

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8645 - L2 Version 2
Chandra X-Ray Center

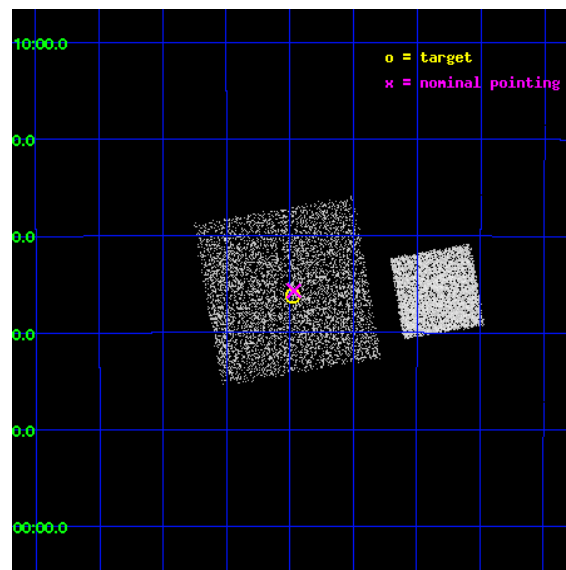
L2 Processing Date : May 14 2012

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1 Front

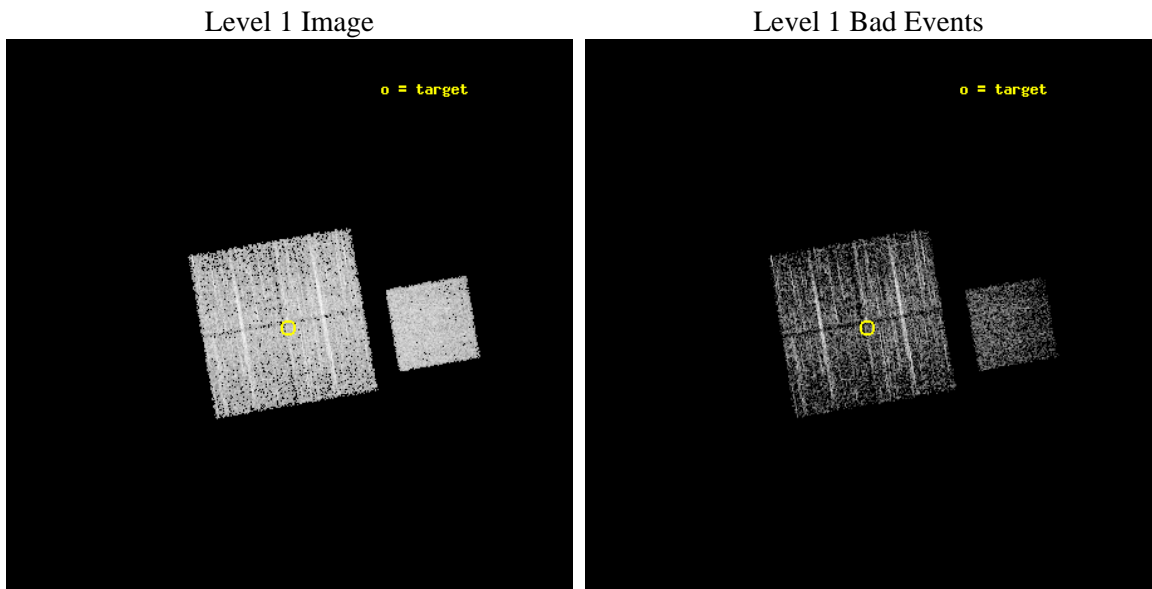
seq_num	400696	Sequence number
obs_id	8645	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	Prof Mariano Mendez	Principal investigator
object	GBSGTO1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	265.868534	Observer's specified target RA [deg]
dec_targ	-27.602683	Observer's specified target Dec [deg]
ra_nom	265.86728960832	Nominal RA [deg]
dec_nom	-27.594837357443	Nominal Dec [deg]
roll_nom	80.208107226628	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2185.5000168085	Sum of GTIs [s]
livetime	2156.9448501472	Livetime [s]
ontime0	2185.5000168085	Sum of GTIs [s]
ontime1	2185.5000168085	Sum of GTIs [s]
ontime2	2185.5000168085	Sum of GTIs [s]
ontime3	2185.5000168085	Sum of GTIs [s]
ontime7	2185.5000168085	Sum of GTIs [s]
l2events	15566	Number of level 2 events



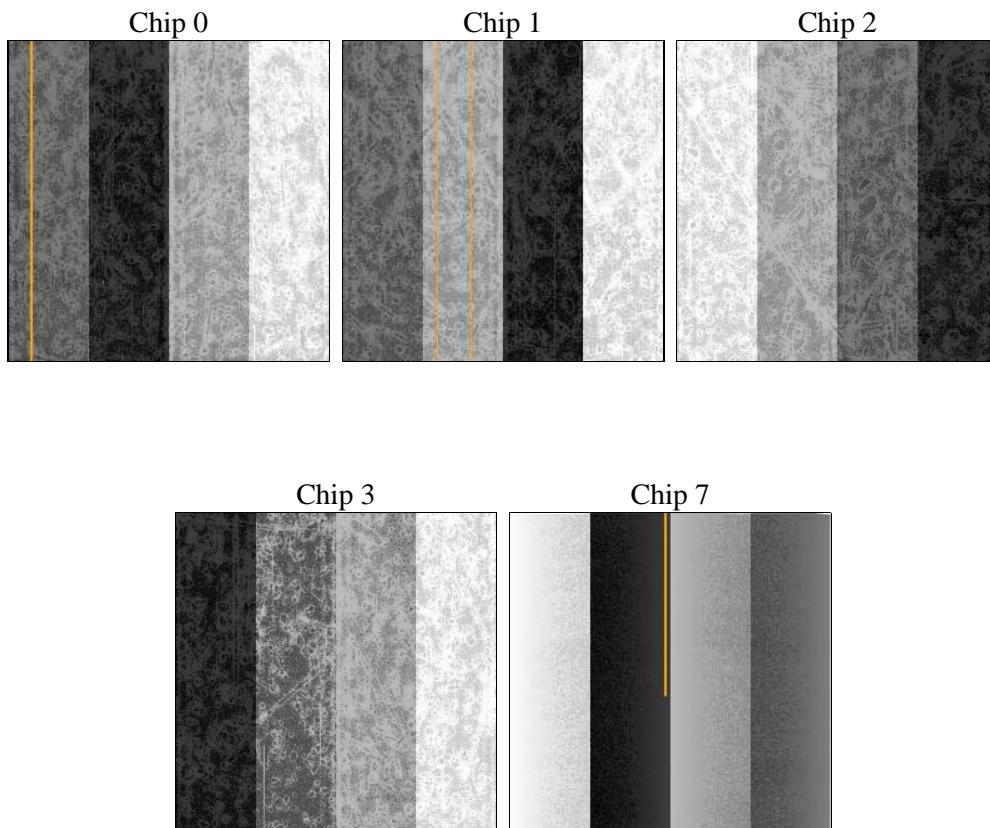
2 OBI

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	2185.5000168085	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	2185.5000168085	Sum of GTIs [s]
date	2012-05-14T23:50:38	Date and time of file creation	ontime1	2185.5000168085	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2185.5000168085	Sum of GTIs [s]
			ontime3	2185.5000168085	Sum of GTIs [s]
			ontime7	2185.5000168085	Sum of GTIs [s]
			l1events	103082	Number of level 1 events

2.1.4 Events

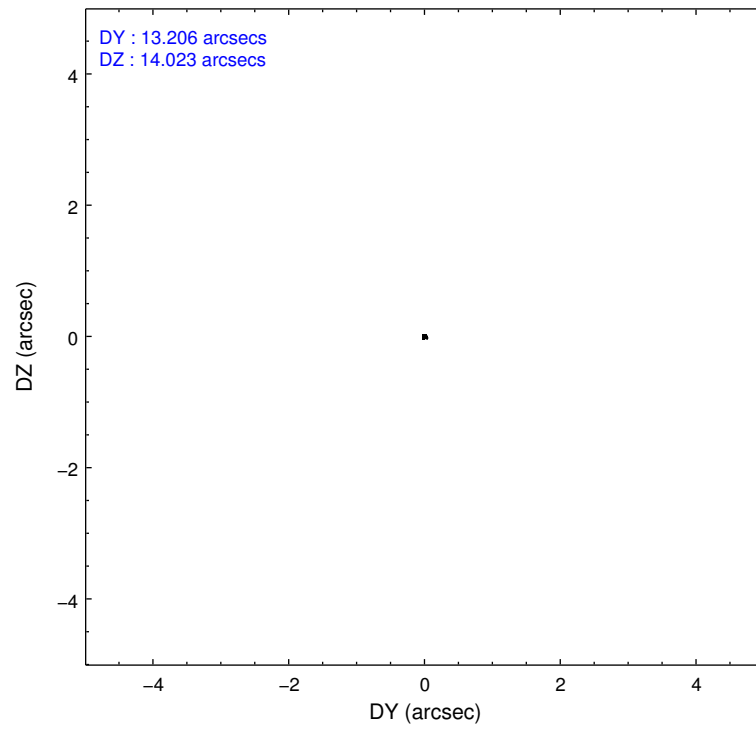
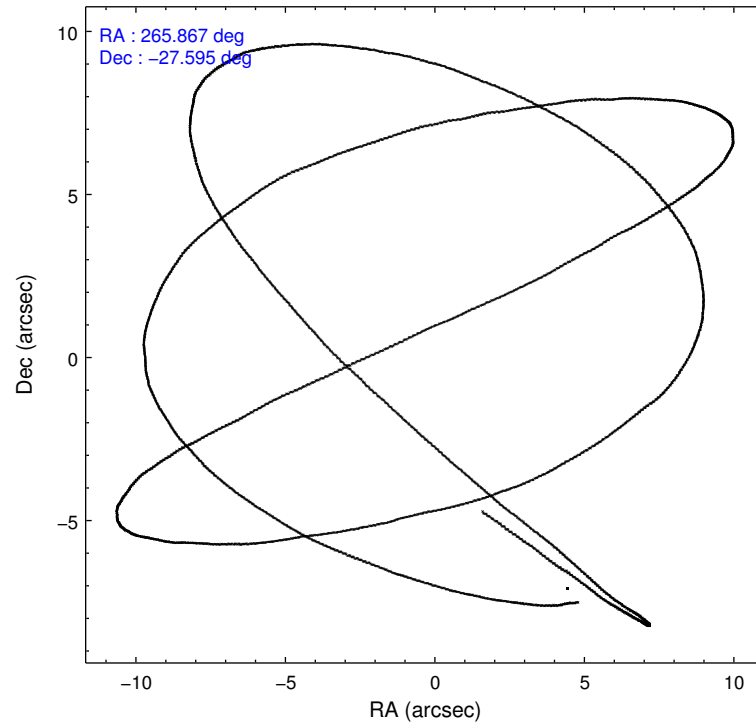
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	19021	18095	22643	20184	23139
rejected events	17040	15976	20692	18245	14014
rejected %	89%	88%	91%	90%	60%

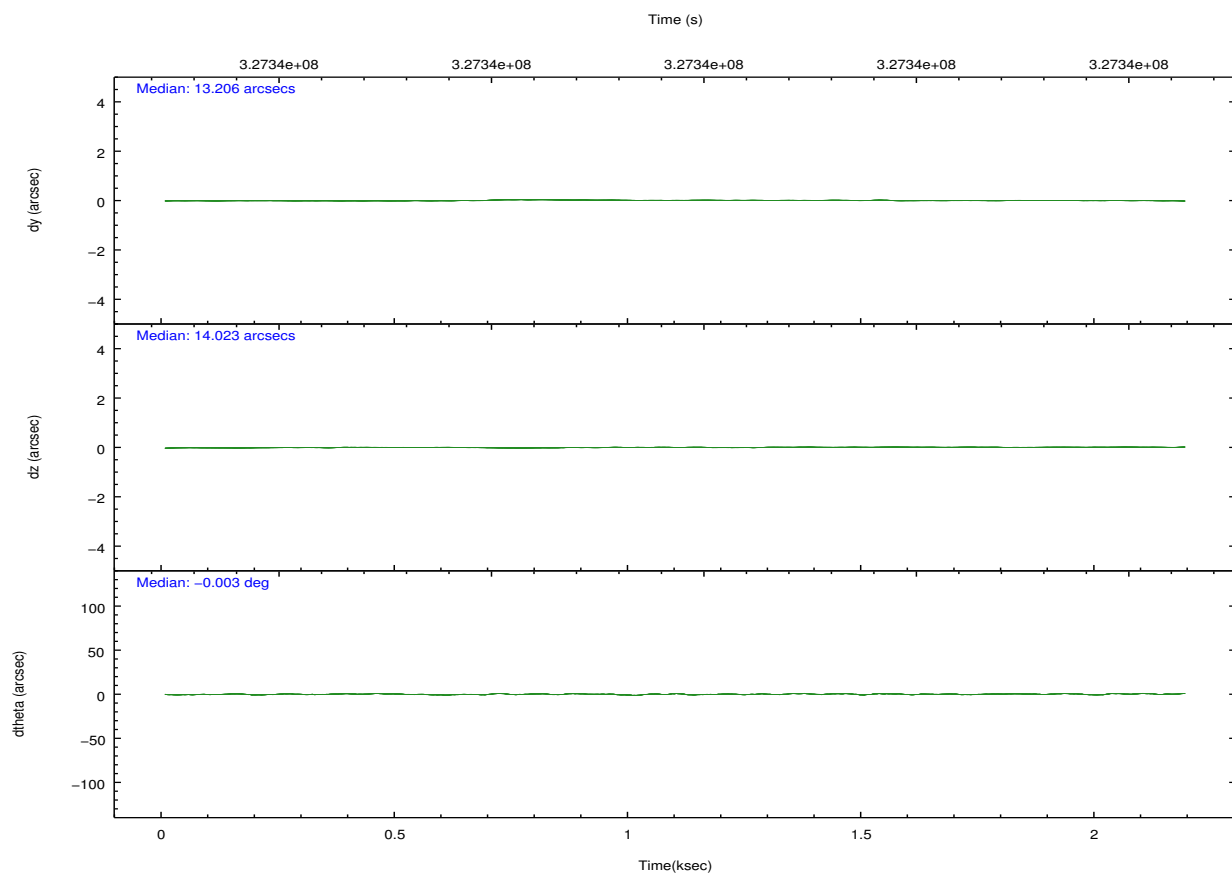
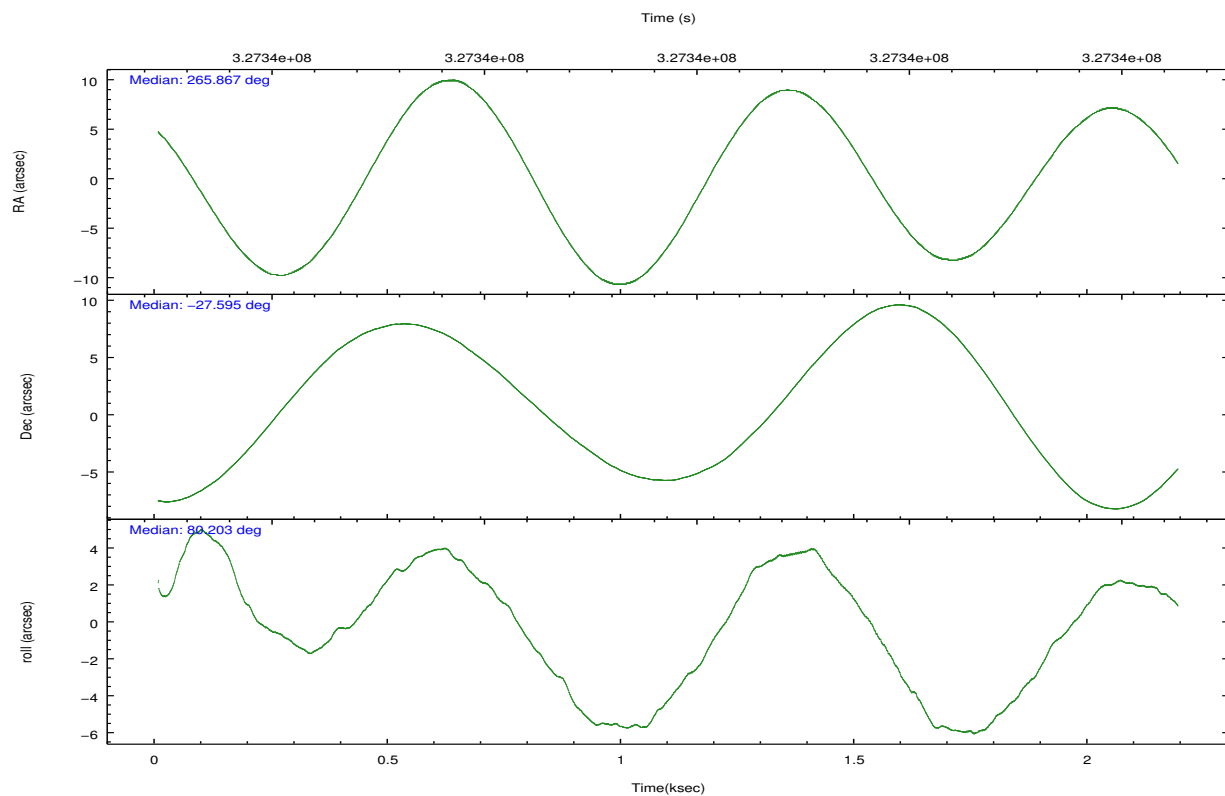
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	898	1009	943	931	984
	4%	5%	4%	4%	4%
grade 1 events	10	9	15	12	40
	0%	0%	0%	0%	0%
grade 2 events	512	508	483	424	2172
	2%	2%	2%	2%	9%
grade 3 events	216	243	216	232	1010
	1%	1%	0%	1%	4%
grade 4 events	234	234	206	223	937
	1%	1%	0%	1%	4%
grade 5 events	728	758	671	838	2461
	3%	4%	2%	4%	10%
grade 6 events	403	457	375	395	5401
	2%	2%	1%	1%	23%
grade 7 events	16020	14877	19734	17129	10134
	84%	82%	87%	84%	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	265.878183	265.8672896083177	CCD I2 on	Y	Y
[deg] Pointing Dec	-27.620434	-27.59483735744316	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004477	80.20810722662755	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)	327339523.184000	327339147.36416	CCD S5 on	N	N
Observation start date	2008-05-16T15:37:38	2008-05-16T15:32:27	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327341523.184000	327341657.07678	On-chip summing requested	N	N
Observation end date	2008-05-16T16:10:58	2008-05-16T16:14:17	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



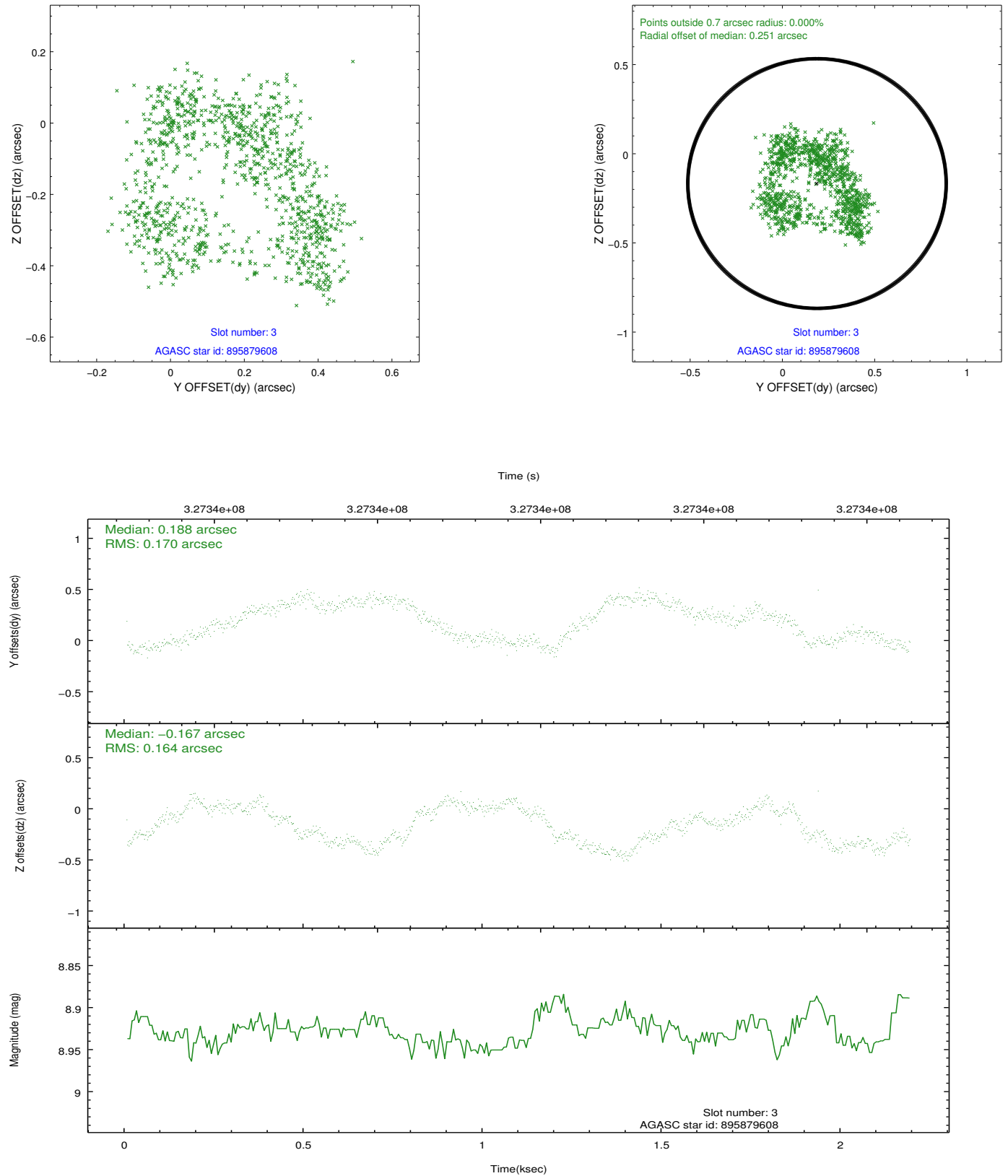


Slot Statistics

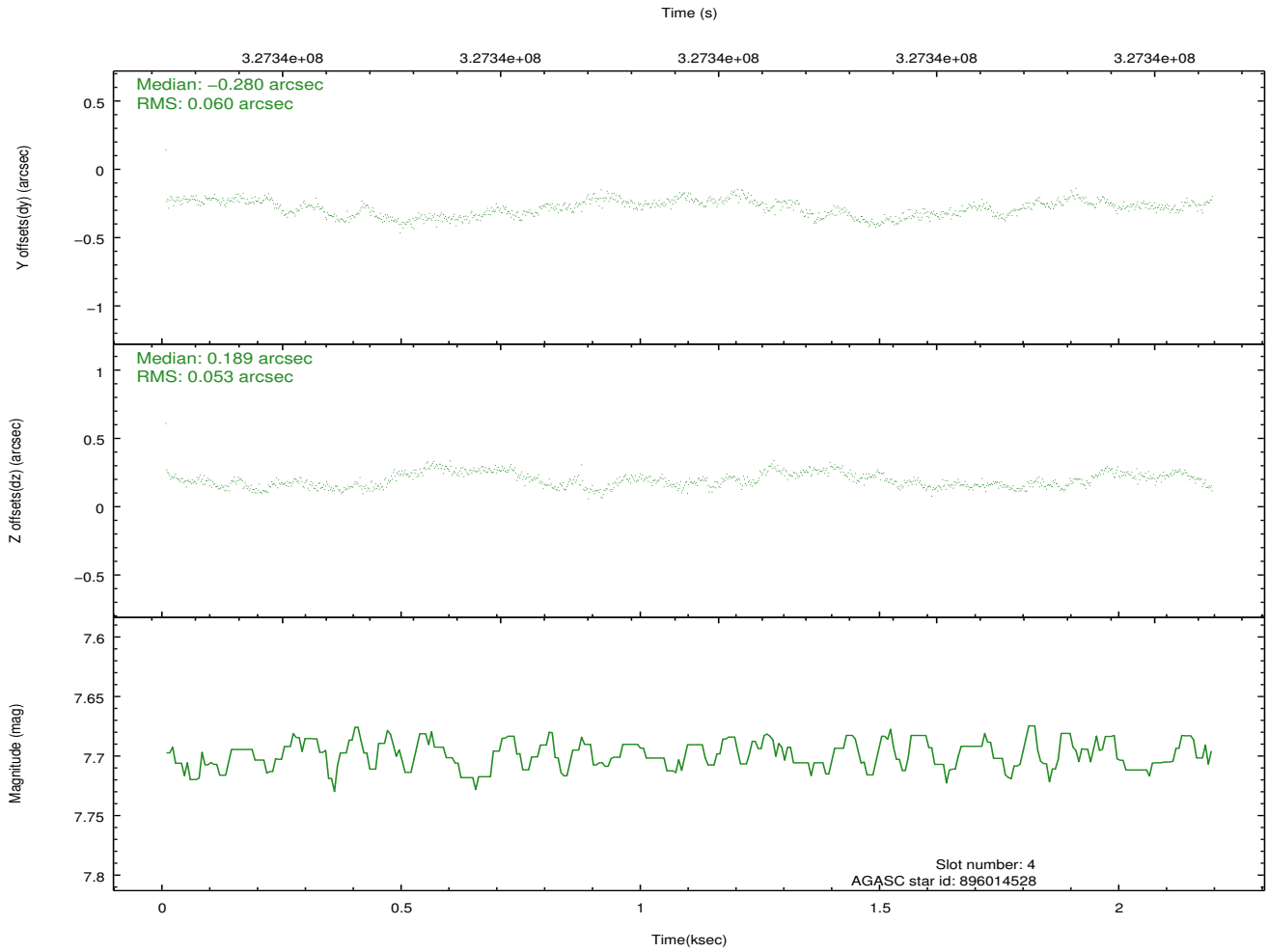
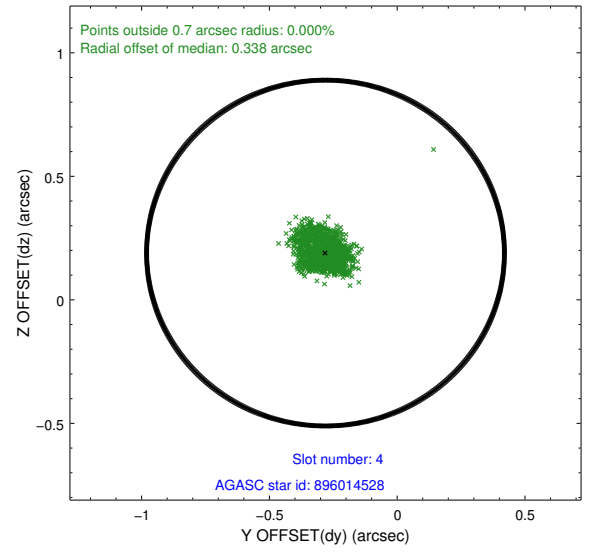
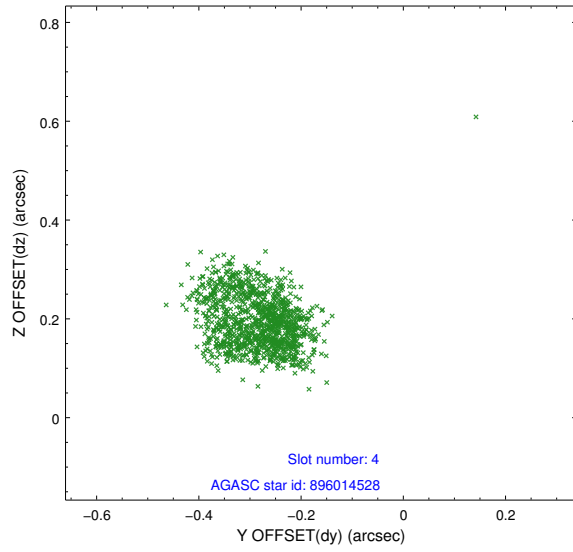
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.06	534	0.004	0.046	0.006	0.011	0.000000	0.000000	926.31	-837.54
1	FID	ACIS-I-5	7.05	533	-0.174	0.028	0.006	0.012	0.000000	0.000000	-1820.34	1058.41
2	FID	ACIS-I-6	7.06	534	0.078	-0.003	0.007	0.011	0.000000	0.000000	388.66	1706.28
3	GUIDE	895879608	8.93	1068	0.188	-0.167	0.260	0.341	265.708239	-27.843915	-885.55	393.01
4	GUIDE	896014528	7.70	1068	-0.280	0.189	0.086	0.128	266.628858	-27.438607	1053.83	-2248.78
5	GUIDE	896014680	8.76	1067	-0.110	0.106	0.093	0.146	266.460330	-27.216583	1752.94	-1585.48
6	GUIDE	896402656	8.85	1068	0.175	-0.286	0.093	0.146	265.739192	-28.230753	-2237.86	50.99
7	GUIDE	896538696	6.89	1067	0.045	0.158	0.077	0.106	266.298470	-28.325572	-2272.07	-1752.57

2.4 Star Slots

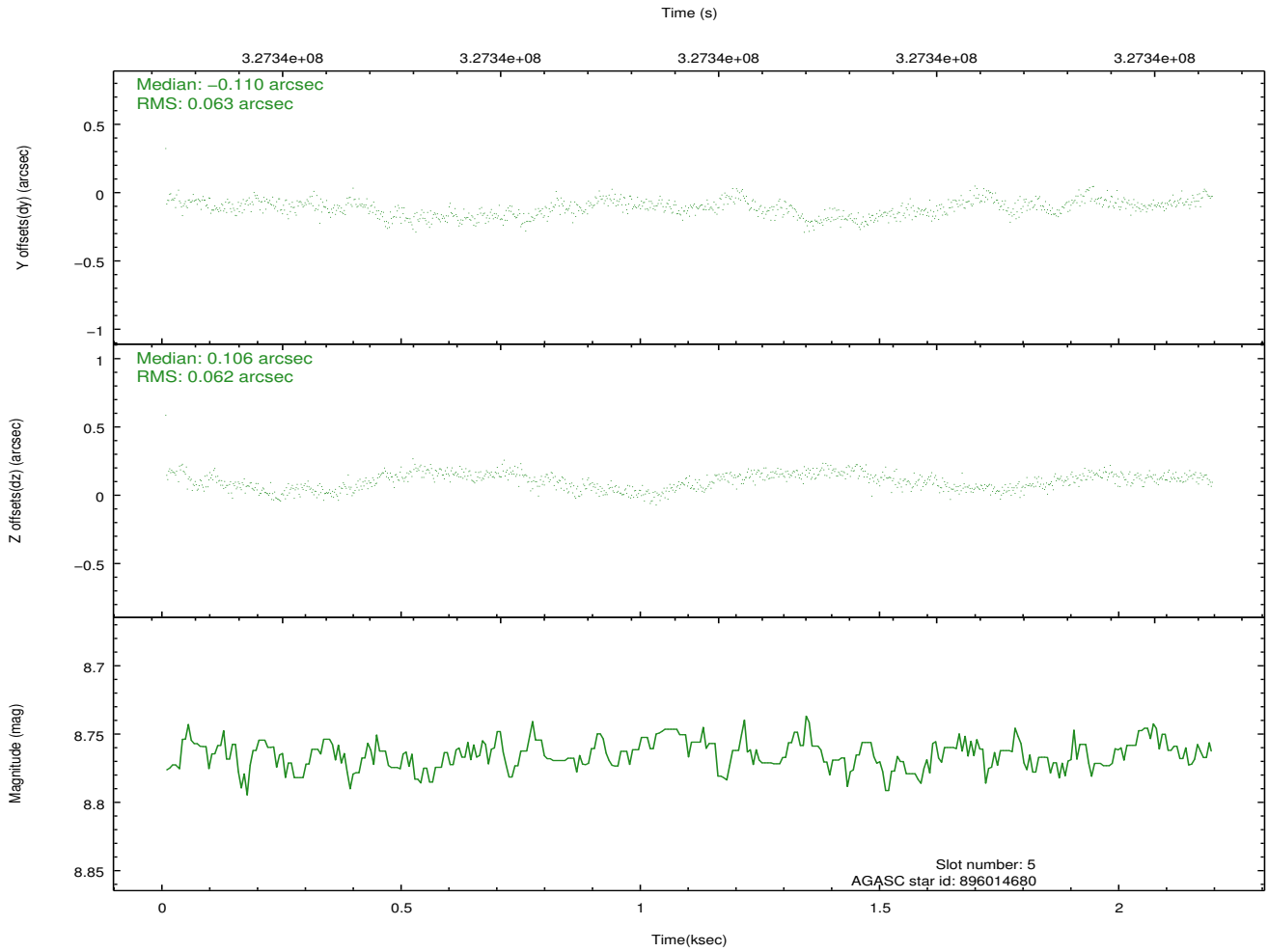
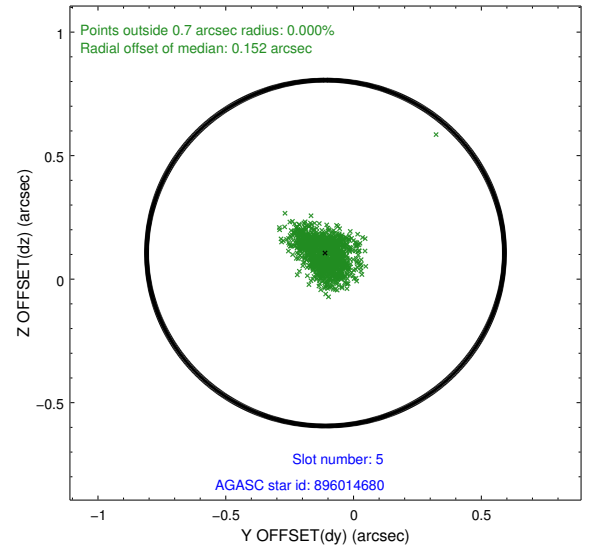
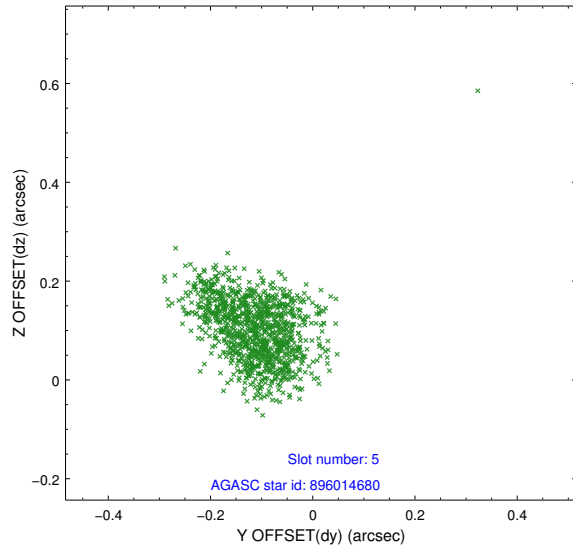
2.4.1 Slot 3



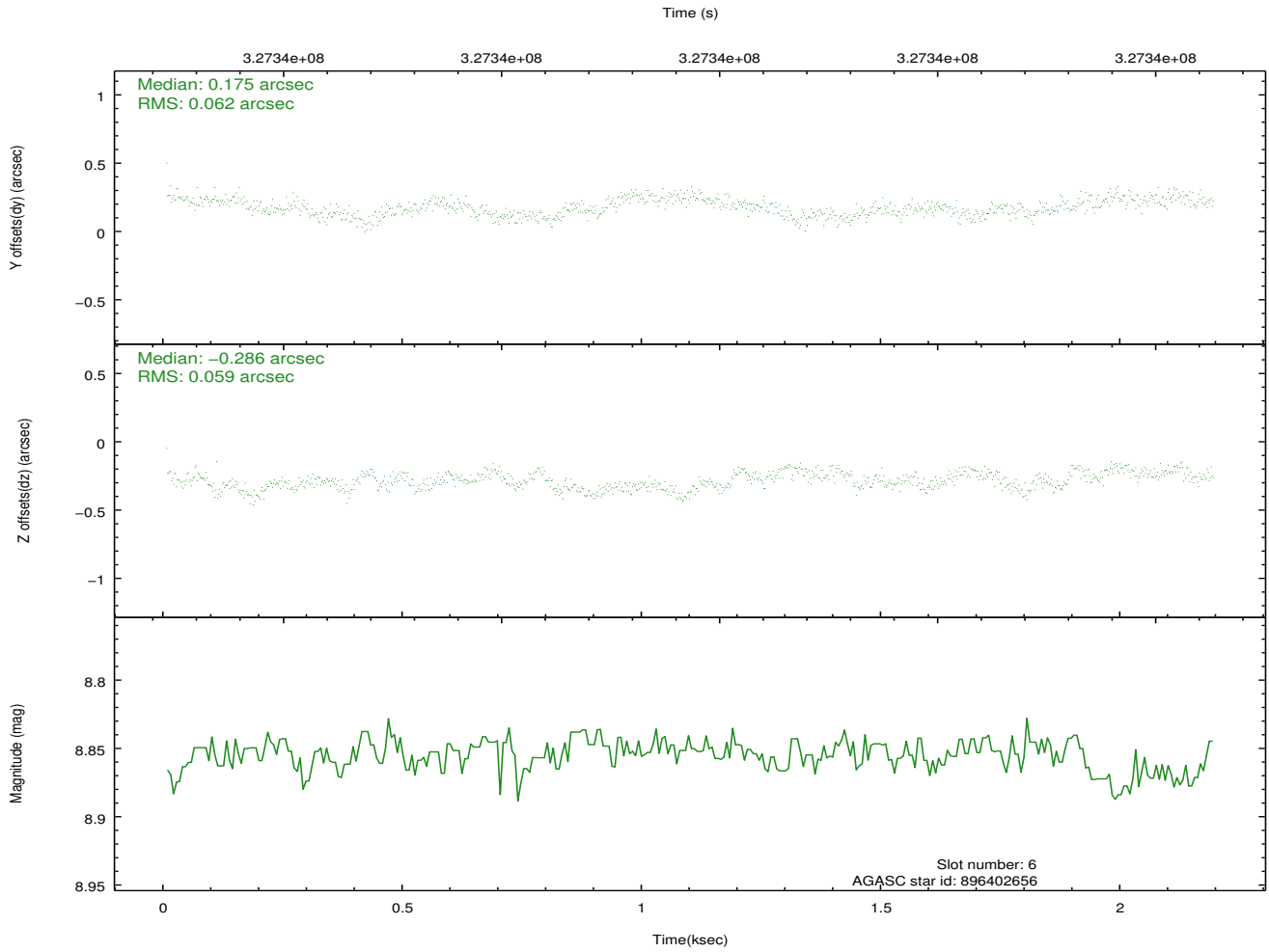
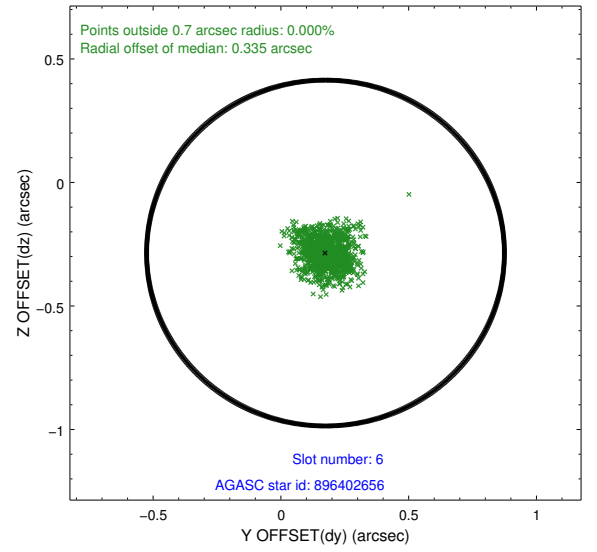
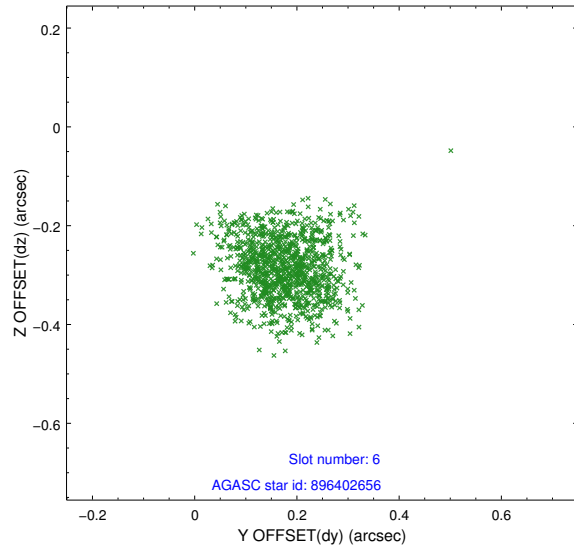
2.4.2 Slot 4



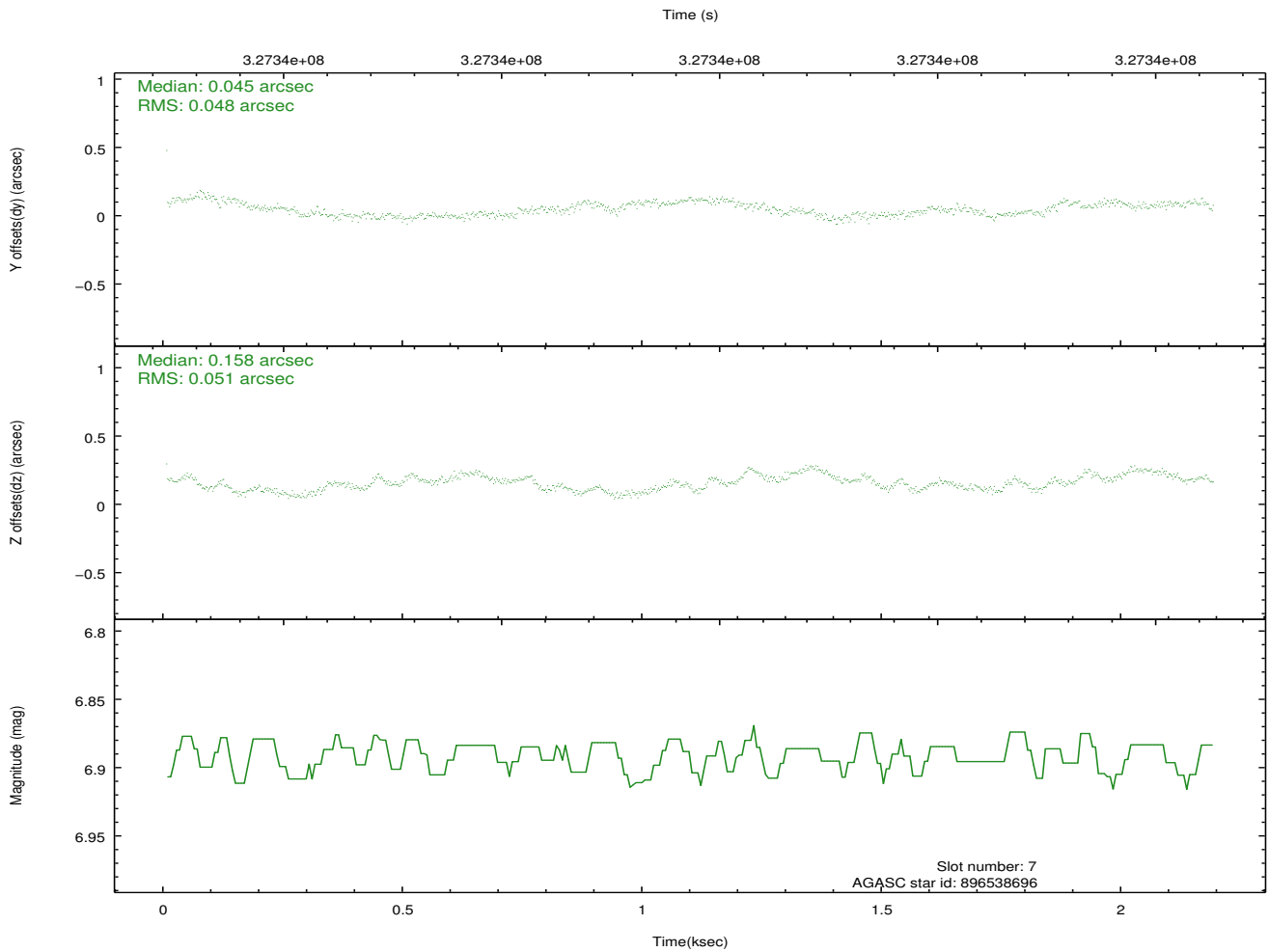
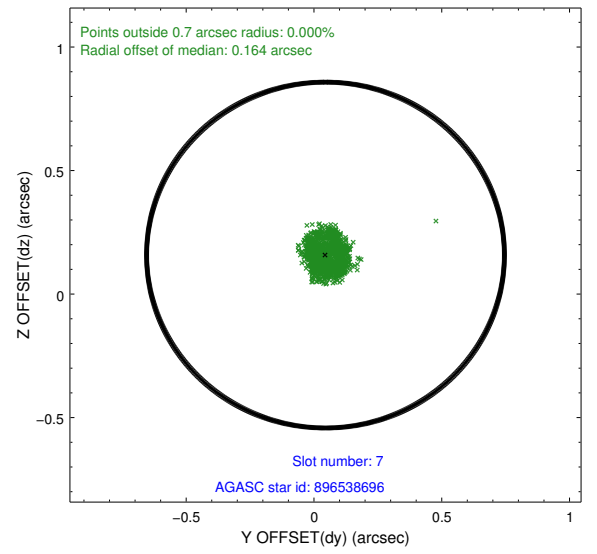
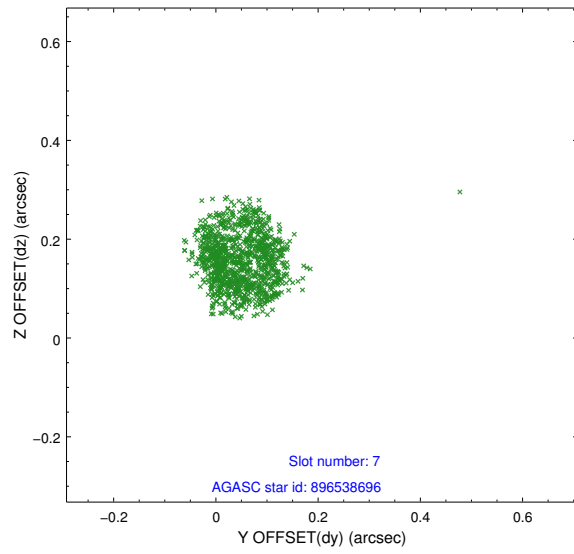
2.4.3 Slot 5



2.4.4 Slot 6

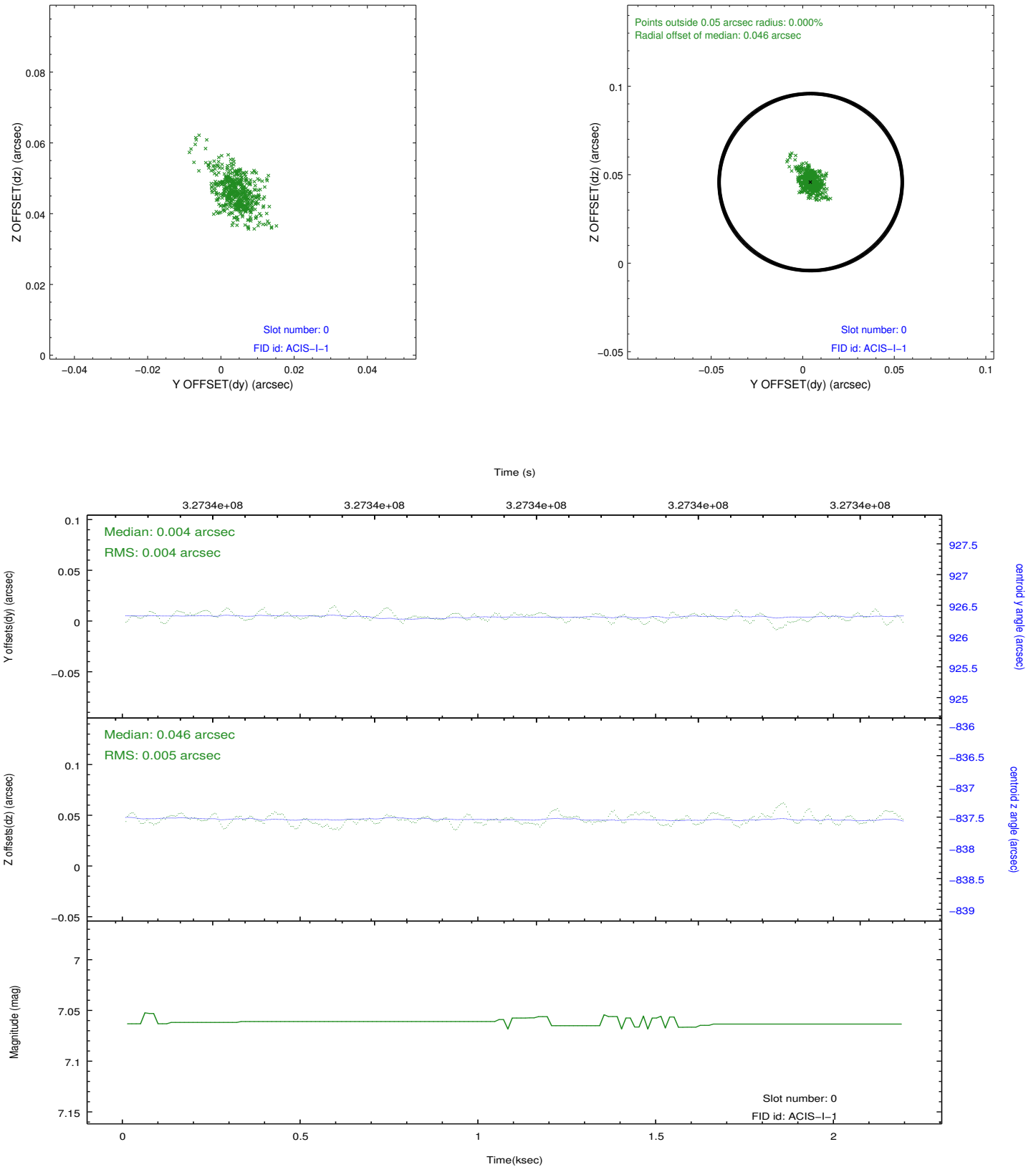


2.4.5 Slot 7

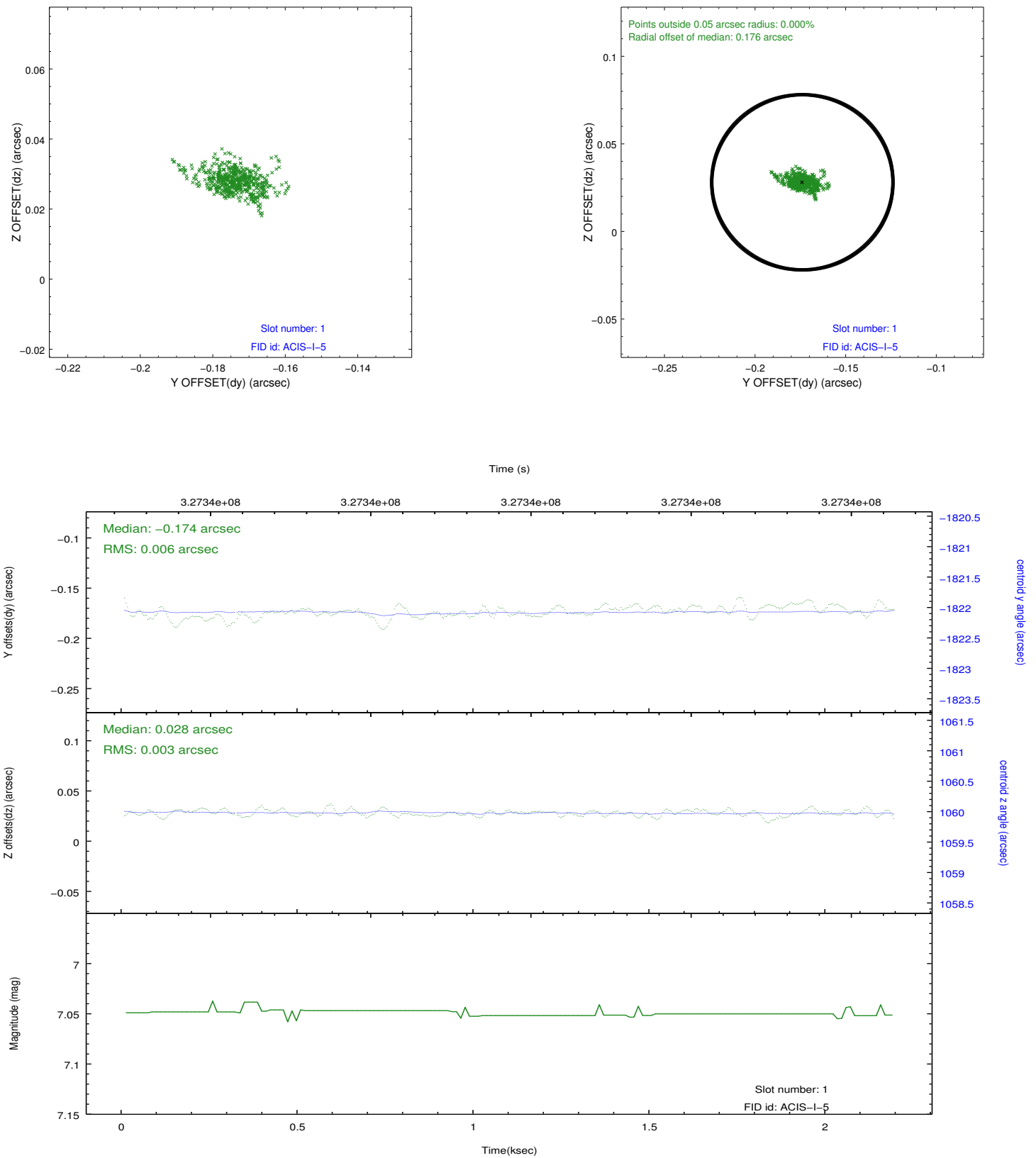


2.5 FID Slots

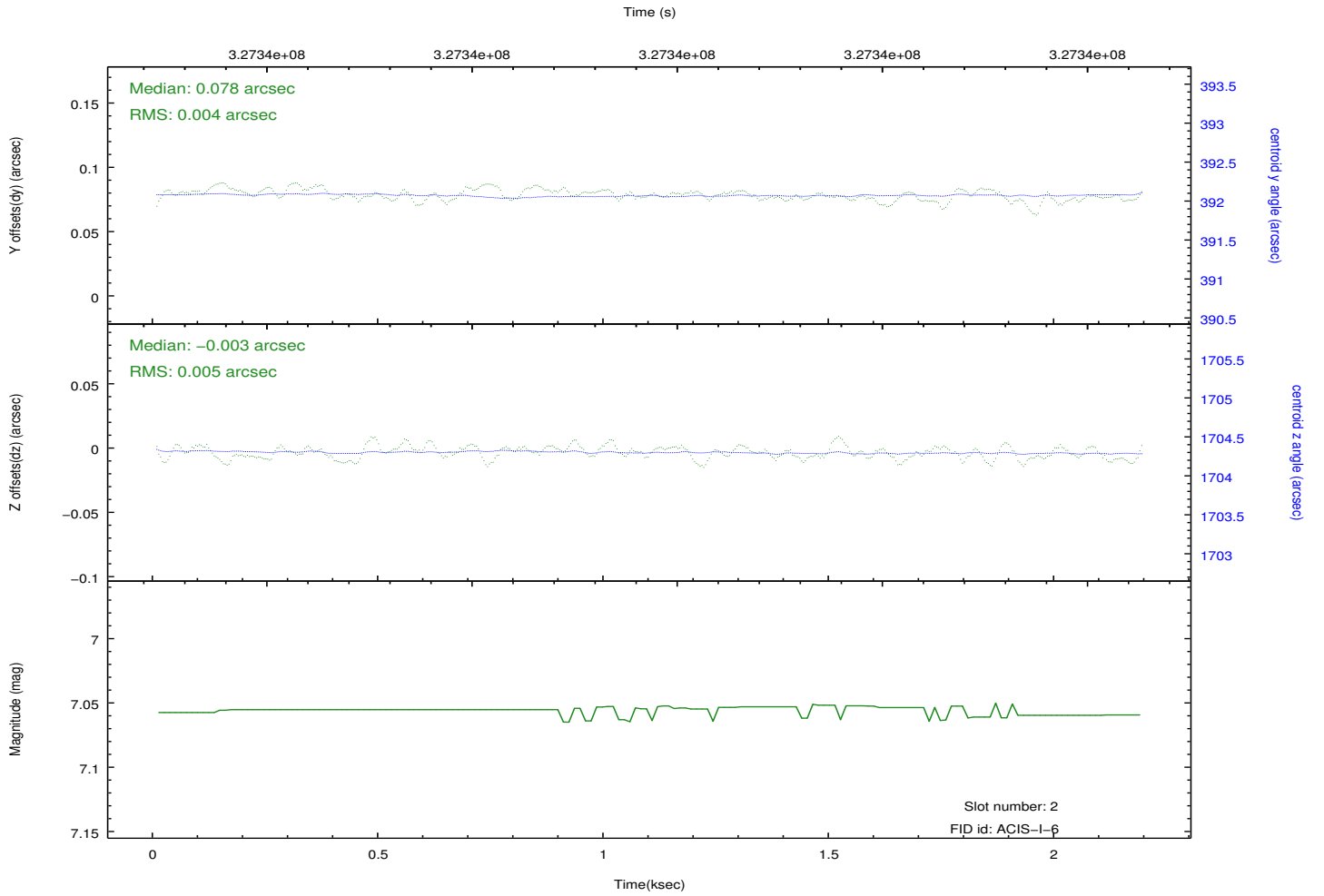
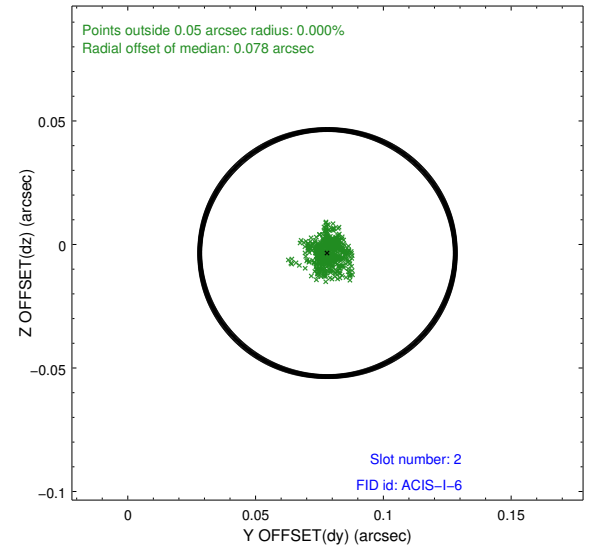
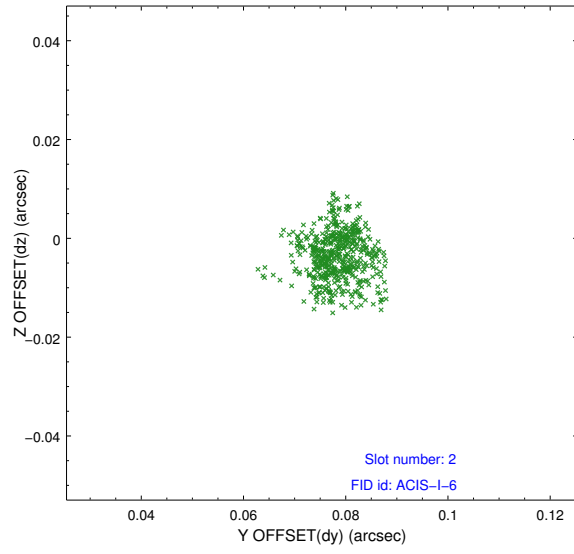
2.5.1 Slot 0



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)	2012.05.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.18550001

A.2 Comments