

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8680 - L2 Version 2
Chandra X-Ray Center

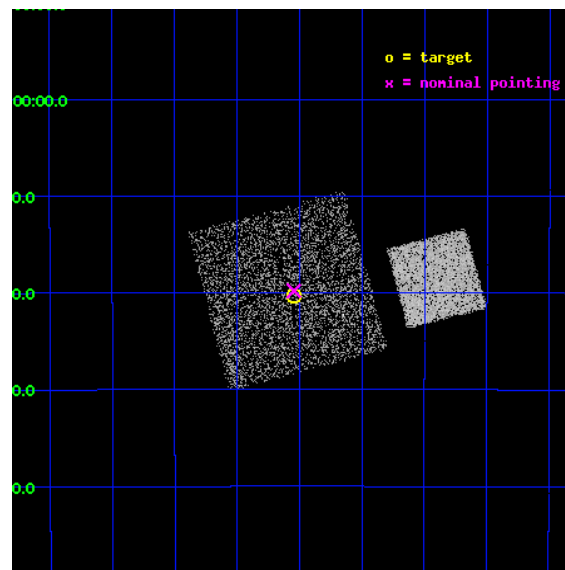
L2 Processing Date : May 15 2012

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1 Front

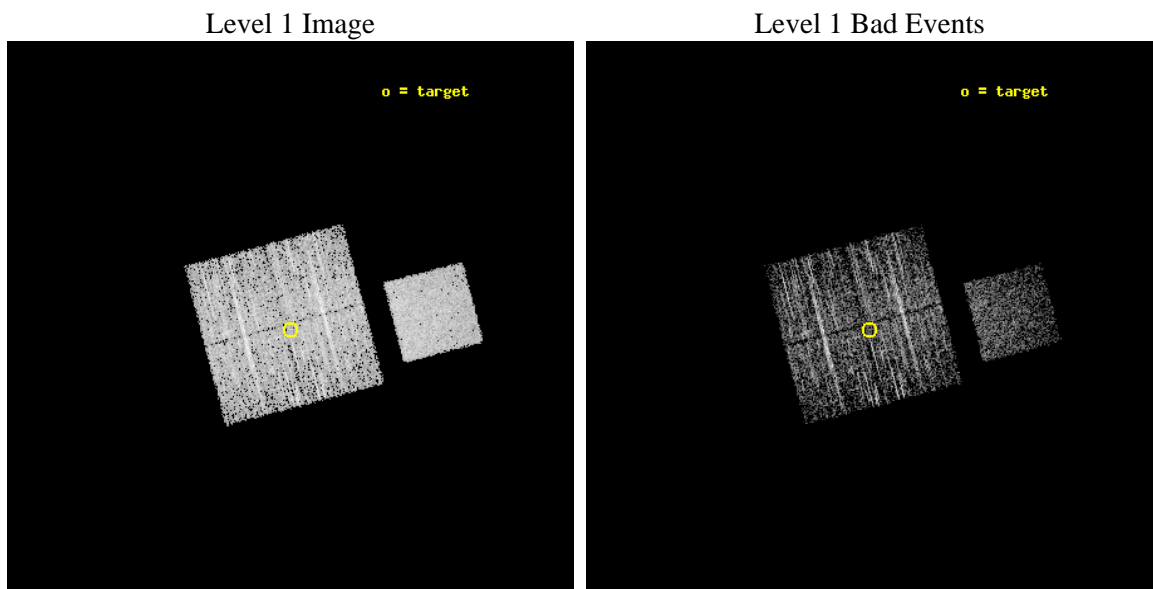
seq_num	400731	Sequence number
obs_id	8680	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	Prof Mariano Mendez	Principal investigator
object	GBSGTO4	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	264.6368	Observer's specified target RA [deg]
dec_targ	-29.338297	Observer's specified target Dec [deg]
ra_nom	264.63628984331	Nominal RA [deg]
dec_nom	-29.330092129231	Nominal Dec [deg]
roll_nom	75.208389938837	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2188.6000168324	Sum of GTIs [s]
livetime	2160.0043463885	Livetime [s]
ontime0	2188.6000168324	Sum of GTIs [s]
ontime1	2188.6000168324	Sum of GTIs [s]
ontime2	2188.6000168324	Sum of GTIs [s]
ontime3	2188.6000168324	Sum of GTIs [s]
ontime7	2188.6000168324	Sum of GTIs [s]
l2events	15599	Number of level 2 events



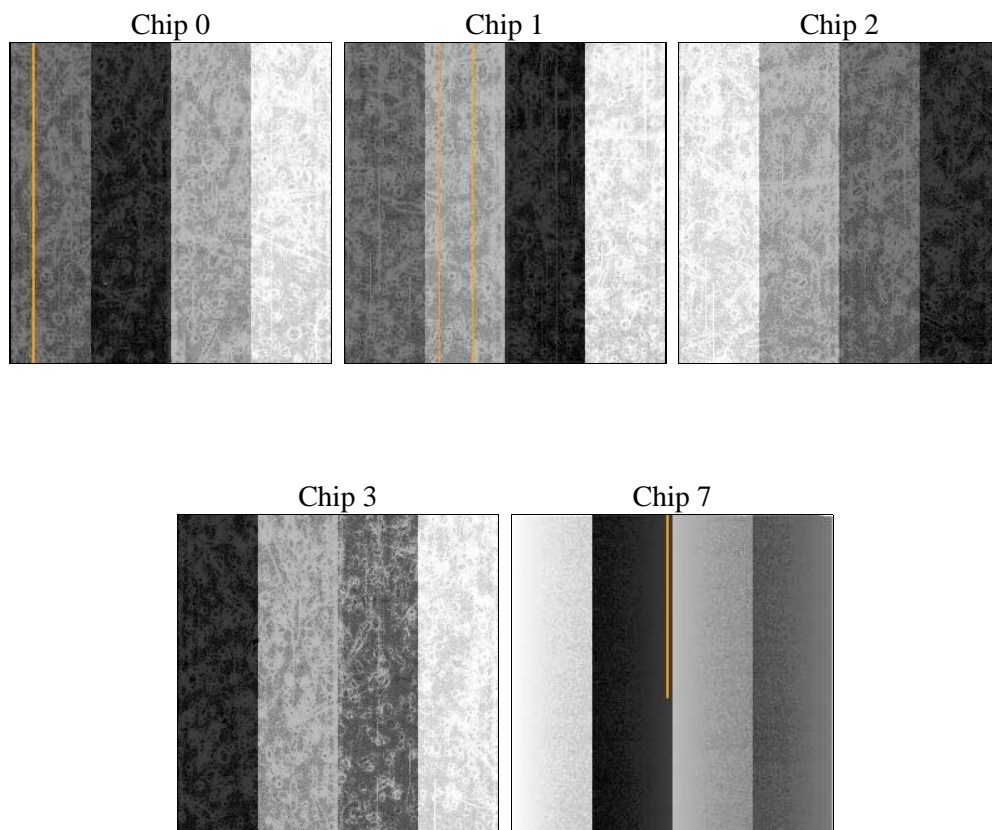
2 OBI

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	2188.6000168324	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	2188.6000168324	Sum of GTIs [s]
date	2012-05-15T05:03:19	Date and time of file creation	ontime1	2188.6000168324	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2188.6000168324	Sum of GTIs [s]
			ontime3	2188.6000168324	Sum of GTIs [s]
			ontime7	2188.6000168324	Sum of GTIs [s]
			l1events	102603	Number of level 1 events

2.1.4 Events

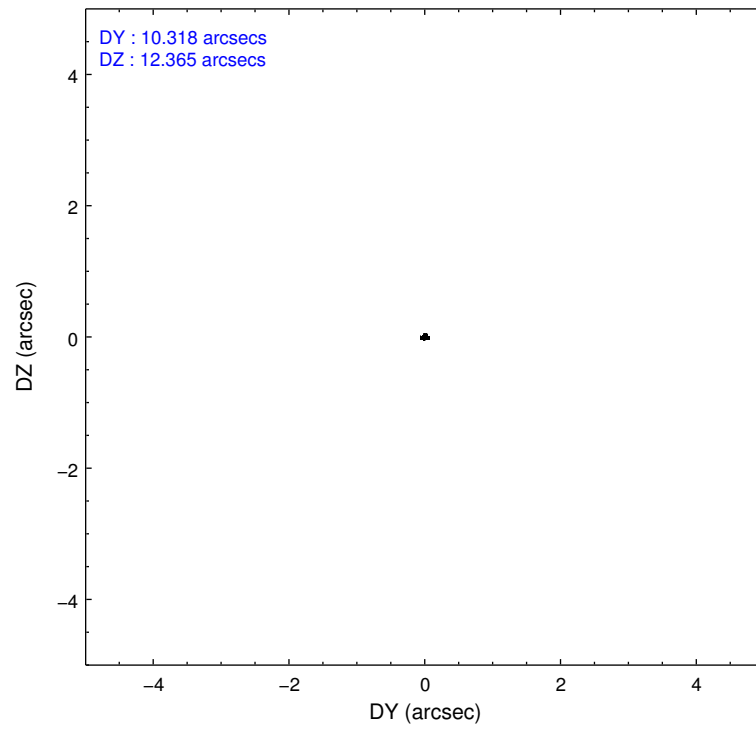
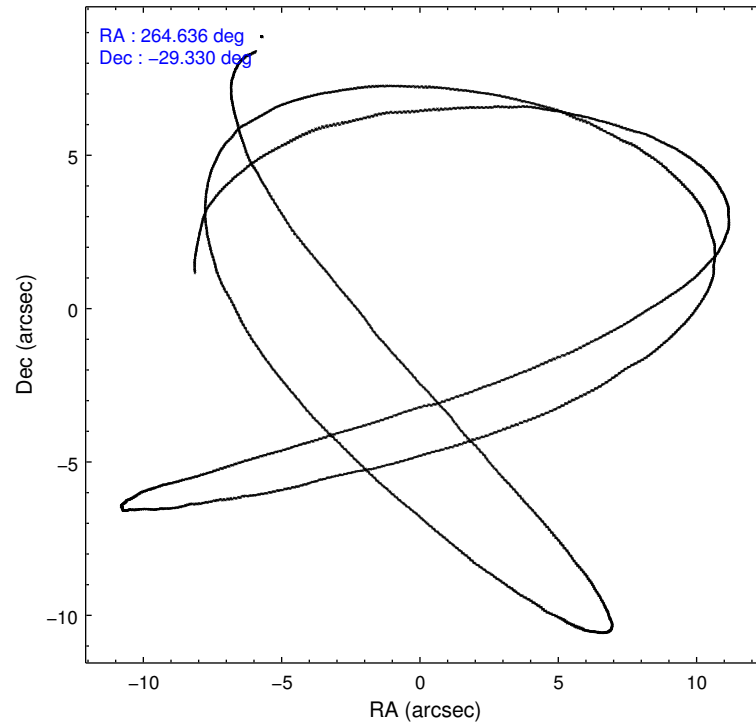
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	19725	18850	20522	20094	23412
rejected events	17742	16746	18656	18227	13970
rejected %	89%	88%	90%	90%	59%

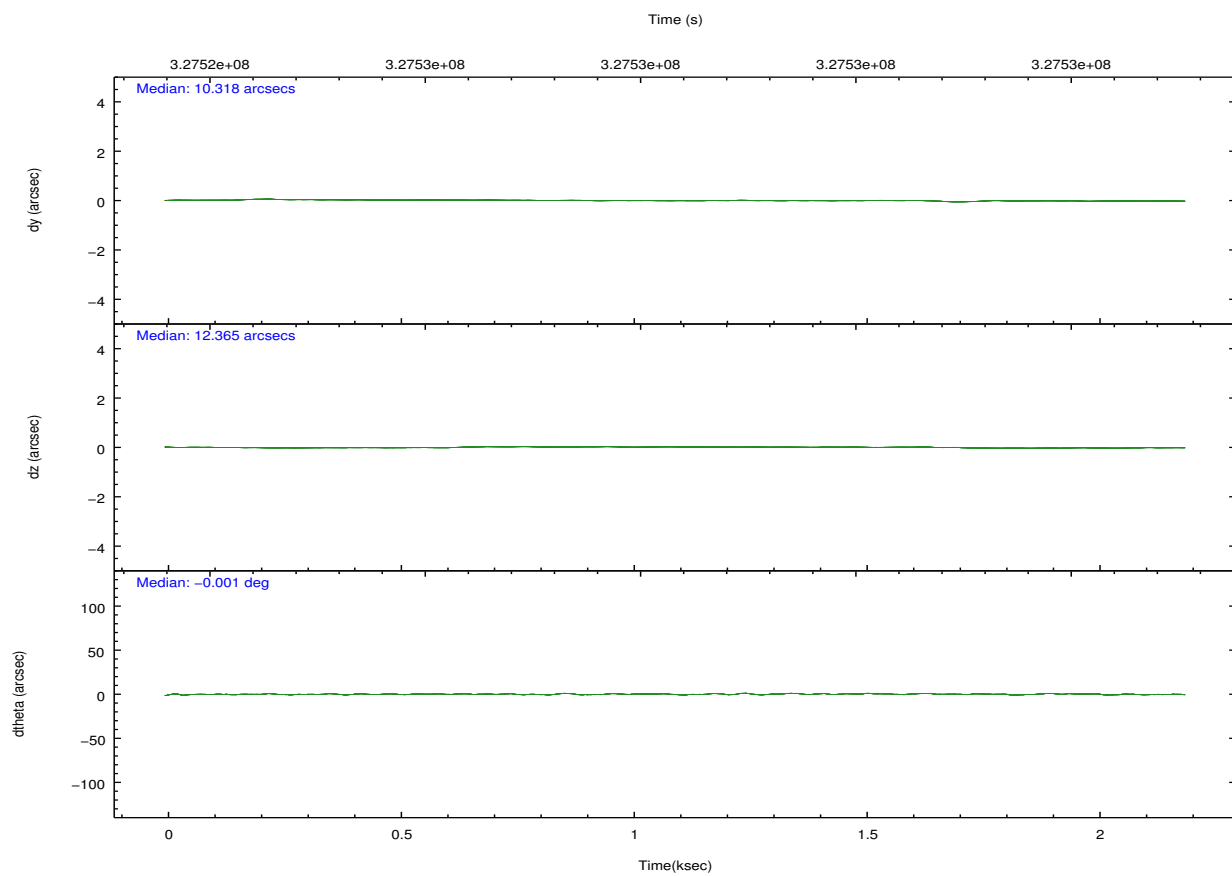
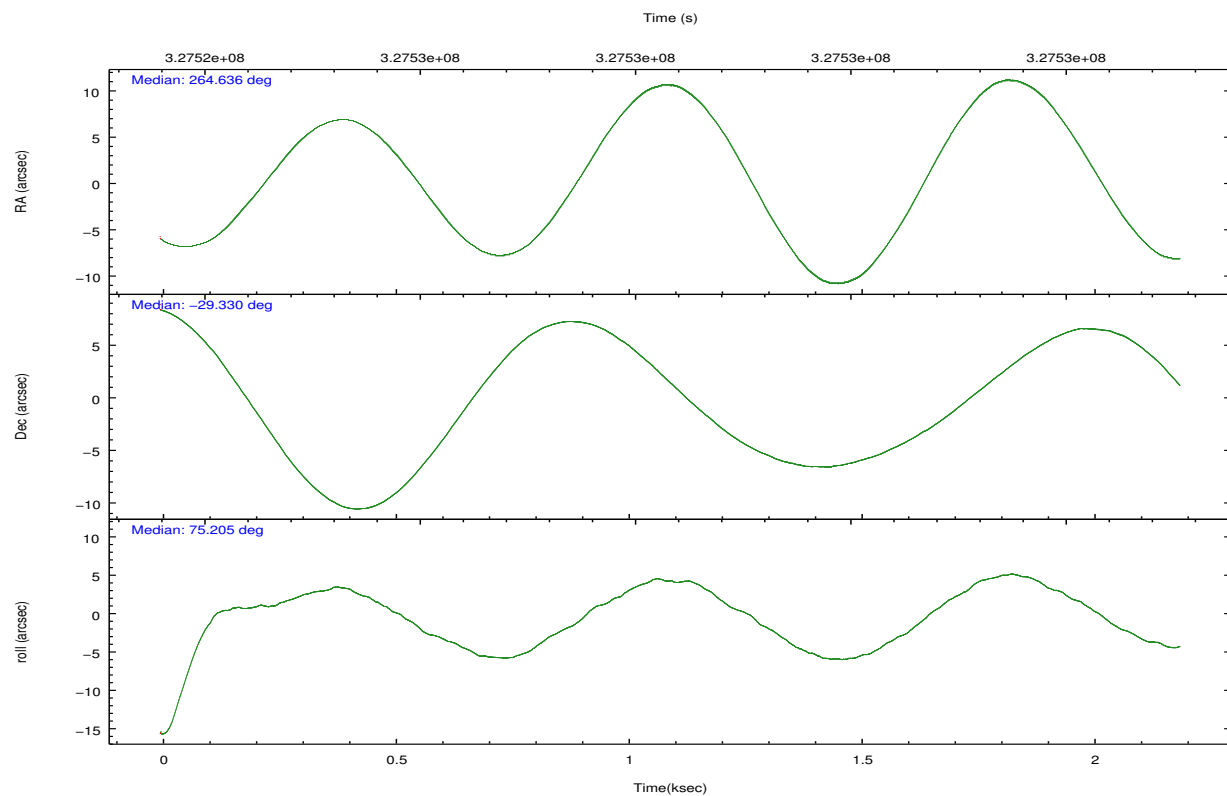
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	891	953	909	888	1086
	4%	5%	4%	4%	4%
grade 1 events	7	12	17	14	28
	0%	0%	0%	0%	0%
grade 2 events	480	482	472	485	2197
	2%	2%	2%	2%	9%
grade 3 events	242	254	207	239	1022
	1%	1%	1%	1%	4%
grade 4 events	227	262	205	214	1005
	1%	1%	0%	1%	4%
grade 5 events	733	780	607	821	2448
	3%	4%	2%	4%	10%
grade 6 events	403	453	371	346	5533
	2%	2%	1%	1%	23%
grade 7 events	16742	15654	17734	17087	10093
	84%	83%	86%	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	264.644785	264.636289843309	CCD I2 on	Y	Y
[deg] Pointing Dec	-29.356725	-29.33009212923147	CCD I3 on	Y	Y
[deg] Pointing Roll	75.003916	75.20838993883719	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)	327525173.184000	327524797.93571	CCD S5 on	N	N
Observation start date	2008-05-18T19:11:48	2008-05-18T19:06:37	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327527173.184000	327527308.16083	On-chip summing requested	N	N
Observation end date	2008-05-18T19:45:08	2008-05-18T19:48:28	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



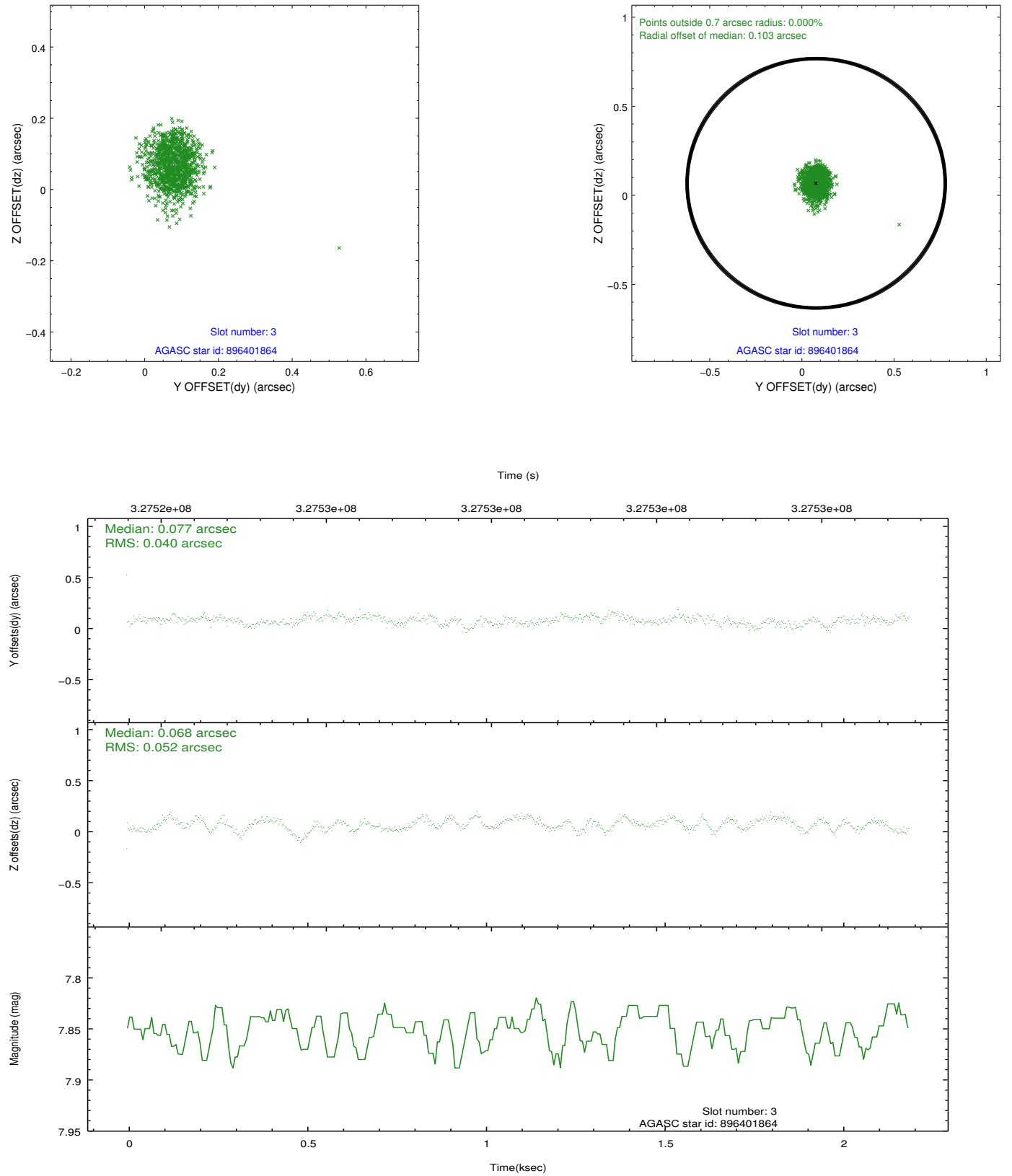


Slot Statistics

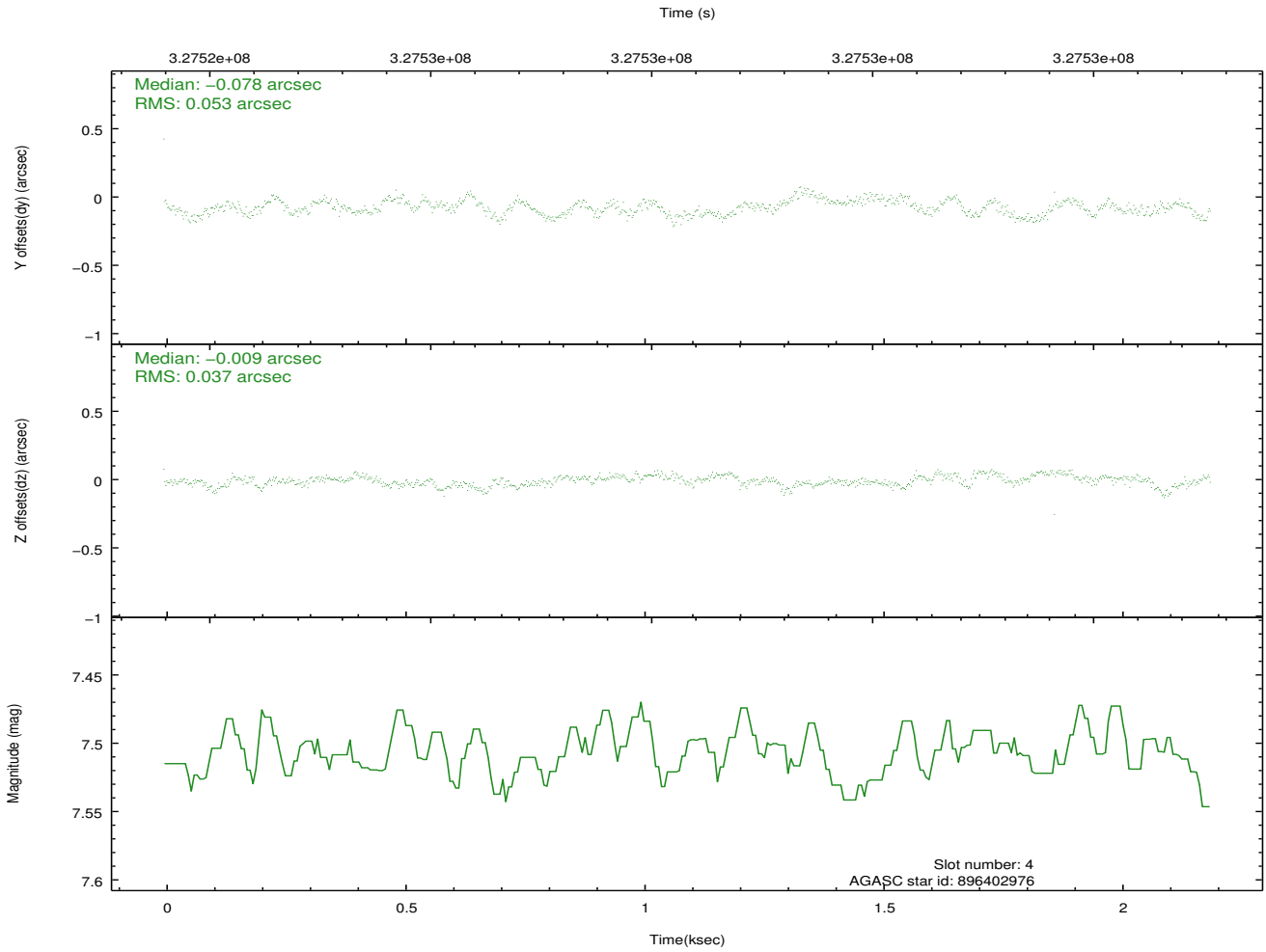
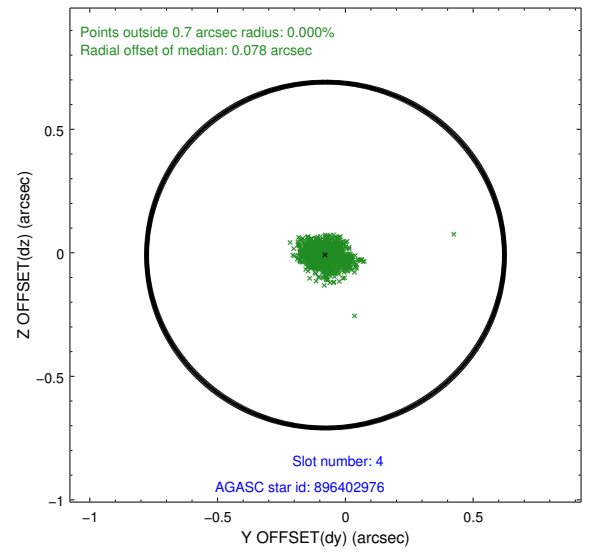
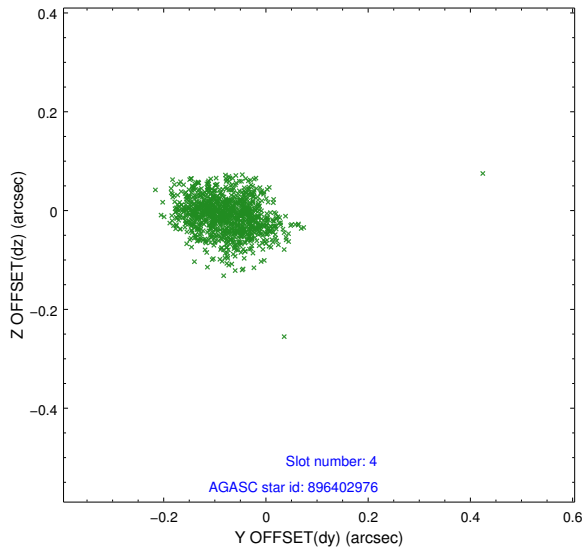
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.06	535	0.039	0.019	0.006	0.011	0.000000	0.000000	929.30	-835.88
1	FID	ACIS-I-5	7.04	535	-0.168	0.063	0.006	0.010	0.000000	0.000000	-1817.35	1060.19
2	FID	ACIS-I-6	7.05	535	0.038	-0.011	0.006	0.010	0.000000	0.000000	391.64	1707.96
3	GUIDE	896401864	7.85	1069	0.077	0.068	0.068	0.108	264.861768	-29.959752	-1922.35	-1215.94
4	GUIDE	896402976	7.51	1069	-0.078	-0.009	0.067	0.104	265.099474	-28.923203	1873.74	-982.09
5	GUIDE	896404376	6.66	1069	-0.030	-0.044	0.064	0.101	264.835179	-29.530972	-450.34	-739.73
6	GUIDE	896404784	9.30	1067	0.009	0.042	0.125	0.204	265.491289	-29.092670	1597.39	-2329.45
7	GUIDE	896406904	8.99	1068	0.031	-0.055	0.060	0.103	264.311862	-29.742267	-1609.95	643.13

2.4 Star Slots

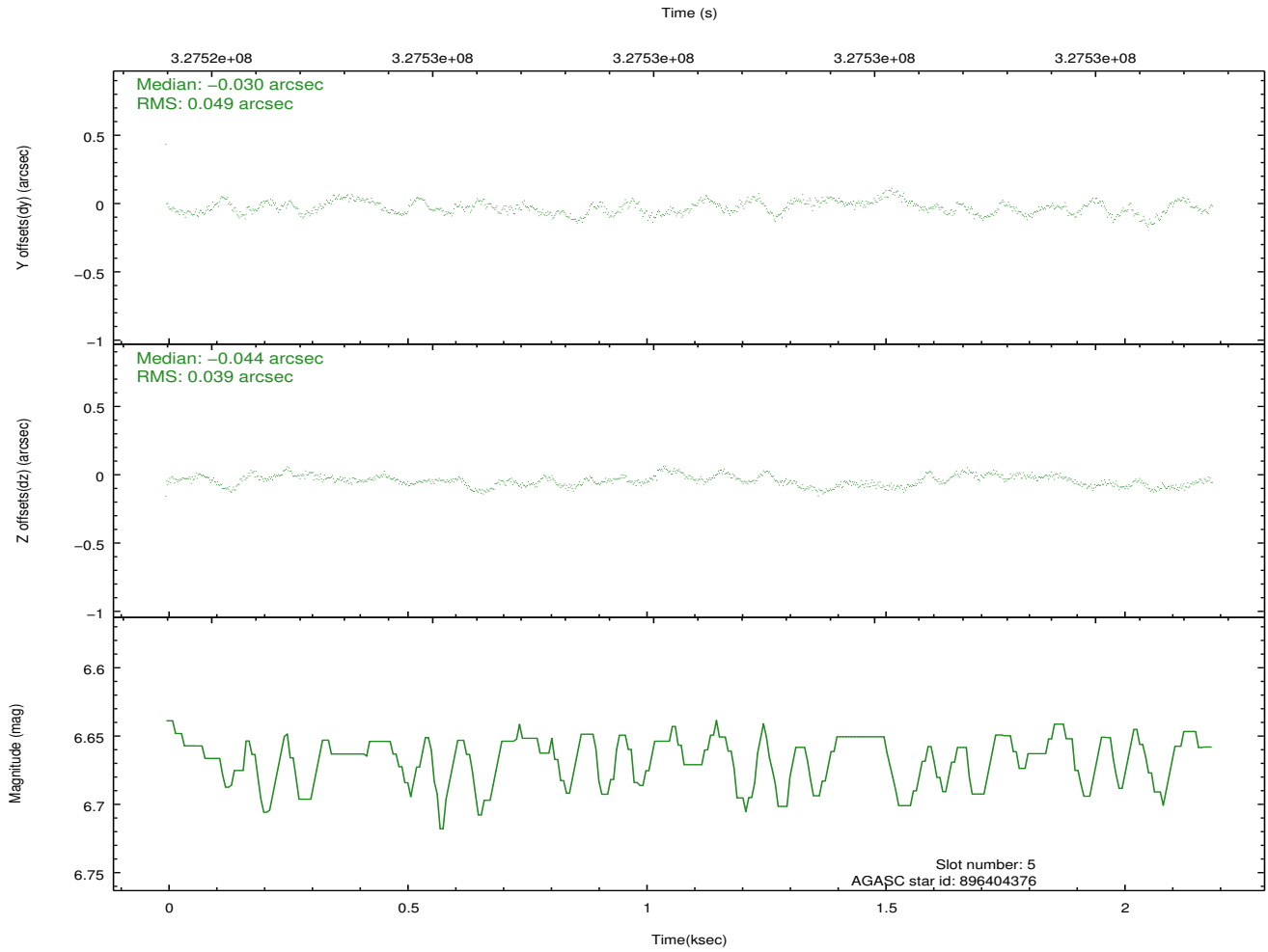
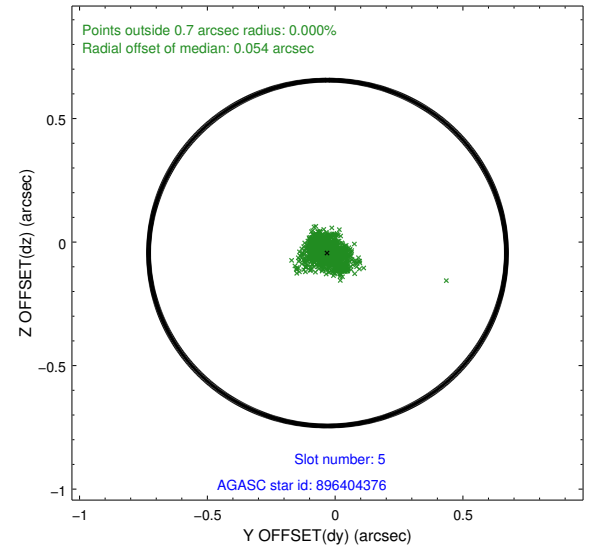
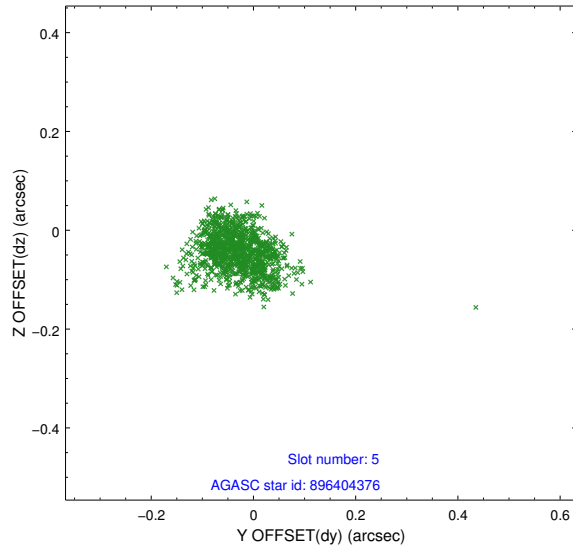
2.4.1 Slot 3



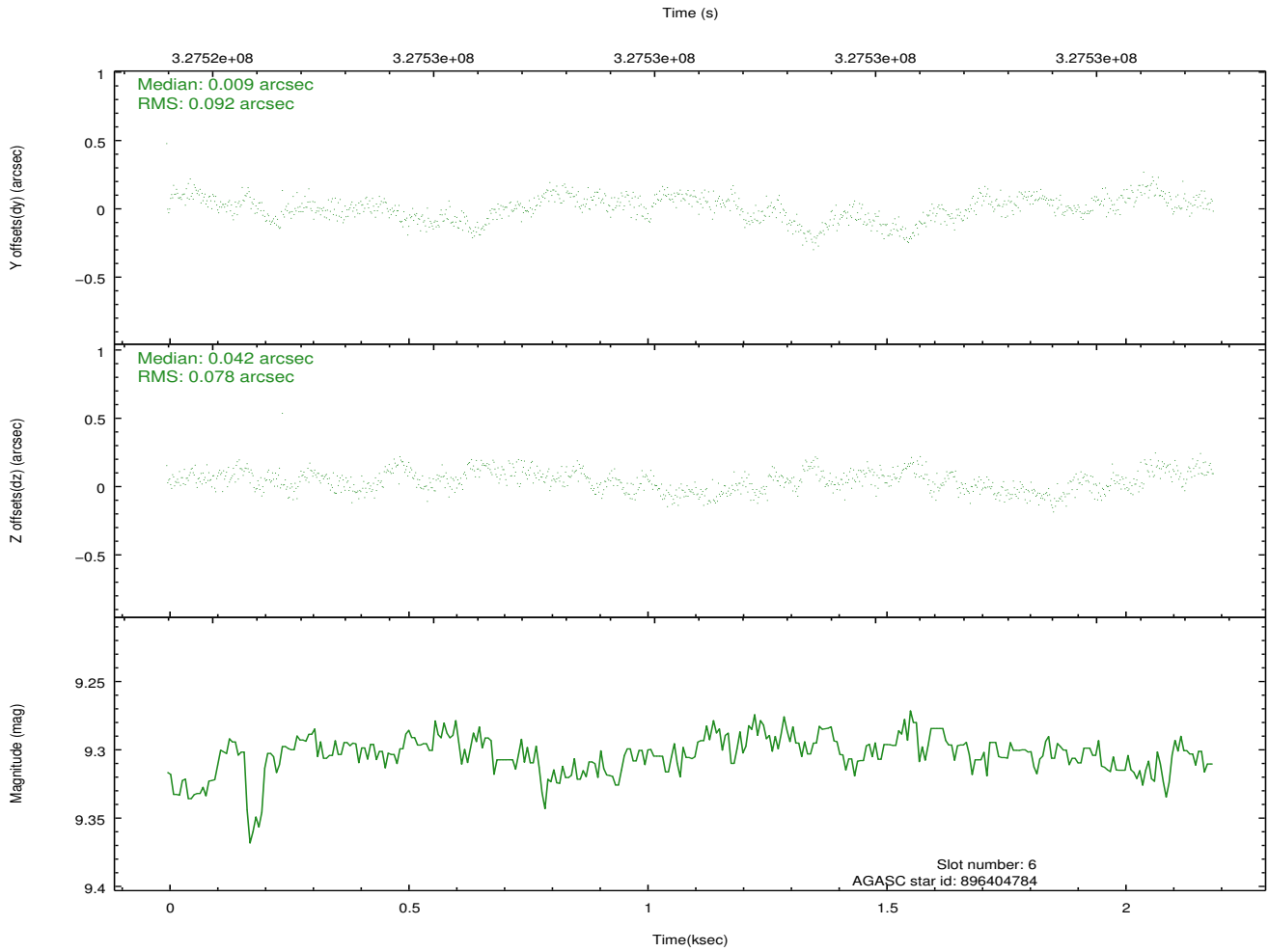
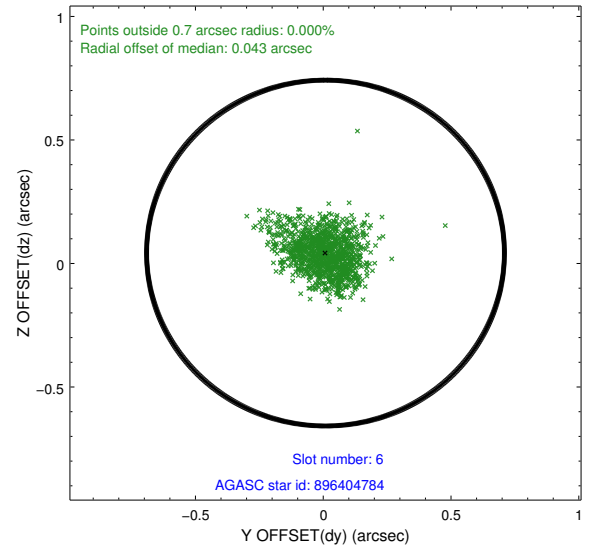
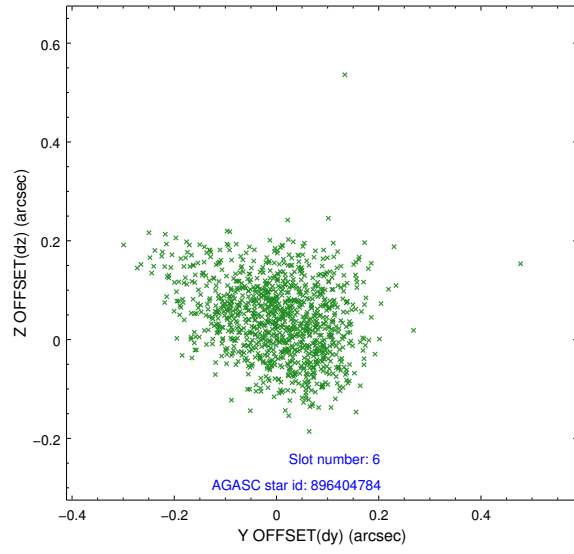
2.4.2 Slot 4



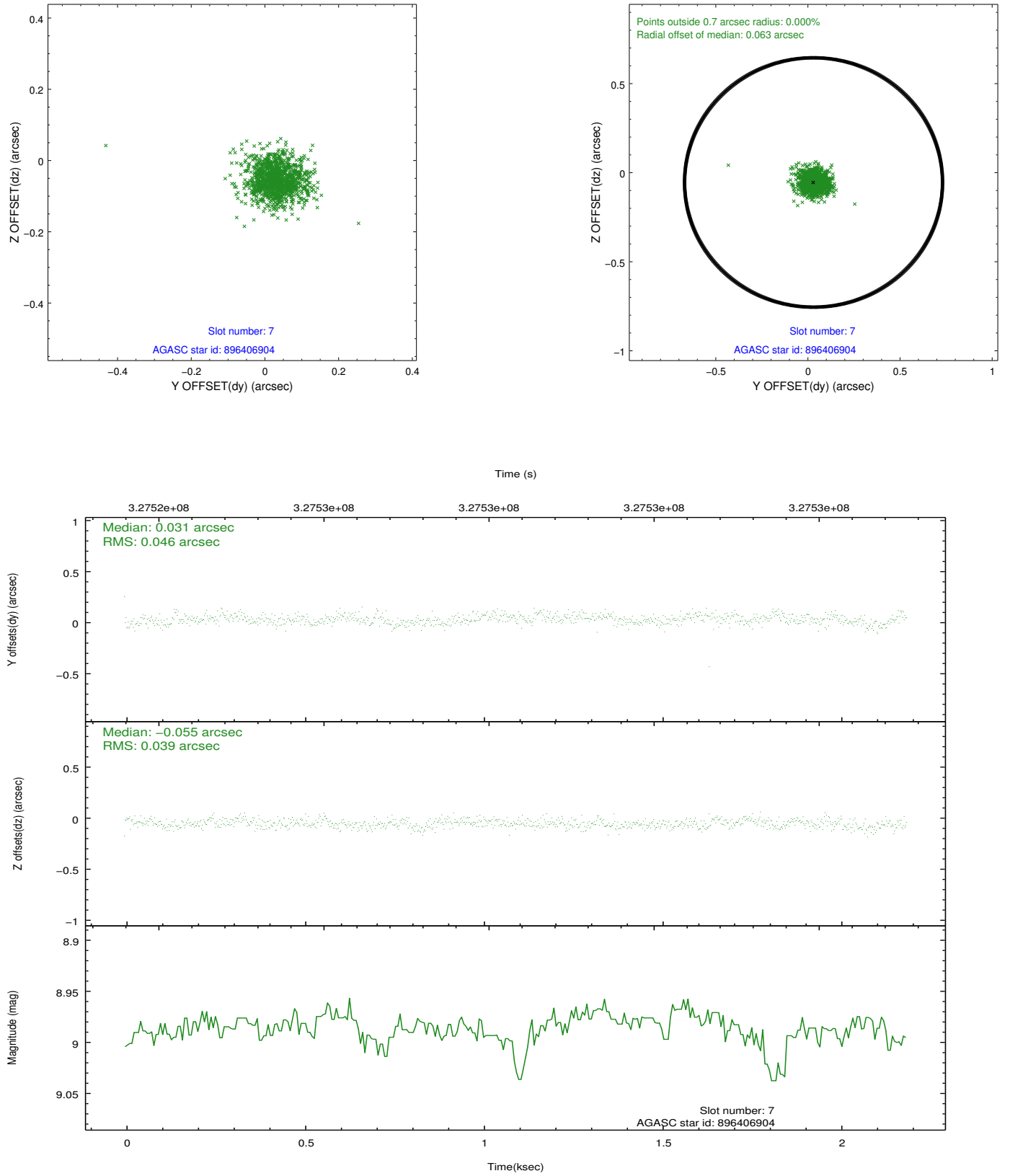
2.4.3 Slot 5



2.4.4 Slot 6

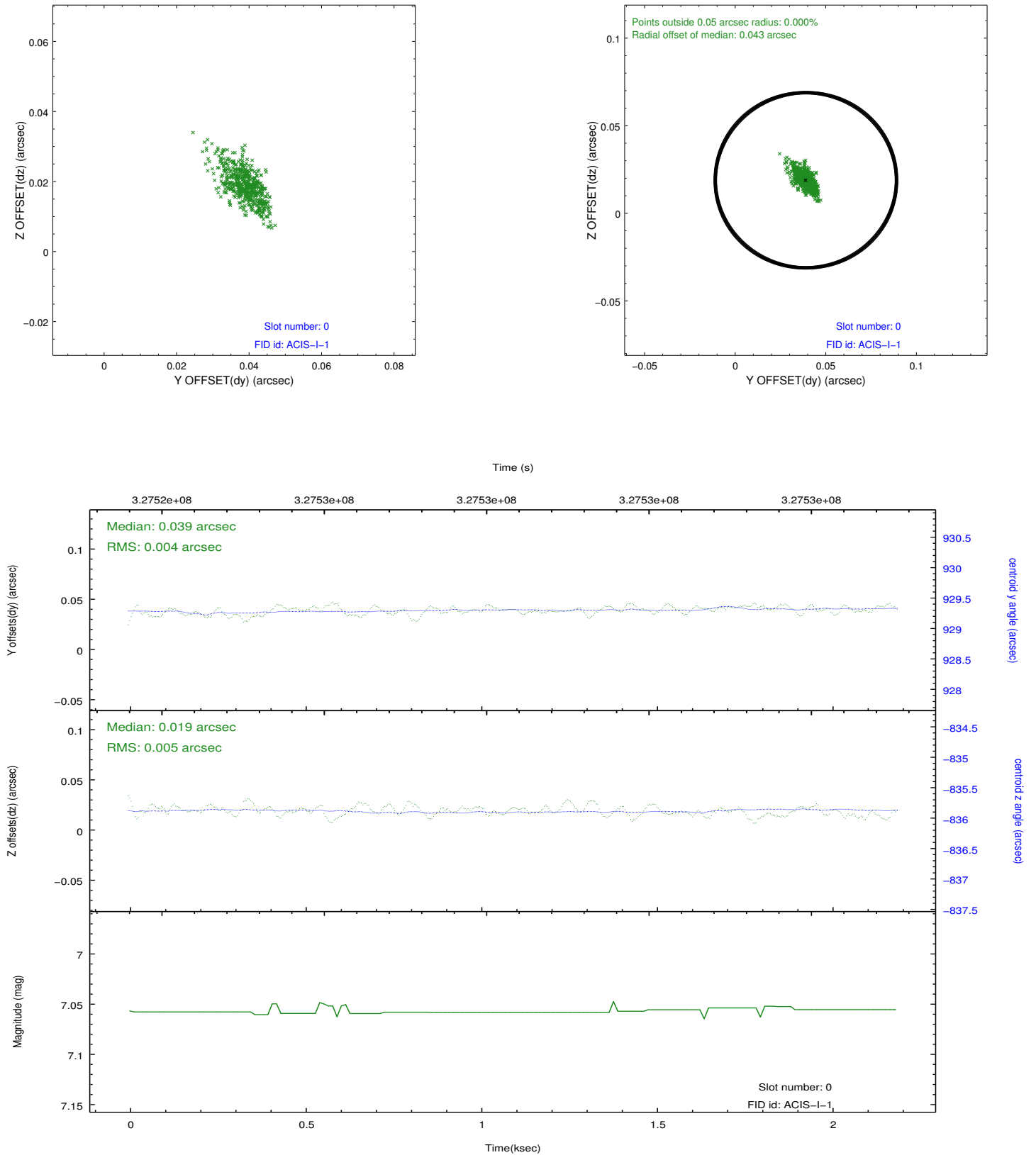


2.4.5 Slot 7

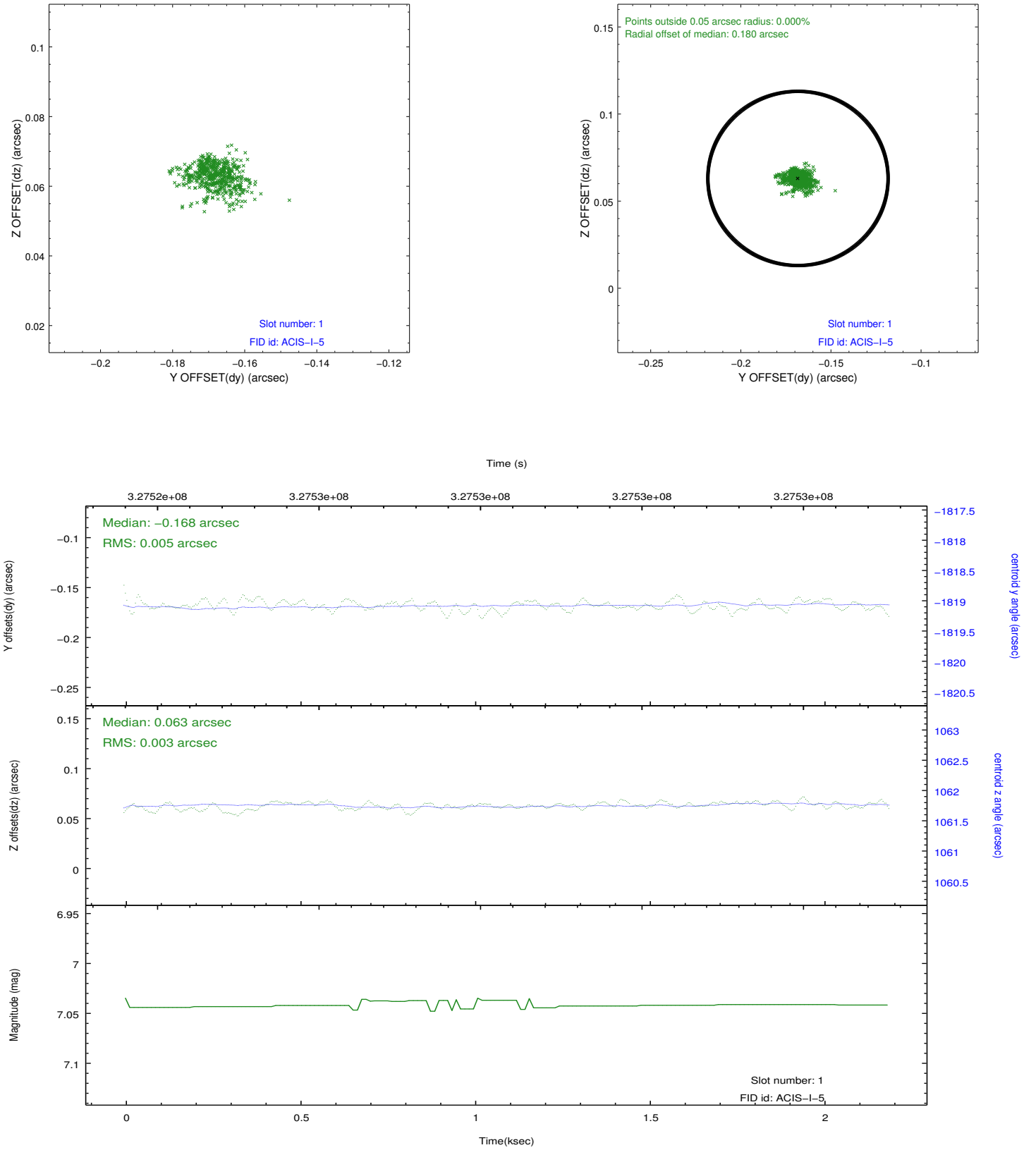


2.5 FID Slots

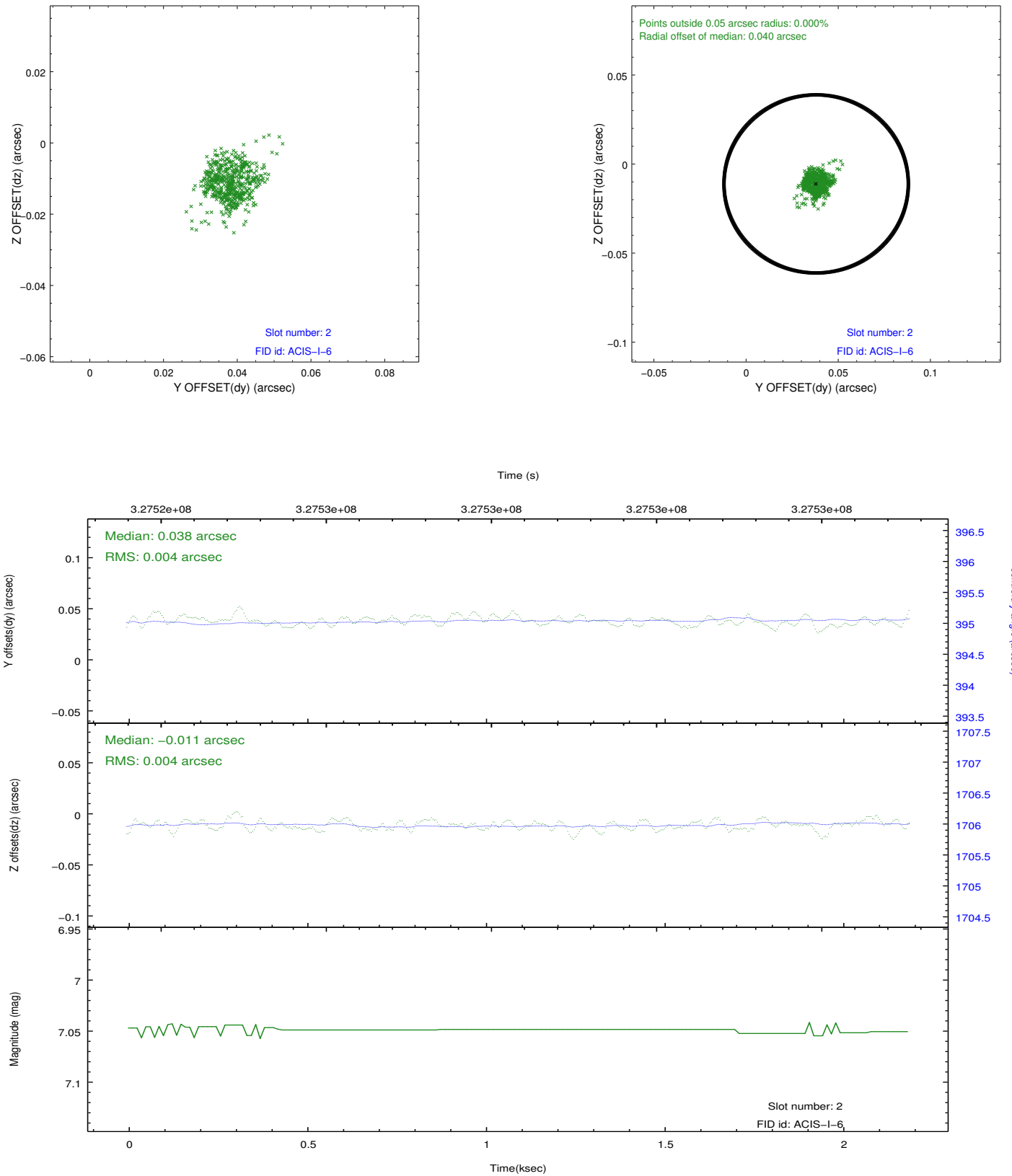
2.5.1 Slot 0



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)	2012.05.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.18860001

A.2 Comments