

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3811 - L2 Version 3
Chandra X-Ray Center

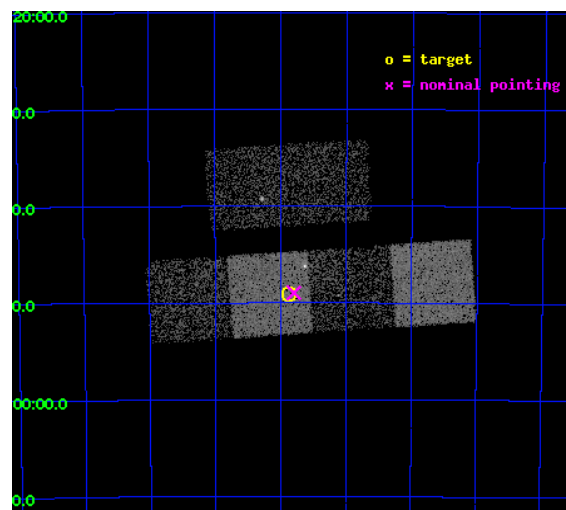
L2 Processing Date : Nov 4 2012

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1 Front

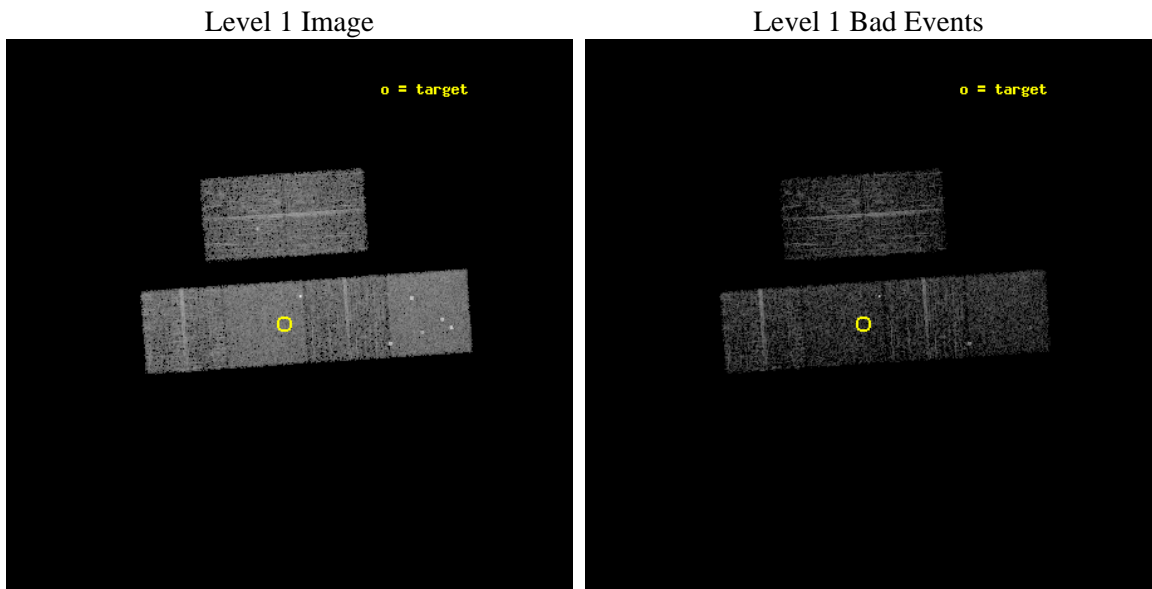
seq_num	400298	Sequence number
obs_id	3811	Observation id
title	A CHANDRA SNAPSHOT OBSERVATION OF AX J1226.8--6249: A HIGH MASS X-RAY BINARY PRODUCING A BOW-SHOCK NEBULA ?	Proposal title
observer	Professor Stephen Eikenberry	Principal investigator
object	AX J1226.8-6249	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	186.72	Observer's specified target RA [deg]
dec_targ	-62.818611	Observer's specified target Dec [deg]
ra_nom	186.69931579191	Nominal RA [deg]
dec_nom	-62.816184114334	Nominal Dec [deg]
roll_nom	176.11793828369	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3029.8203138709	Sum of GTIs [s]
livetime	2991.4549047179	Livetime [s]
ontime2	3029.8613538742	Sum of GTIs [s]
ontime3	3029.697193861	Sum of GTIs [s]
ontime5	3029.7792738676	Sum of GTIs [s]
ontime6	3029.7382338643	Sum of GTIs [s]
ontime7	3029.8203138709	Sum of GTIs [s]
ontime8	3029.6561538875	Sum of GTIs [s]
l2events	34591	Number of level 2 events



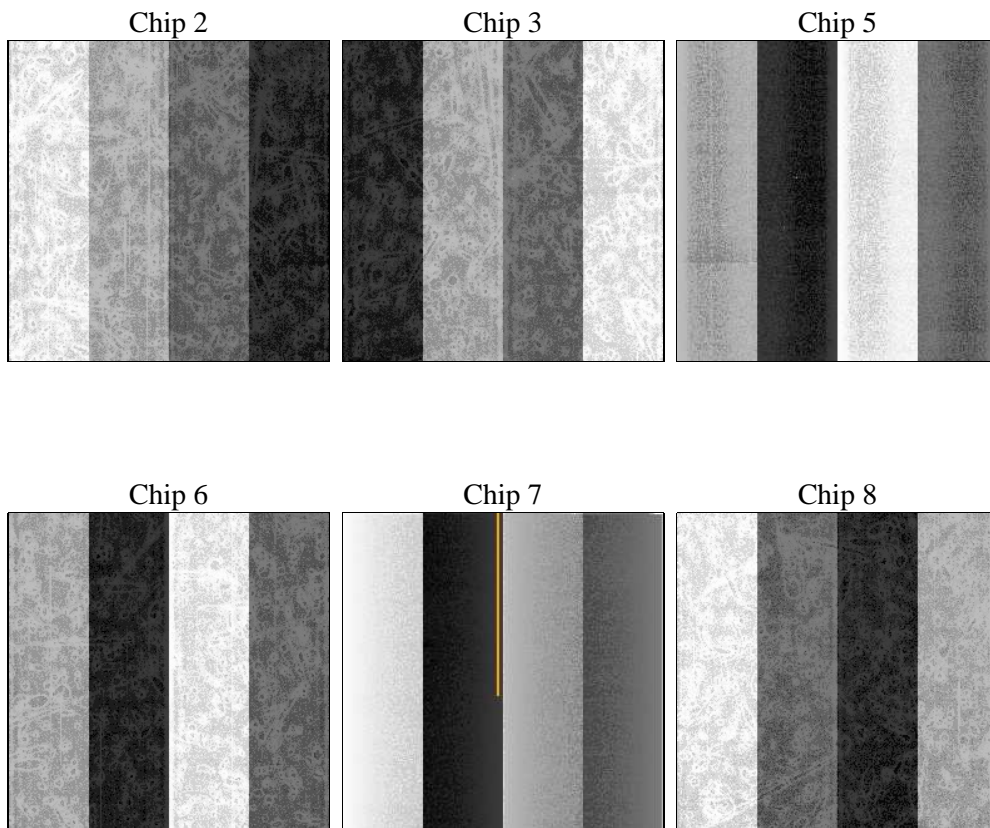
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	3029.8203138709	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	3029.8613538742	Sum of GTIs [s]
date	2012-11-05T02:41:38	Date and time of file creation	ontime3	3029.697193861	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	3029.7792738676	Sum of GTIs [s]
			ontime6	3029.7382338643	Sum of GTIs [s]
			ontime7	3029.8203138709	Sum of GTIs [s]
			ontime8	3029.6561538875	Sum of GTIs [s]
			l1events	147966	Number of level 1 events

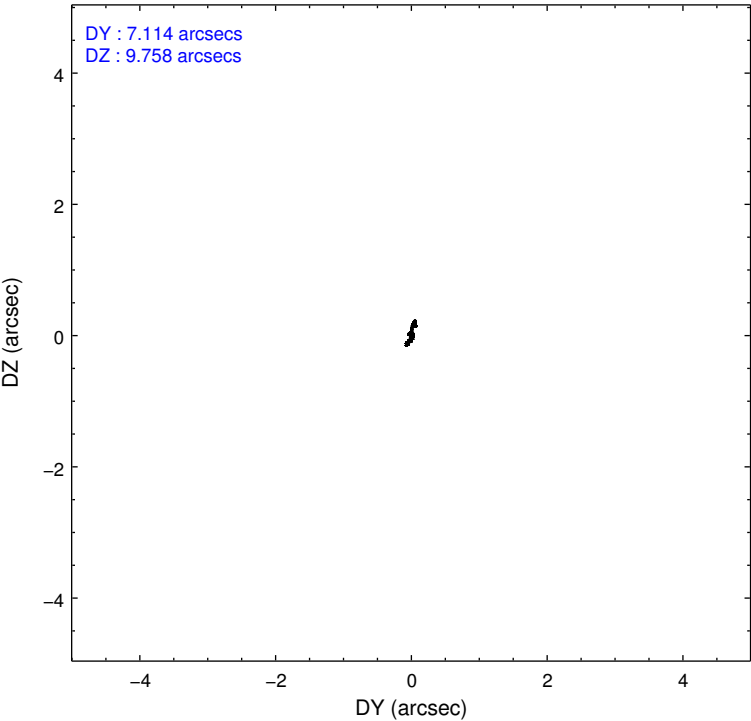
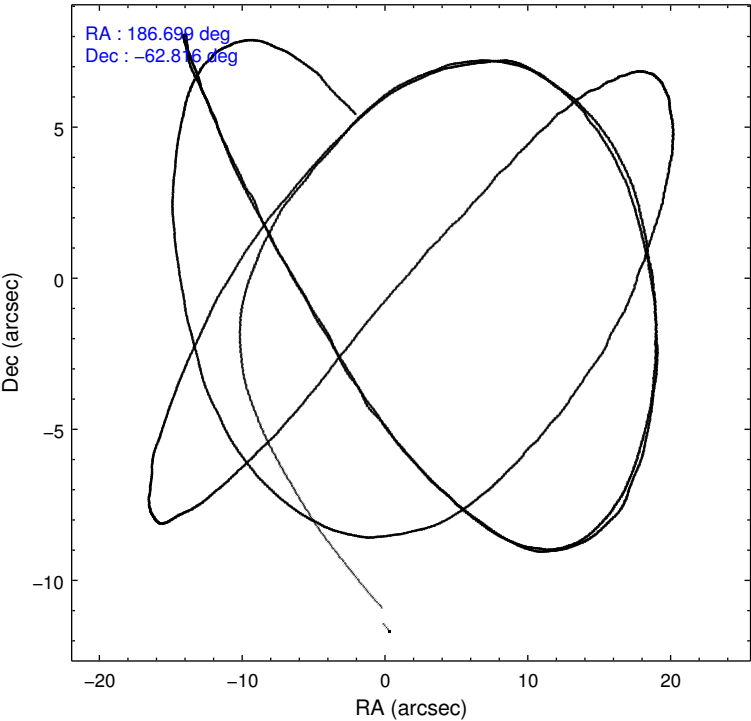
2.1.4 Events

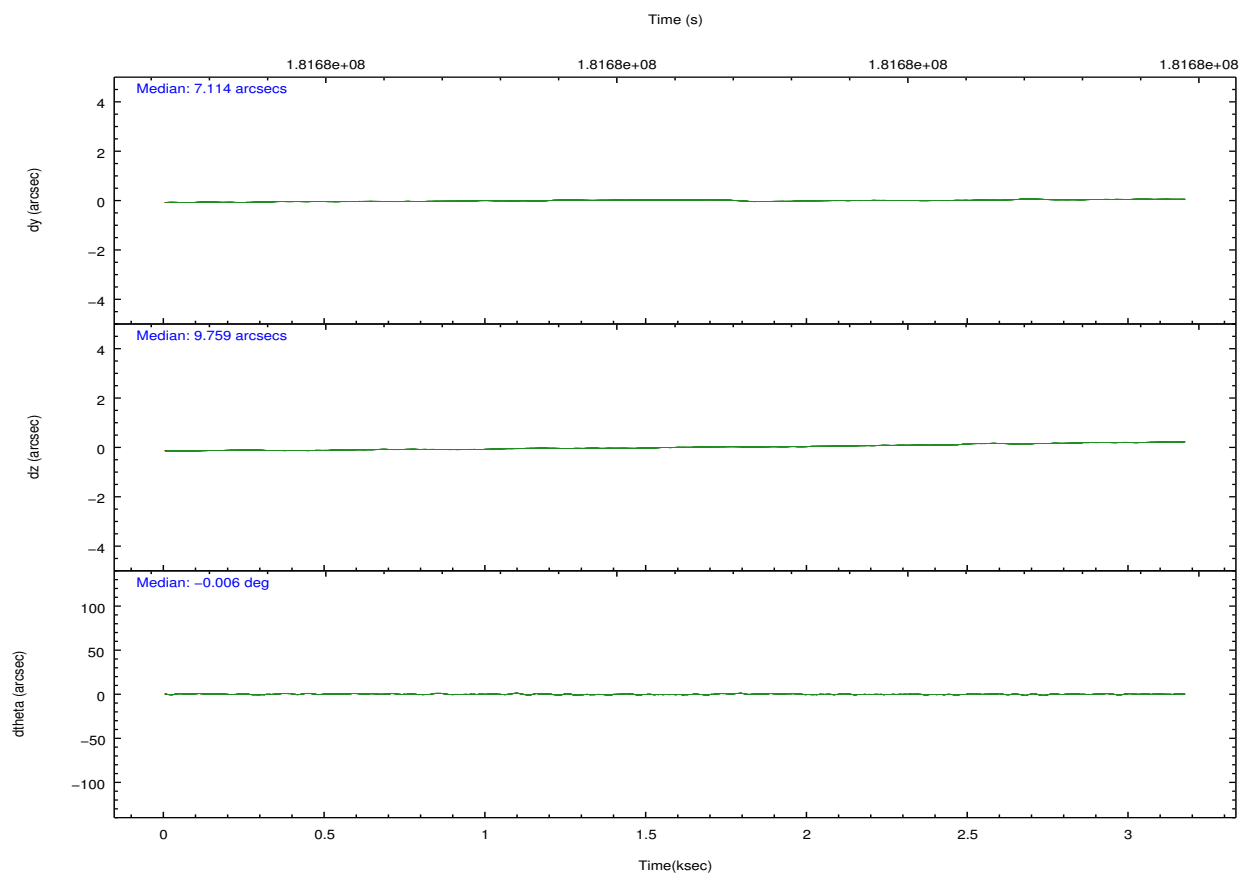
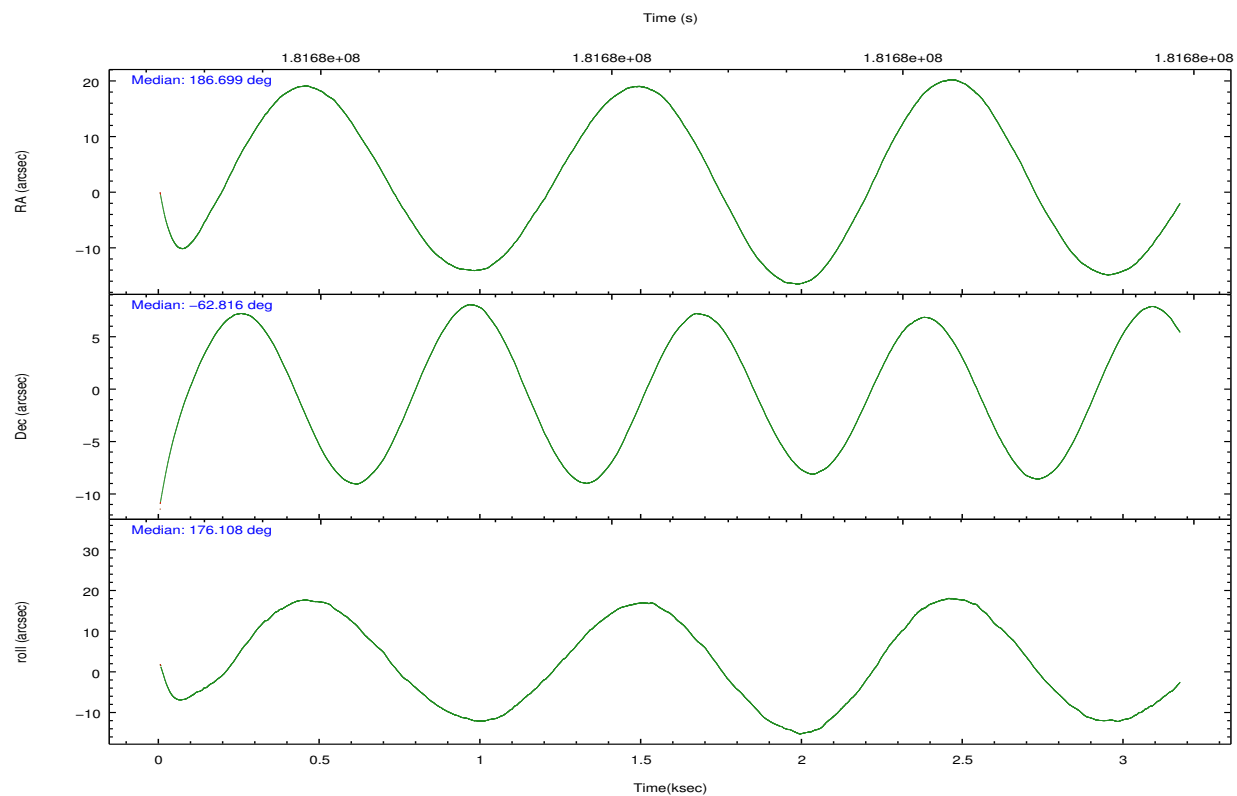
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	20692	20149	31855	20621	29081	25568	grade 0 events	1130	1289	3364	1099	1404	1909
rejected events	18194	17503	15983	17919	16177	19996		5%	6%	10%	5%	4%	7%
rejected %	87%	86%	50%	86%	55%	78%	grade 1 events	13	13	249	12	65	18
								0%	0%	0%	0%	0%	0%
							grade 2 events	523	430	4254	577	2489	1146
								2%	2%	13%	2%	8%	4%
							grade 3 events	222	240	589	233	1176	627
								1%	1%	1%	1%	4%	2%
							grade 4 events	232	259	477	268	1139	610
								1%	1%	1%	1%	3%	2%
							grade 5 events	722	832	2177	926	2654	1116
								3%	4%	6%	4%	9%	4%
							grade 6 events	392	431	7207	525	6711	1282
								1%	2%	22%	2%	23%	5%
							grade 7 events	17458	16655	13538	16981	13443	18860
								84%	82%	42%	82%	46%	73%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	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	186.752594	186.6993157919132	Subarray requested	NONE	NONE
[deg] Pointing Dec	-62.803953	-62.8161841143337	Alternating exposures requested	N	N
[deg] Pointing Roll	176.008709	176.1179382836919	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	181678784.184000	181677791.29305			
Observation start date	2003-10-04T18:18:40	2003-10-04T18:03:11			
[s] Observation end time (MET)	181681784.184000	181682505.78075			
Observation end date	2003-10-04T19:08:40	2003-10-04T19:21:45			
Read mode	TIMED	TIMED			

2.3 Aspect



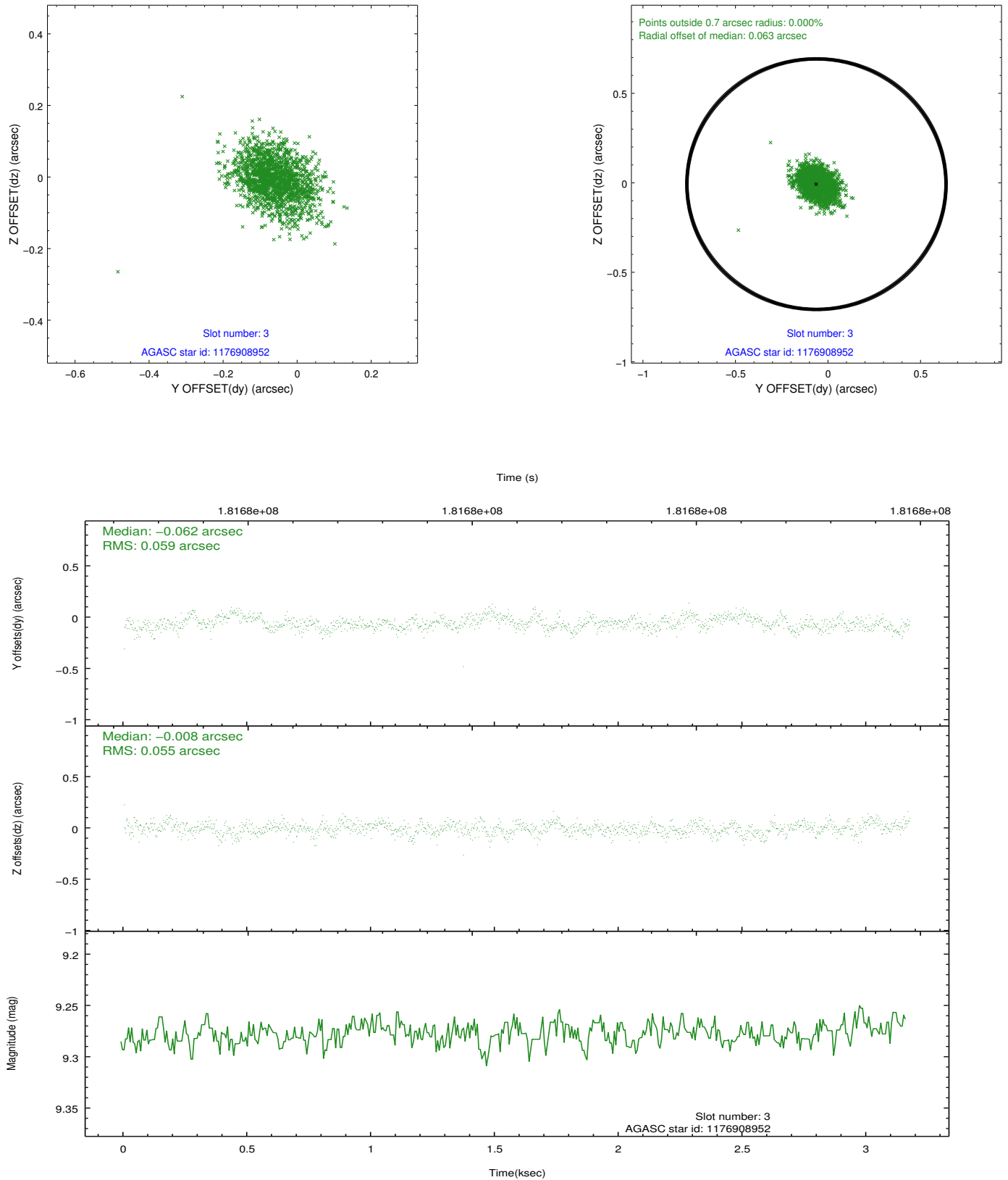


Slot Statistics

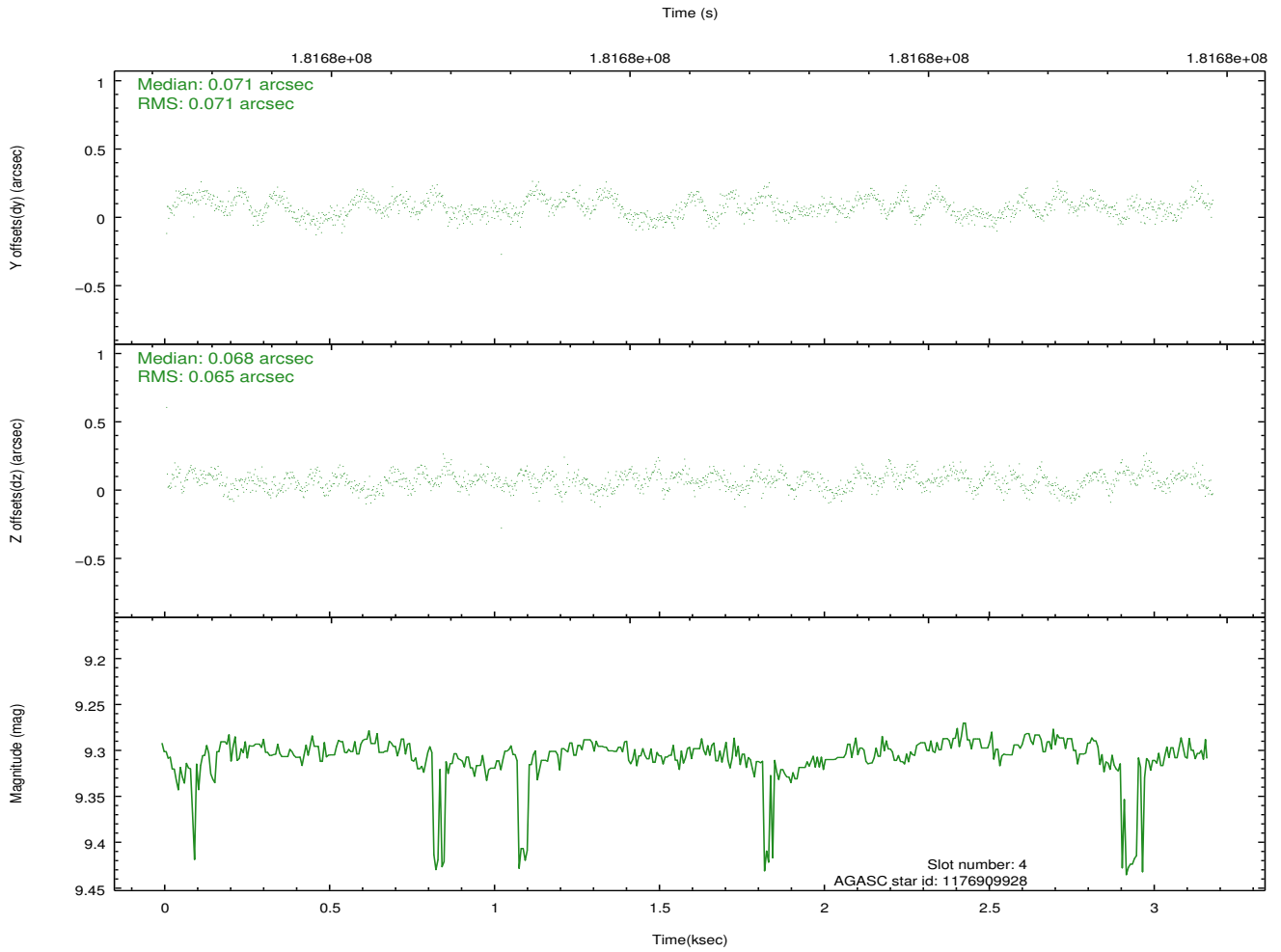
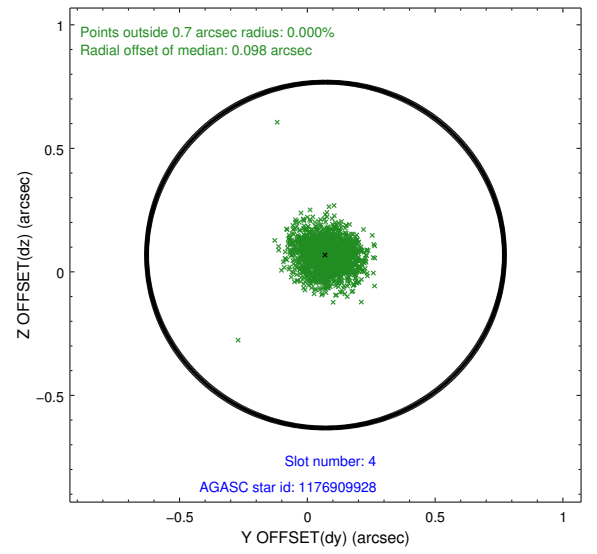
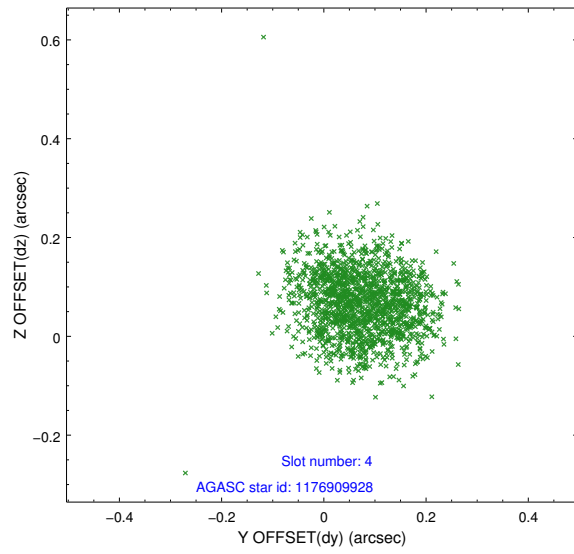
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	774	0.020	-0.010	0.009	0.014	0.000000	0.000000	936.20	-1726.65
1	FID	ACIS-S-5	7.23	774	-0.038	0.023	0.006	0.010	0.000000	0.000000	-1811.74	168.86
2	FID	ACIS-S-6	7.34	774	-0.004	-0.000	0.010	0.017	0.000000	0.000000	399.55	815.08
3	GUIDE	1176908952	9.28	1548	-0.062	-0.008	0.085	0.137	187.105821	-63.349650	-706.10	1921.93
4	GUIDE	1176909928	9.30	1535	0.071	0.068	0.102	0.159	185.710247	-63.375063	1532.84	2183.66
5	GUIDE	1176910784	9.27	1547	-0.032	0.031	0.074	0.122	187.406095	-63.272390	-1172.58	1615.66
6	GUIDE	1176896096	8.74	1547	0.056	-0.071	0.070	0.125	185.653077	-62.215982	1986.52	-1965.81
7	GUIDE	1176895568	9.28	1545	-0.033	-0.013	0.085	0.134	186.914170	-62.470395	-183.01	-1217.12

2.4 Star Slots

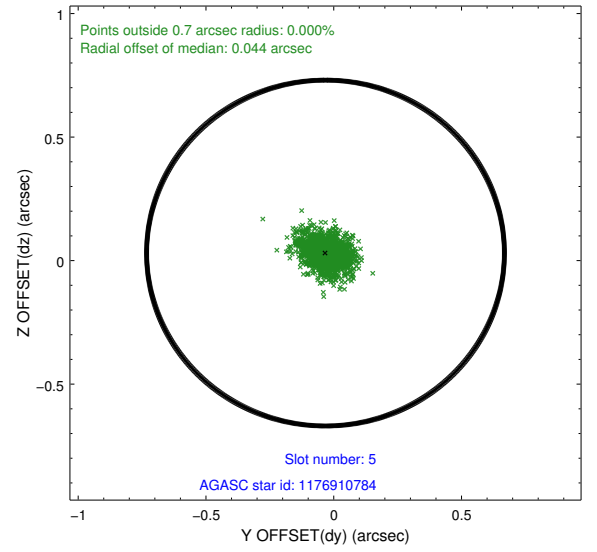
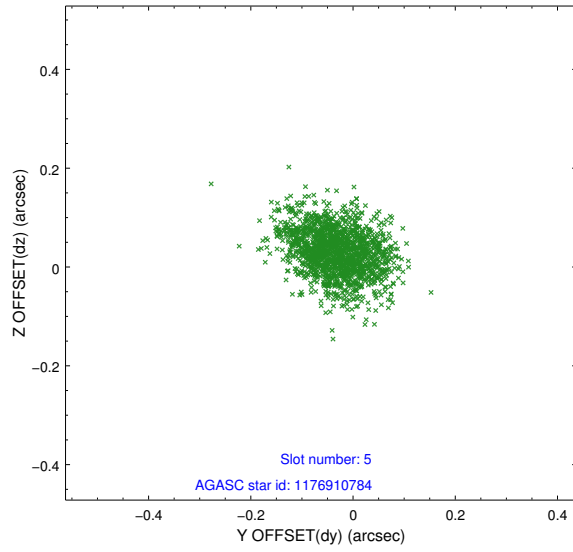
2.4.1 Slot 3



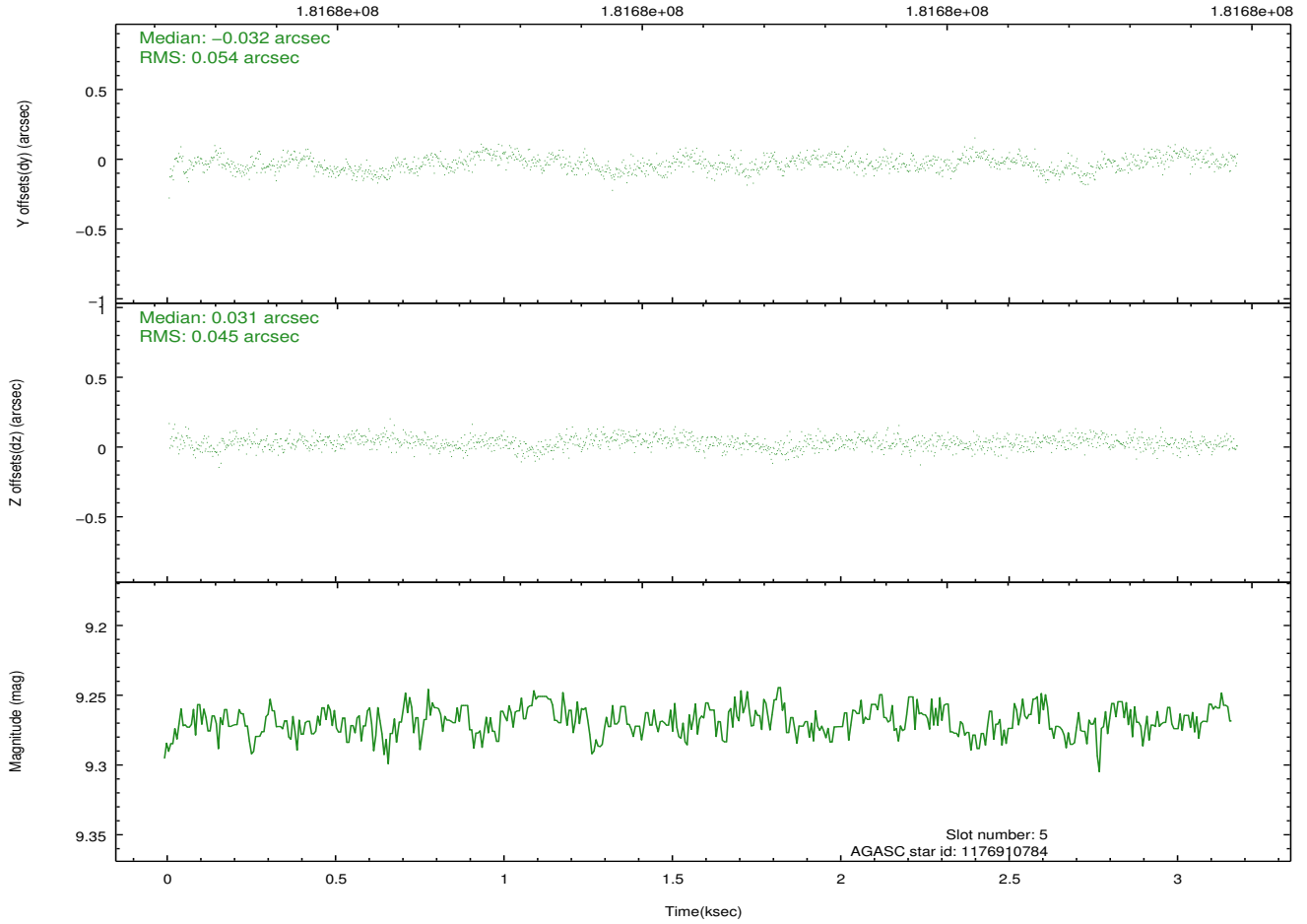
2.4.2 Slot 4



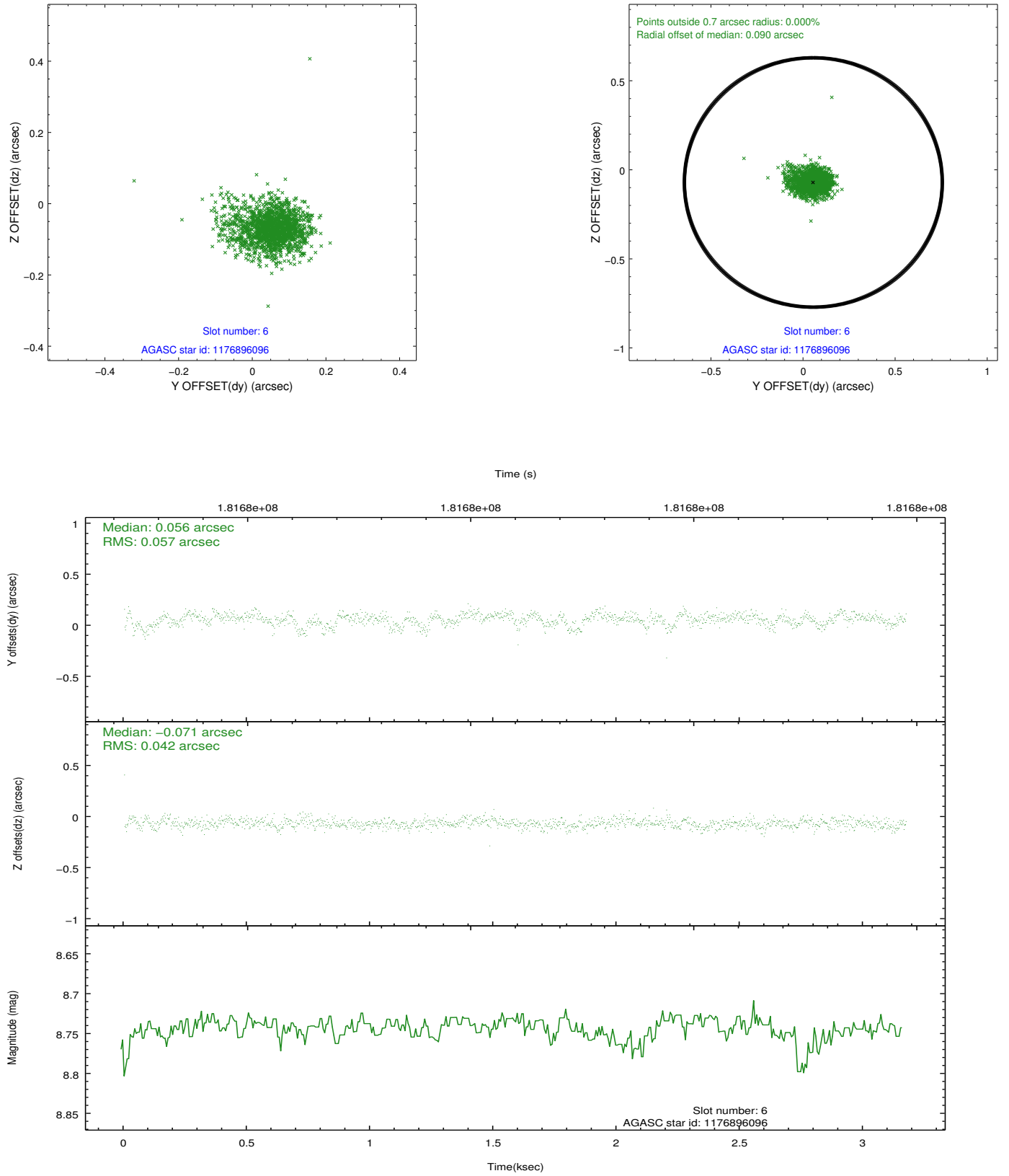
2.4.3 Slot 5



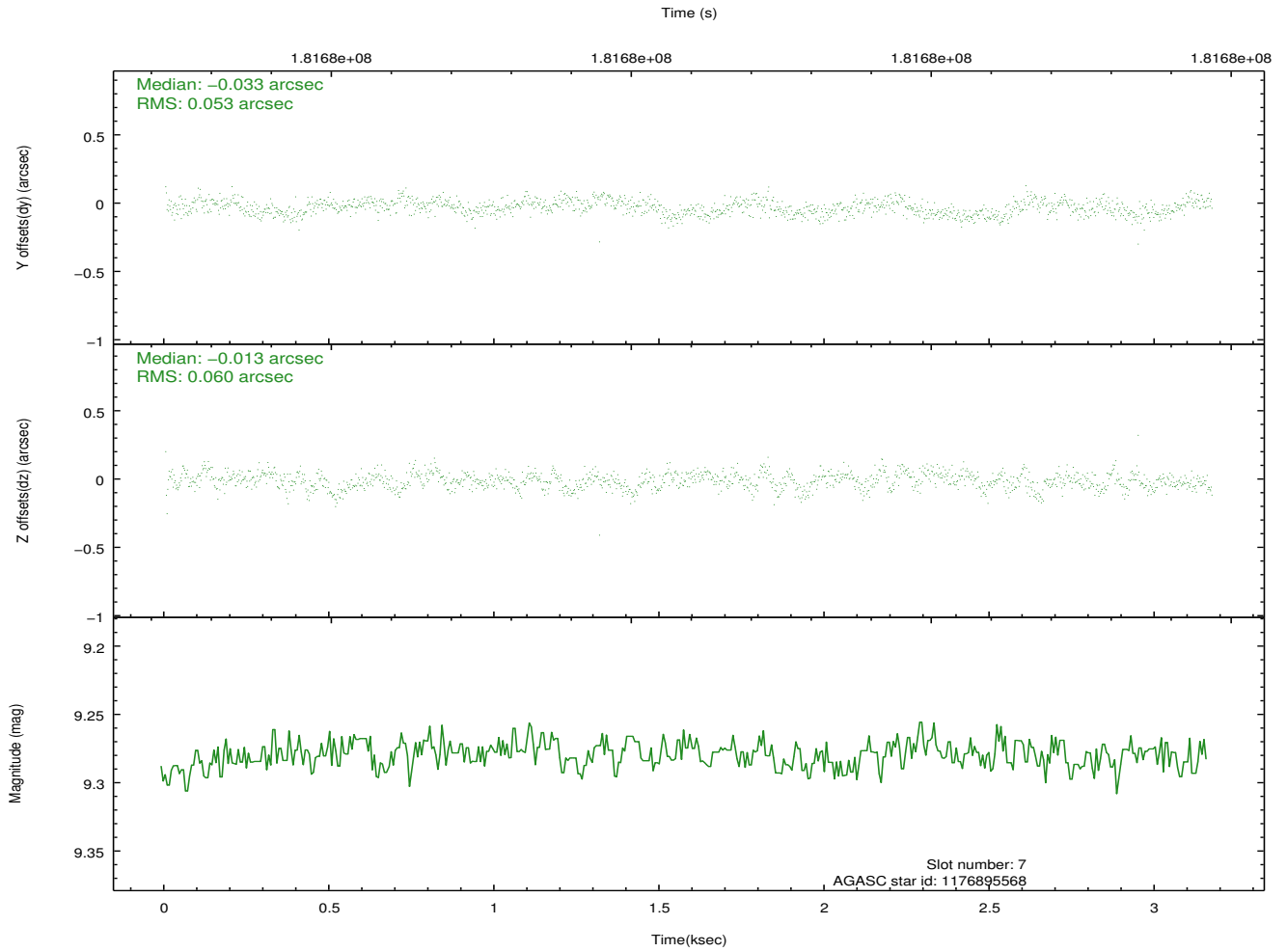
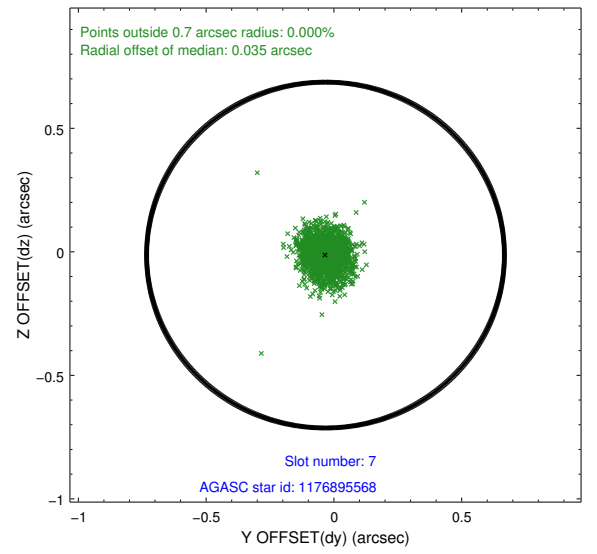
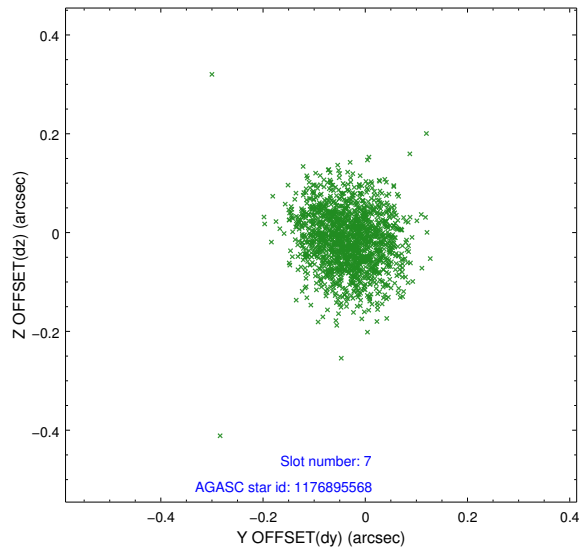
Time (s)



2.4.4 Slot 6

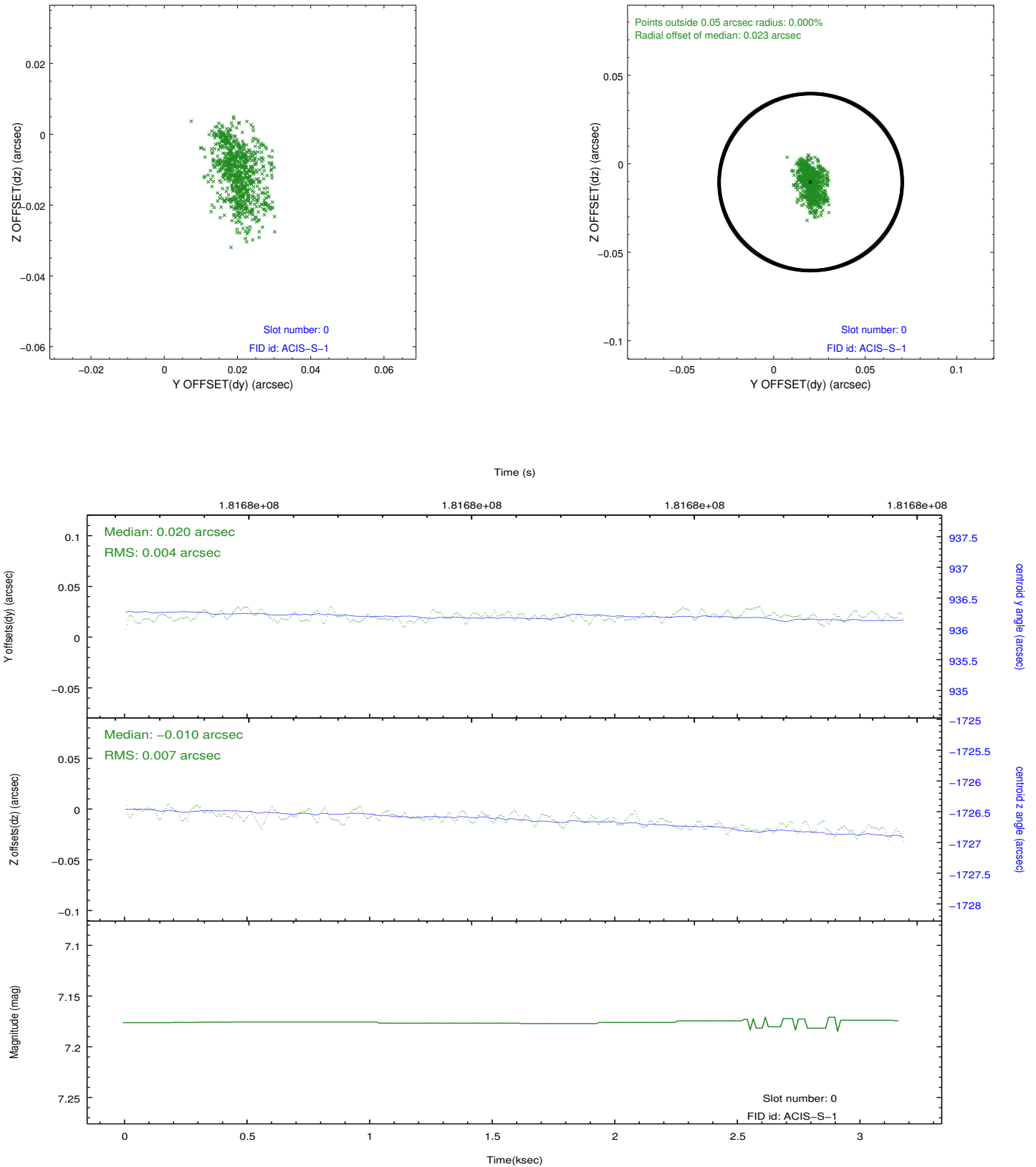


2.4.5 Slot 7

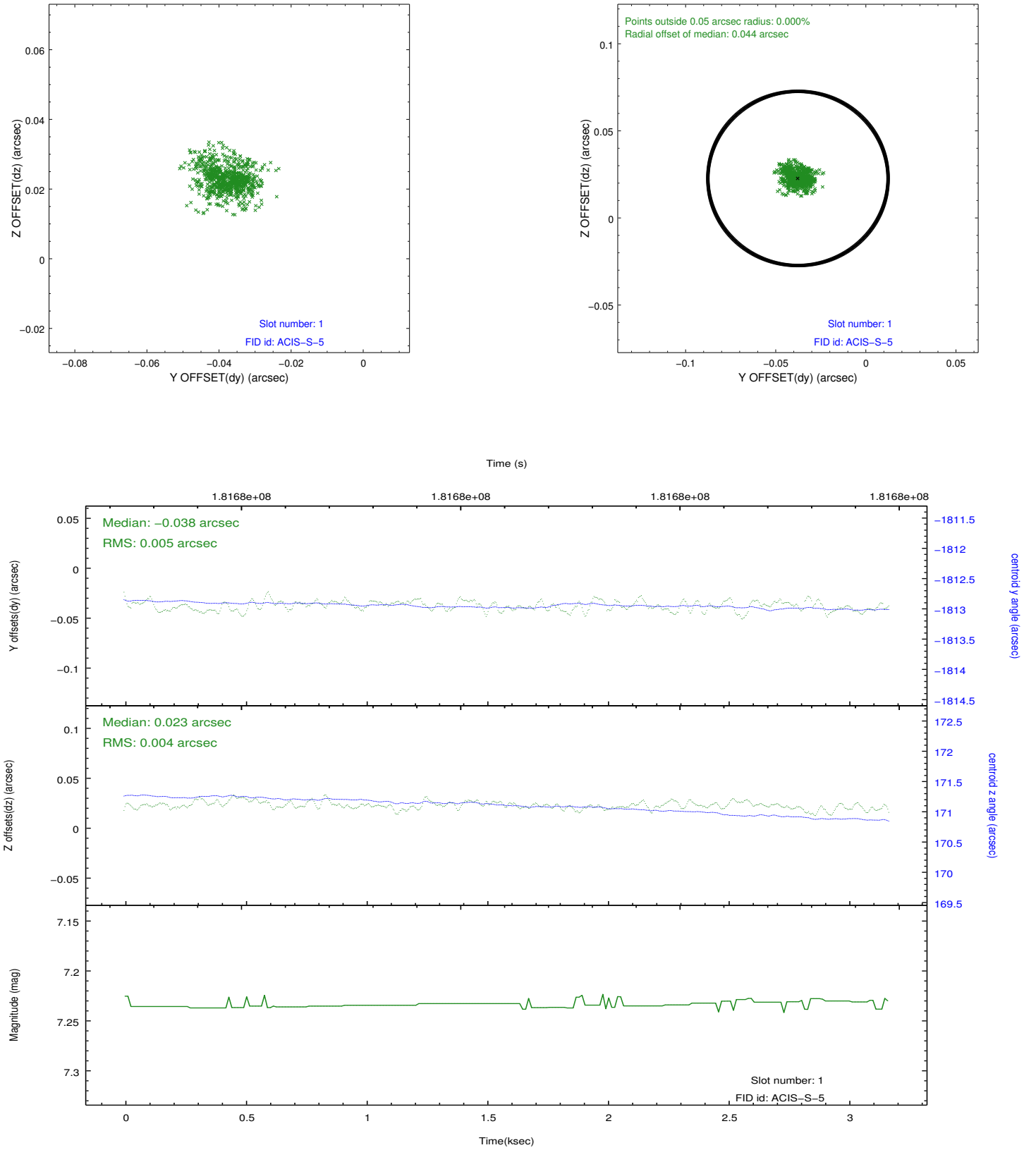


2.5 FID Slots

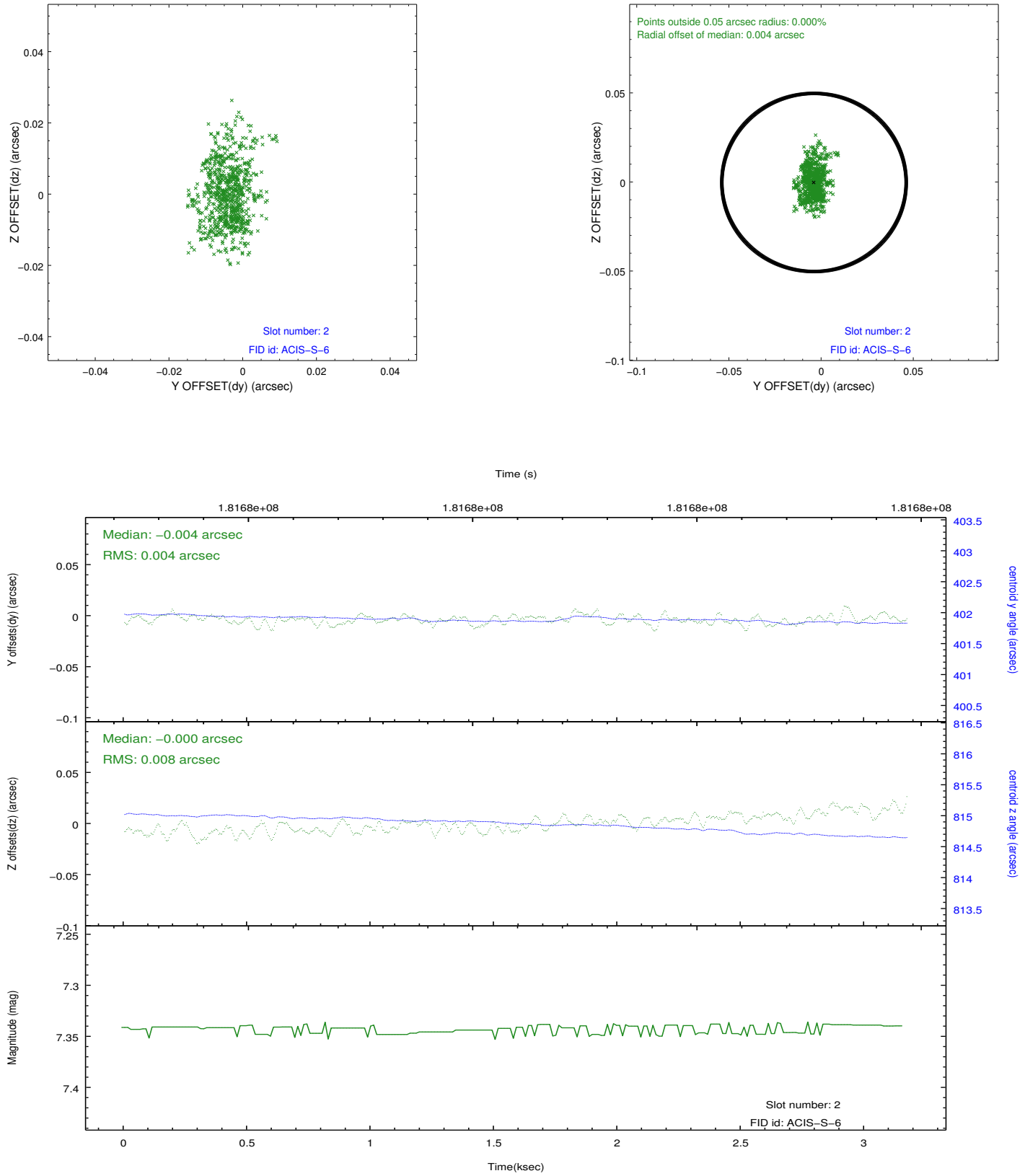
2.5.1 Slot 0



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)	2012.11.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.03

A.2 Comments