

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8687 - L2 Version 2
Chandra X-Ray Center

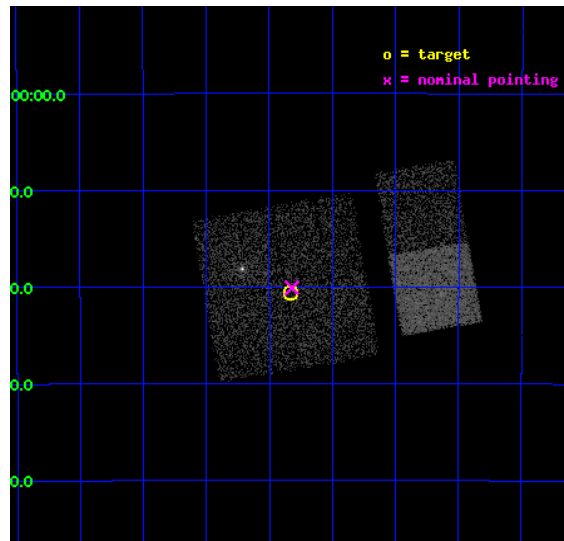
L2 Processing Date : May 15 2012

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1 Front

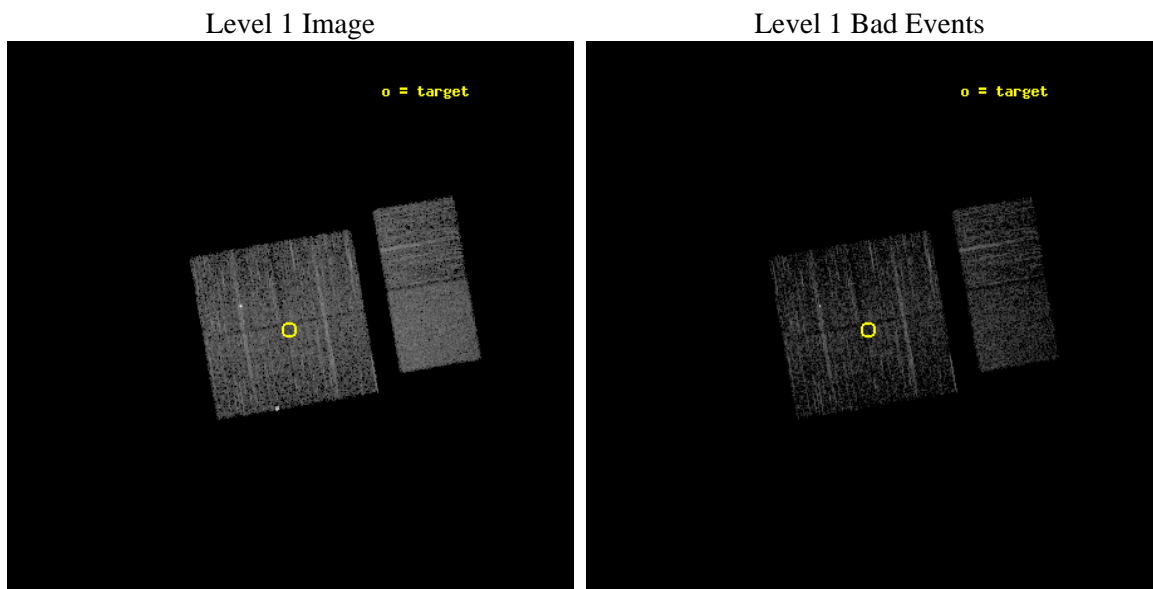
seq_num	400738	Sequence number
obs_id	8687	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	Prof Mariano Mendez	Principal investigator
object	GBSGTO5	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	265.081518	Observer's specified target RA [deg]
dec_targ	-28.342824	Observer's specified target Dec [deg]
ra_nom	265.08034732185	Nominal RA [deg]
dec_nom	-28.334897475149	Nominal Dec [deg]
roll_nom	80.208162935013	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1951.9999927878	Sum of GTIs [s]
livetime	1927.2825935259	Livetime [s]
ontime0	1951.9170185328	Sum of GTIs [s]
ontime1	1951.9580585361	Sum of GTIs [s]
ontime2	1951.9990985394	Sum of GTIs [s]
ontime3	1951.9999927878	Sum of GTIs [s]
ontime6	1951.9999927878	Sum of GTIs [s]
ontime7	1951.9999927878	Sum of GTIs [s]
l2events	24296	Number of level 2 events



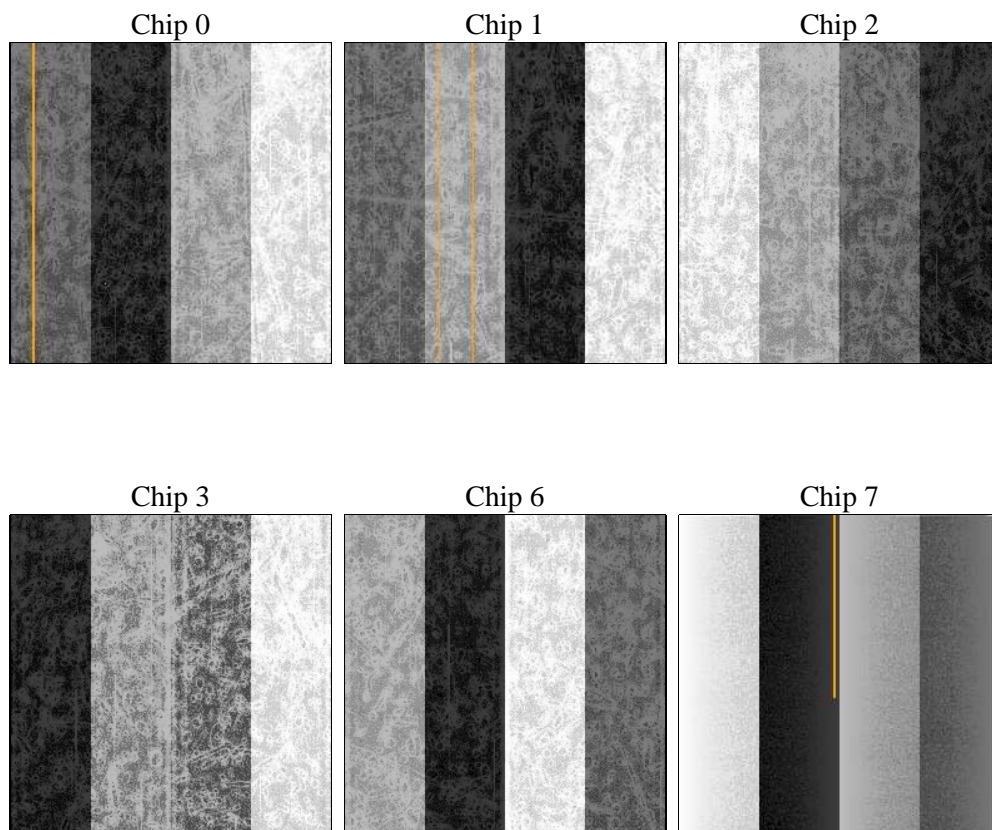
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.866000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	1951.9999927878	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	1951.9170185328	Sum of GTIs [s]
date	2012-05-15T03:05:17	Date and time of file creation	ontime1	1951.9580585361	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	1951.9990985394	Sum of GTIs [s]
			ontime3	1951.9999927878	Sum of GTIs [s]
			ontime6	1951.9999927878	Sum of GTIs [s]
			ontime7	1951.9999927878	Sum of GTIs [s]
			l1events	124122	Number of level 1 events

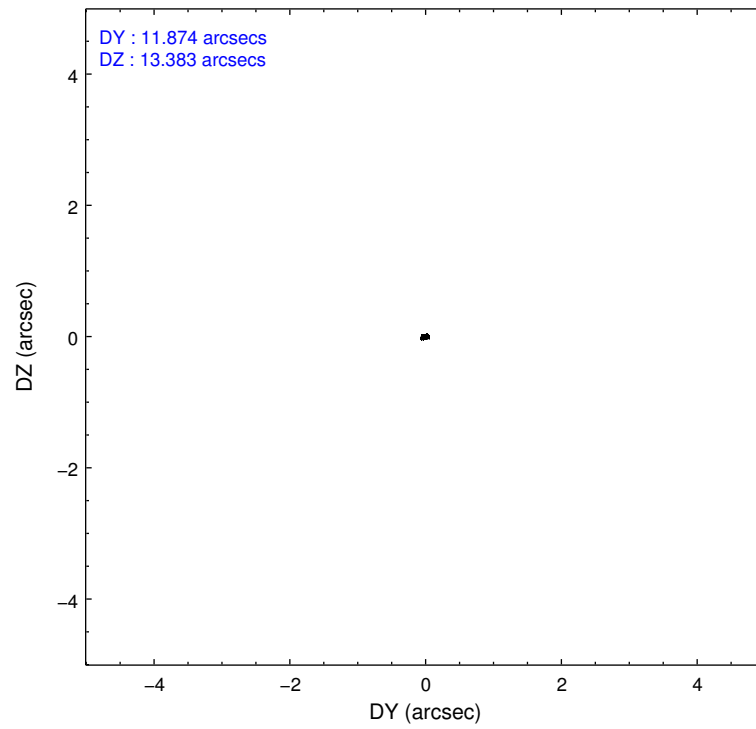
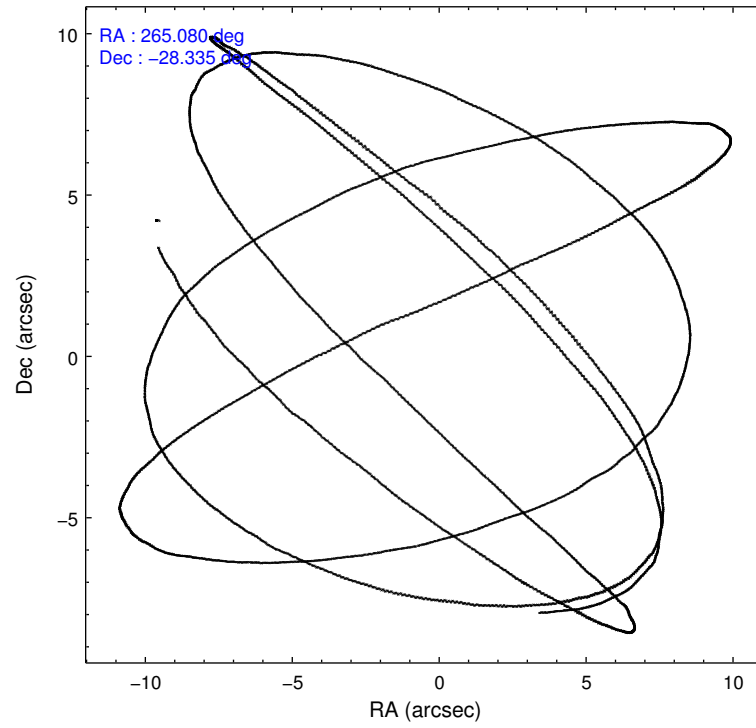
2.1.4 Events

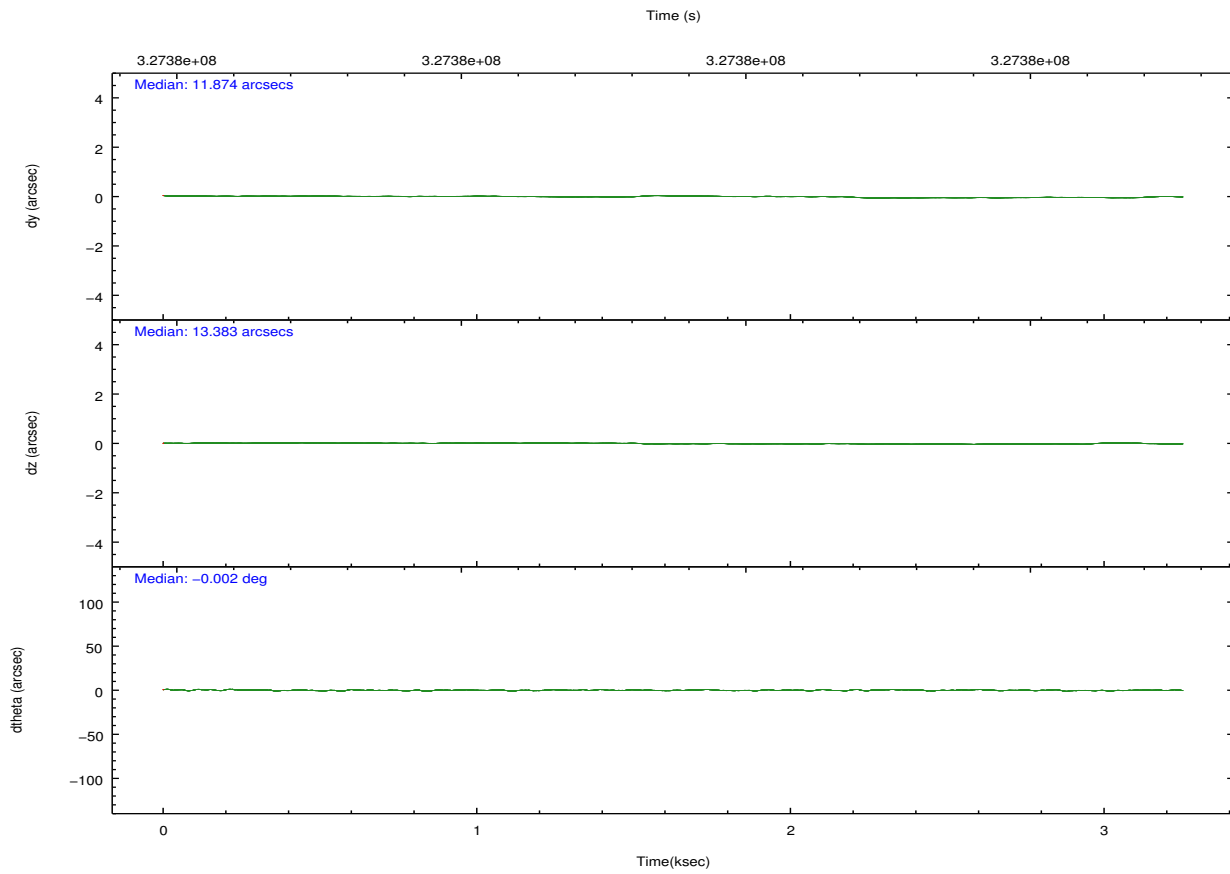
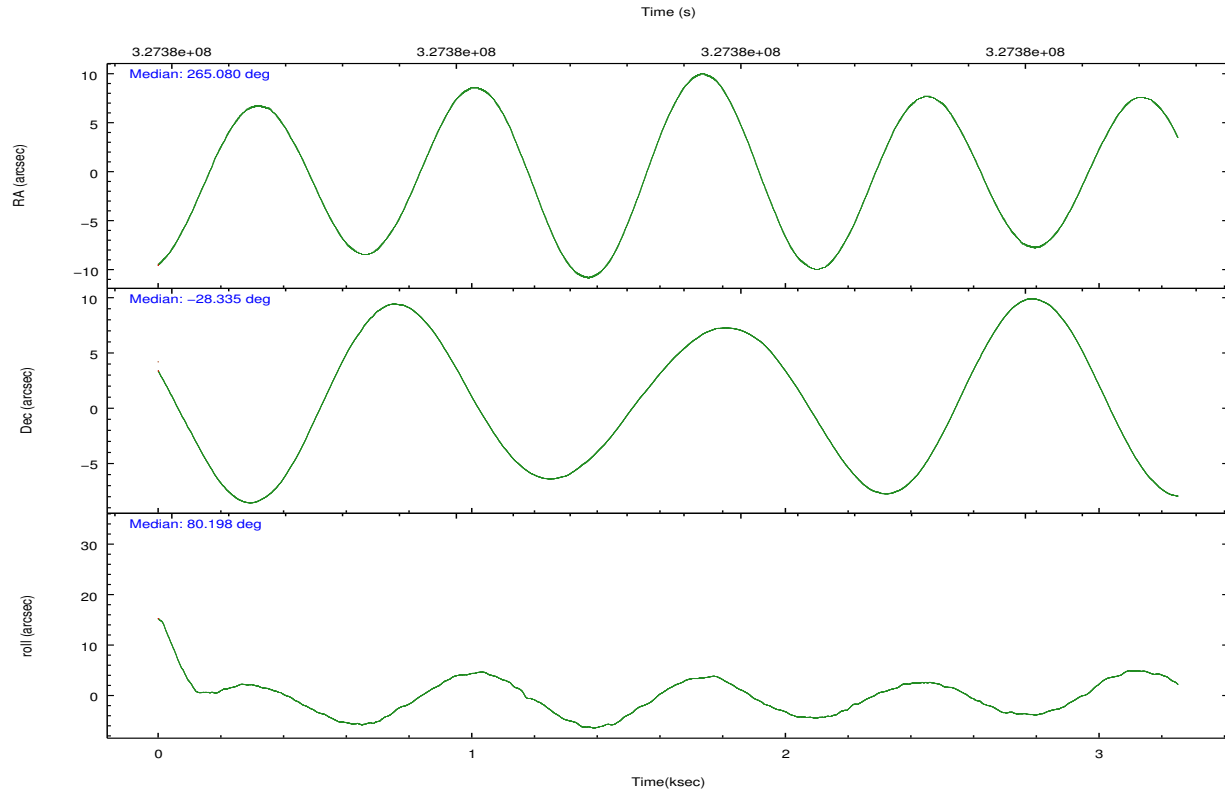
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	21652	19082	19393	17891	19338	26766	grade 0 events	3068	1134	1153	1220	1089	1014
rejected events	16327	15138	16960	15349	16777	15650		14%	5%	5%	6%	5%	3%
rejected %	75%	79%	87%	85%	86%	58%	grade 1 events	238	6	16	14	15	30
								1%	0%	0%	0%	0%	0%
							grade 2 events	971	1870	499	463	499	2340
								4%	9%	2%	2%	2%	8%
							grade 3 events	384	228	209	220	227	946
								1%	1%	1%	1%	1%	3%
							grade 4 events	357	217	217	215	224	904
								1%	1%	1%	1%	1%	3%
							grade 5 events	922	865	764	861	873	2444
								4%	4%	3%	4%	4%	9%
							grade 6 events	568	513	364	428	526	5950
								2%	2%	1%	2%	2%	22%
							grade 7 events	15144	14249	16171	14470	15885	13138
								69%	74%	83%	80%	82%	49%

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	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	265.091233	265.0803473218493	CCD I2 on	Y	Y
[deg] Pointing Dec	-28.360577	-28.33489747514856	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004618	80.20816293501264	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	O1	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O2	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	327383363.184000	327381871.41624	CCD S5 on	N	N
Observation start date	2008-05-17T03:48:18	2008-05-17T03:24:31	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327385364.184000	327385601.39143	On-chip summing requested	N	N
Observation end date	2008-05-17T04:21:39	2008-05-17T04:26:41	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



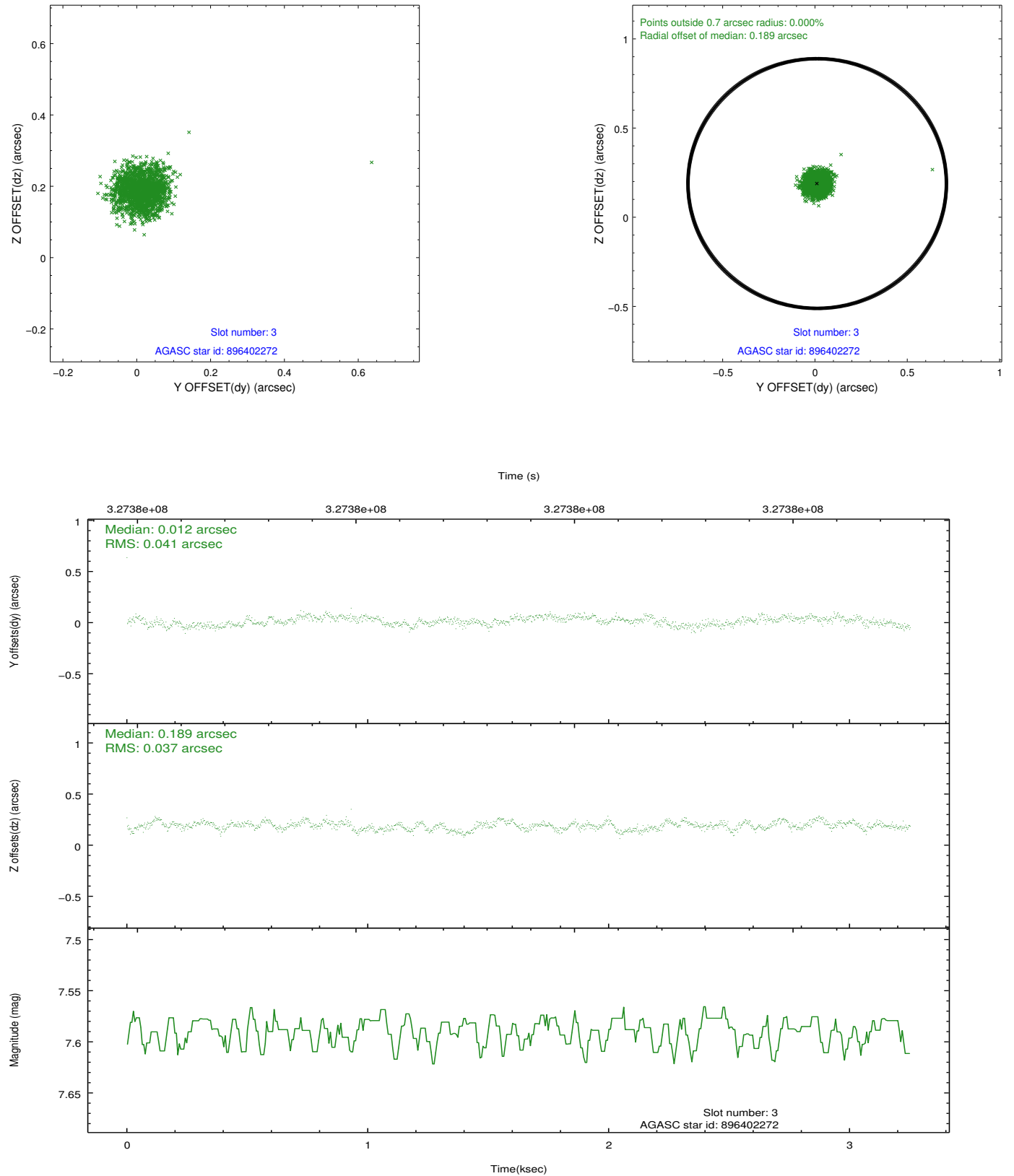


Slot Statistics

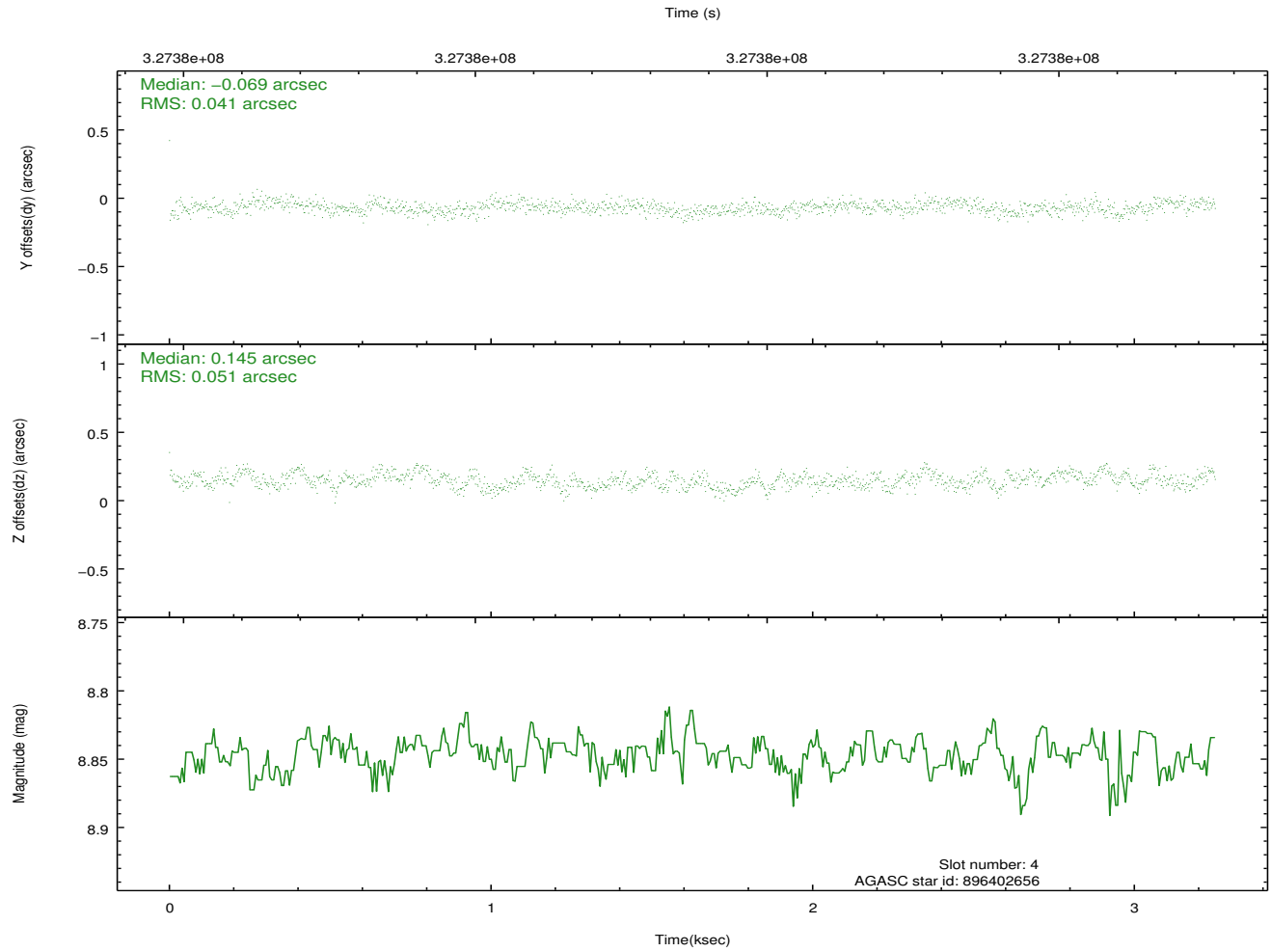
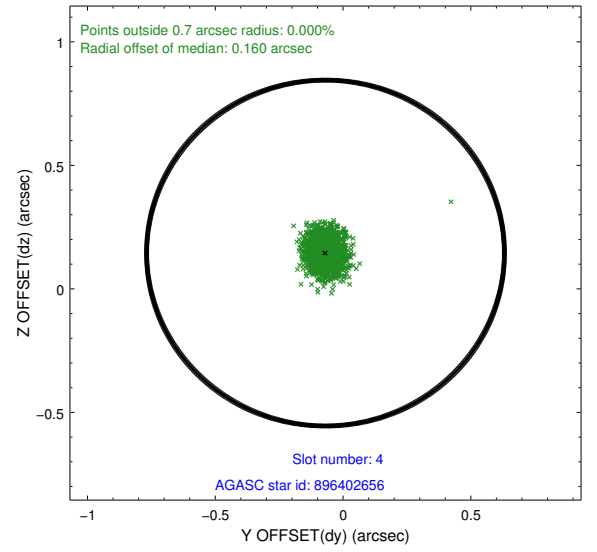
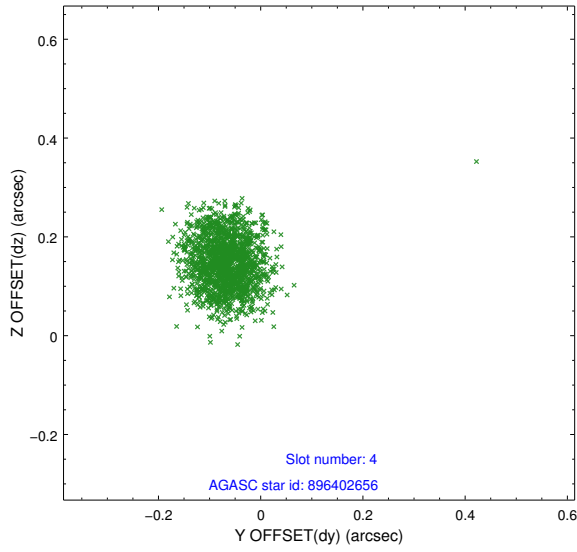
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.07	794	0.012	0.036	0.006	0.010	0.000000	0.000000	927.69	-836.90
1	FID	ACIS-I-5	7.06	794	-0.159	0.039	0.006	0.011	0.000000	0.000000	-1819.51	1059.61
2	FID	ACIS-I-6	7.06	794	0.055	-0.005	0.007	0.011	0.000000	0.000000	391.15	1706.29
3	GUIDE	896402272	7.59	1587	0.012	0.189	0.058	0.086	265.637294	-28.313189	465.36	-1674.85
4	GUIDE	896402656	8.85	1584	-0.069	0.145	0.070	0.111	265.739192	-28.230753	812.65	-1944.27
5	GUIDE	896402976	7.49	1587	0.097	0.130	0.056	0.094	265.099474	-28.923203	-1989.03	-378.27
6	GUIDE	896405048	8.27	1587	-0.085	-0.249	0.074	0.122	264.482575	-28.152230	397.34	2031.87
7	GUIDE	896406568	8.25	1584	0.042	-0.211	0.062	0.100	264.435951	-28.437282	-637.15	1995.26

2.4 Star Slots

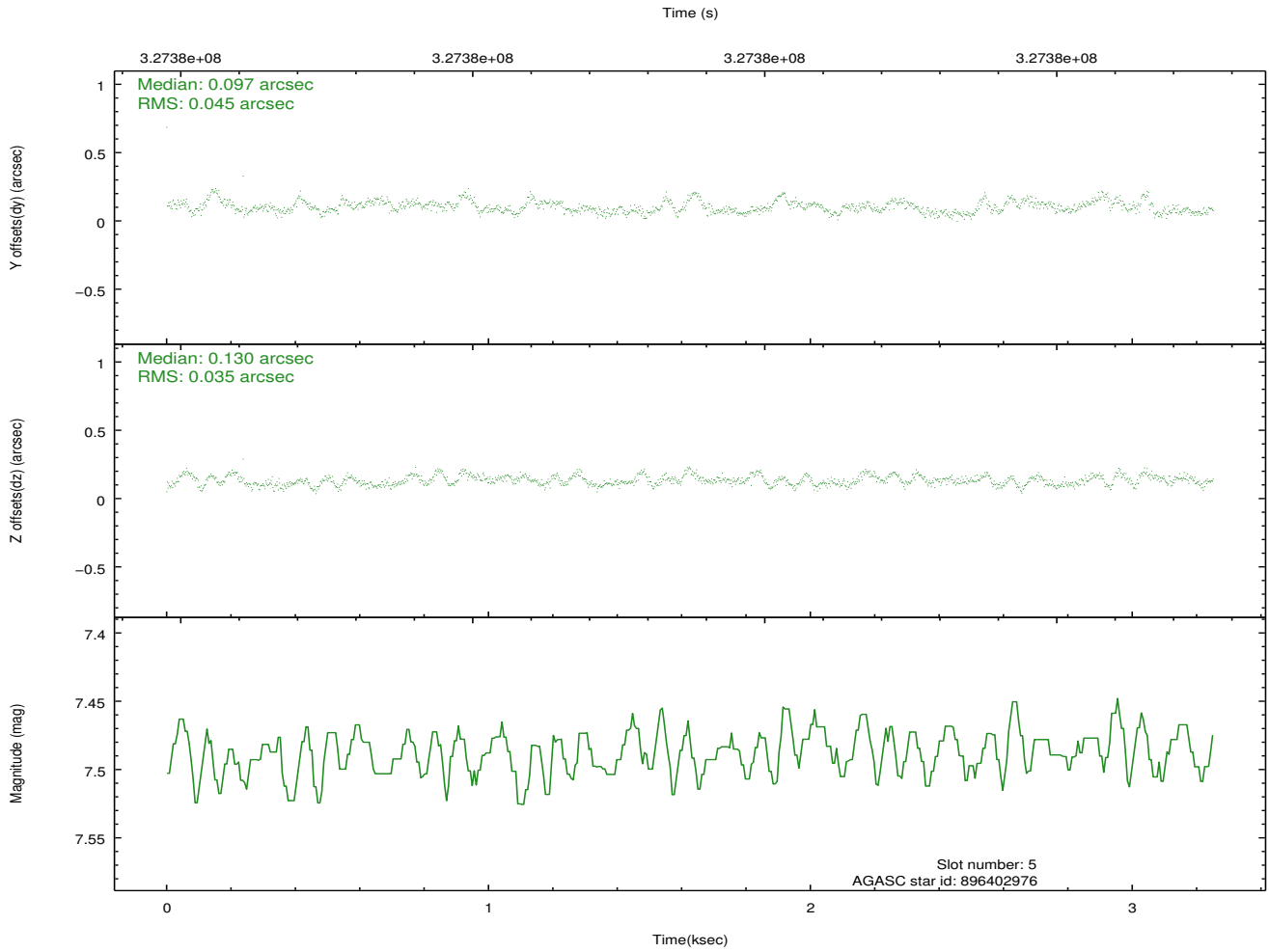
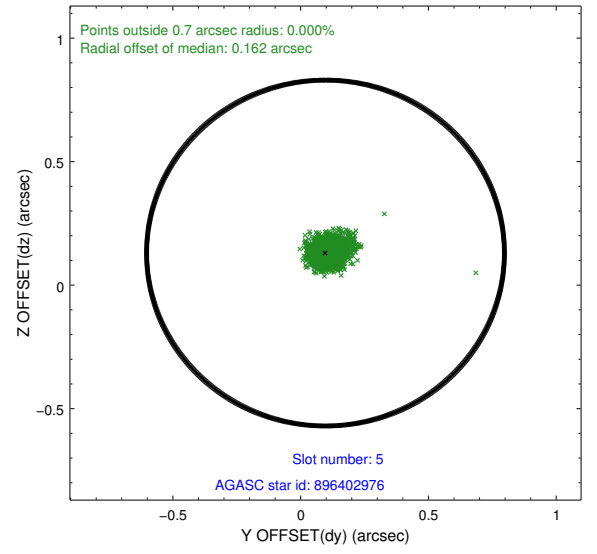
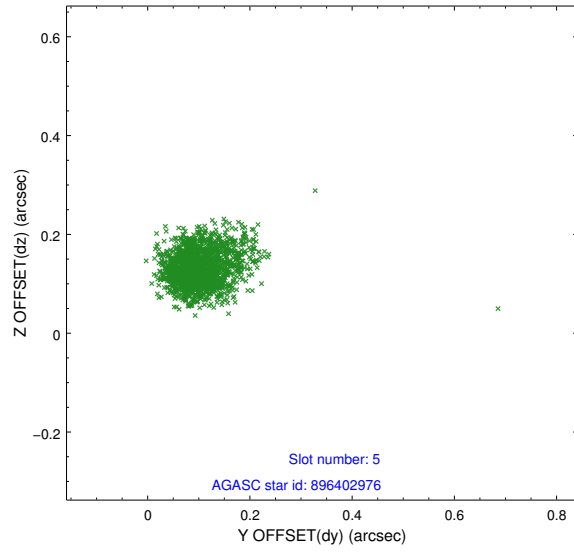
2.4.1 Slot 3



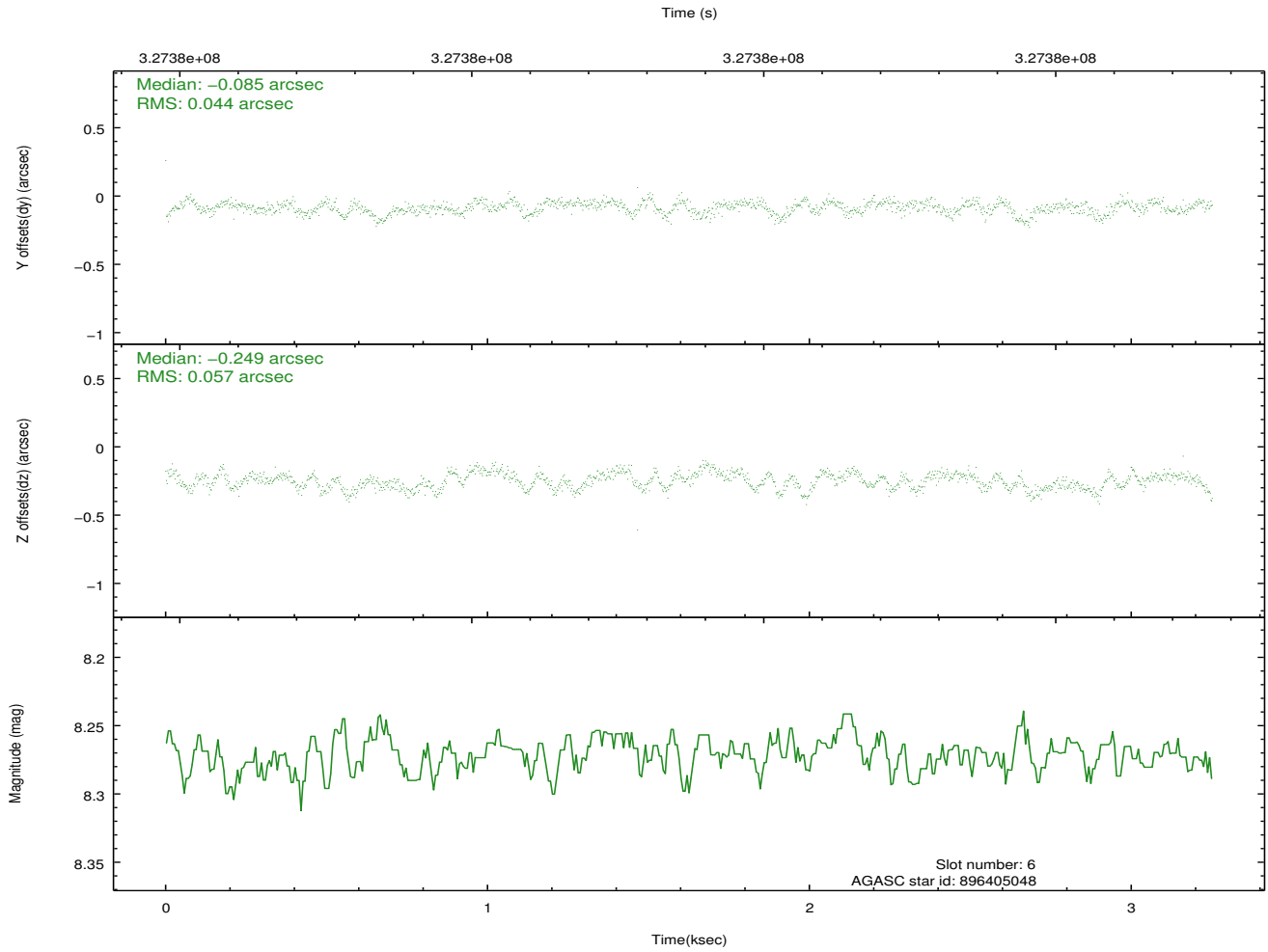
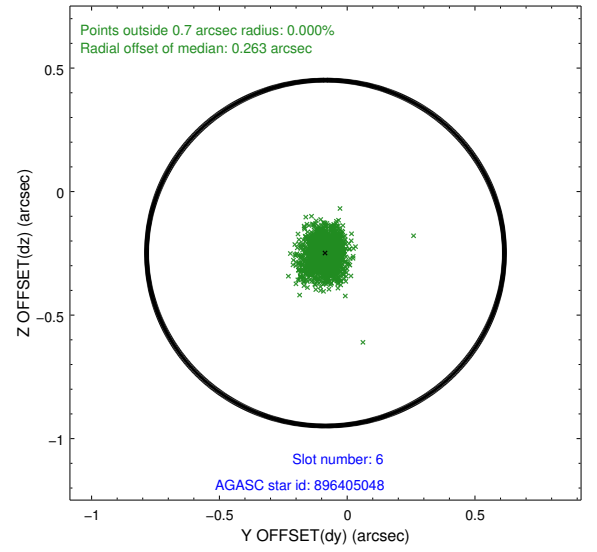
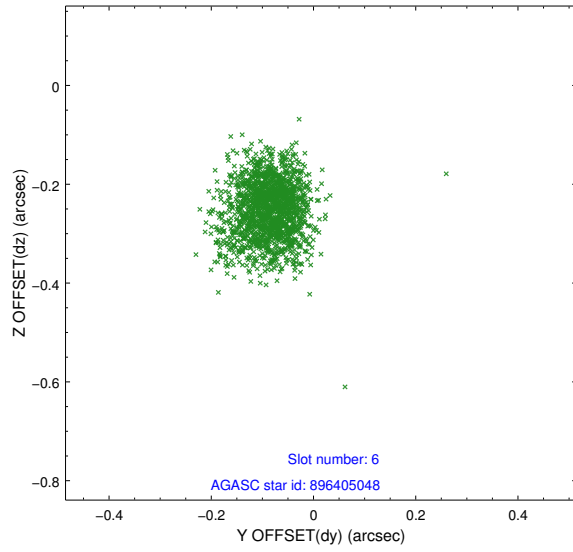
2.4.2 Slot 4



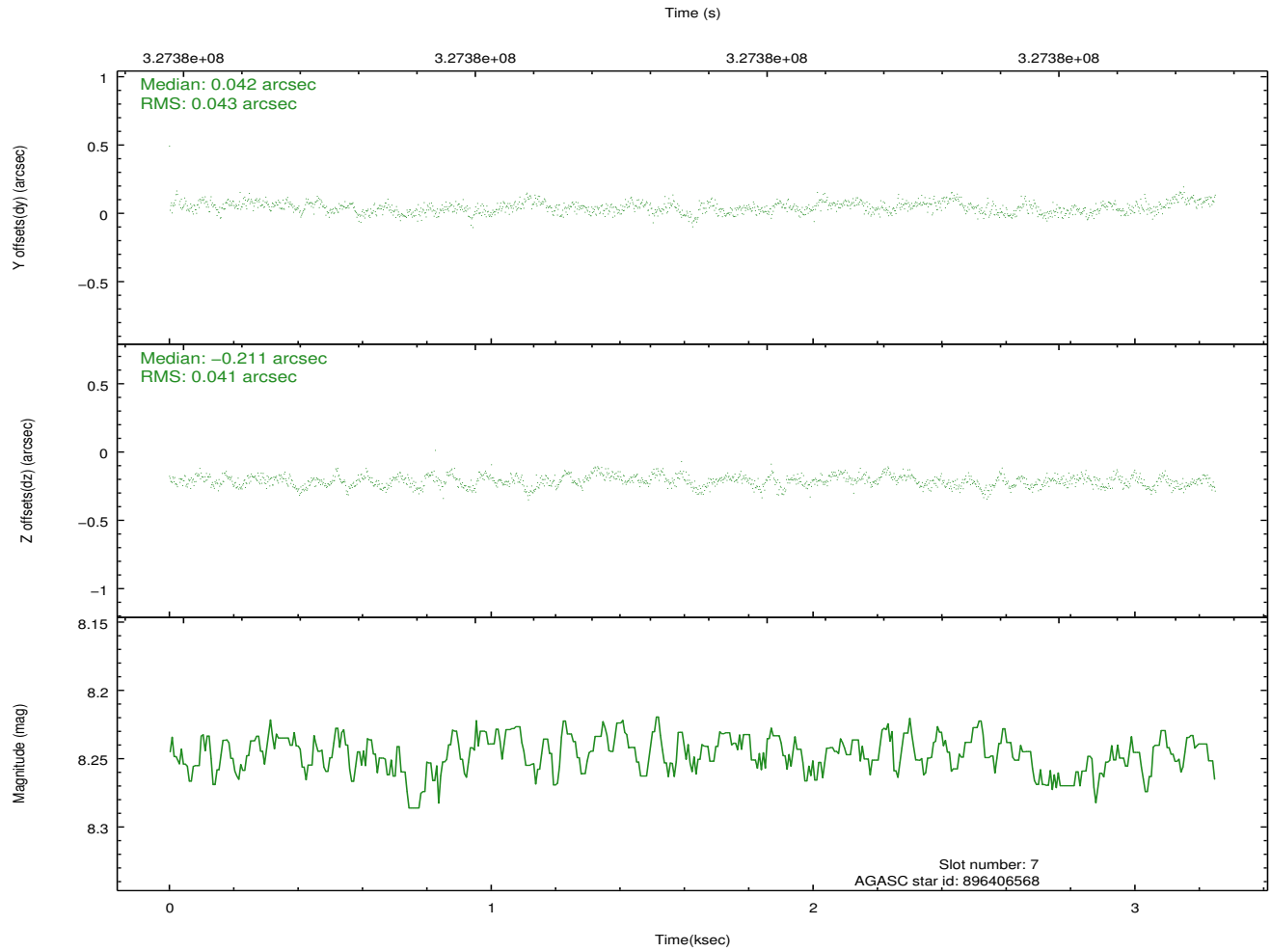
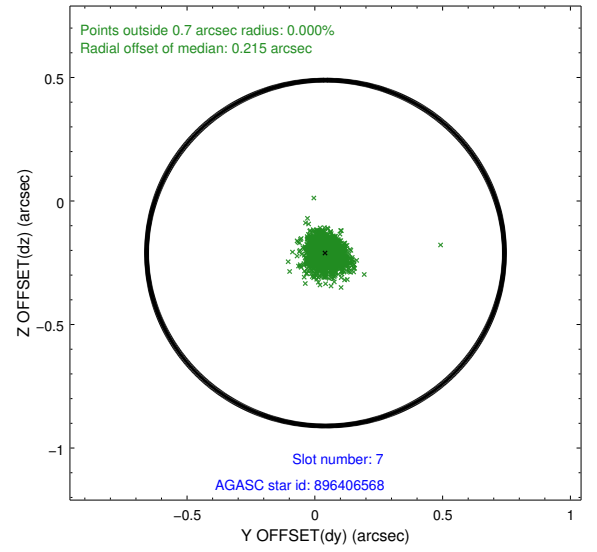
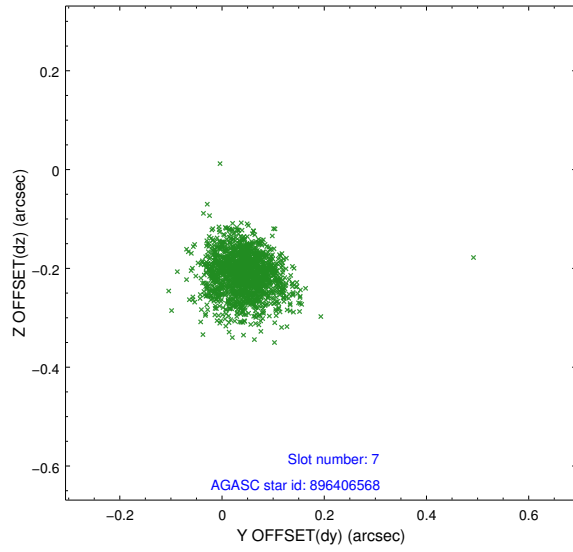
2.4.3 Slot 5



2.4.4 Slot 6

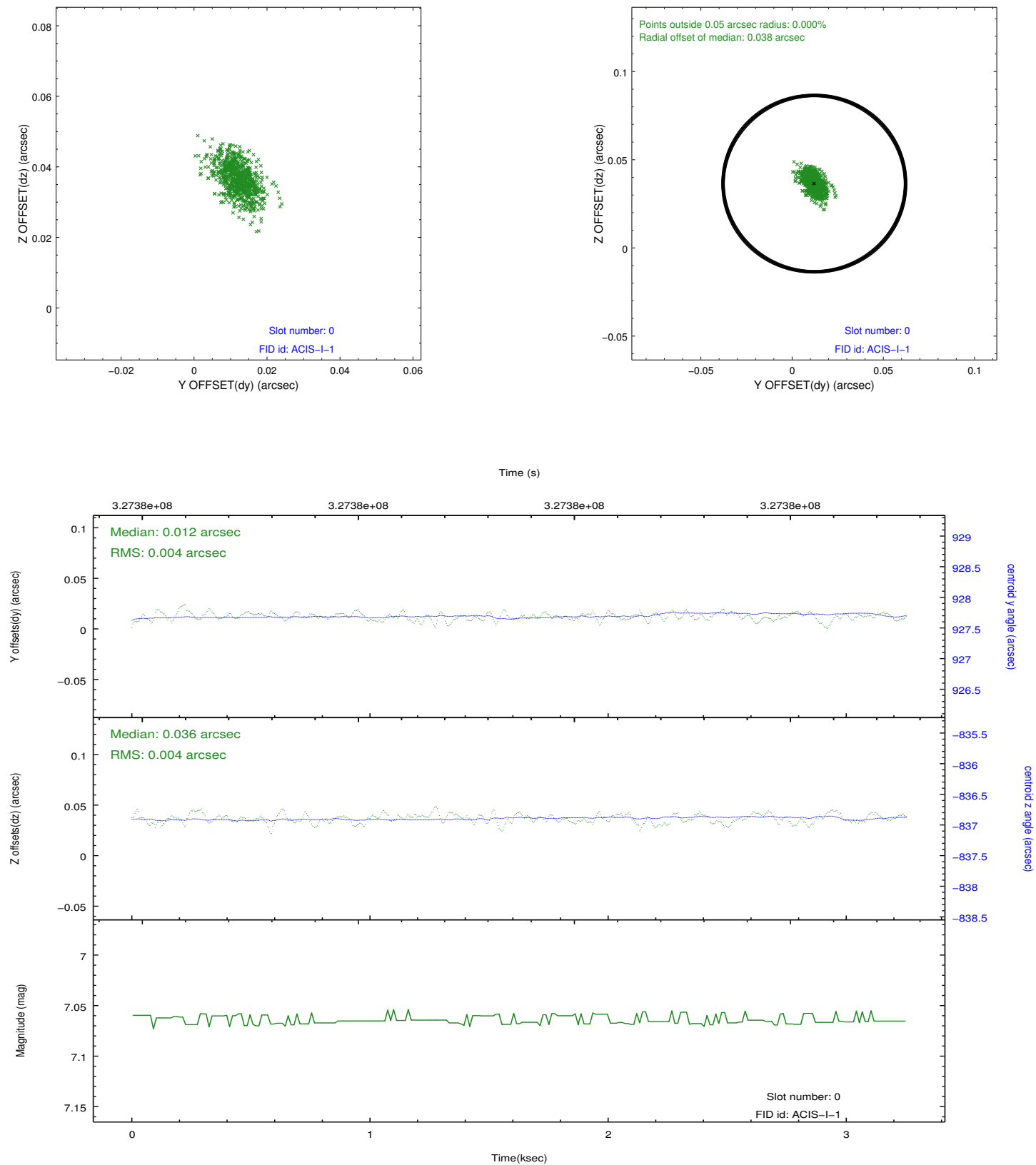


2.4.5 Slot 7

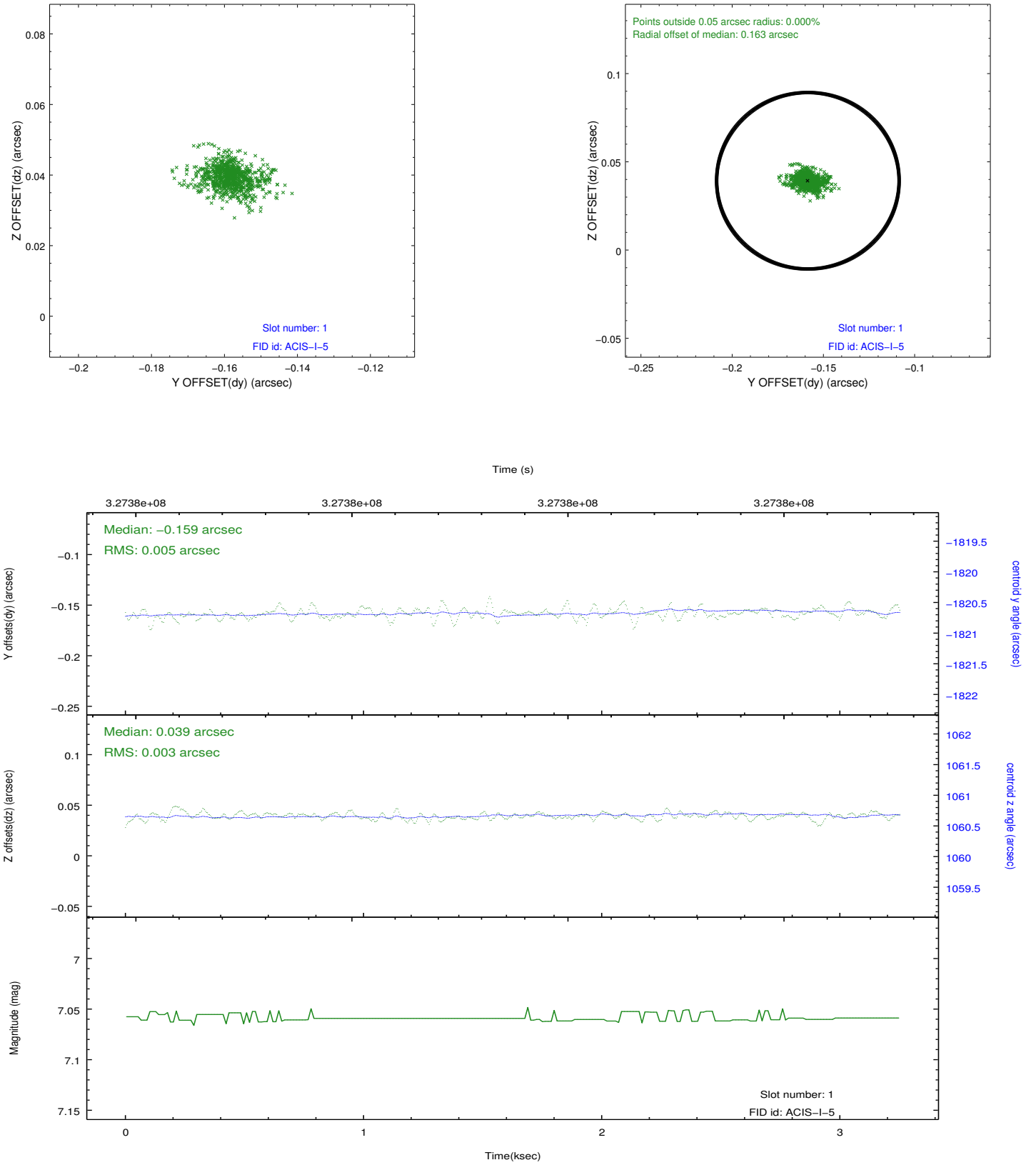


2.5 FID Slots

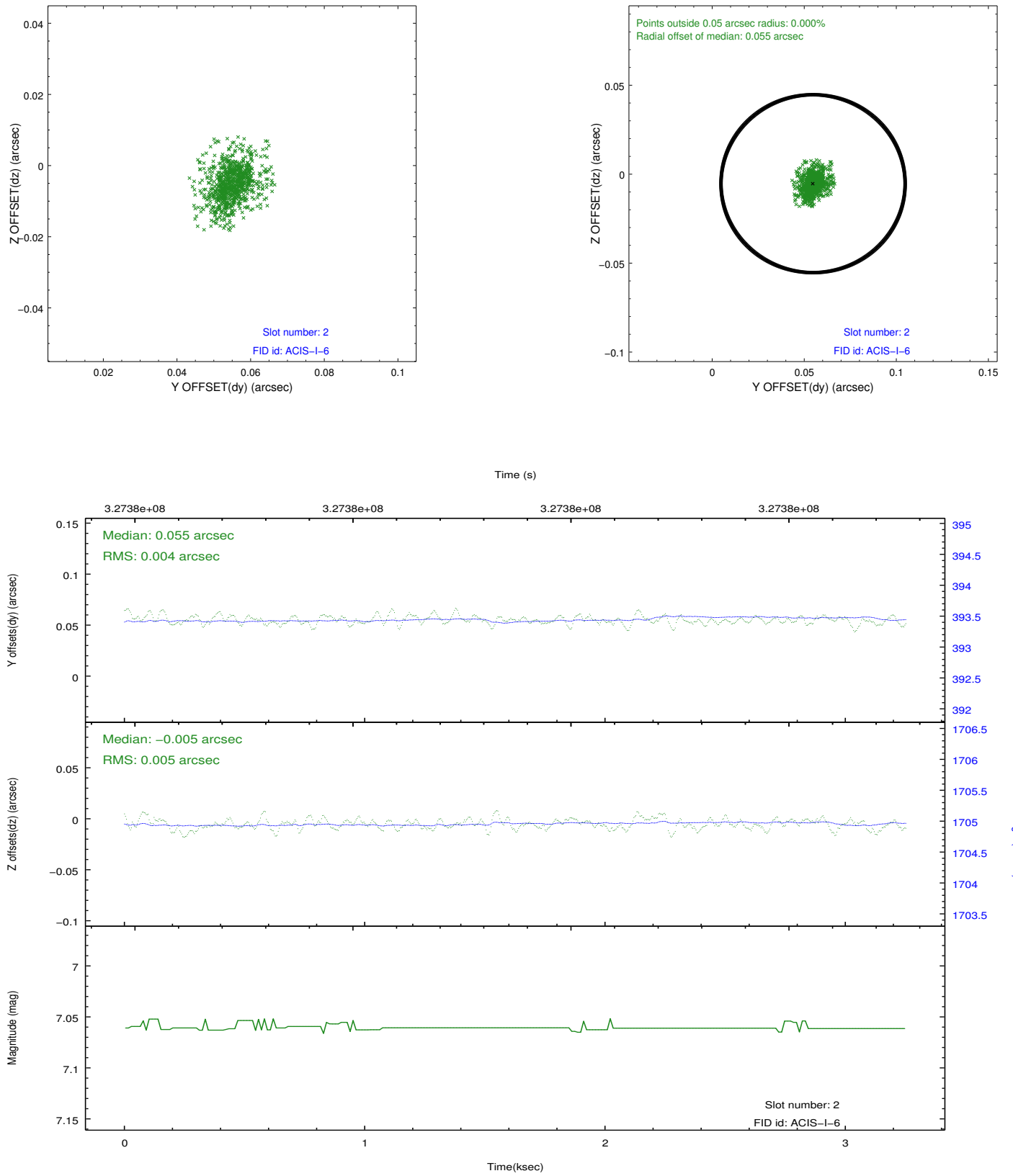
2.5.1 Slot 0



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	1.95199999

A.2 Comments