

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8688 - L2 Version 2
Chandra X-Ray Center

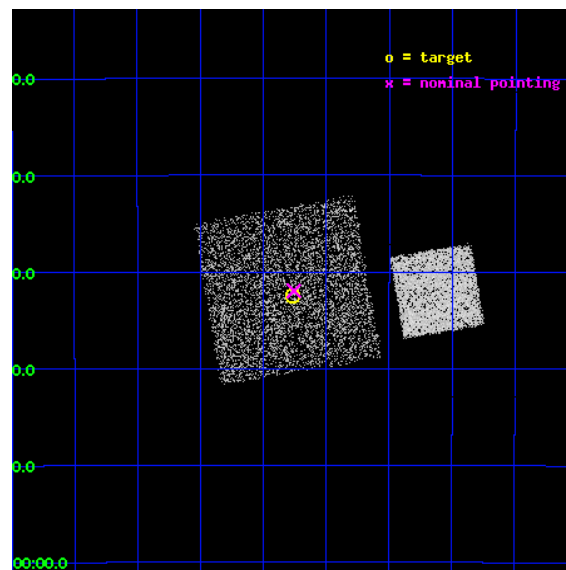
L2 Processing Date : May 15 2012

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1 Front

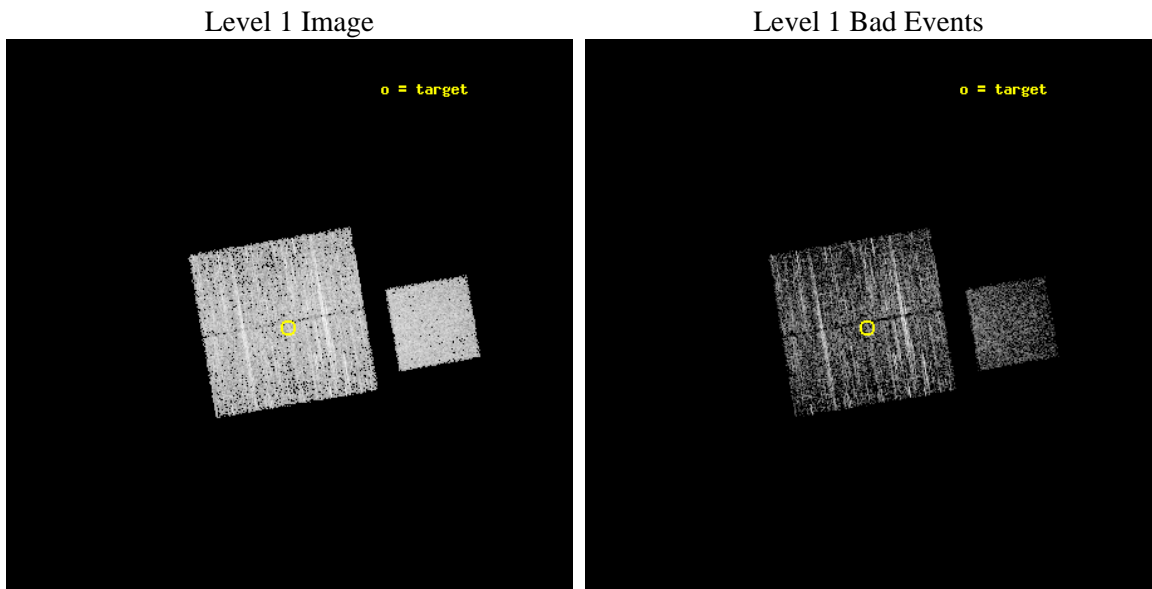
seq_num	400739	Sequence number
obs_id	8688	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	Prof Mariano Mendez	Principal investigator
object	GBSGTO5	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	264.940647	Observer's specified target RA [deg]
dec_targ	-28.540493	Observer's specified target Dec [deg]
ra_nom	264.93930016513	Nominal RA [deg]
dec_nom	-28.532587586682	Nominal Dec [deg]
roll_nom	80.208072783783	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	2179.2590164542	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	15985	Number of level 2 events



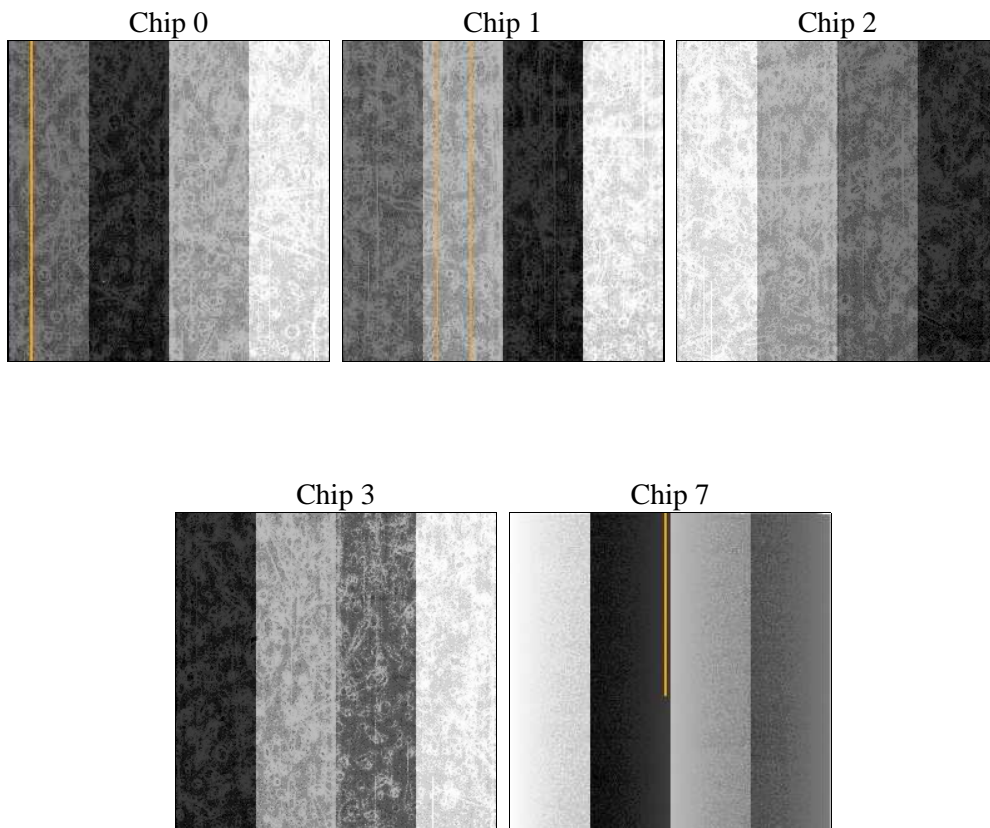
2 OBI

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	2012-05-15T04:52:07	Date and time of file creation	ontime1	2179.2590164542	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	108361	Number of level 1 events

2.1.4 Events

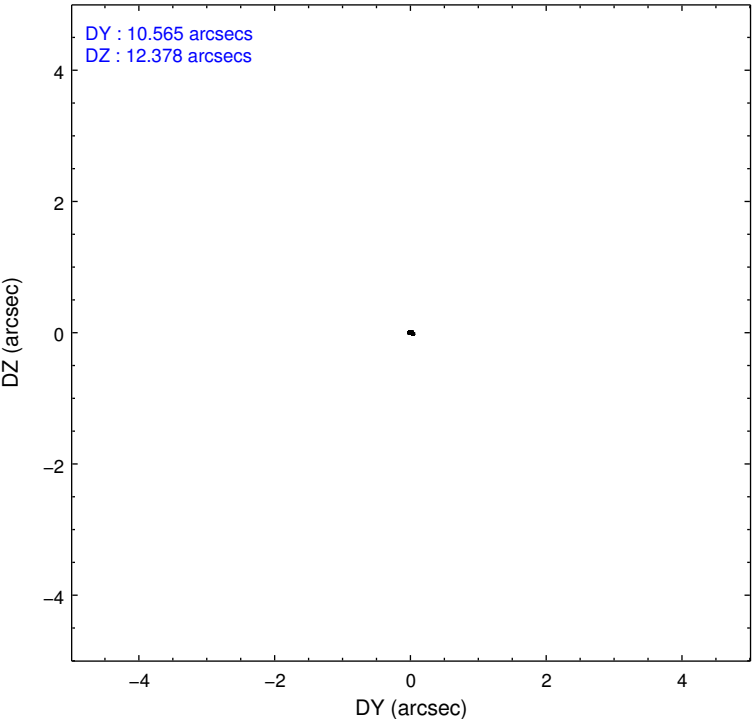
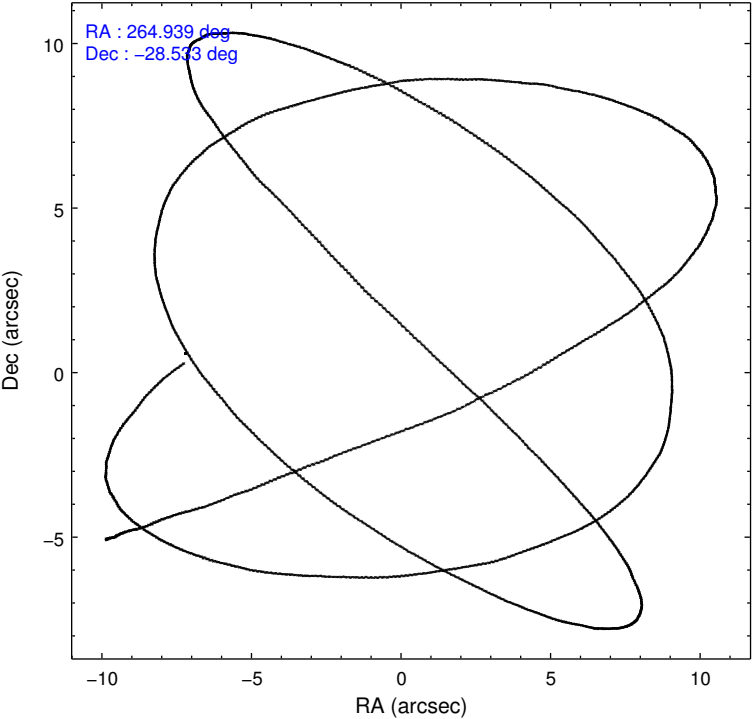
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	19359	19827	22923	22316	23936
rejected events	17358	17539	20844	20472	14582
rejected %	89%	88%	90%	91%	60%

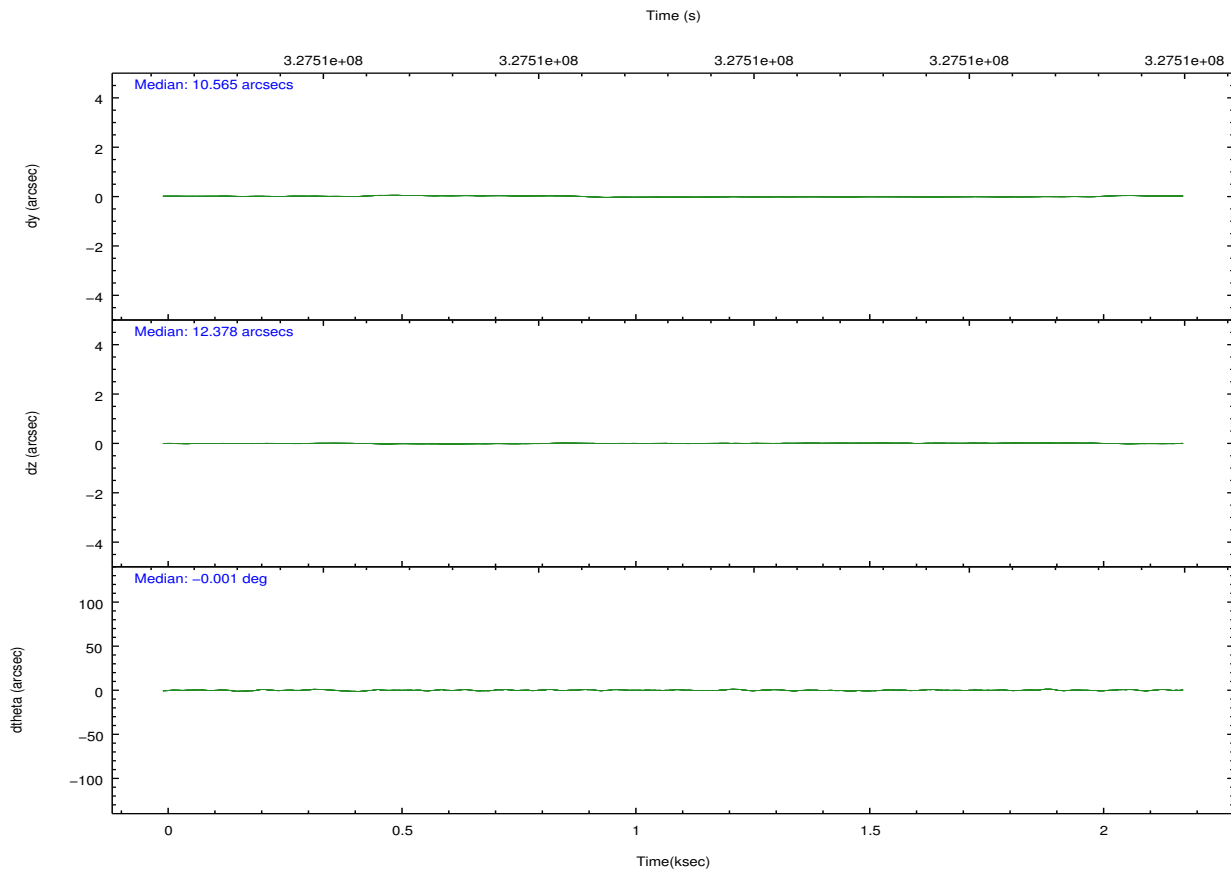
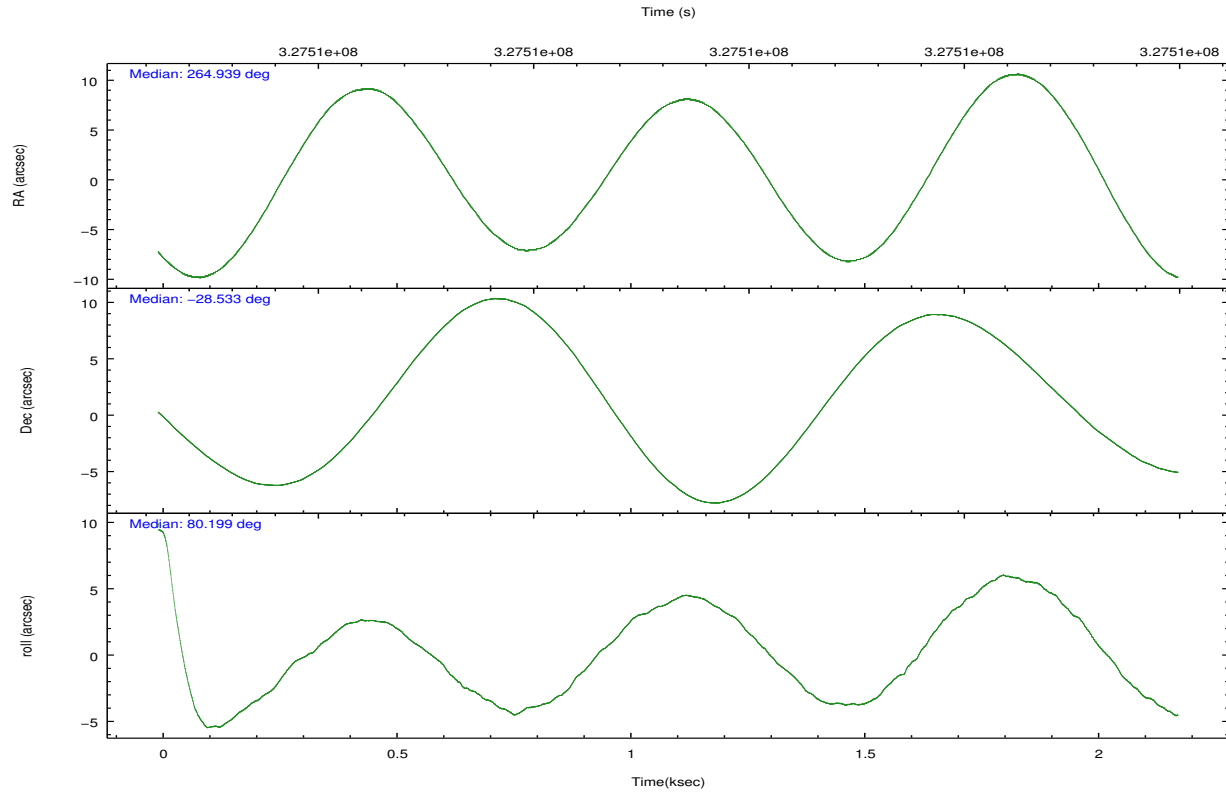
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	973	1081	1011	915	1058
	5%	5%	4%	4%	4%
grade 1 events	9	17	19	17	33
	0%	0%	0%	0%	0%
grade 2 events	509	588	566	469	2354
	2%	2%	2%	2%	9%
grade 3 events	248	266	270	228	1008
	1%	1%	1%	1%	4%
grade 4 events	232	276	233	221	1066
	1%	1%	1%	0%	4%
grade 5 events	808	784	677	871	2520
	4%	3%	2%	3%	10%
grade 6 events	419	506	417	392	5680
	2%	2%	1%	1%	23%
grade 7 events	16161	16309	19730	19203	10217
	83%	82%	86%	86%	42%

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	264.950380	264.9393001651296	CCD I2 on	Y	Y
[deg] Pointing Dec	-28.558246	-28.53258758668195	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004650	80.20807278378349	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)	327512394.184000	327512018.23509	CCD S5 on	N	N
Observation start date	2008-05-18T15:38:49	2008-05-18T15:33:38	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327514394.184000	327514642.74771	On-chip summing requested	N	N
Observation end date	2008-05-18T16:12:09	2008-05-18T16:17:22	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



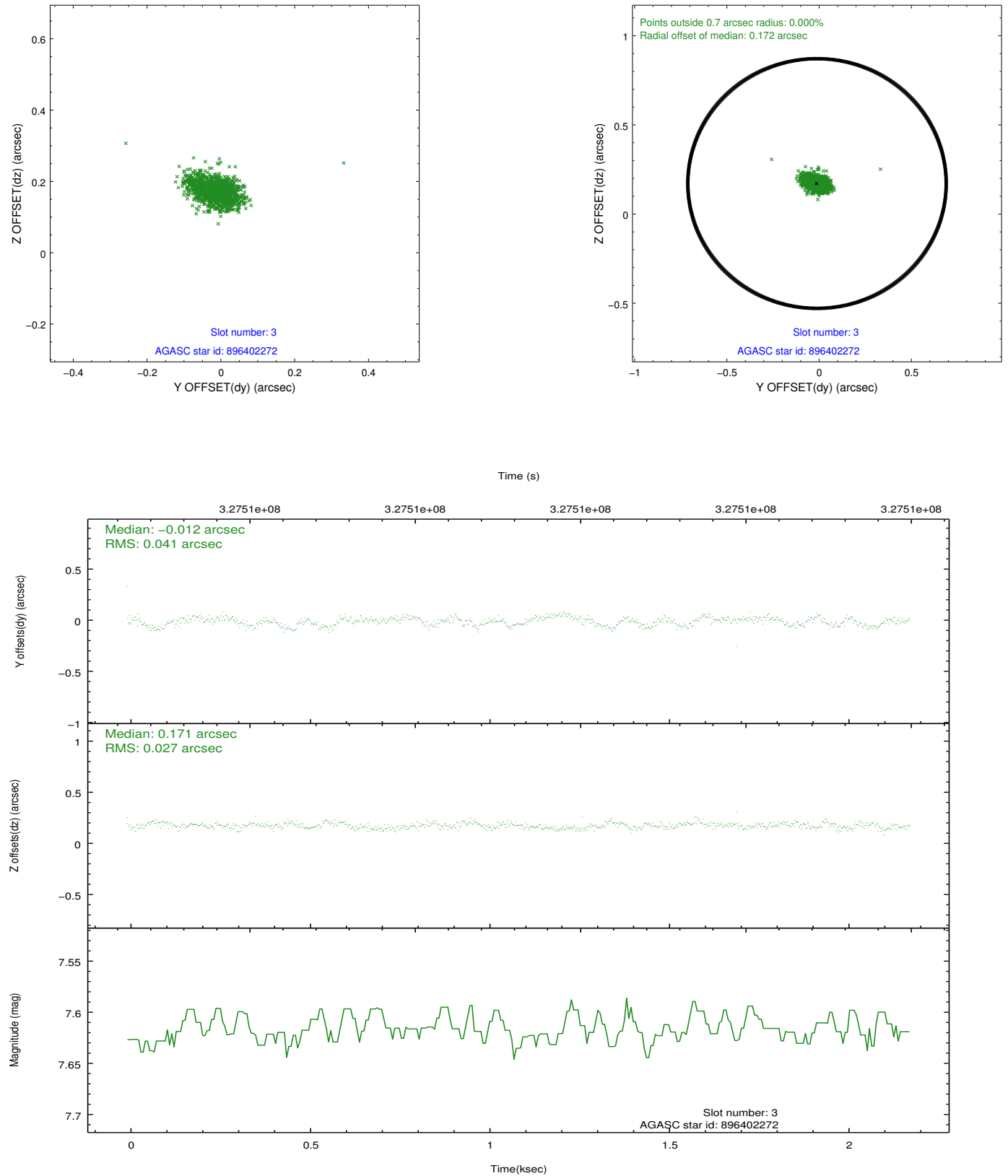


Slot Statistics

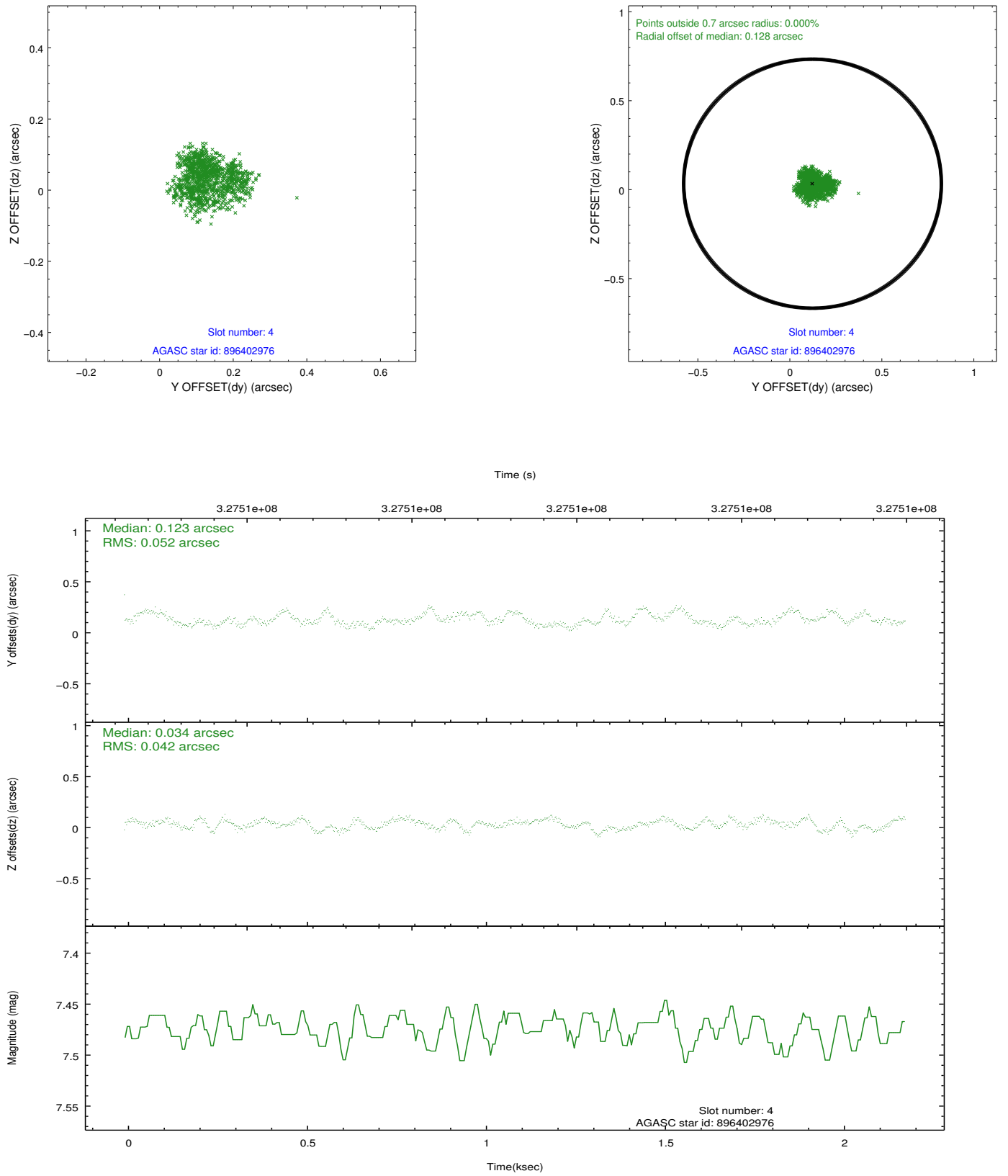
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.06	532	0.037	0.018	0.006	0.010	0.000000	0.000000	929.04	-835.90
1	FID	ACIS-I-5	7.04	532	-0.165	0.062	0.006	0.010	0.000000	0.000000	-1817.59	1060.16
2	FID	ACIS-I-6	7.05	532	0.036	-0.009	0.006	0.012	0.000000	0.000000	391.36	1707.97
3	GUIDE	896402272	7.62	1065	-0.012	0.171	0.049	0.082	265.637294	-28.313189	1241.64	-1991.93
4	GUIDE	896402976	7.47	1065	0.123	0.034	0.073	0.110	265.099474	-28.923203	-1210.51	-693.12
5	GUIDE	896404568	7.87	1065	-0.079	0.225	0.049	0.077	265.687293	-28.431080	848.63	-2219.90
6	GUIDE	896405048	8.27	1065	-0.030	-0.240	0.068	0.104	264.482575	-28.152230	1180.15	1713.10
7	GUIDE	896406568	8.24	1064	-0.003	-0.185	0.062	0.107	264.435951	-28.437282	144.33	1679.88

2.4 Star Slots

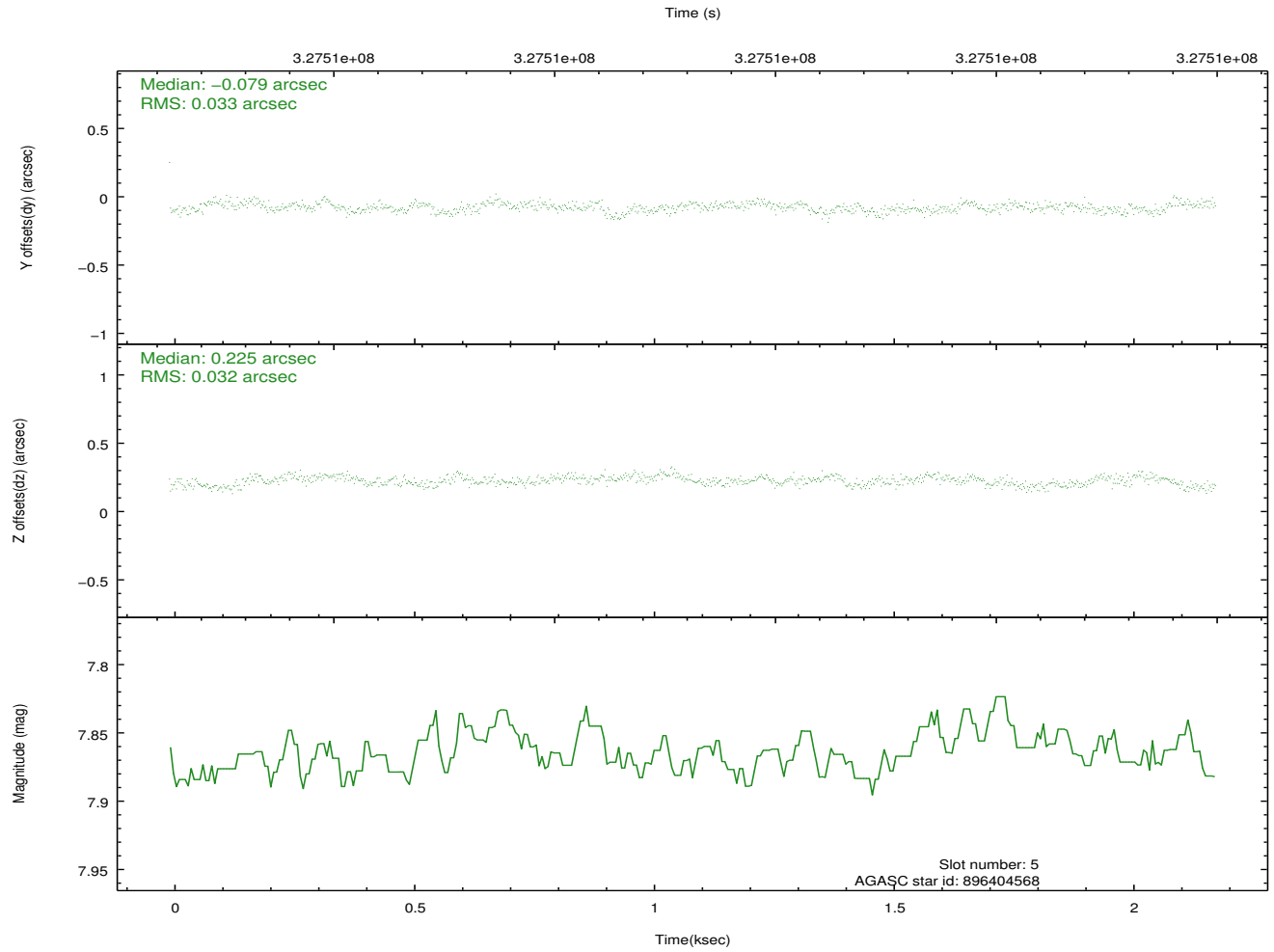
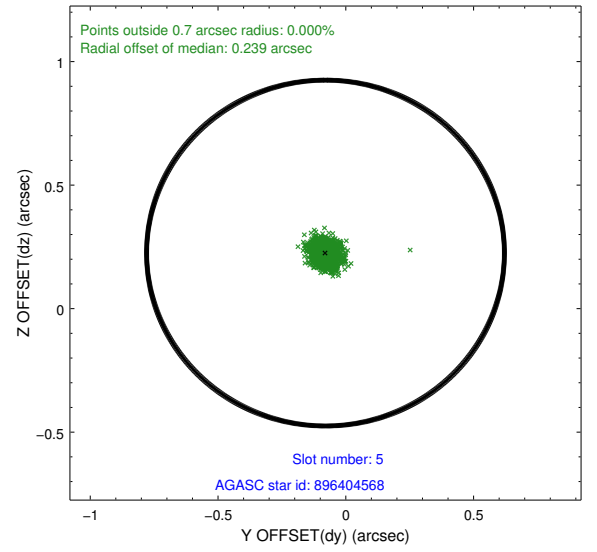
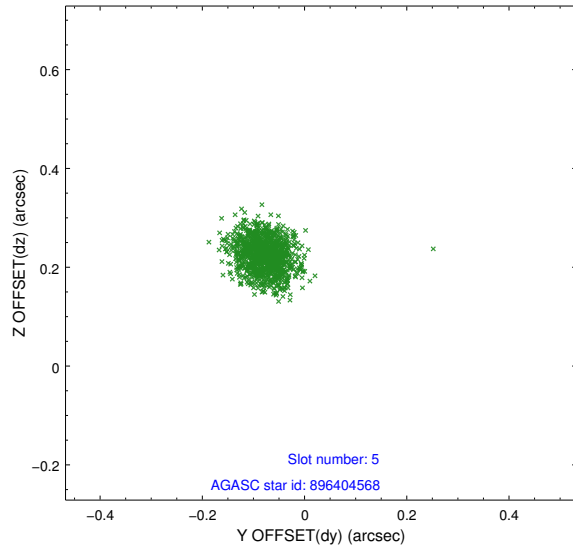
2.4.1 Slot 3



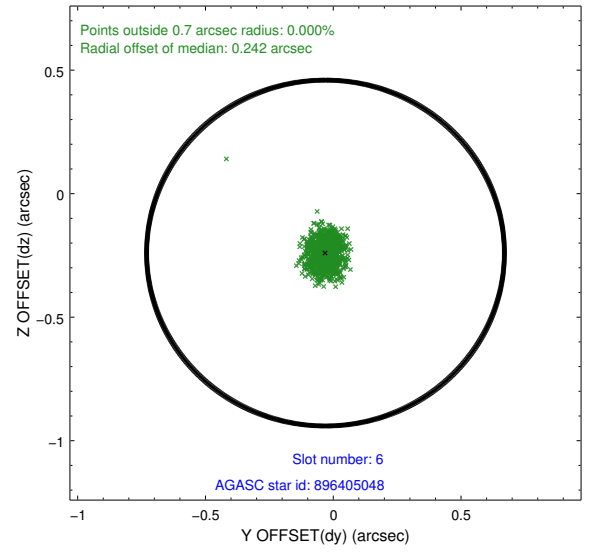
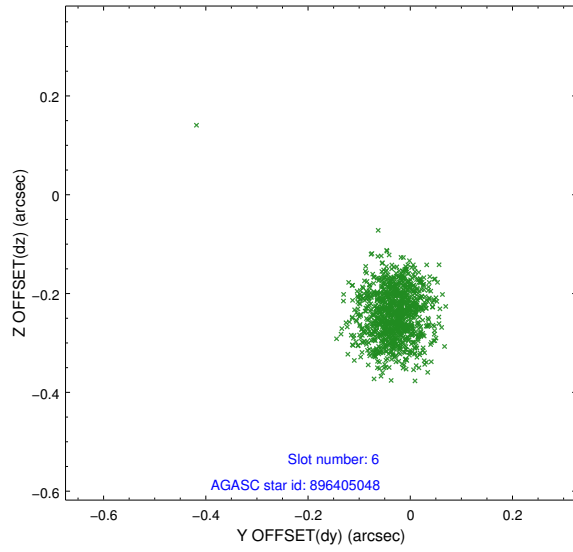
2.4.2 Slot 4



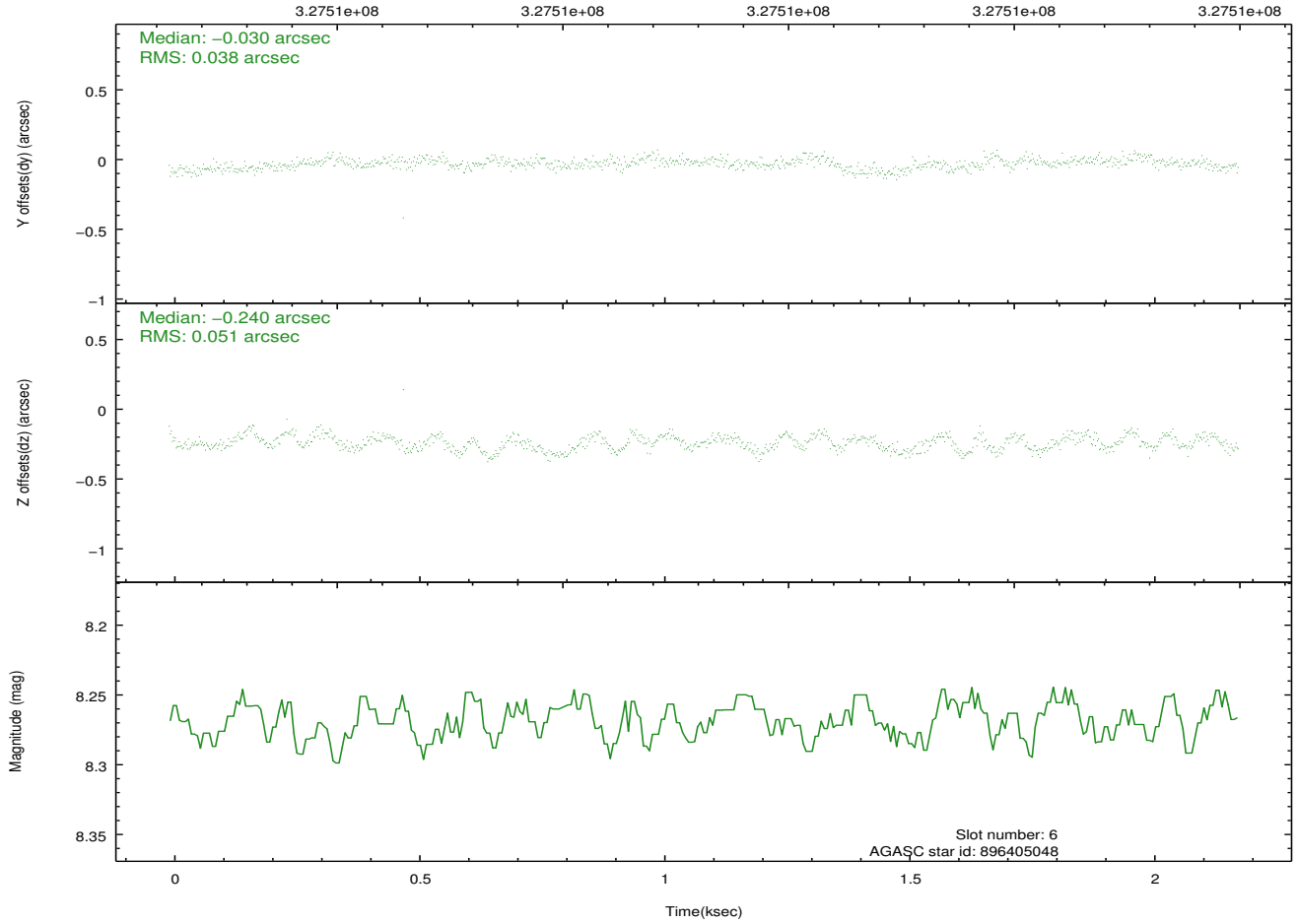
2.4.3 Slot 5



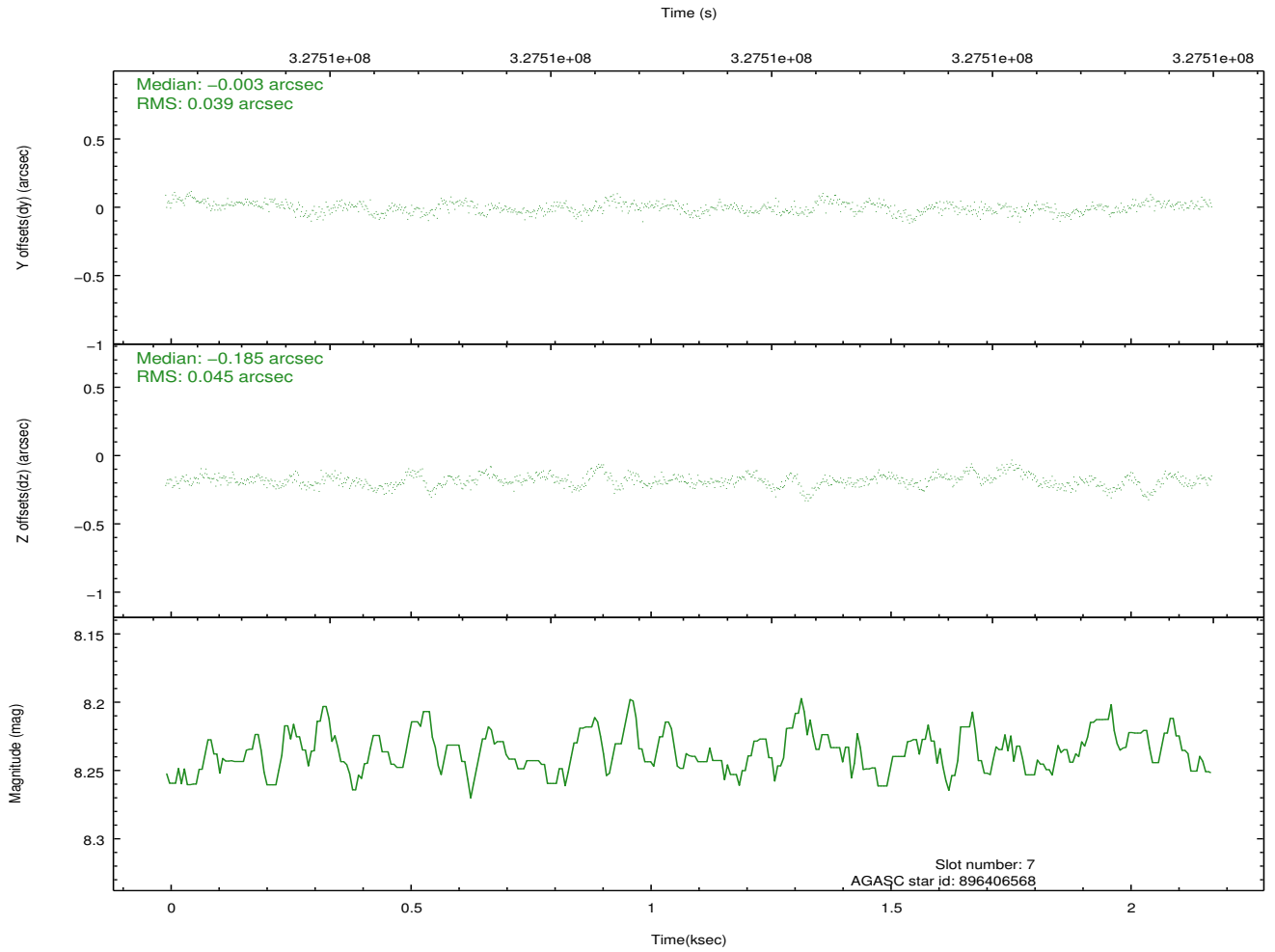
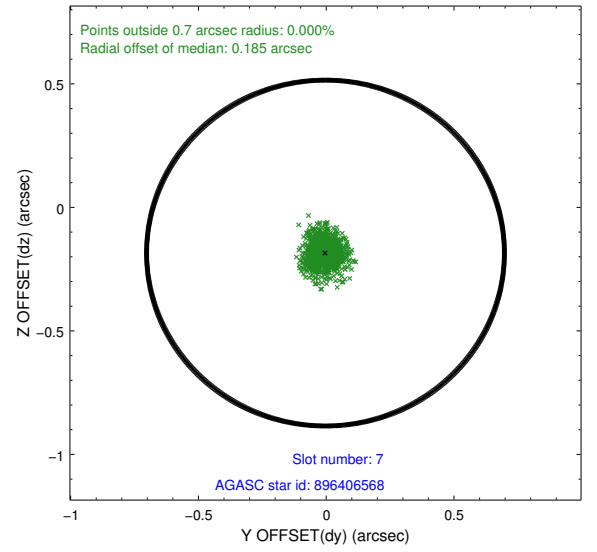
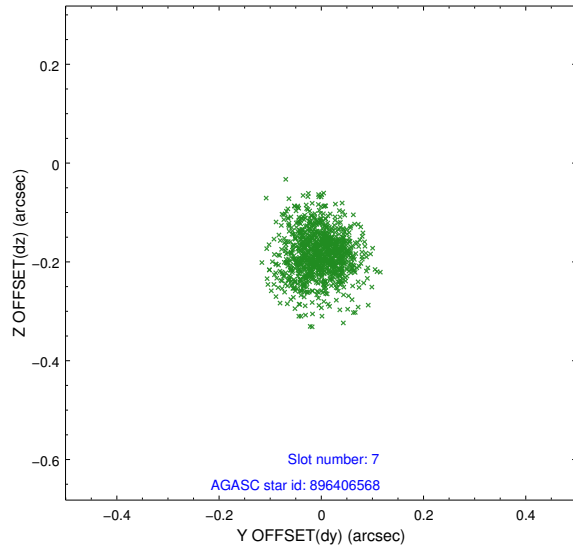
2.4.4 Slot 6



Time (s)

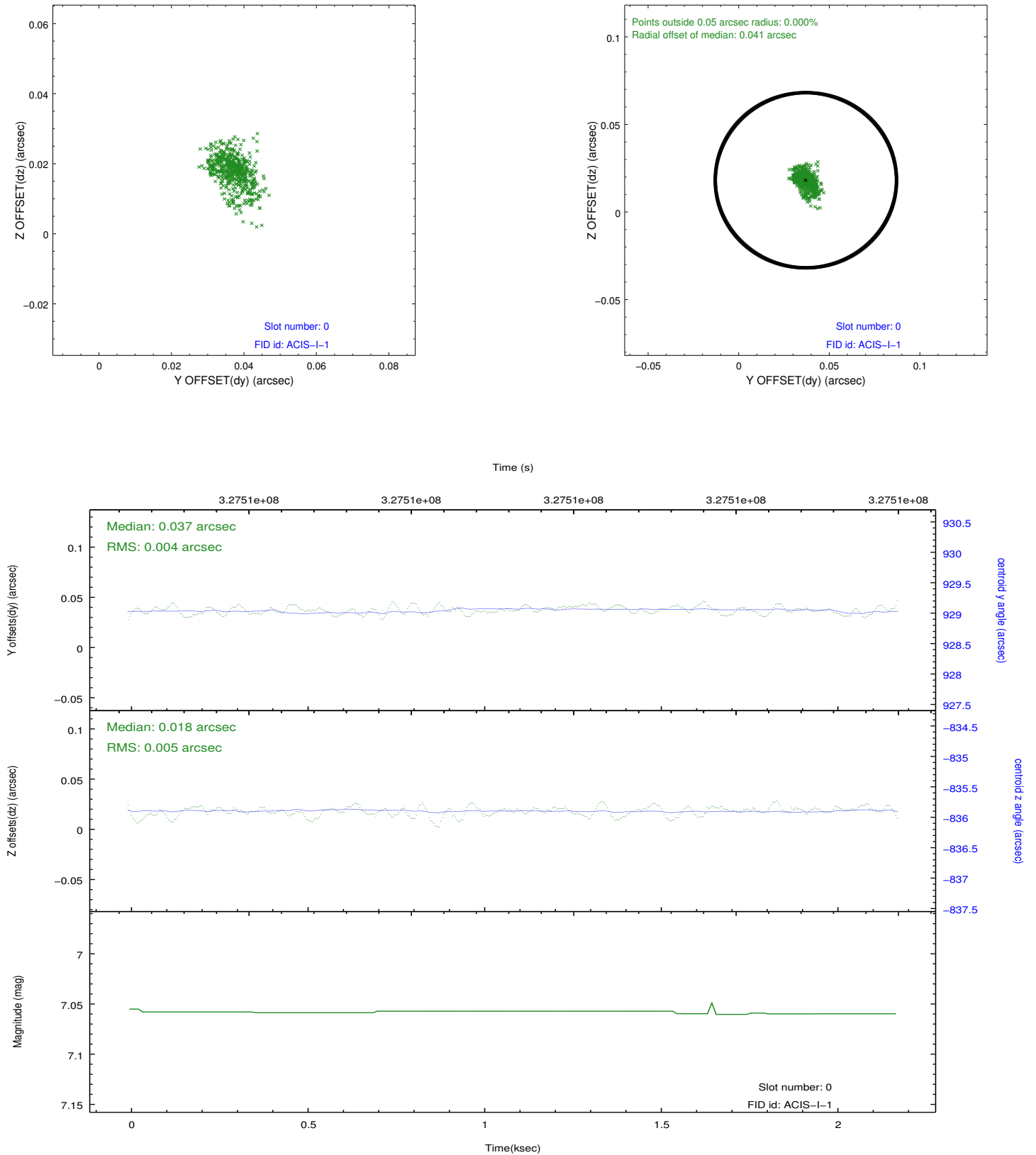


2.4.5 Slot 7

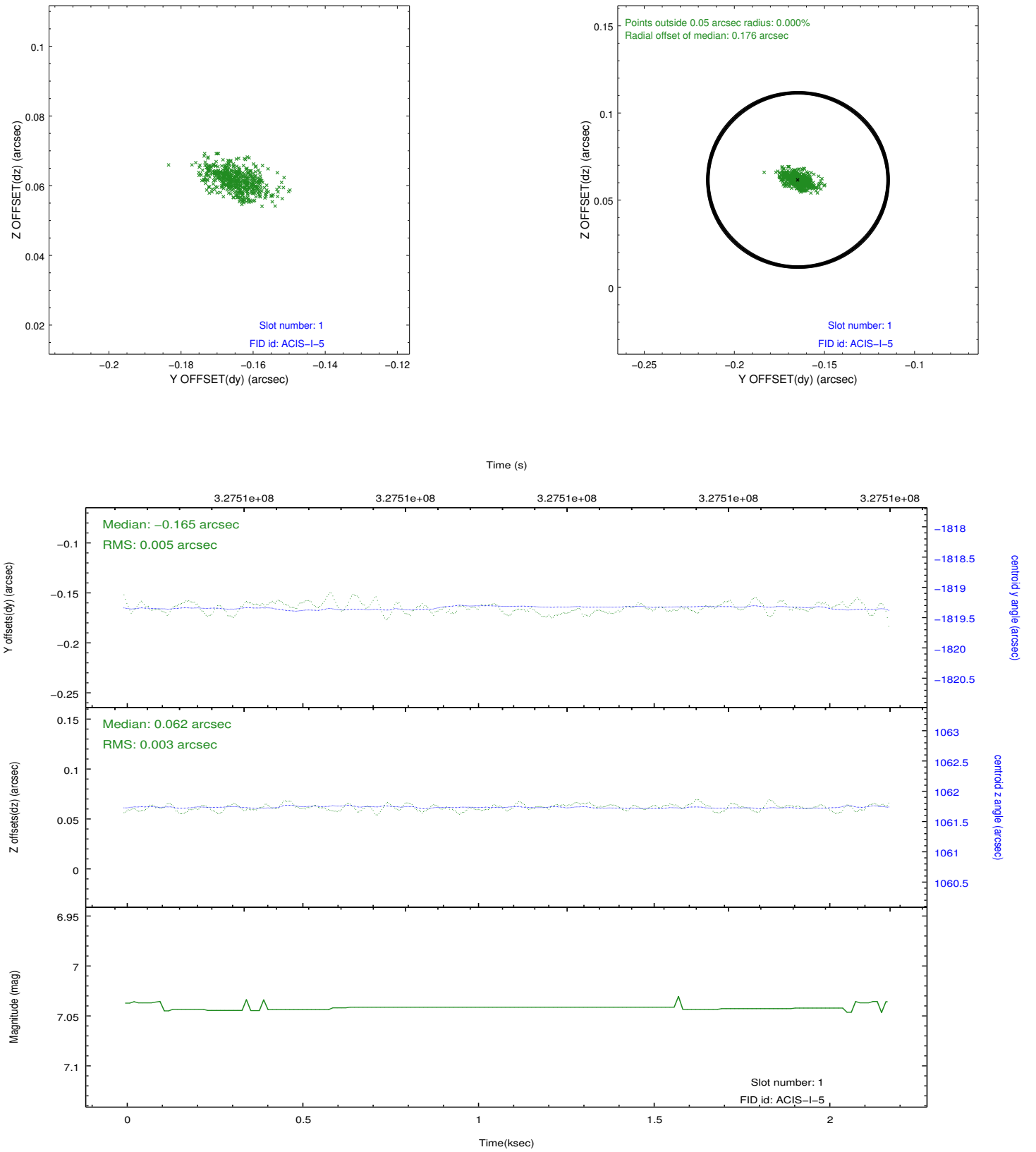


2.5 FID Slots

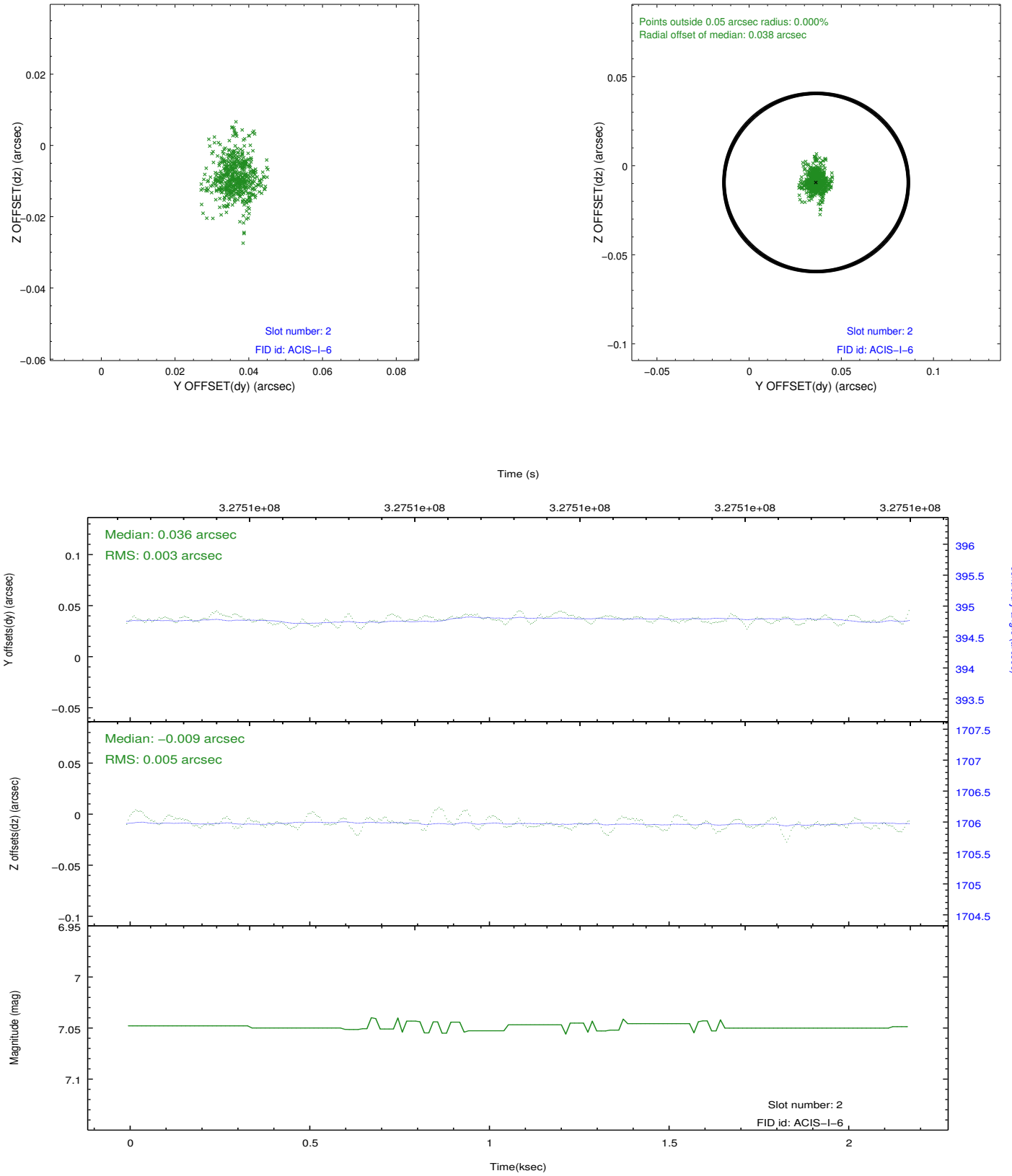
2.5.1 Slot 0



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)	2012.05.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.18240001

A.2 Comments