

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8643 - L2 Version 2
Chandra X-Ray Center

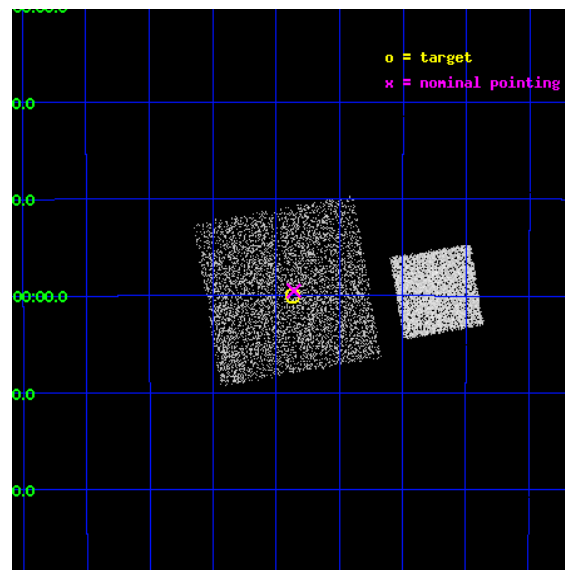
L2 Processing Date : May 14 2012

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1 Front

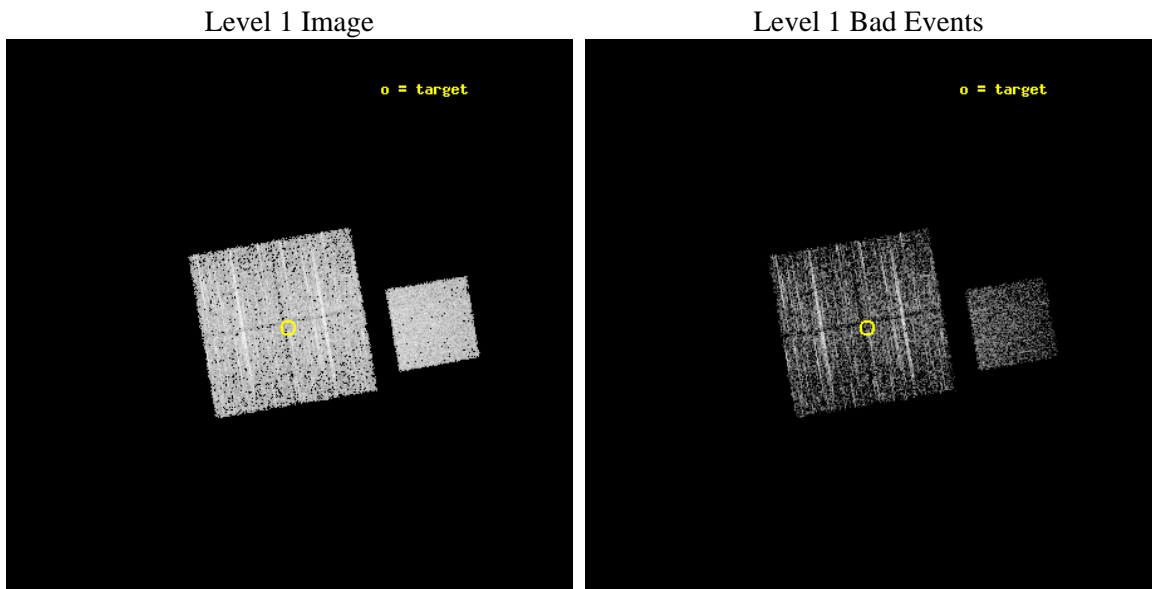
seq_num	400694	Sequence number
obs_id	8643	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	Prof Mariano Mendez	Principal investigator
object	GBSGTO1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	265.591242	Observer's specified target RA [deg]
dec_targ	-27.999587	Observer's specified target Dec [deg]
ra_nom	265.58995091911	Nominal RA [deg]
dec_nom	-27.99172352005	Nominal Dec [deg]
roll_nom	80.208099155593	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2179.3000167608	Sum of GTIs [s]
livetime	2150.8258576645	Livetime [s]
ontime0	2176.159006536	Sum of GTIs [s]
ontime1	2179.3000167608	Sum of GTIs [s]
ontime2	2179.3000167608	Sum of GTIs [s]
ontime3	2179.3000167608	Sum of GTIs [s]
ontime7	2179.3000167608	Sum of GTIs [s]
l2events	15412	Number of level 2 events



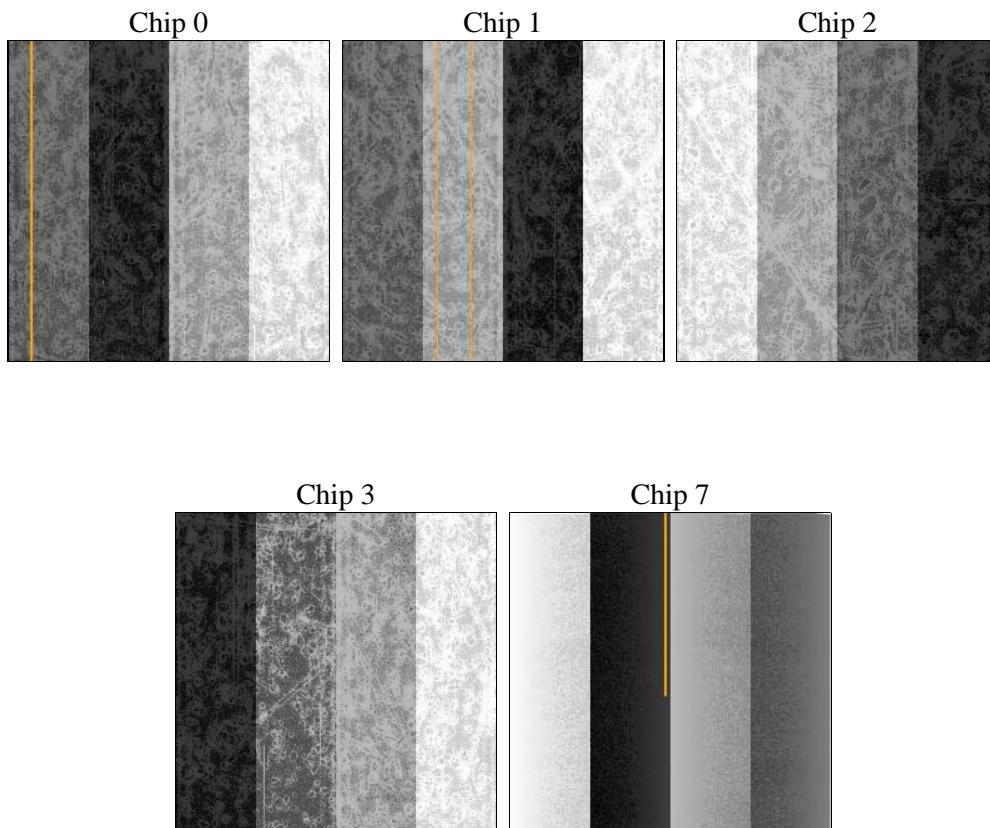
2 OBI

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	2179.3000167608	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	2176.159006536	Sum of GTIs [s]
date	2012-05-14T23:52:54	Date and time of file creation	ontime1	2179.3000167608	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2179.3000167608	Sum of GTIs [s]
			ontime3	2179.3000167608	Sum of GTIs [s]
			ontime7	2179.3000167608	Sum of GTIs [s]
			l1events	100836	Number of level 1 events

2.1.4 Events

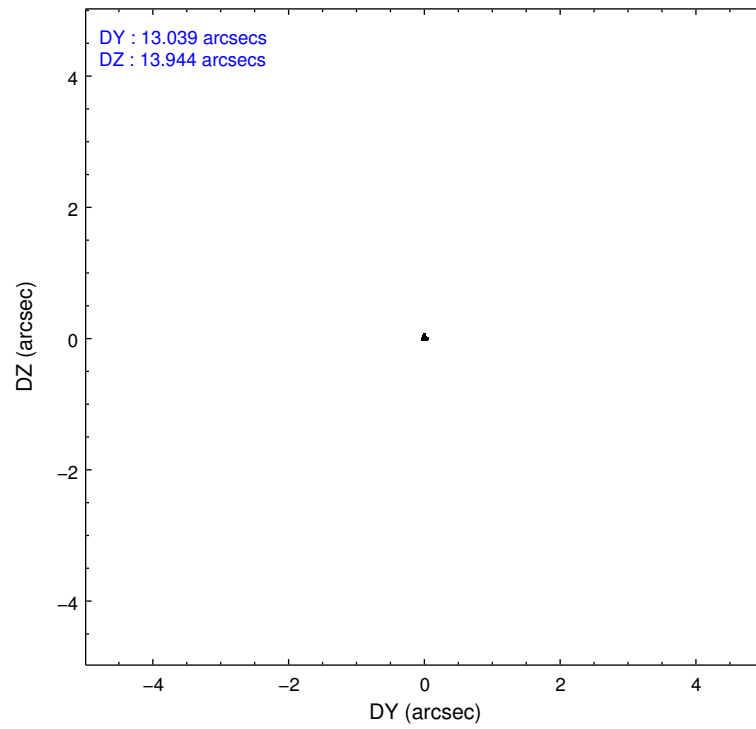
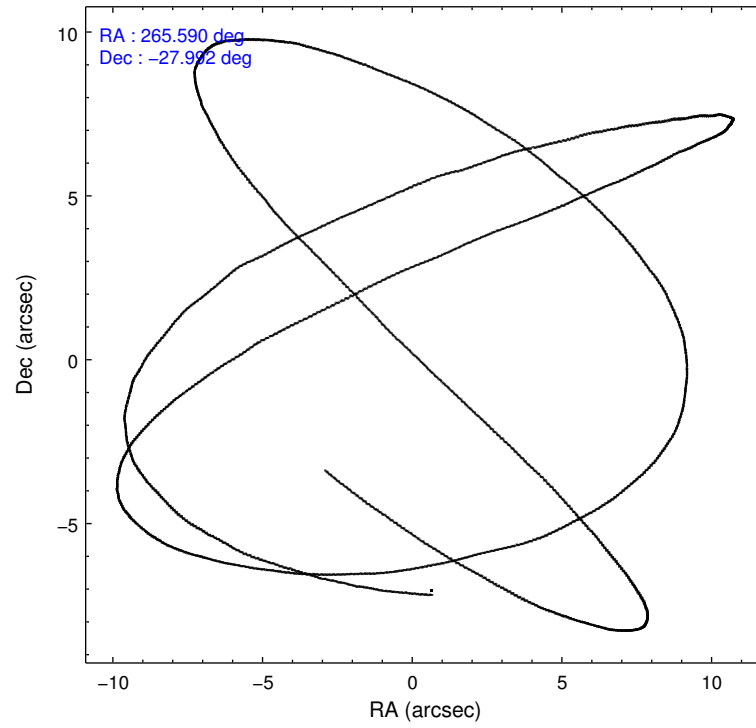
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	20107	18529	20093	19421	22686
rejected events	18168	16384	18135	17459	13731
rejected %	90%	88%	90%	89%	60%

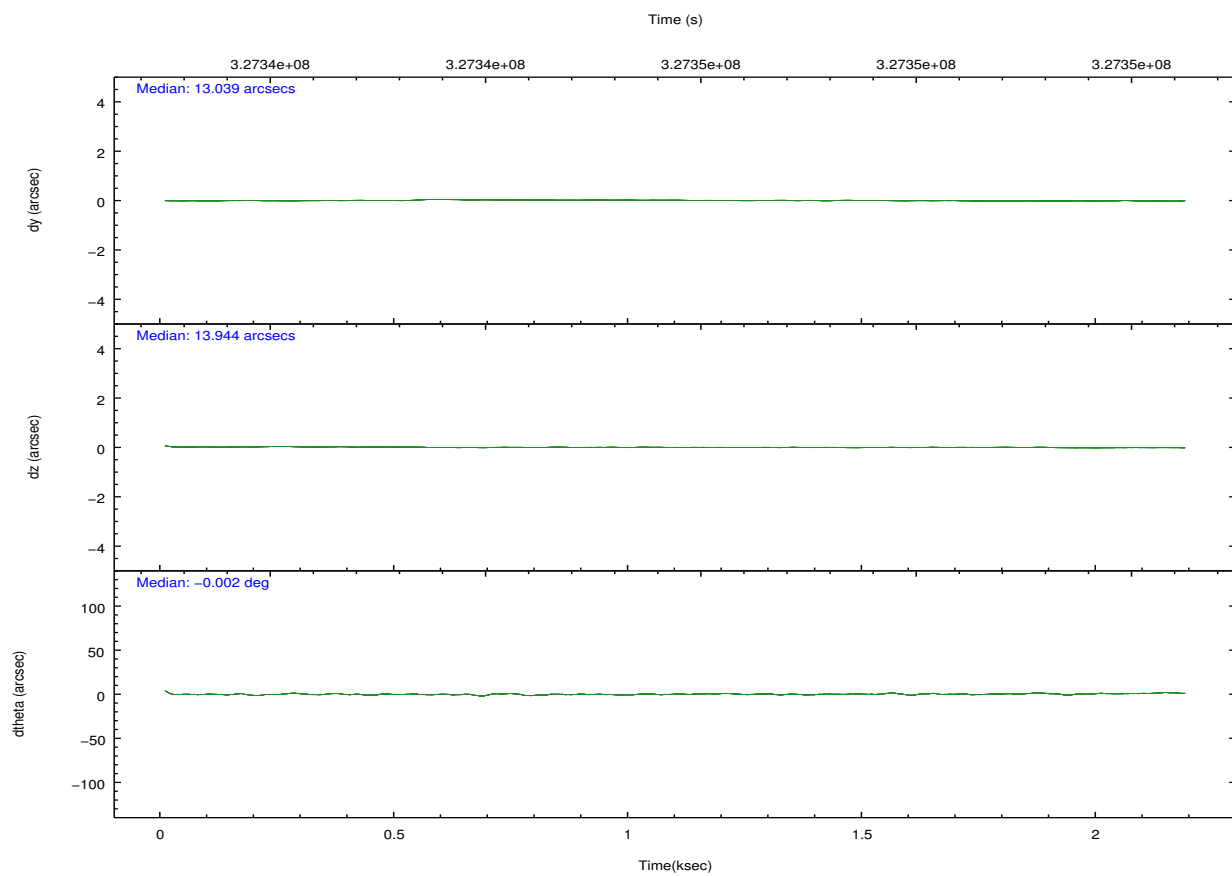
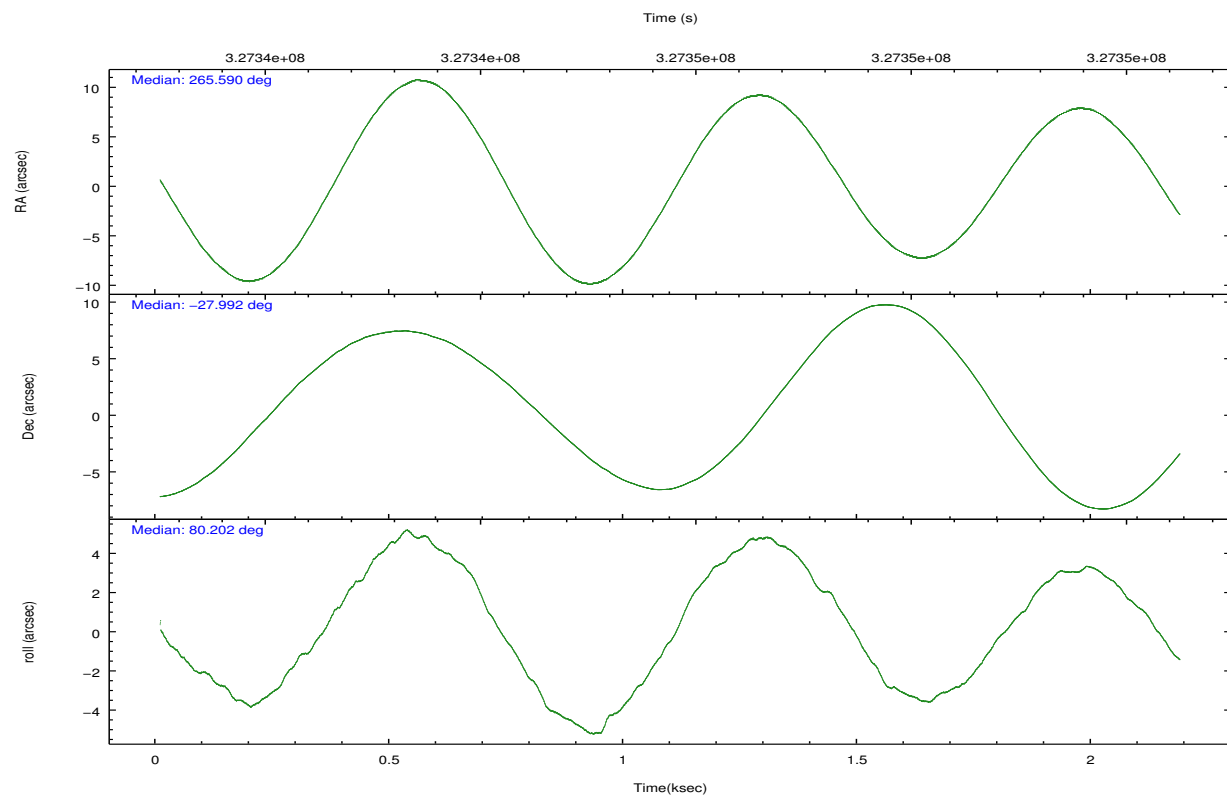
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	913	1050	926	903	986
	4%	5%	4%	4%	4%
grade 1 events	12	8	14	13	32
	0%	0%	0%	0%	0%
grade 2 events	458	528	509	472	2107
	2%	2%	2%	2%	9%
grade 3 events	226	230	207	220	935
	1%	1%	1%	1%	4%
grade 4 events	236	230	221	217	951
	1%	1%	1%	1%	4%
grade 5 events	687	807	630	846	2470
	3%	4%	3%	4%	10%
grade 6 events	403	442	383	430	5357
	2%	2%	1%	2%	23%
grade 7 events	17172	15234	17203	16320	9848
	85%	82%	85%	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	265.600919	265.5899509191063	CCD I2 on	Y	Y
[deg] Pointing Dec	-28.017341	-27.99172352005005	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004547	80.20809915559263	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)	327344543.184000	327344167.30191	CCD S5 on	N	N
Observation start date	2008-05-16T17:01:18	2008-05-16T16:56:07	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327346543.184000	327346677.52703	On-chip summing requested	N	N
Observation end date	2008-05-16T17:34:38	2008-05-16T17:37:57	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



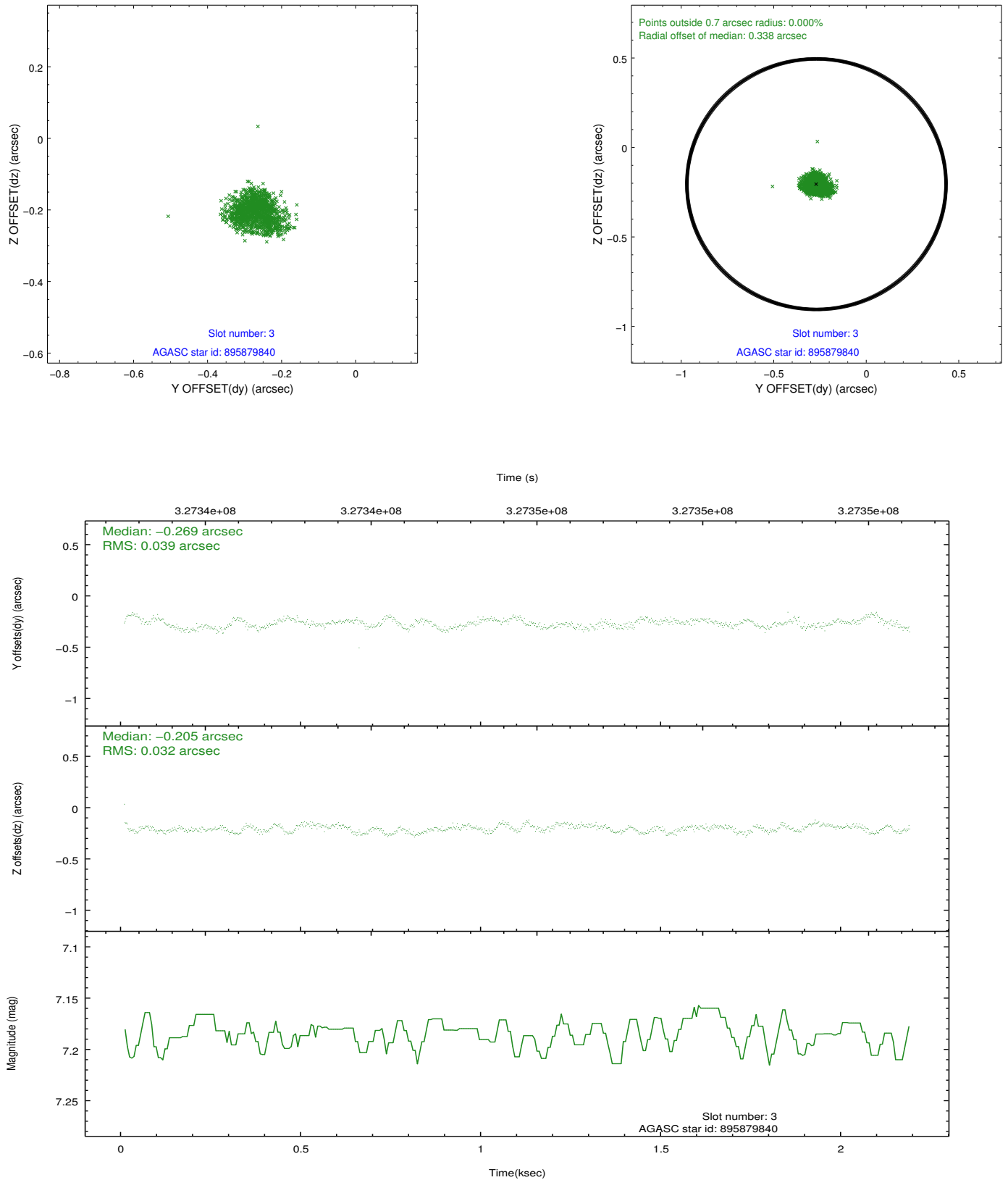


Slot Statistics

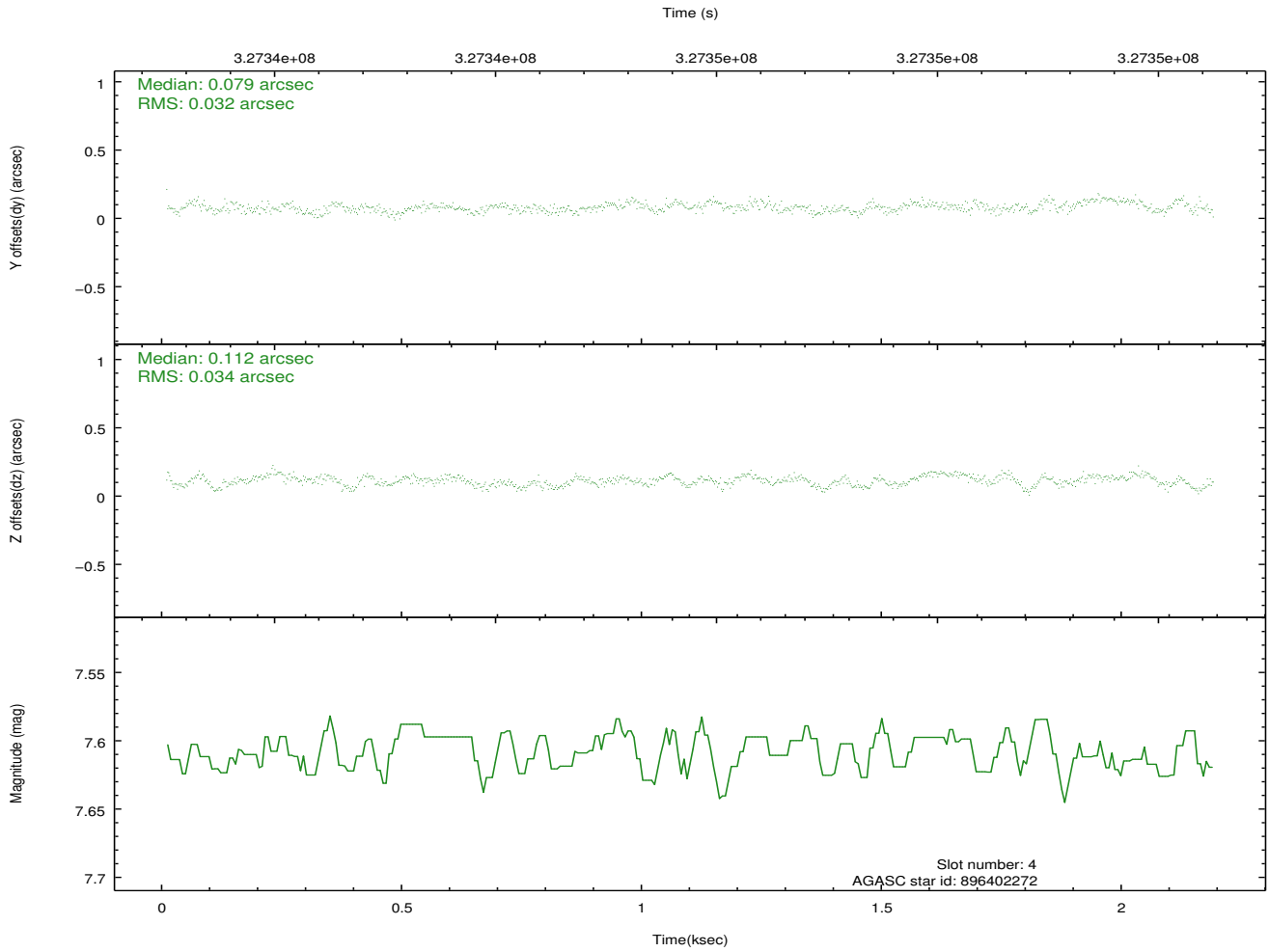
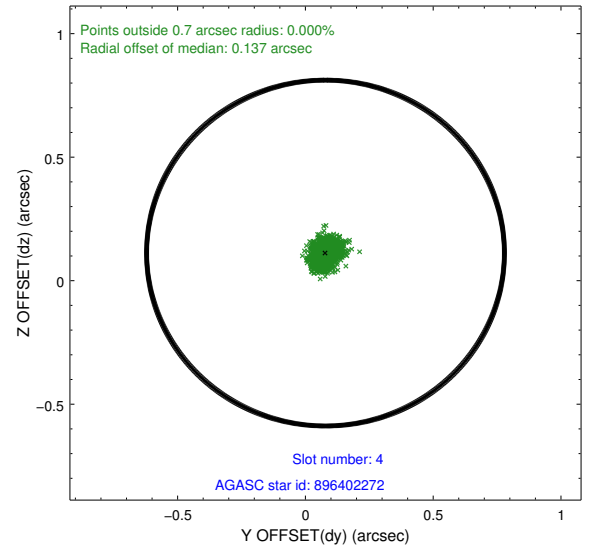
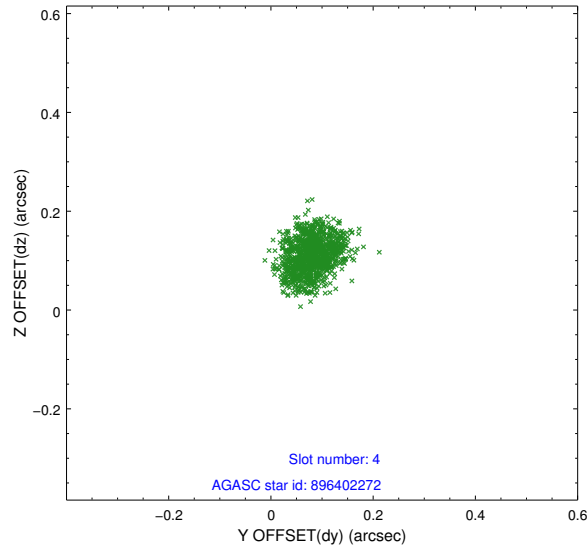
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.06	532	-0.033	0.050	0.010	0.017	0.000000	0.000000	926.45	-837.46
1	FID	ACIS-I-4	6.99	531	0.158	0.005	0.008	0.015	0.000000	0.000000	2148.33	1060.80
2	FID	ACIS-I-5	7.04	532	-0.223	0.016	0.008	0.015	0.000000	0.000000	-1817.91	1062.04
3	GUIDE	895879840	7.18	1065	-0.269	-0.205	0.053	0.083	265.218397	-27.395778	1989.73	1592.35
4	GUIDE	896402272	7.61	1065	0.079	0.112	0.052	0.078	265.637294	-28.313189	-1026.21	-296.90
5	GUIDE	896404568	7.85	1065	0.101	0.102	0.056	0.091	265.687293	-28.431080	-1419.60	-528.17
6	GUIDE	896538696	6.90	1065	0.008	0.275	0.044	0.068	266.298470	-28.325572	-715.77	-2370.96
7	GUIDE	896405616	7.86	1064	0.079	-0.281	0.066	0.108	264.752771	-28.412560	-1877.52	2394.04

2.4 Star Slots

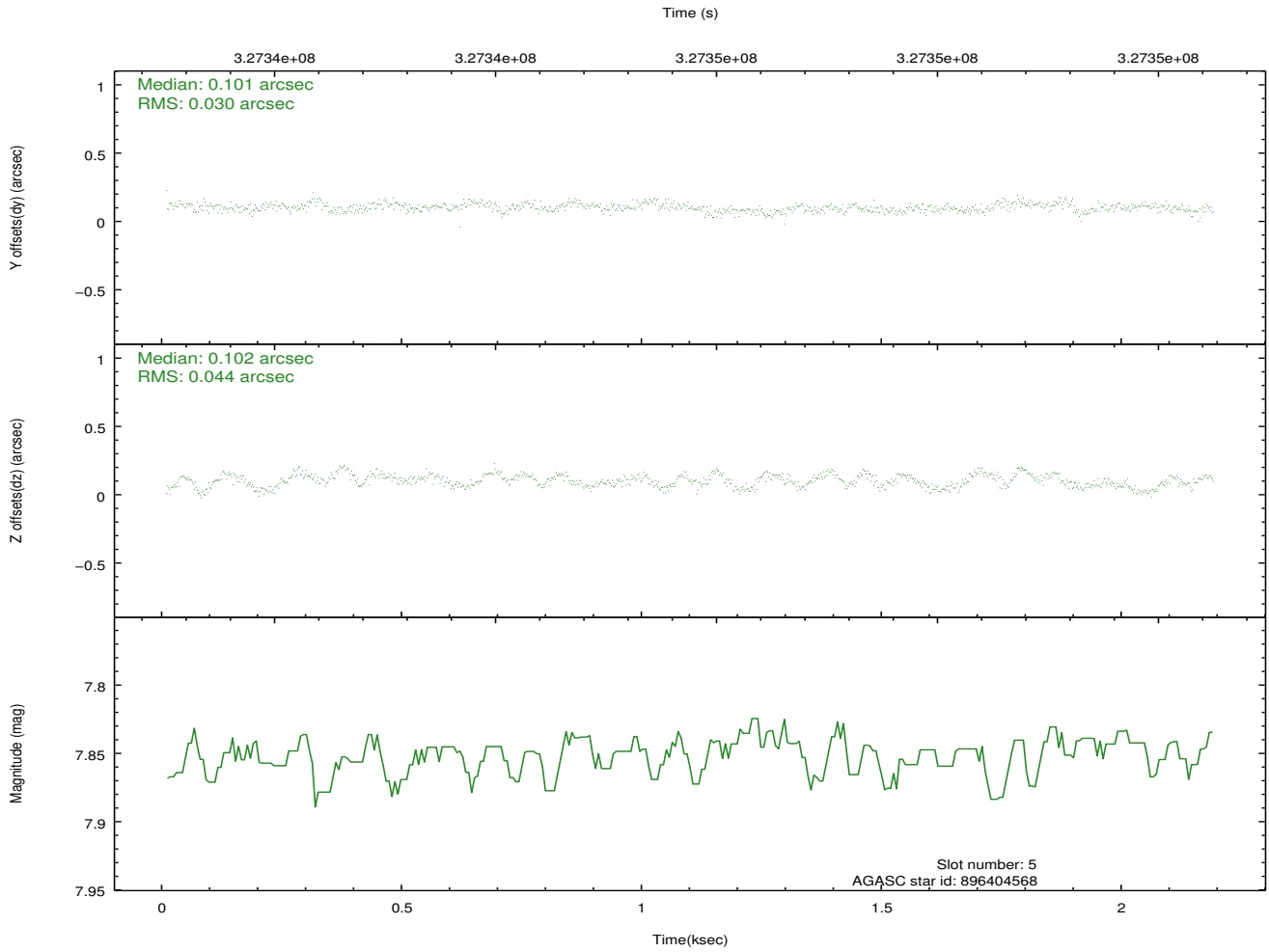
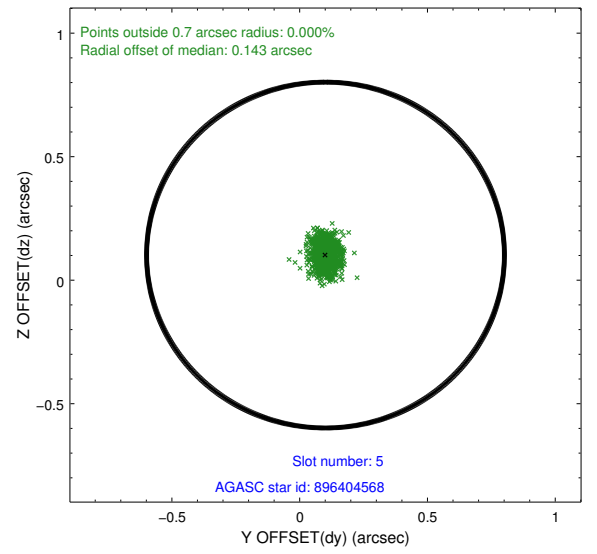
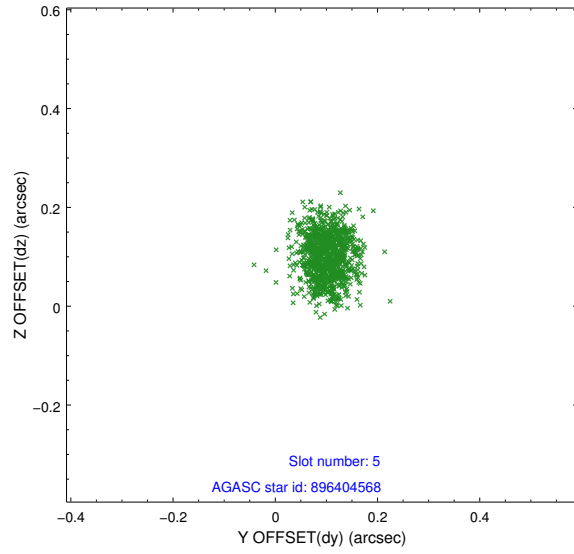
2.4.1 Slot 3



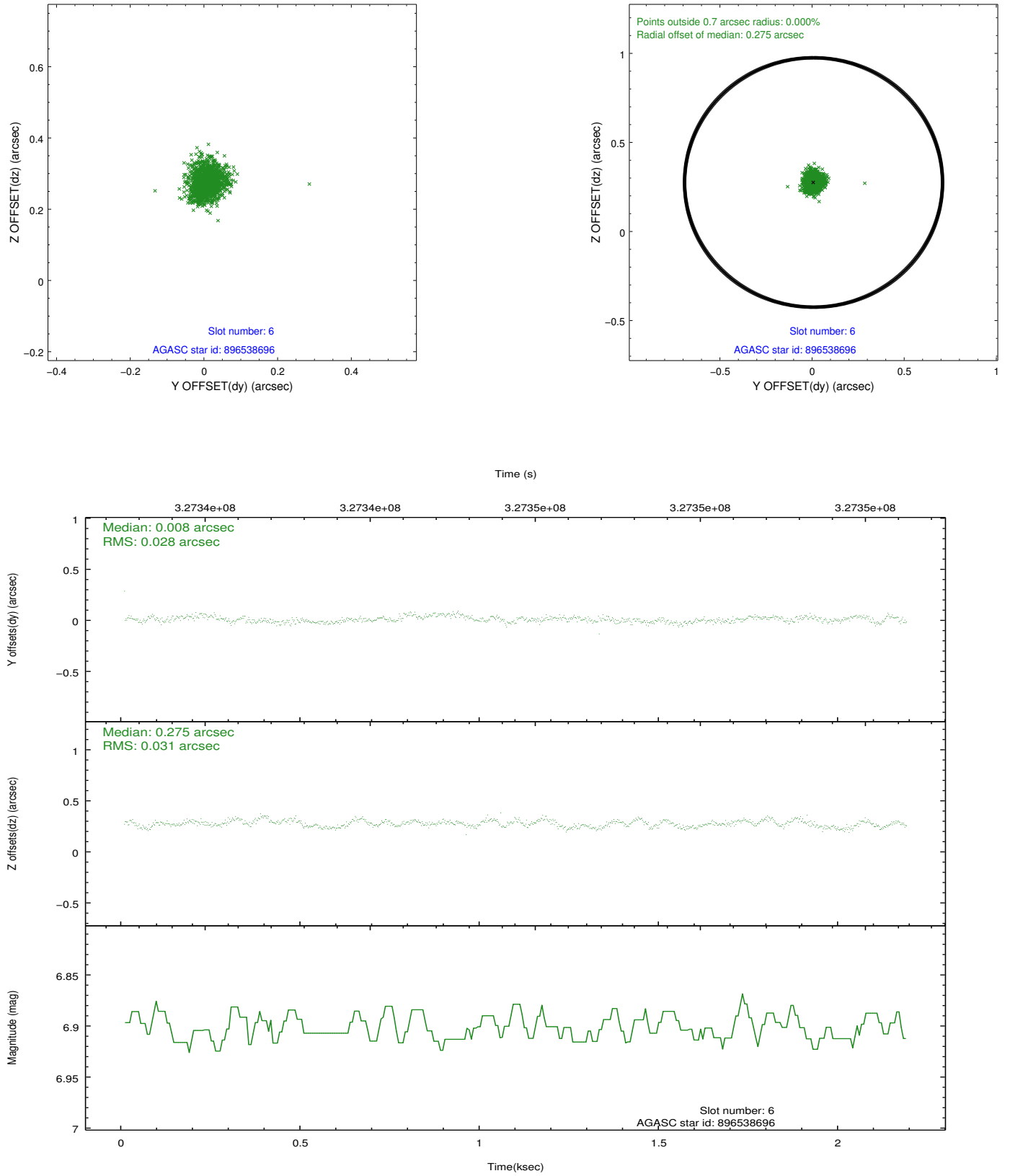
2.4.2 Slot 4



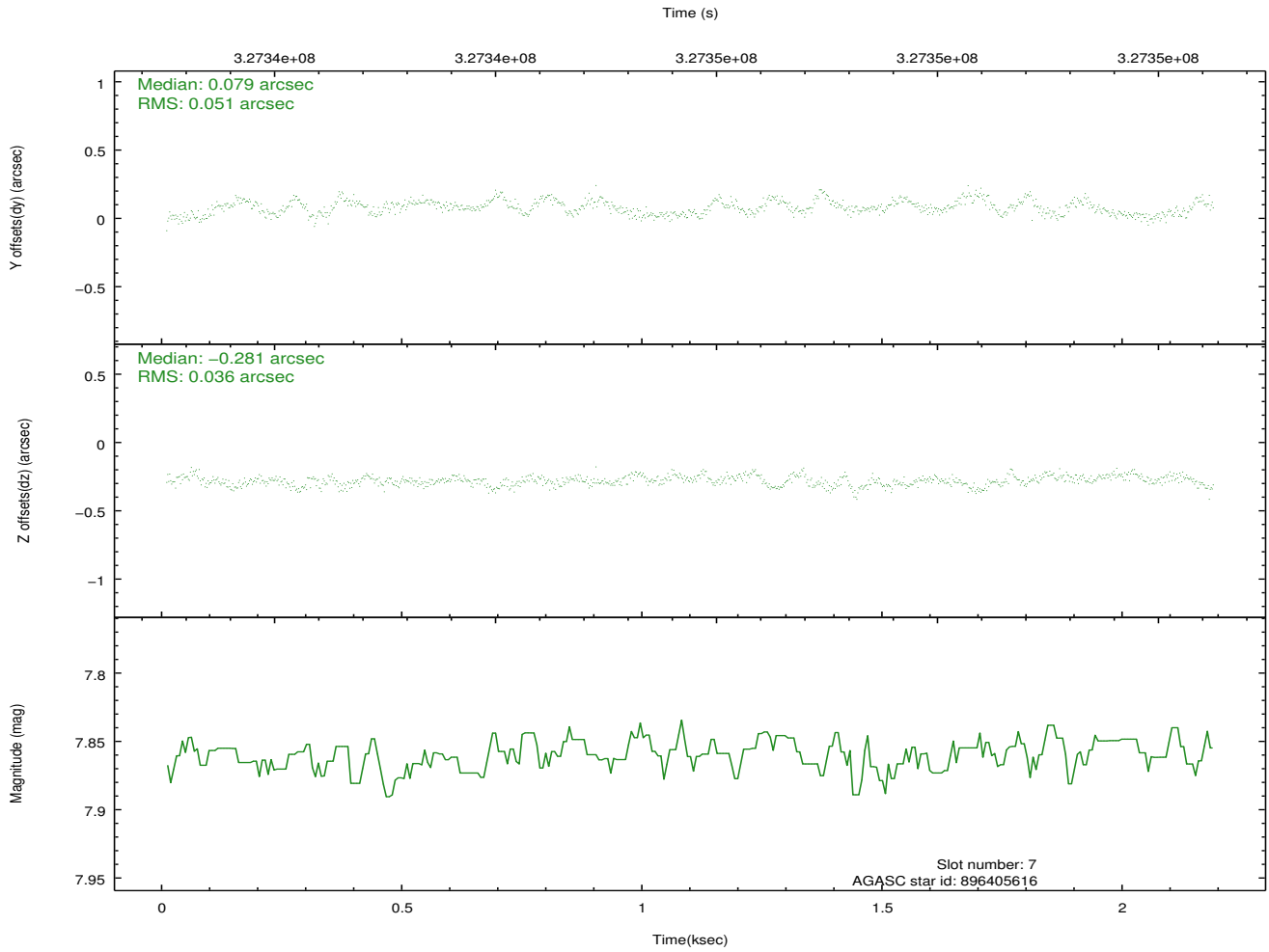
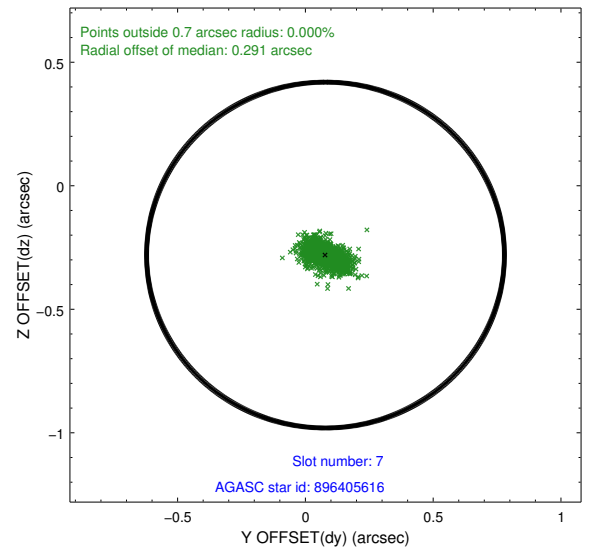
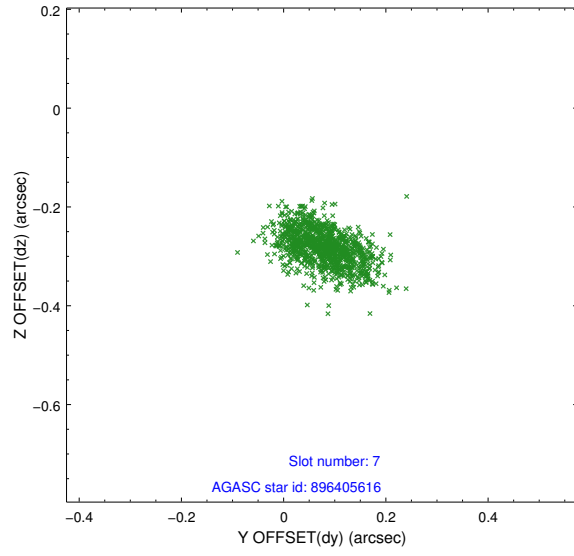
2.4.3 Slot 5



2.4.4 Slot 6

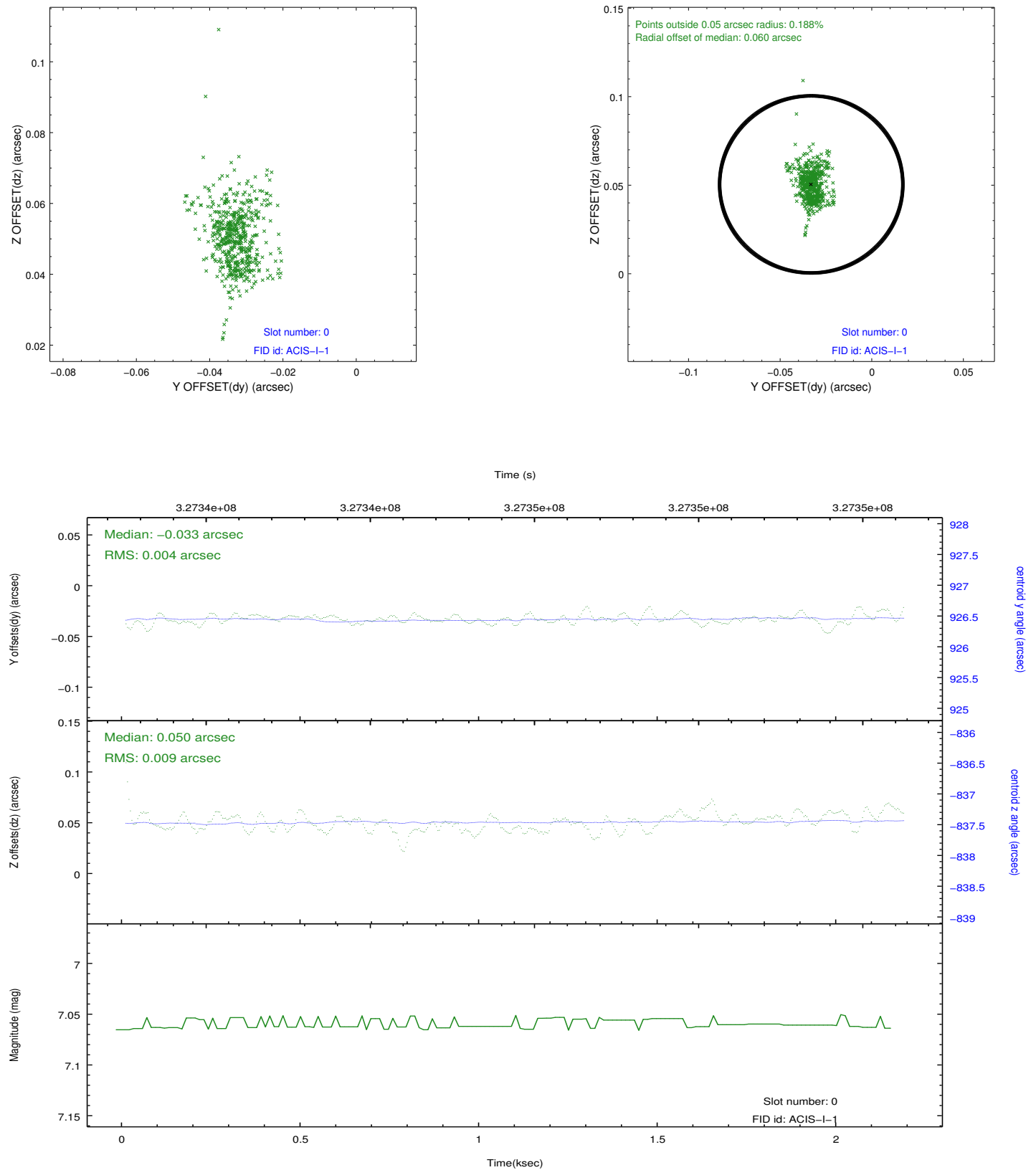


2.4.5 Slot 7

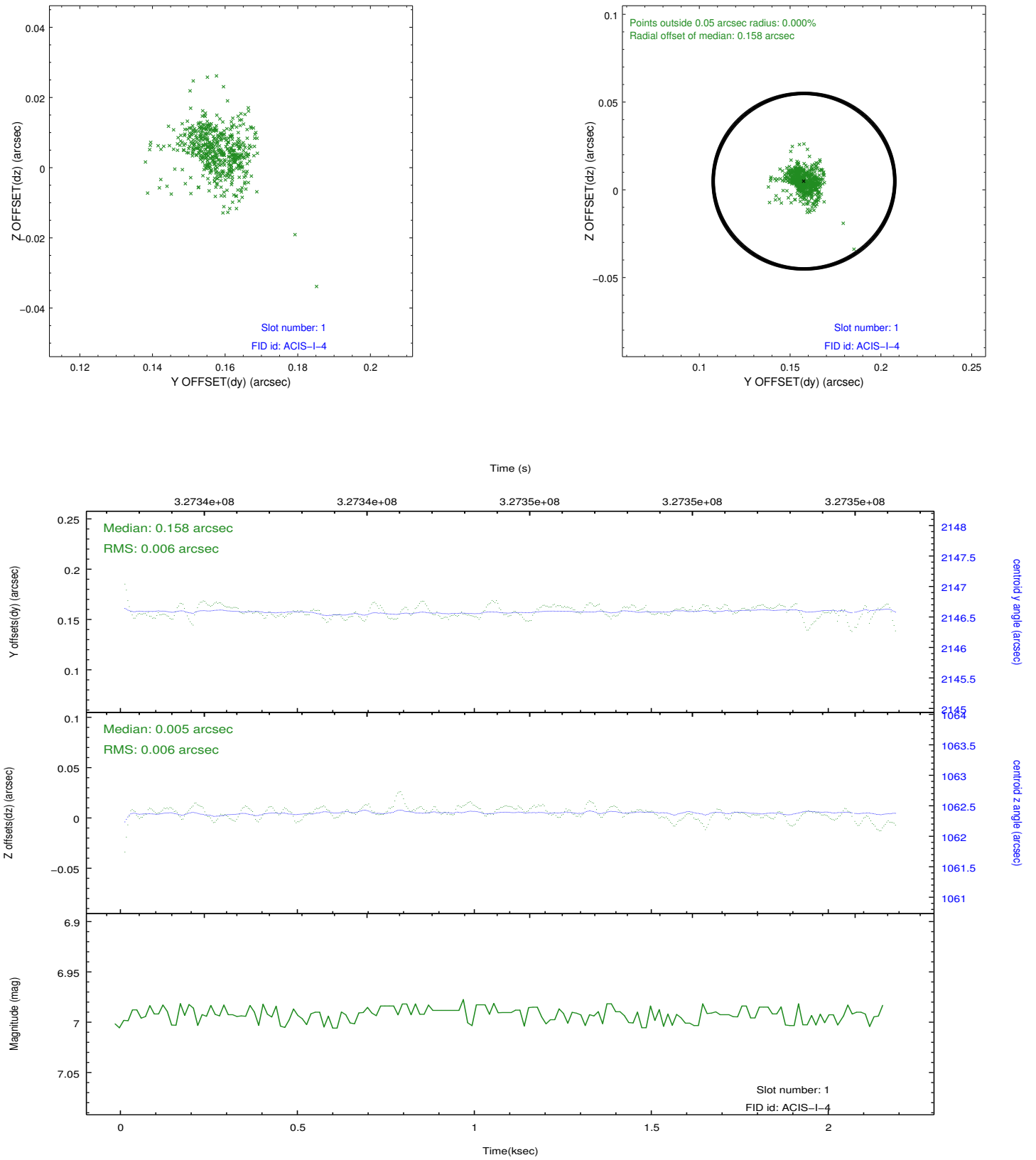


2.5 FID Slots

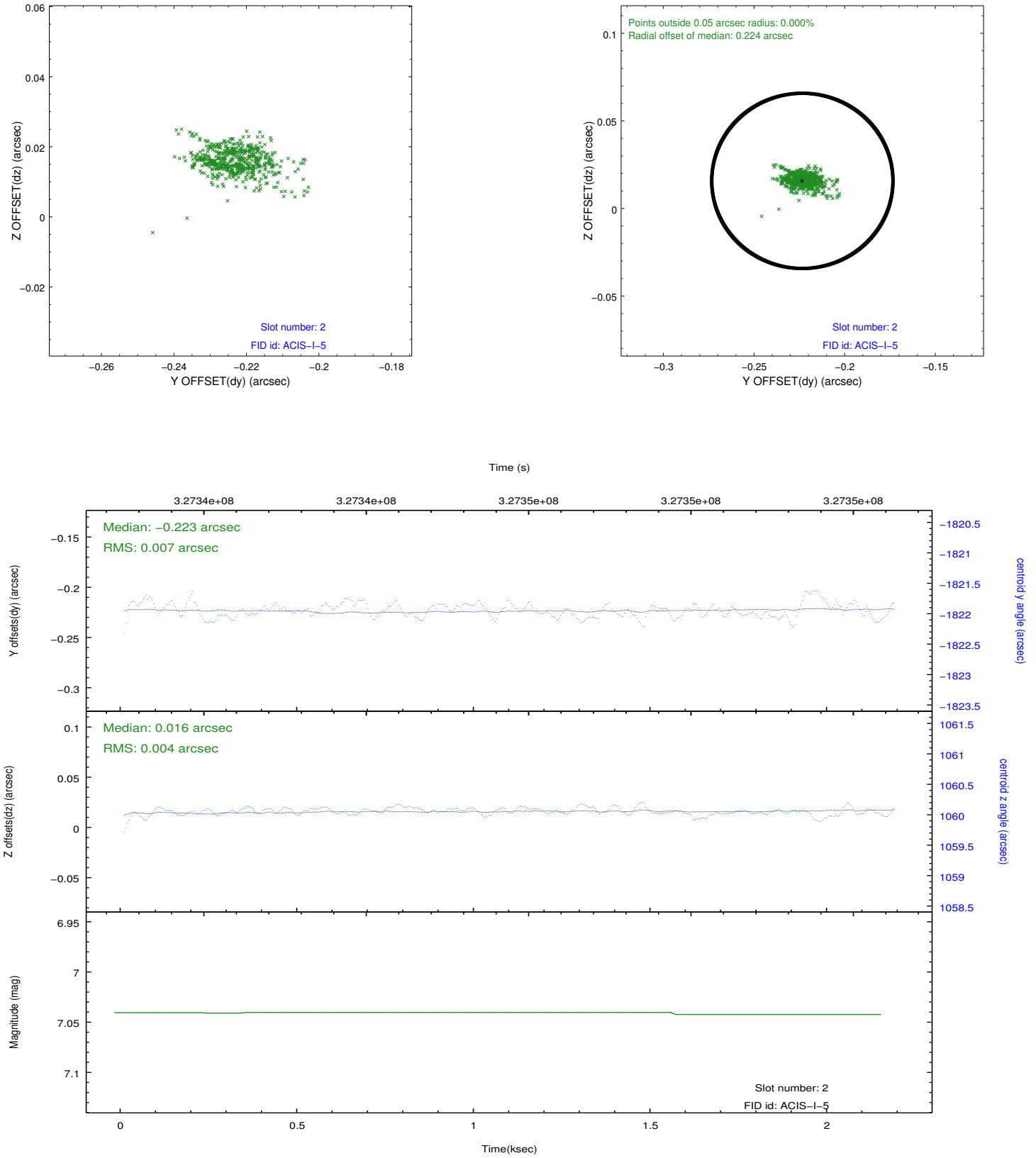
2.5.1 Slot 0



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	2.17930001

A.2 Comments