

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8700 - L2 Version 2
Chandra X-Ray Center

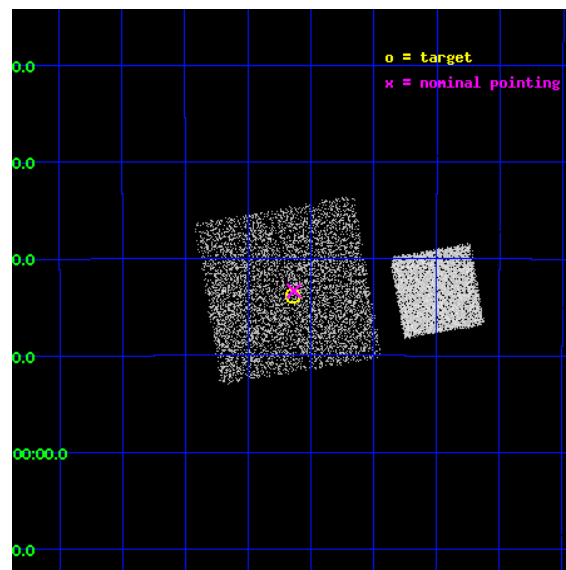
L2 Processing Date : May 15 2012

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1 Front

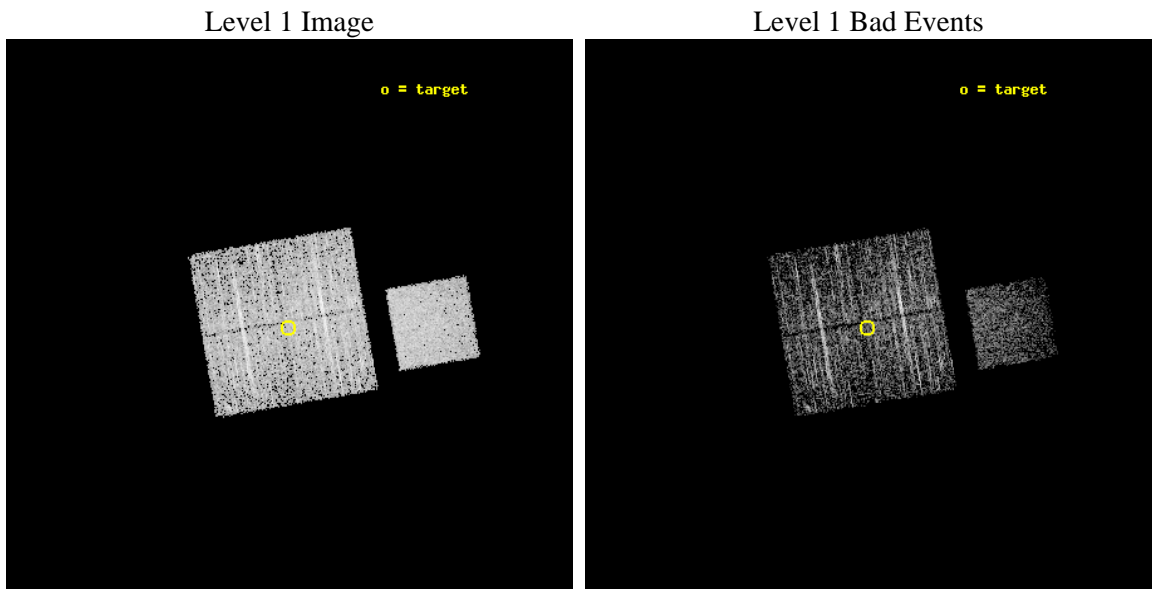
seq_num	400751	Sequence number
obs_id	8700	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	Prof Mariano Mendez	Principal investigator
object	GBSGTO6	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	264.535146	Observer's specified target RA [deg]
dec_targ	-28.730214	Observer's specified target Dec [deg]
ra_nom	264.53383155351	Nominal RA [deg]
dec_nom	-28.722136425282	Nominal Dec [deg]
roll_nom	80.208078791832	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2182.4000167847	Sum of GTIs [s]
livetime	2153.8853539059	Livetime [s]
ontime0	2182.4000167847	Sum of GTIs [s]
ontime1	2182.4000167847	Sum of GTIs [s]
ontime2	2182.4000167847	Sum of GTIs [s]
ontime3	2182.4000167847	Sum of GTIs [s]
ontime7	2182.4000167847	Sum of GTIs [s]
l2events	16123	Number of level 2 events



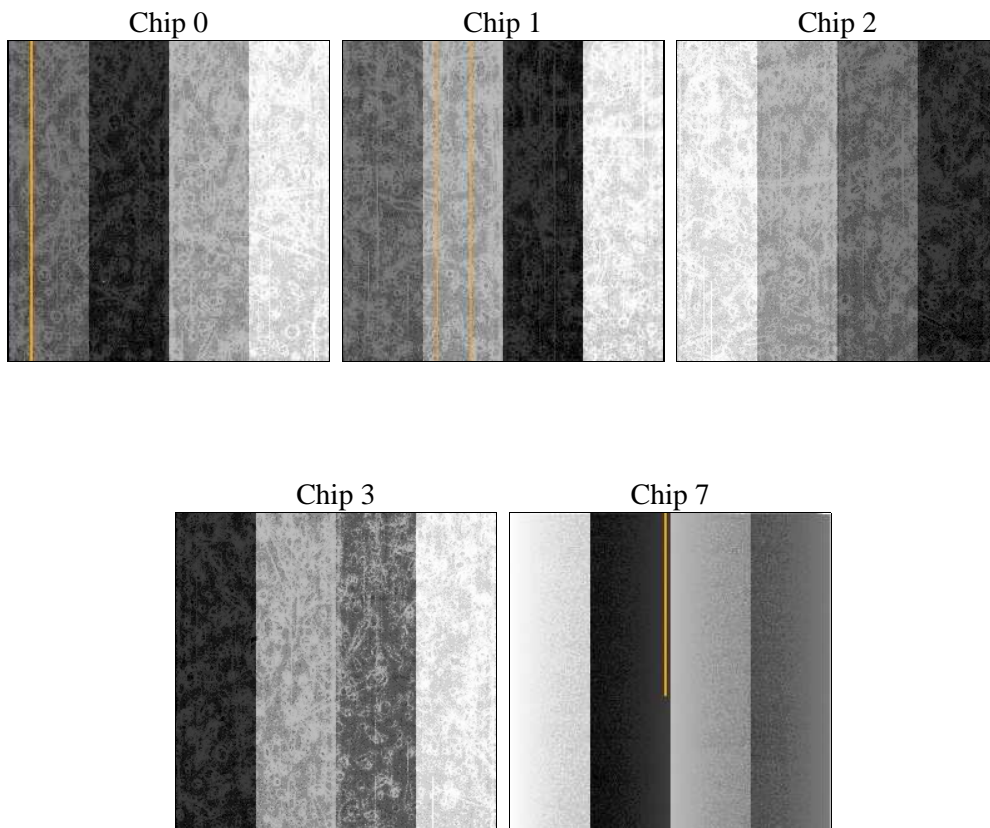
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	2182.4000167847	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	2182.4000167847	Sum of GTIs [s]
date	2012-05-15T03:05:31	Date and time of file creation	ontime1	2182.4000167847	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2182.4000167847	Sum of GTIs [s]
			ontime3	2182.4000167847	Sum of GTIs [s]
			ontime7	2182.4000167847	Sum of GTIs [s]
			l1events	101611	Number of level 1 events

2.1.4 Events

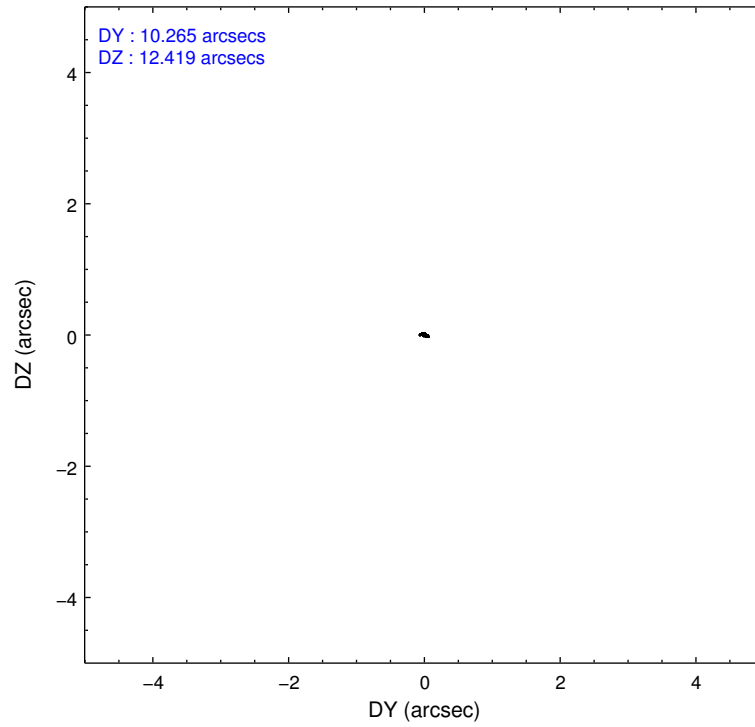
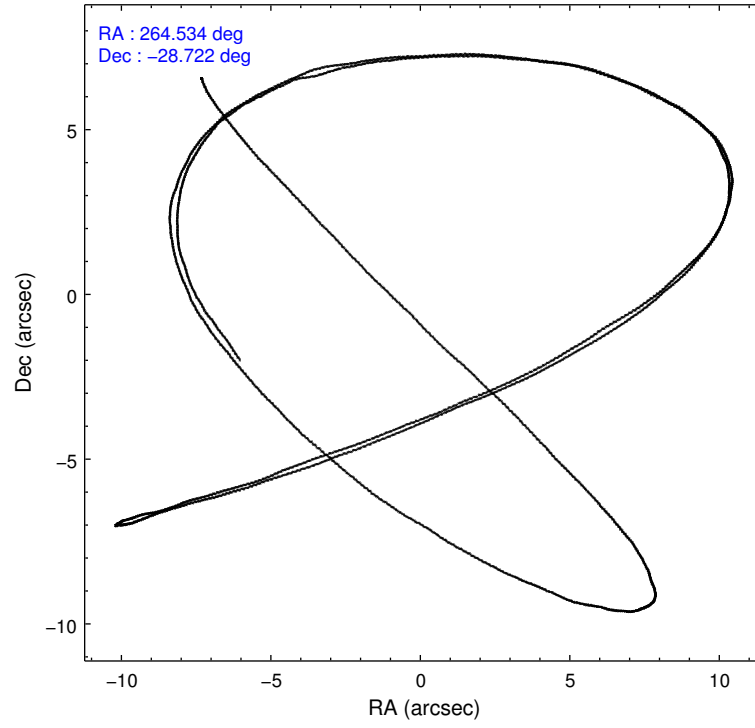
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	17981	18693	21094	20844	22999
rejected events	15925	16446	18950	18877	13642
rejected %	88%	87%	89%	90%	59%

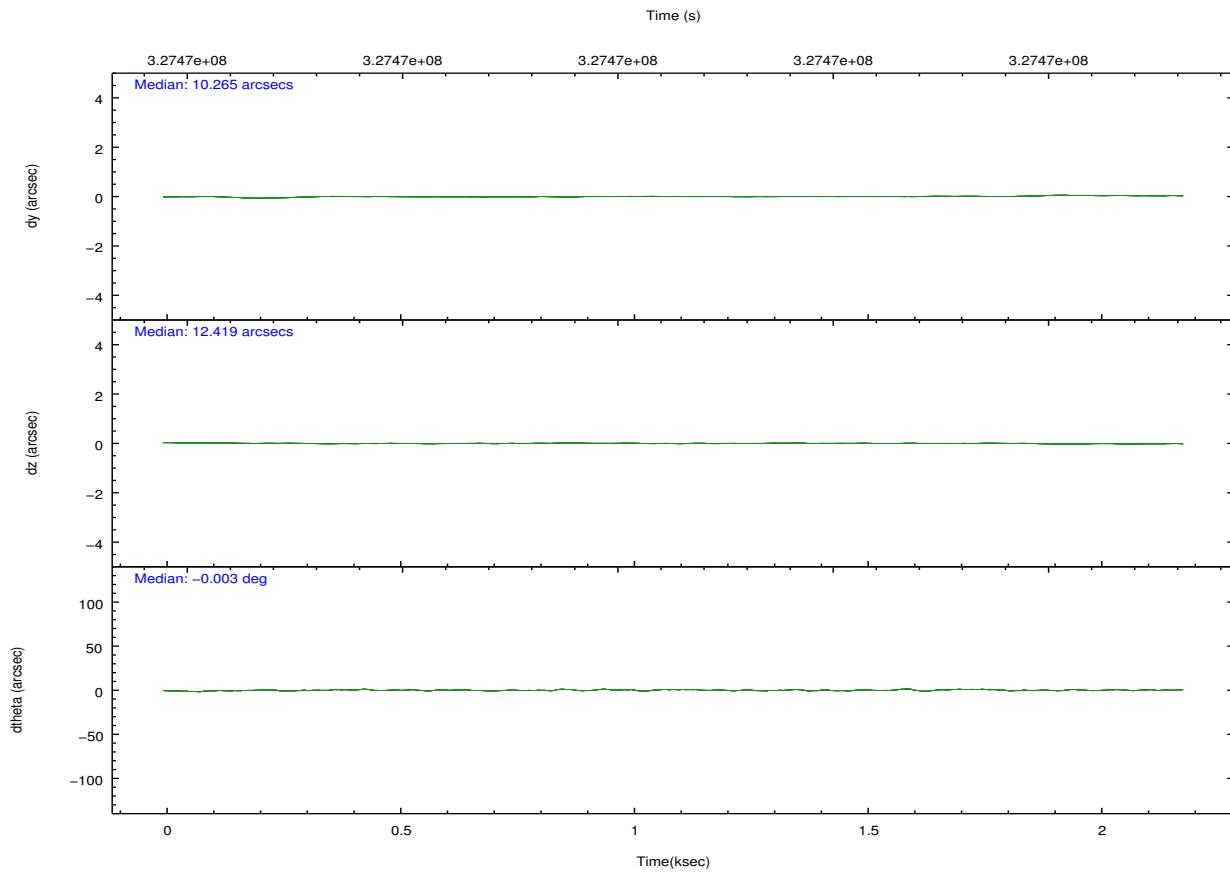
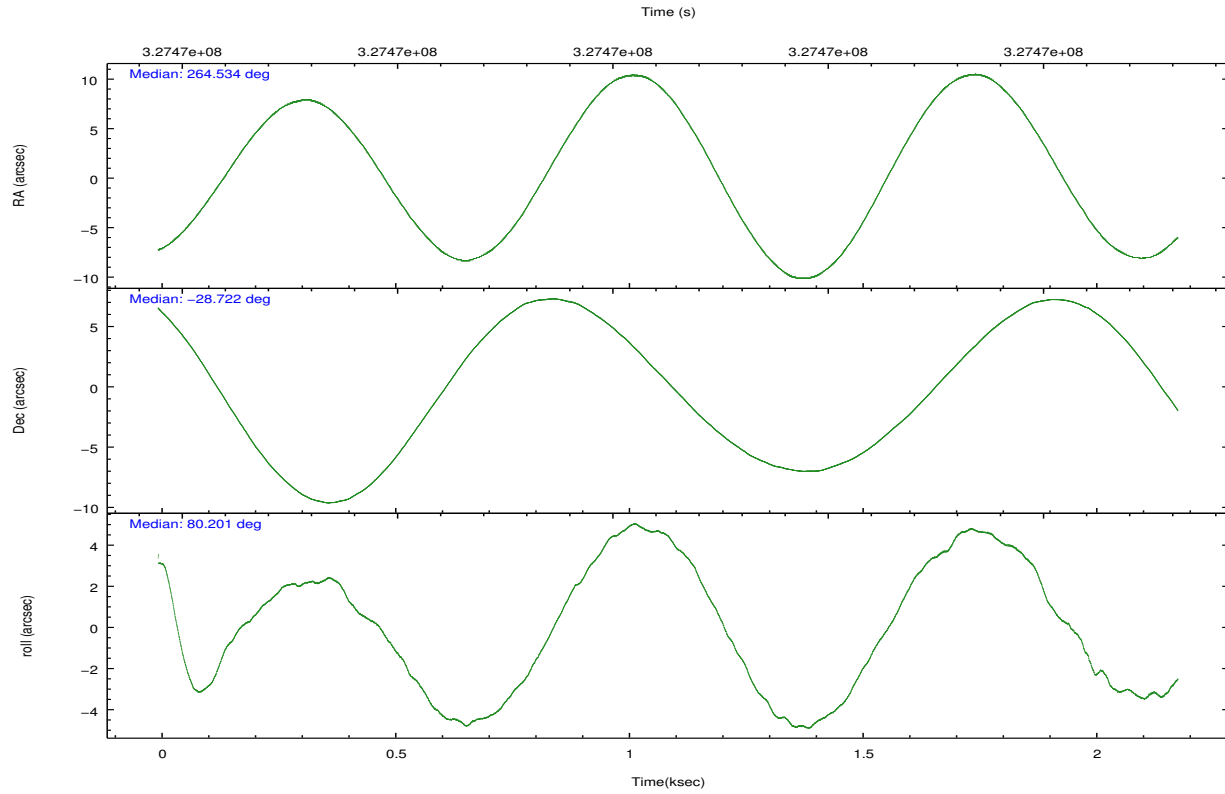
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	955	1073	1030	921	1099
	5%	5%	4%	4%	4%
grade 1 events	15	9	20	11	28
	0%	0%	0%	0%	0%
grade 2 events	520	548	560	481	2238
	2%	2%	2%	2%	9%
grade 3 events	239	249	201	226	1012
	1%	1%	0%	1%	4%
grade 4 events	226	264	244	194	1000
	1%	1%	1%	0%	4%
grade 5 events	691	747	647	803	2314
	3%	3%	3%	3%	10%
grade 6 events	396	442	403	414	5378
	2%	2%	1%	1%	23%
grade 7 events	14939	15361	17989	17794	9930
	83%	82%	85%	85%	43%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01237	ACIS-01237	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	264.544894	264.5338315535068	CCD I2 on	Y	Y
[deg] Pointing Dec	-28.747960	-28.72213642528192	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004691	80.20807879183229	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	N	N
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O1	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	327467214.184000	327466838.28288	CCD S5 on	N	N
Observation start date	2008-05-18T03:05:49	2008-05-18T03:00:38	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327469214.184000	327469347.99551	On-chip summing requested	N	N
Observation end date	2008-05-18T03:39:09	2008-05-18T03:42:27	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



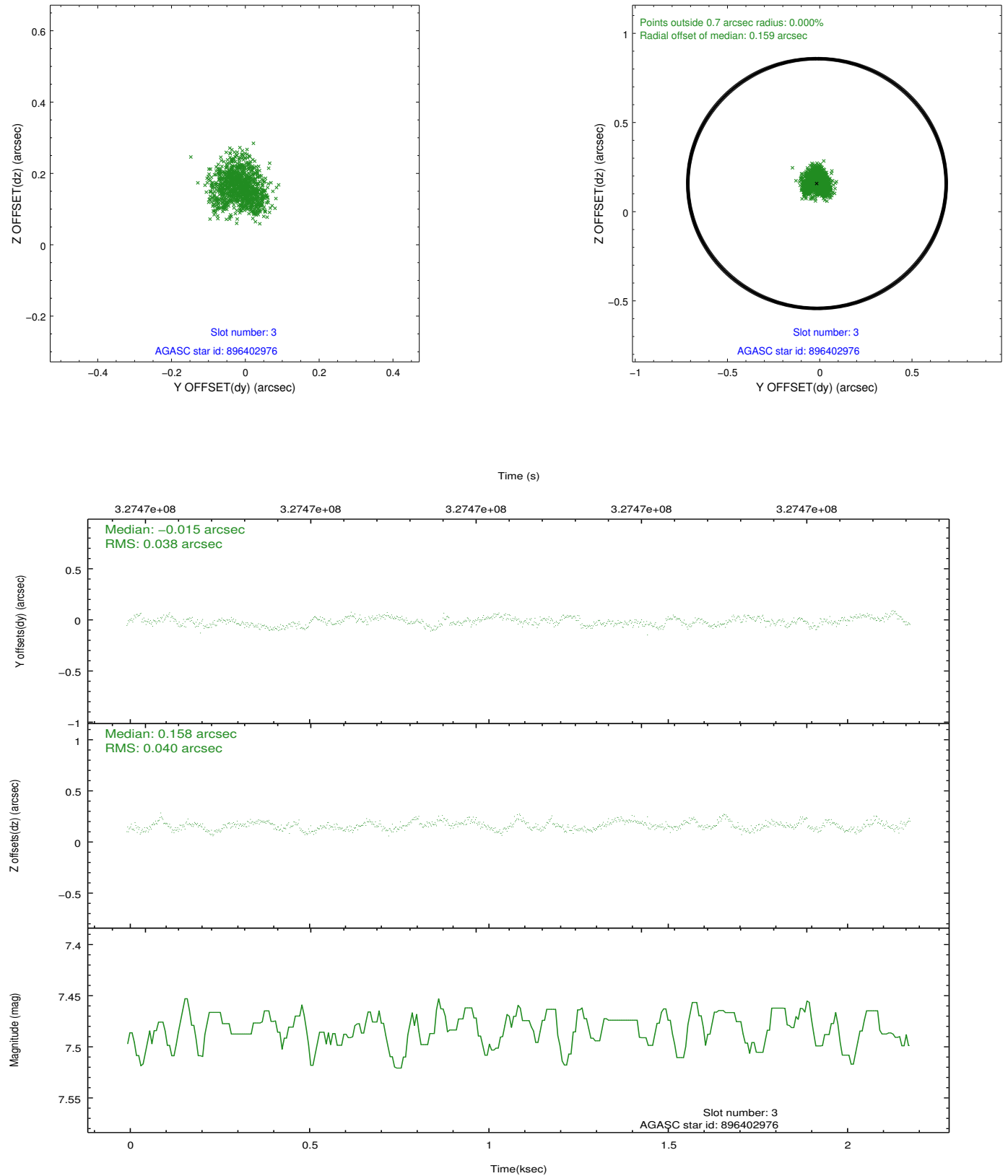


Slot Statistics

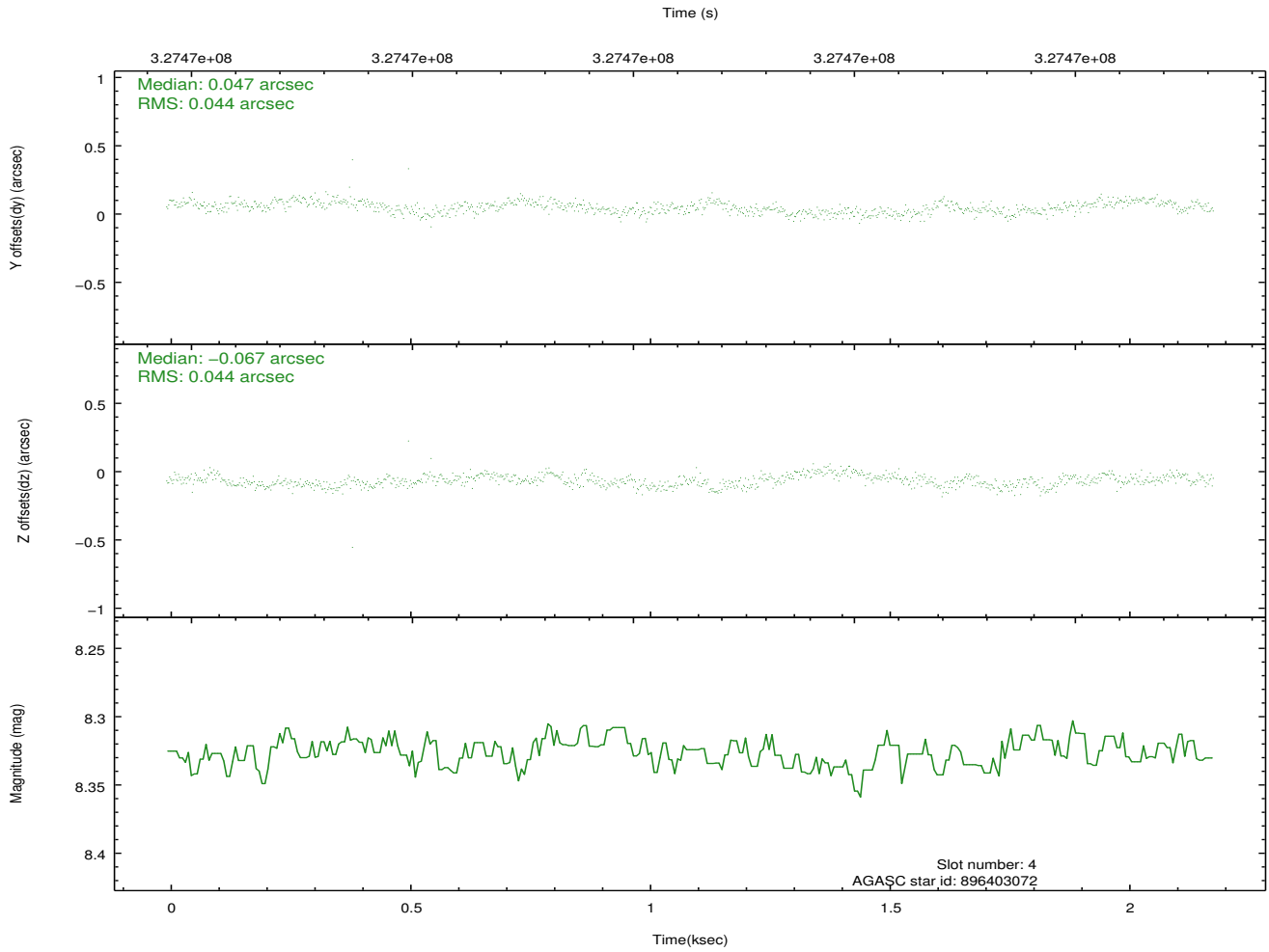
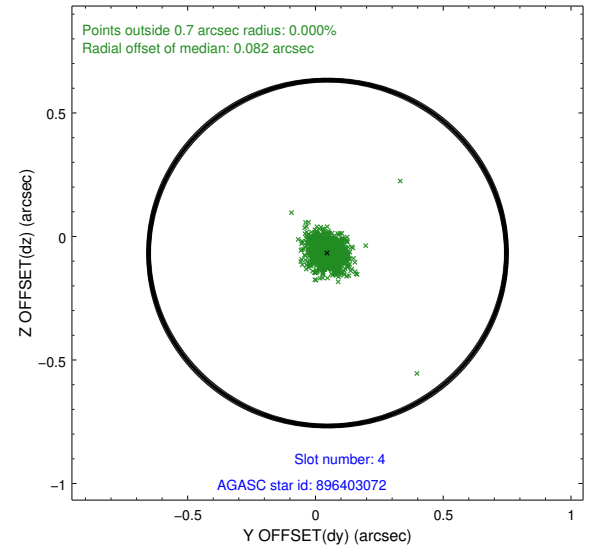
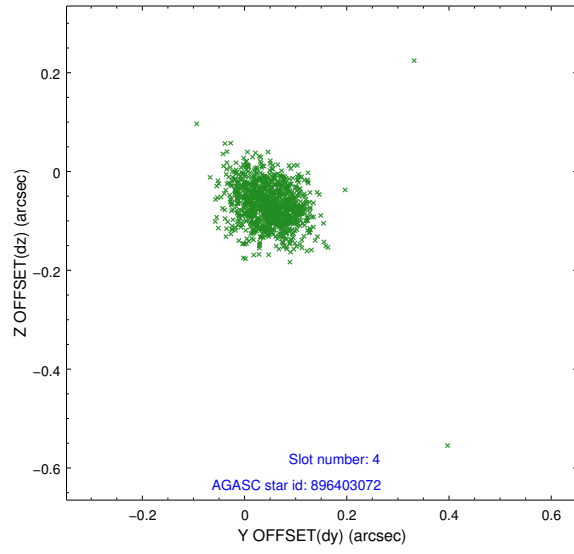
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.04	533	0.011	-0.054	0.008	0.015	0.000000	0.000000	929.34	-836.00
1	FID	ACIS-I-4	6.97	533	0.098	0.056	0.008	0.014	0.000000	0.000000	2151.12	1062.44
2	FID	ACIS-I-5	7.01	533	-0.207	0.069	0.008	0.014	0.000000	0.000000	-1815.05	1063.66
3	GUIDE	896402976	7.48	1066	-0.015	0.158	0.061	0.092	265.099474	-28.923203	-321.80	-1831.26
4	GUIDE	896403072	8.33	1066	0.047	-0.067	0.062	0.098	263.956439	-28.943077	-1018.51	1700.87
5	GUIDE	896405048	8.28	1066	-0.109	-0.133	0.054	0.091	264.482575	-28.152230	2076.58	568.53
6	GUIDE	896405616	7.83	1066	0.010	0.154	0.070	0.105	264.752771	-28.412560	1304.09	-437.67
7	GUIDE	896276544	8.13	1065	0.066	-0.117	0.083	0.146	263.666616	-29.255819	-2288.48	2396.61

2.4 Star Slots

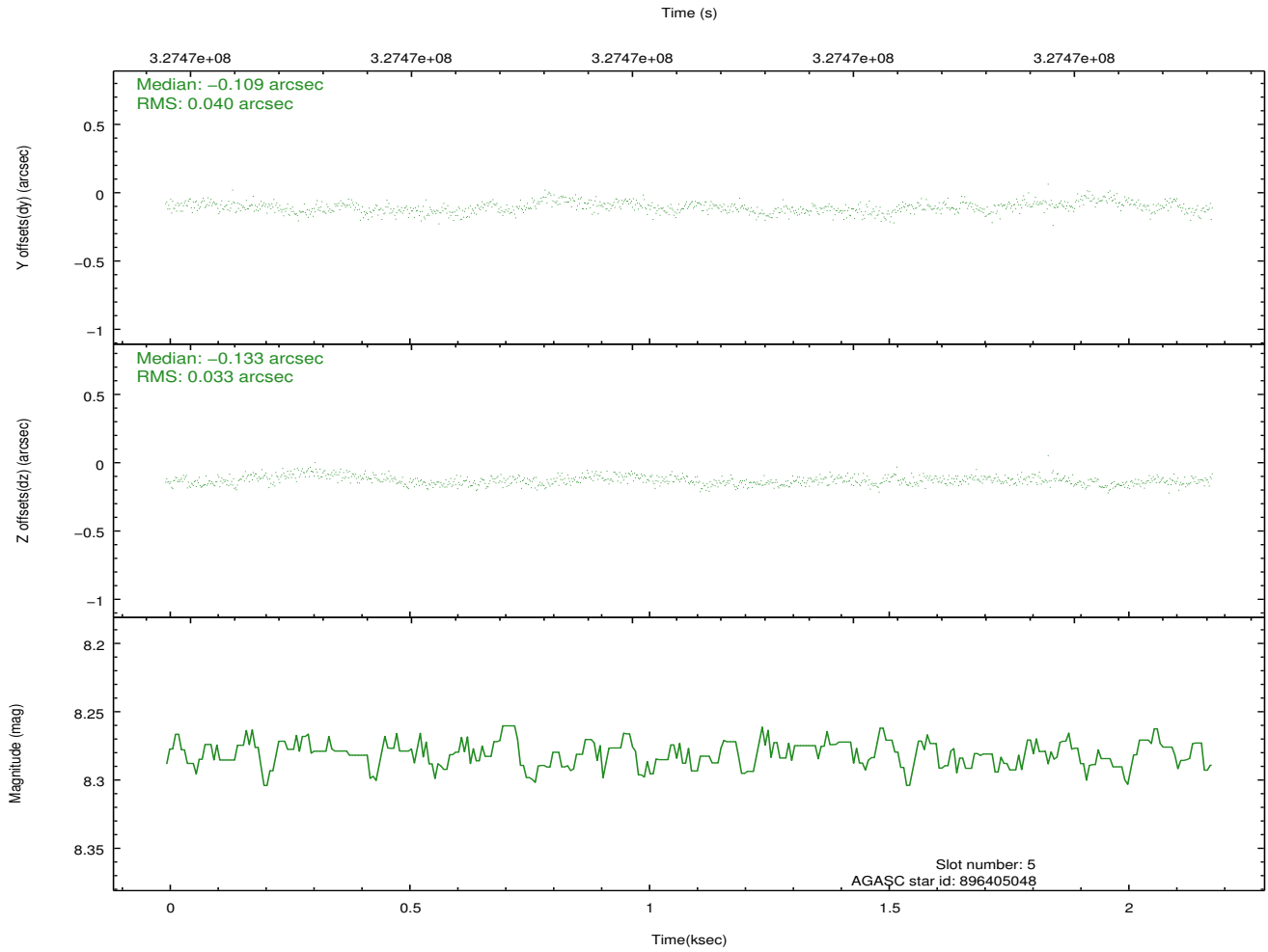
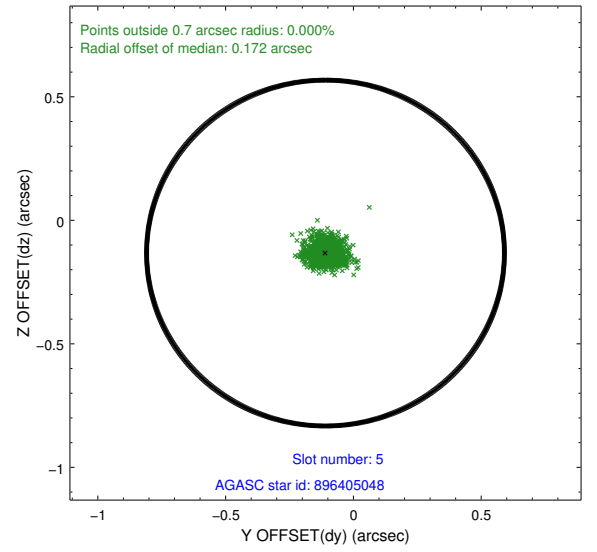
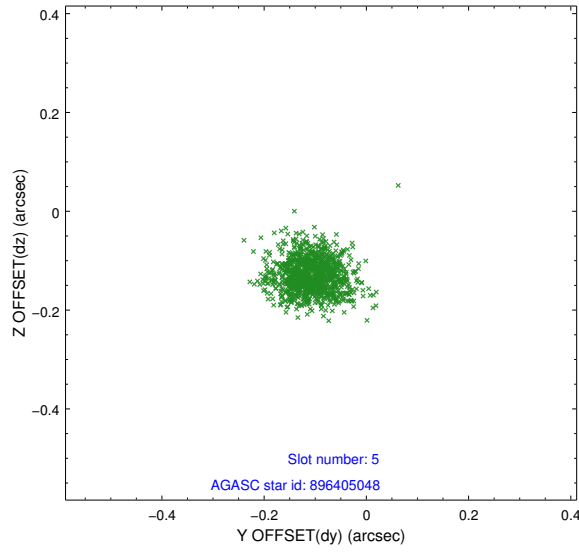
2.4.1 Slot 3



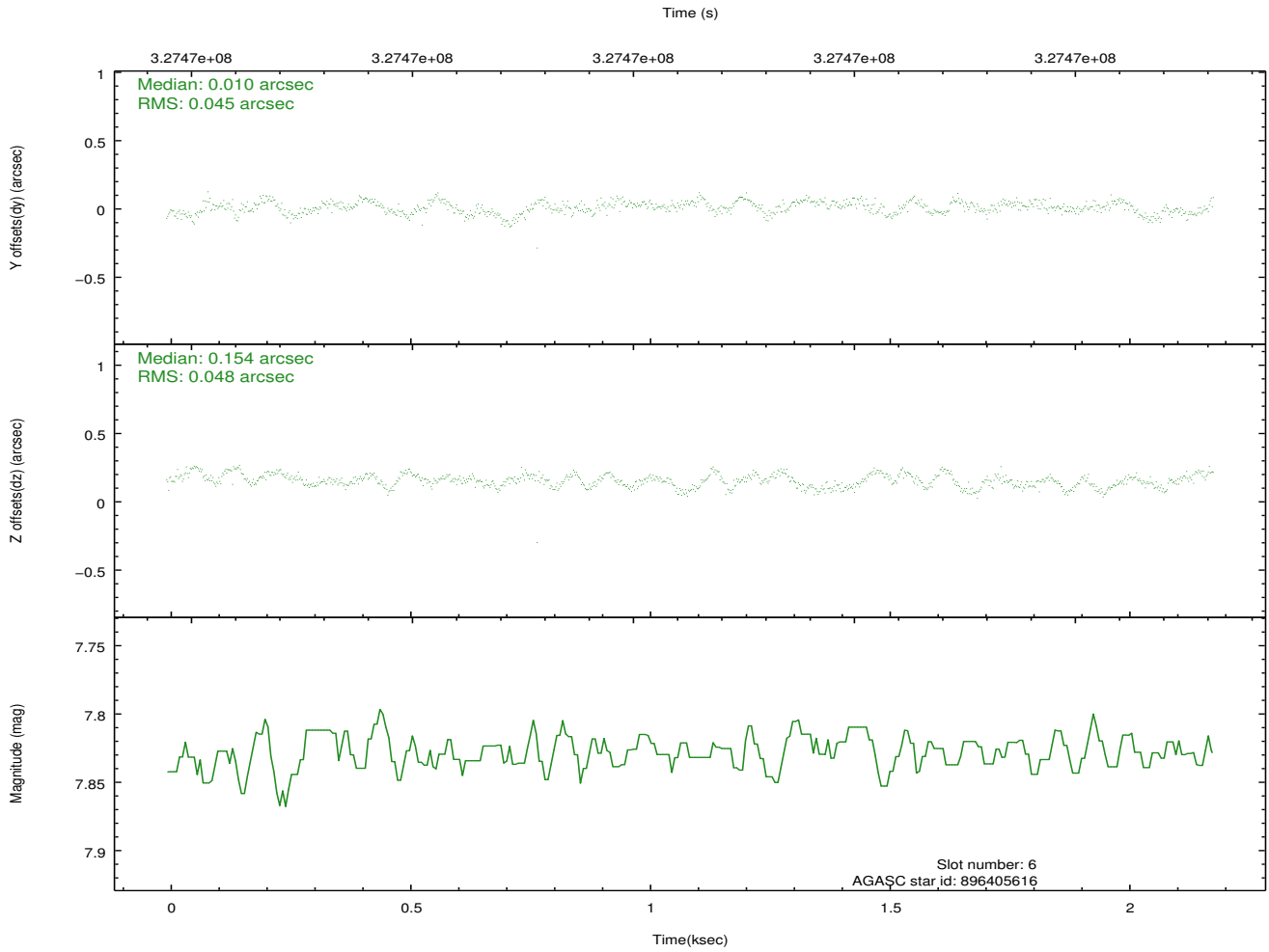
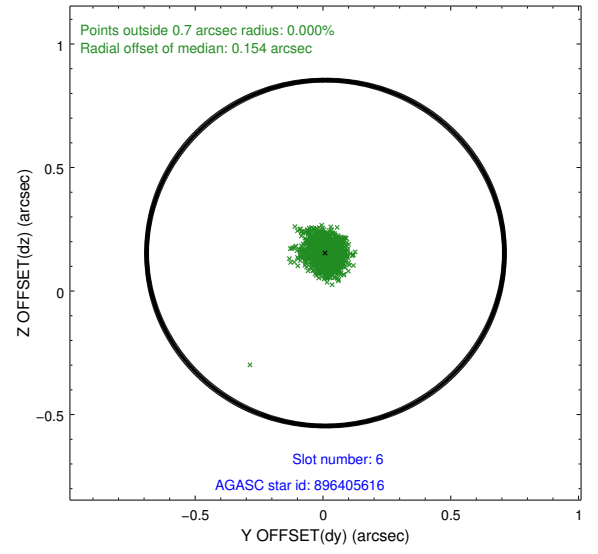
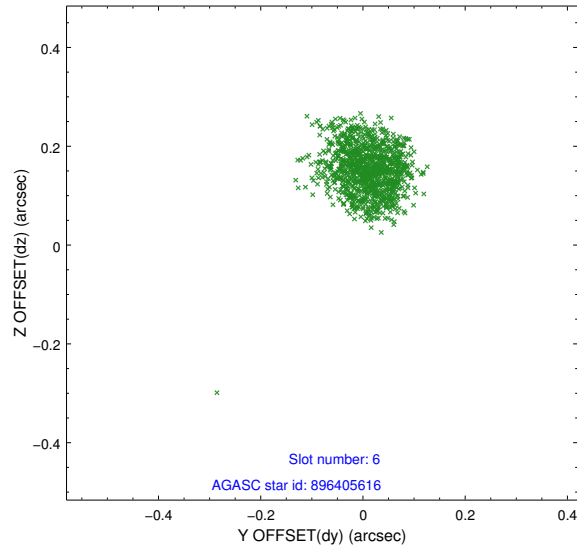
2.4.2 Slot 4



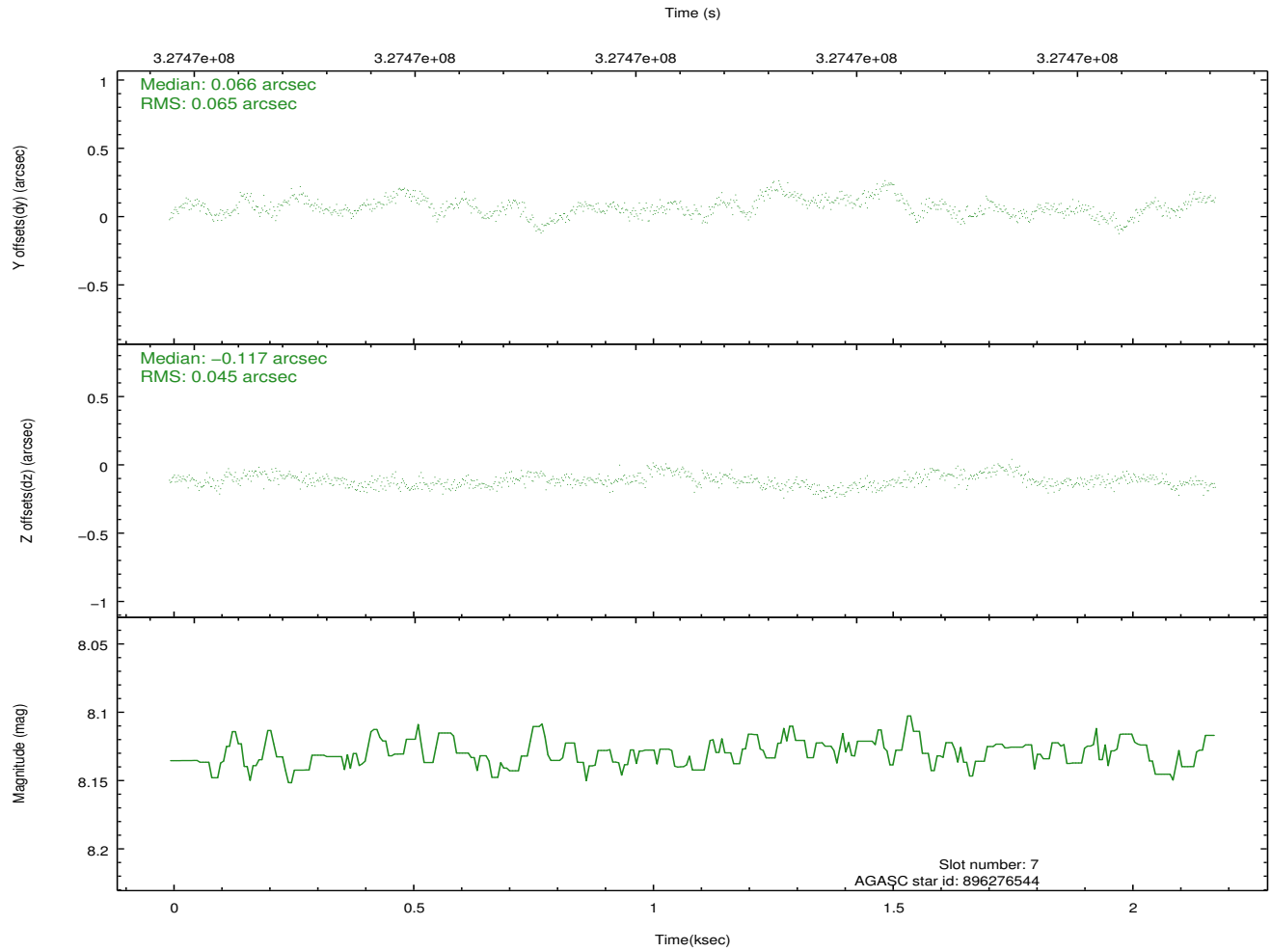
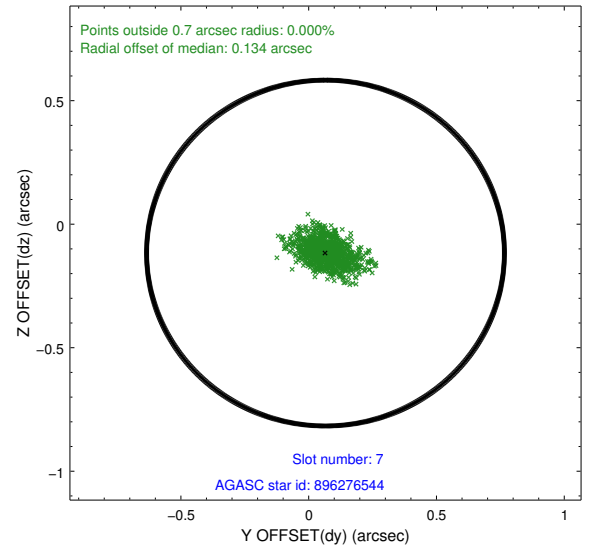
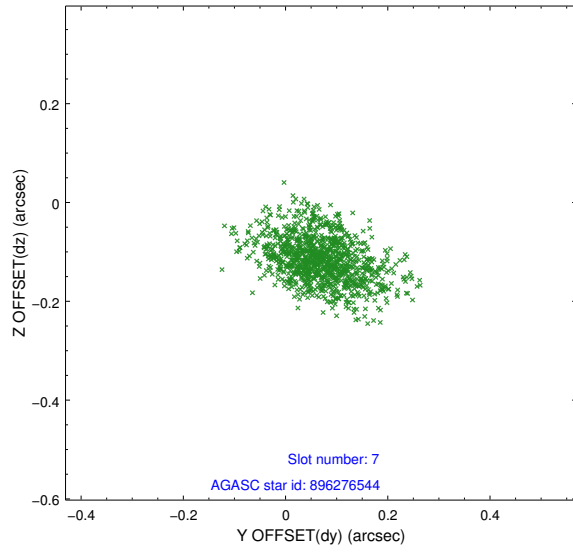
2.4.3 Slot 5



2.4.4 Slot 6

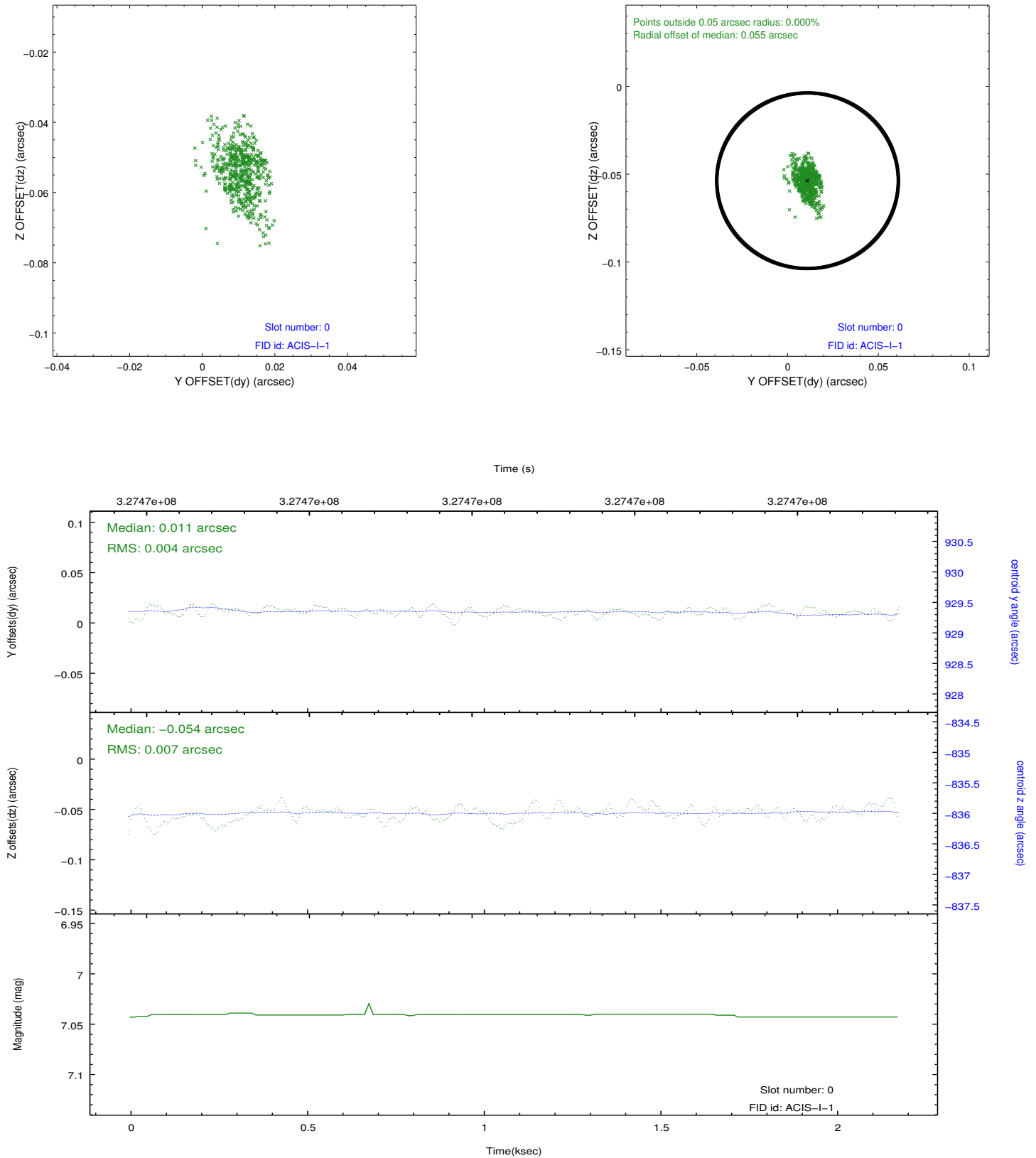


2.4.5 Slot 7

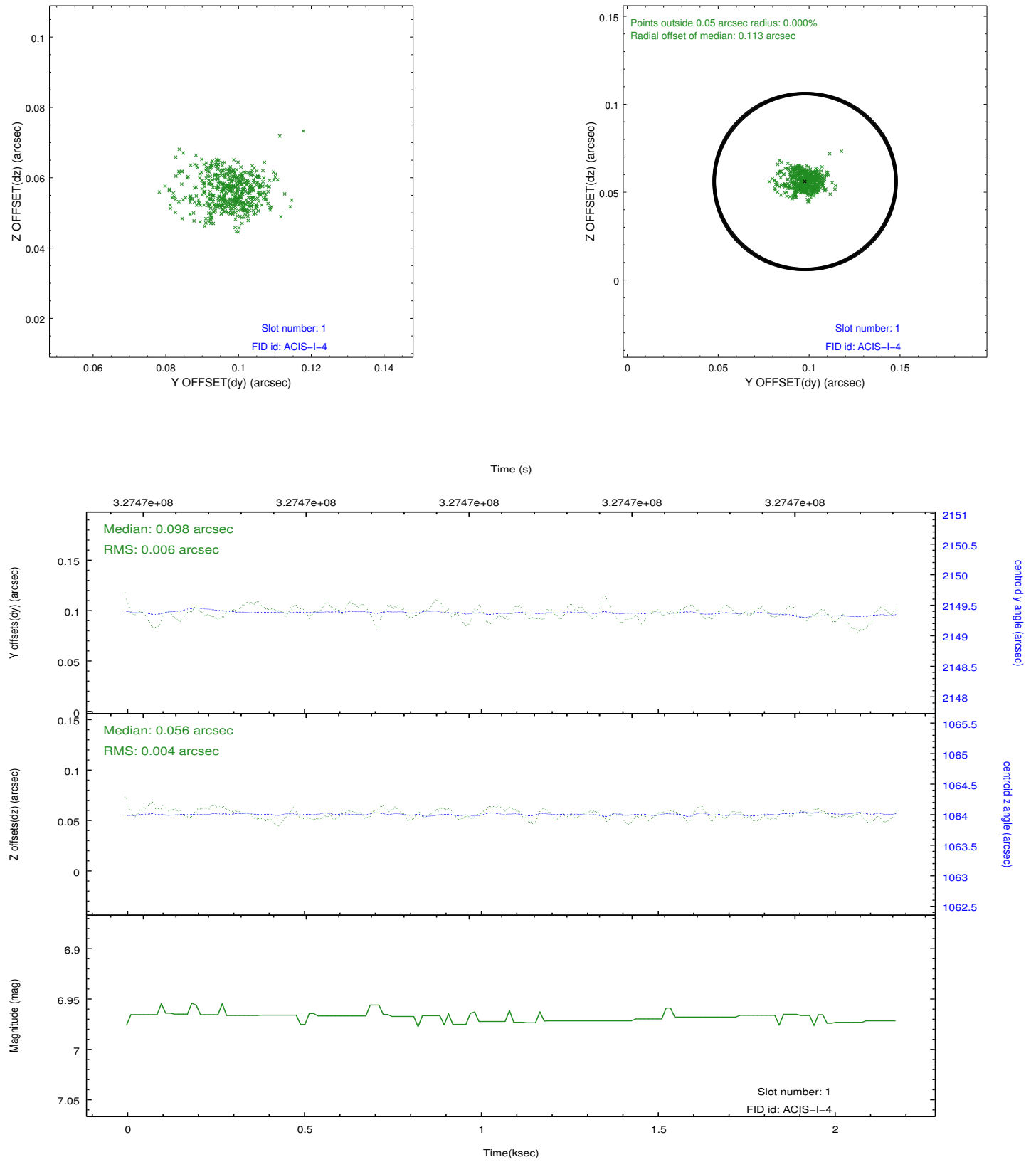


2.5 FID Slots

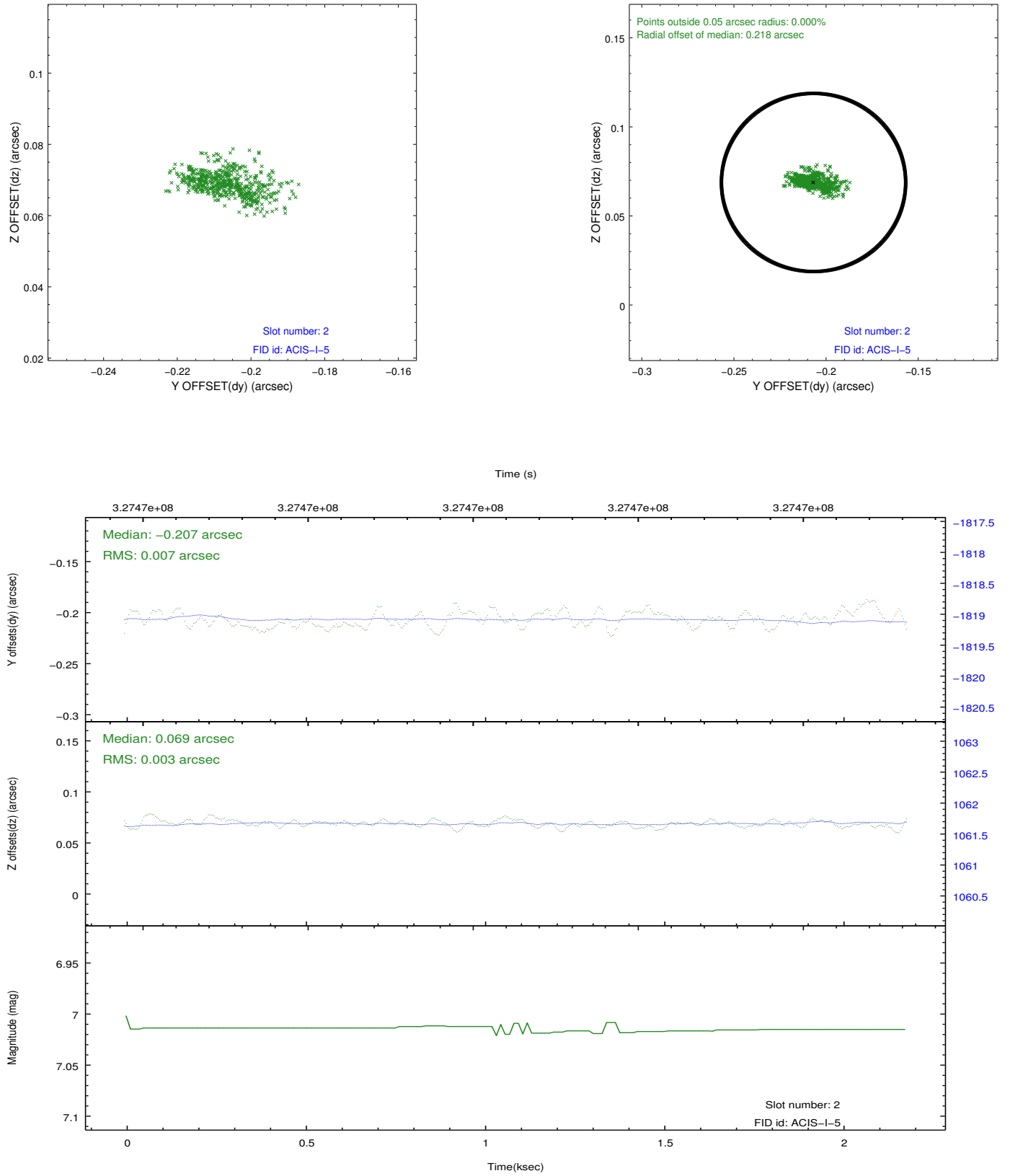
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.05.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.18240001

A.2 Comments