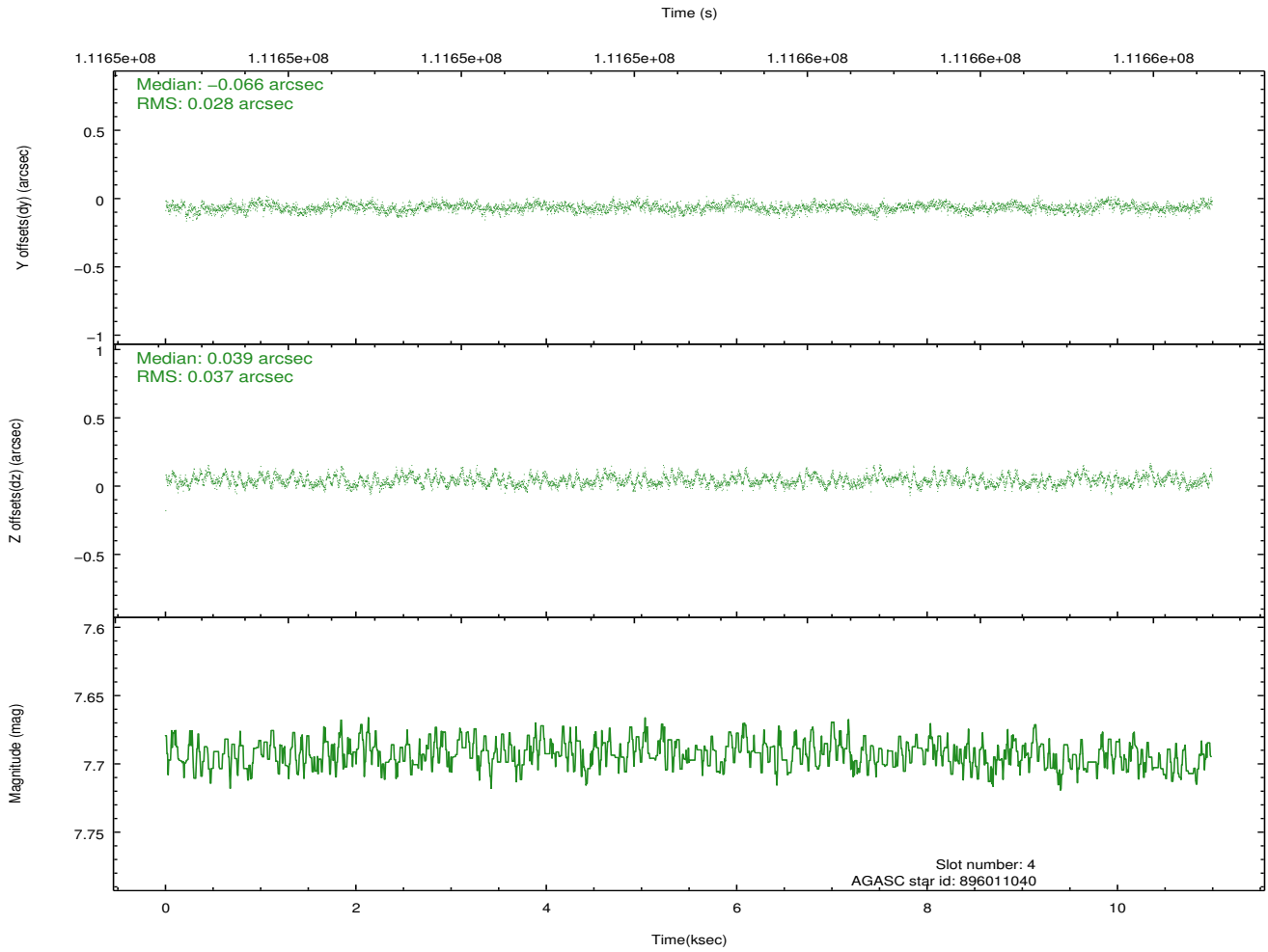
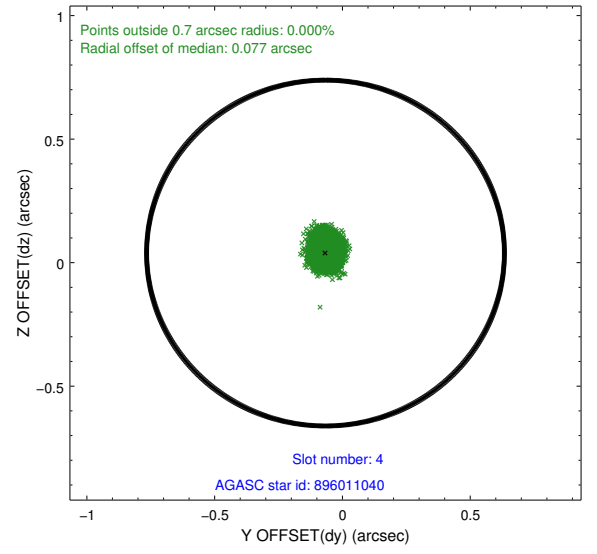
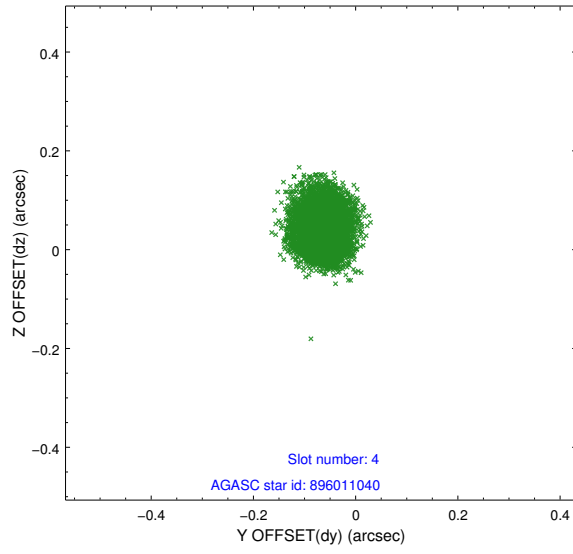
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-3	7.44	2680	-0.022	0.180	0.026	0.048	0.000000	0.000000	54.69	-962.02
1	FID	ACIS-I-4	7.17	2680	-0.012	-0.058	0.033	0.045	0.000000	0.000000	2157.28	1070.49
2	FID	ACIS-I-5	7.23	2681	-0.065	-0.053	0.027	0.048	0.000000	0.000000	-1810.14	1068.96
3	GUIDE	896538208	7.96	5360	-0.055	-0.009	0.056	0.092	267.176969	-28.671626	1708.99	669.54
4	GUIDE	896011040	7.69	5360	-0.066	0.039	0.049	0.079	267.058469	-28.014759	-677.04	865.55
5	GUIDE	896535464	9.32	5362	0.024	-0.165	0.069	0.115	266.962550	-28.408631	628.56	234.78
6	GUIDE	896540672	8.99	5362	0.041	0.054	0.069	0.111	266.662941	-28.185372	-375.30	-499.75
7	GUIDE	896538248	8.89	5359	0.054	0.082	0.069	0.110	266.238138	-28.240101	-496.08	-1856.45

2.4 Star Slots

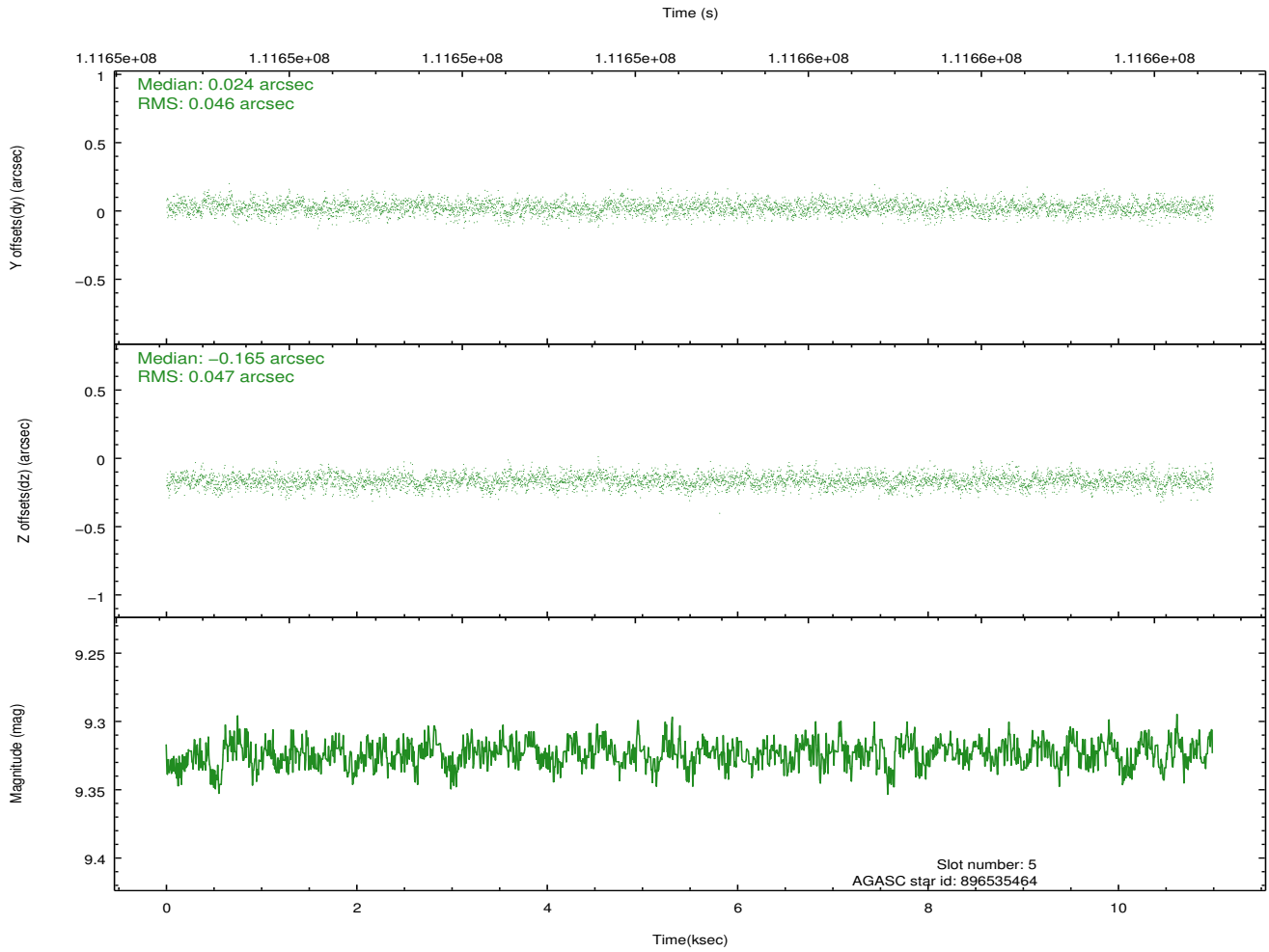
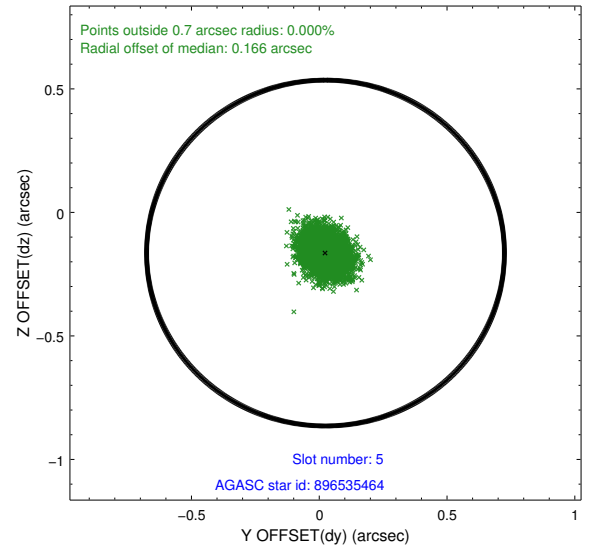
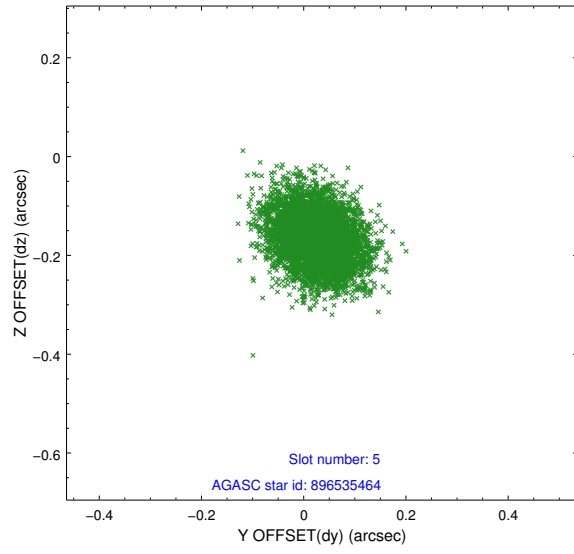
2.4.1 Slot 3



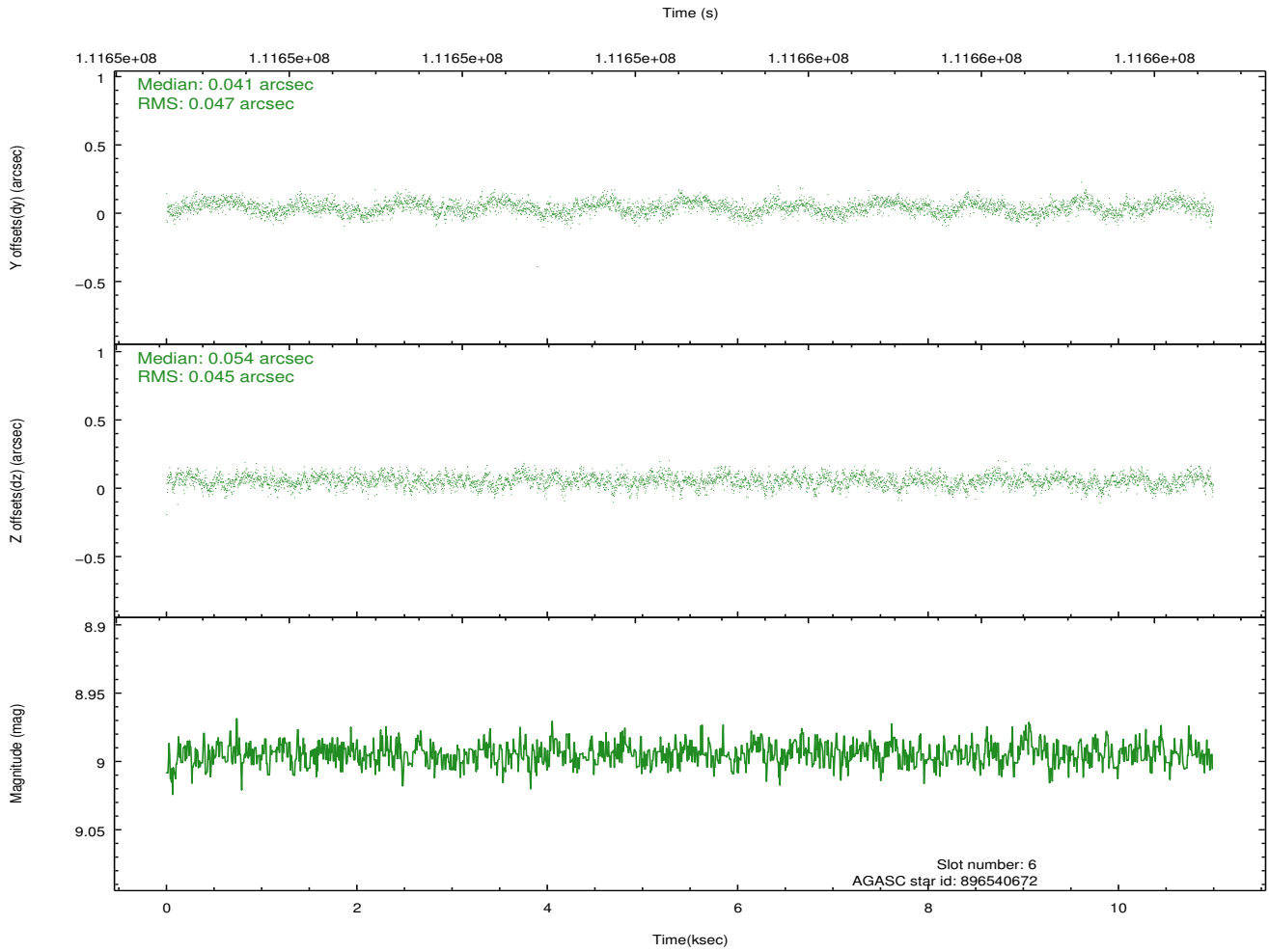
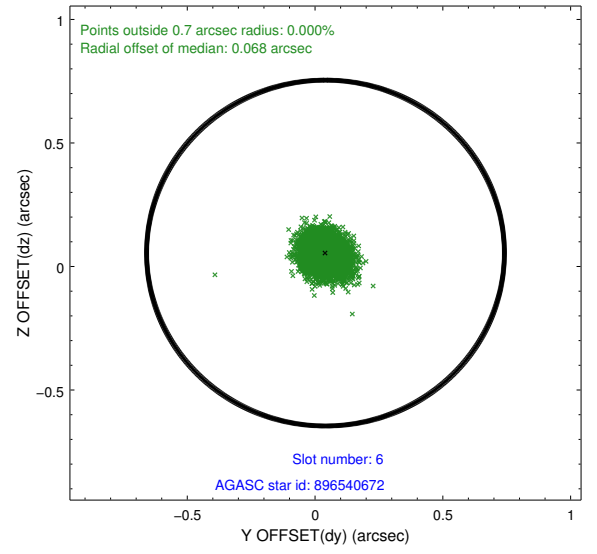
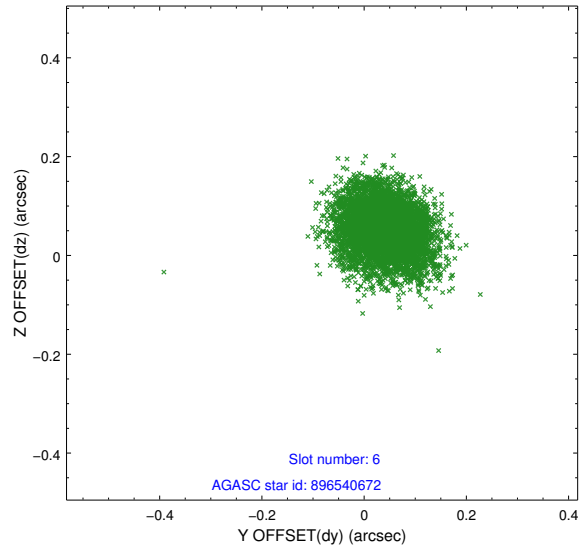
2.4.2 Slot 4



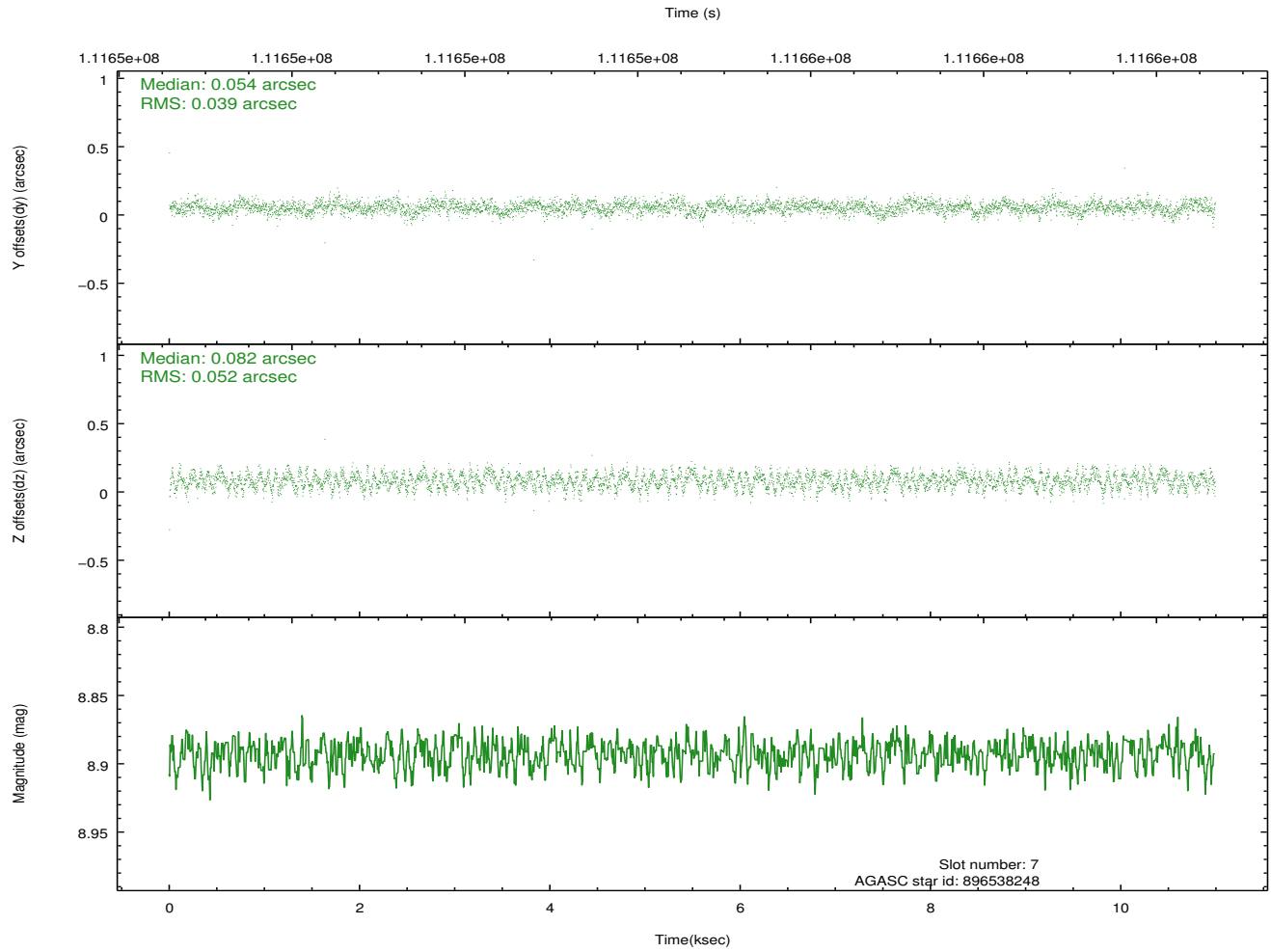
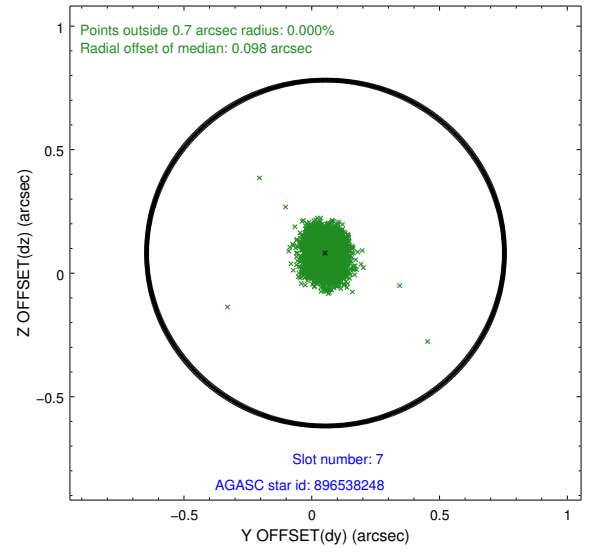
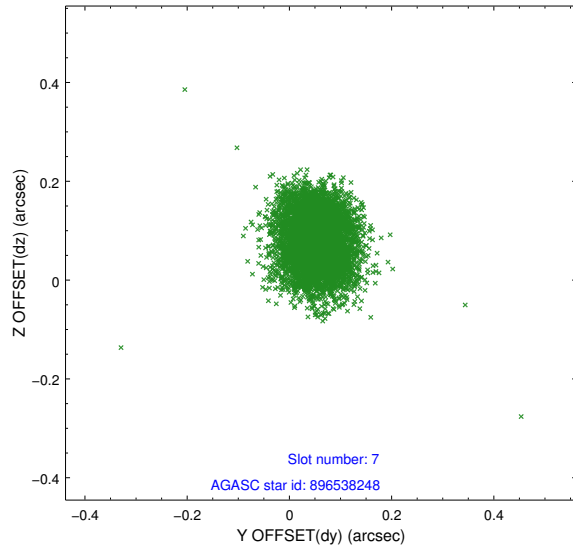
2.4.3 Slot 5



2.4.4 Slot 6

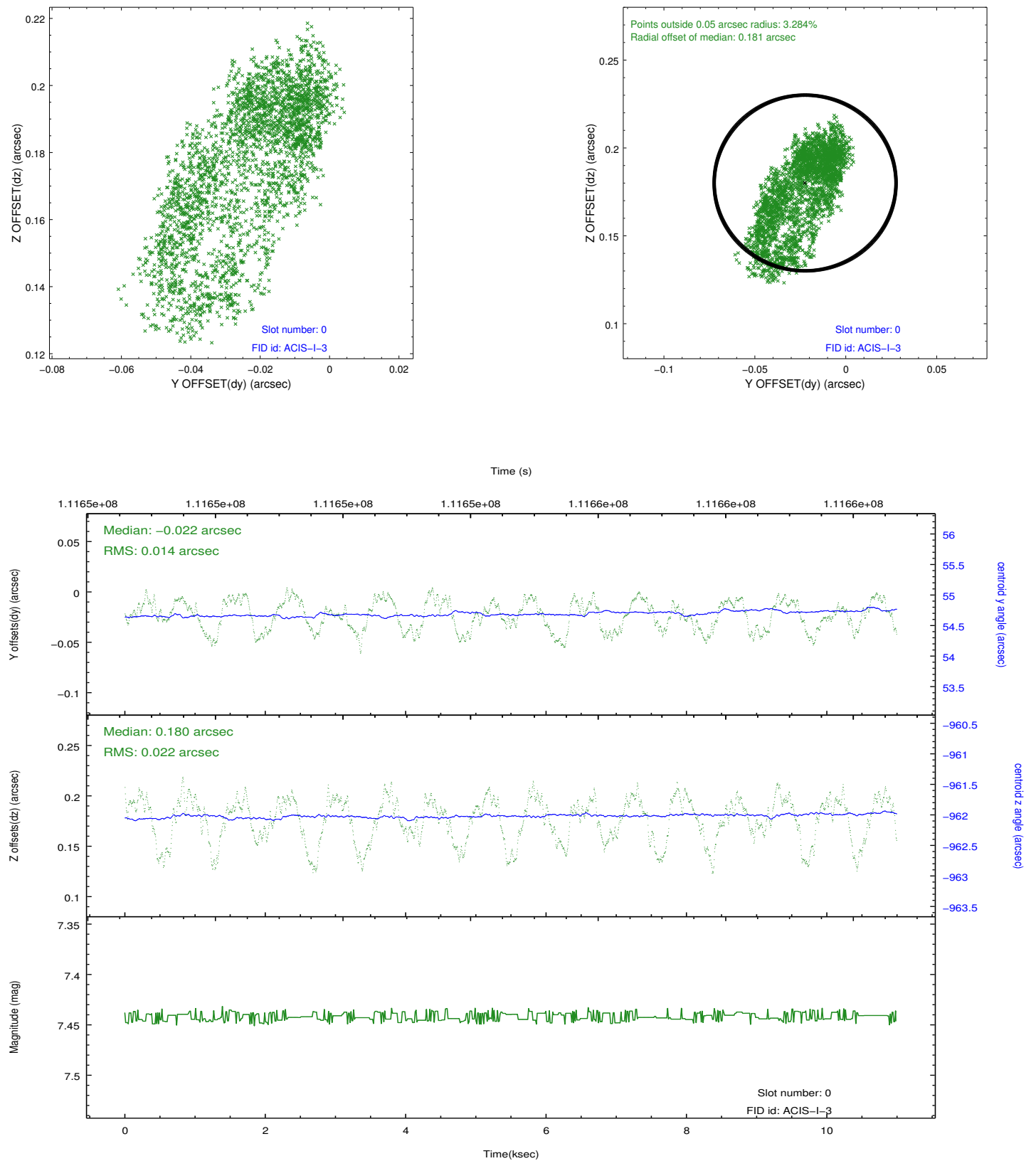


2.4.5 Slot 7

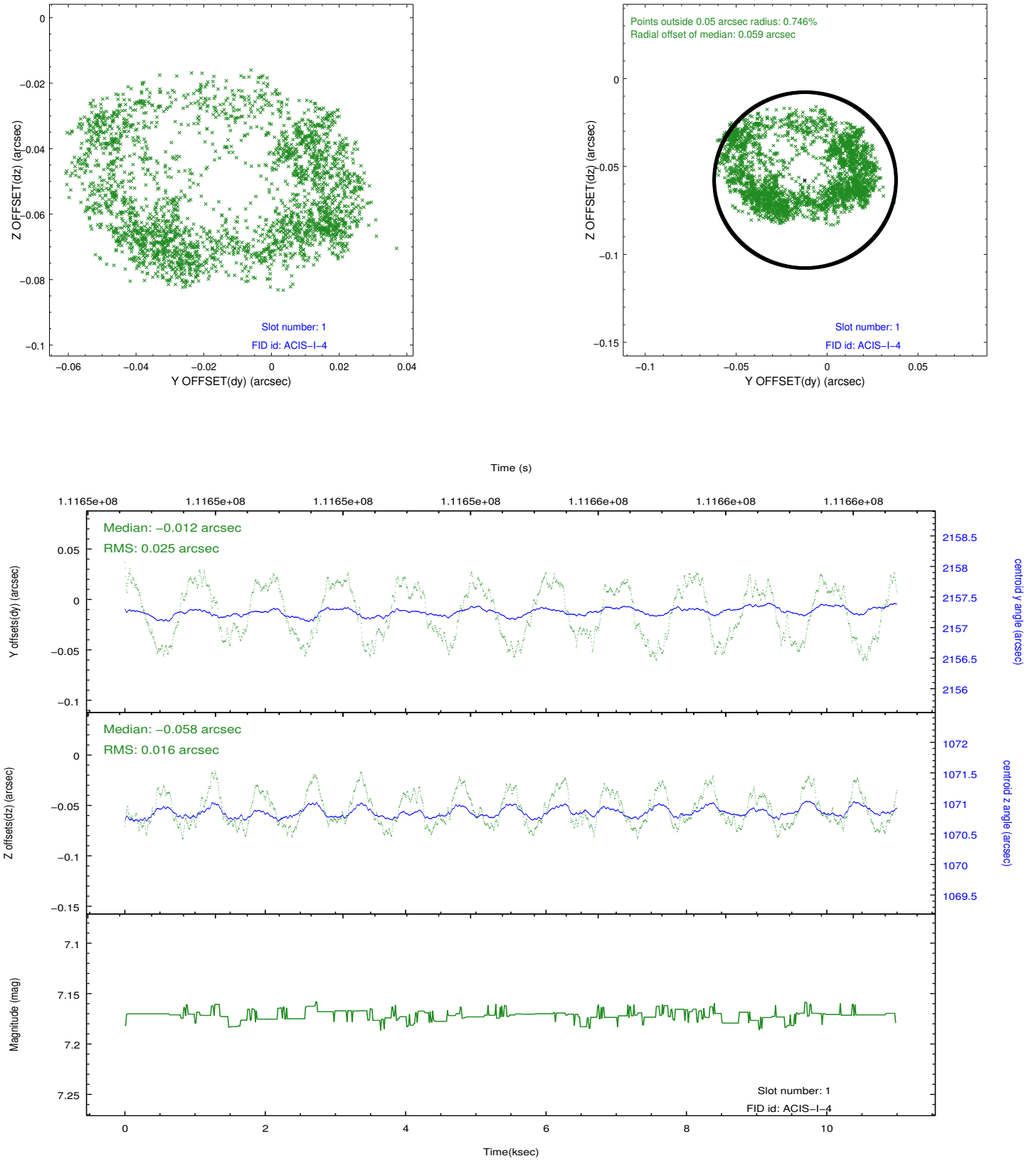


2.5 FID Slots

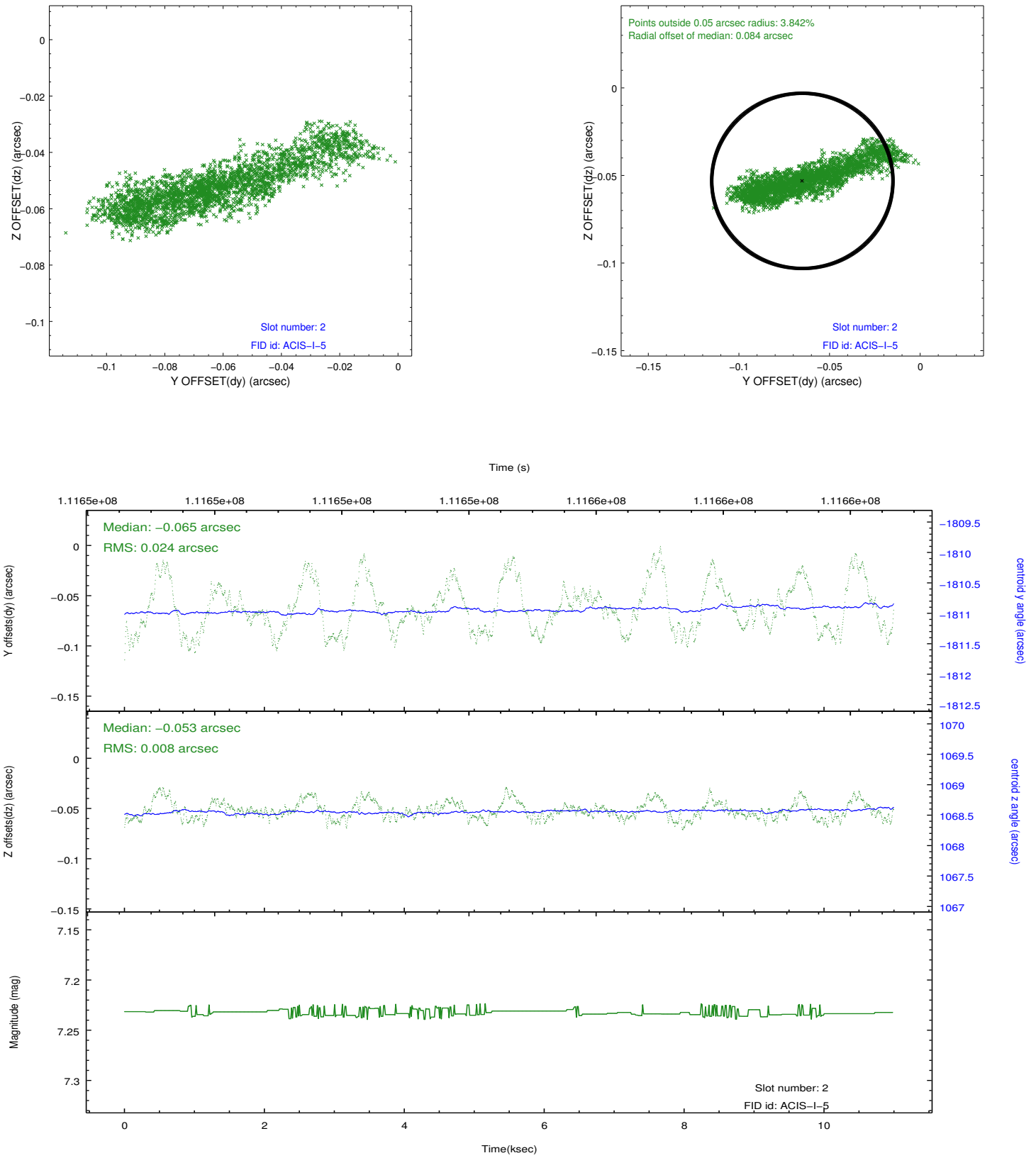
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.09.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.55

A.2 Comments

Roll preference met.