

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8655 - L2 Version 2
Chandra X-Ray Center

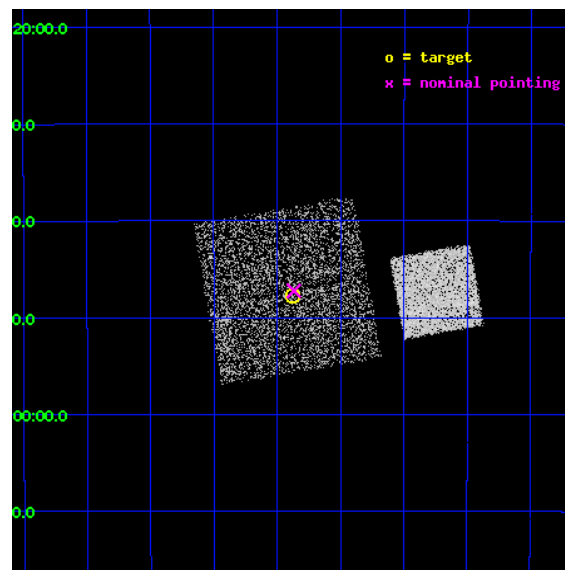
L2 Processing Date : May 14 2012

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1 Front

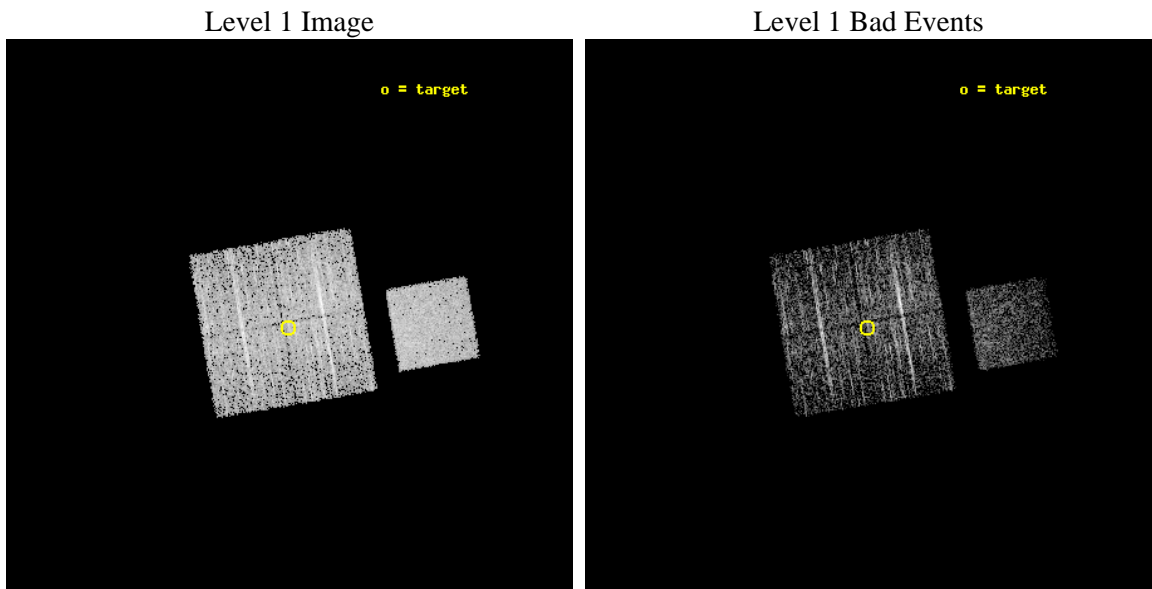
seq_num	400706	Sequence number
obs_id	8655	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	Prof Mariano Mendez	Principal investigator
object	GBSGTO2	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	265.468311	Observer's specified target RA [deg]
dec_targ	-27.795323	Observer's specified target Dec [deg]
ra_nom	265.46698969234	Nominal RA [deg]
dec_nom	-27.787445543184	Nominal Dec [deg]
roll_nom	80.208089924982	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	2182.4000167847	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	15765	Number of level 2 events



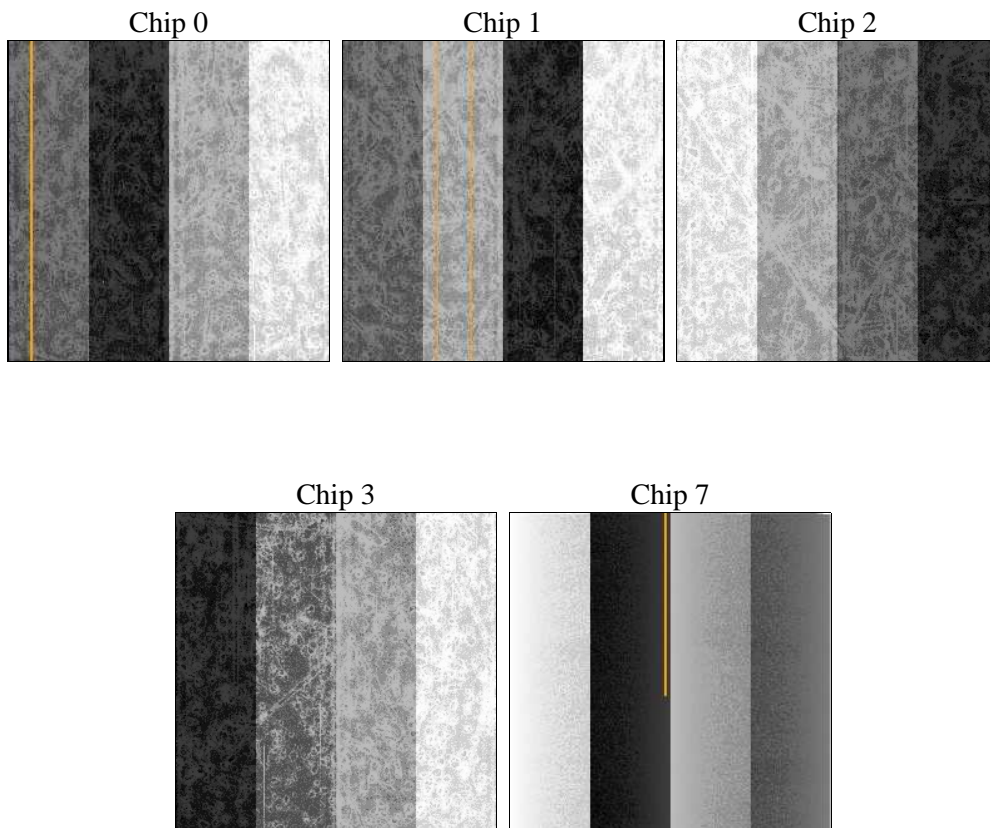
2 OBI

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	2012-05-15T00:13:38	Date and time of file creation	ontime1	2182.4000167847	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	100937	Number of level 1 events

2.1.4 Events

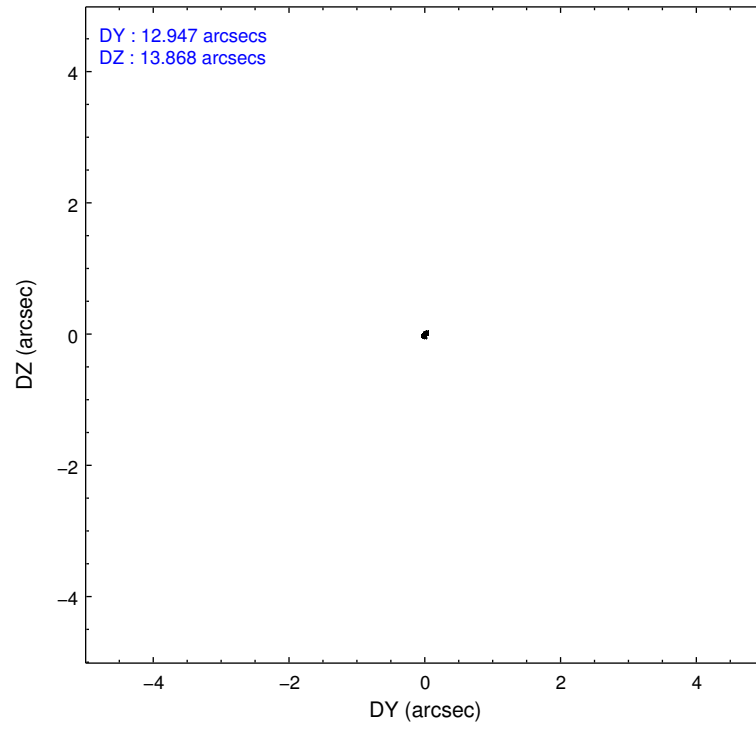
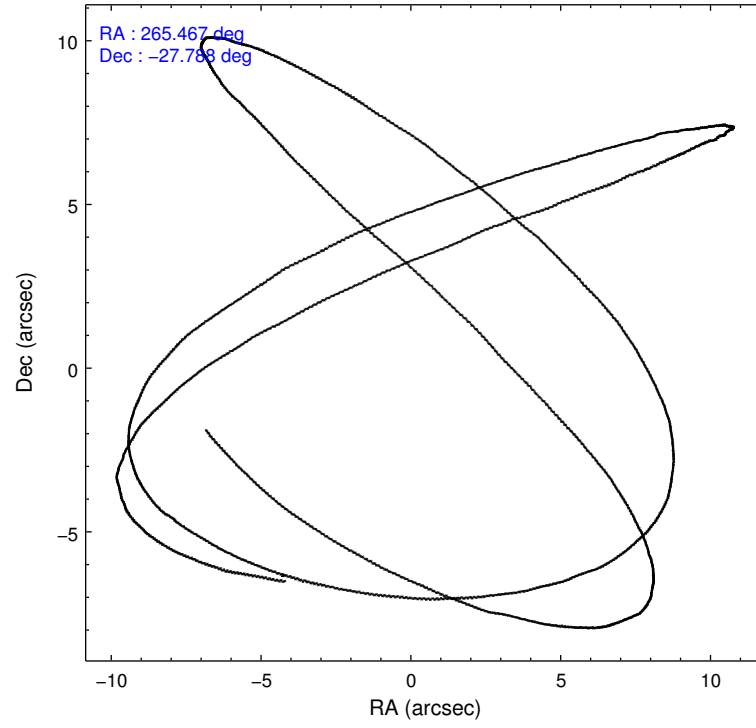
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	18541	18036	22015	19316	23029
rejected events	16486	15873	20078	17451	13752
rejected %	88%	88%	91%	90%	59%

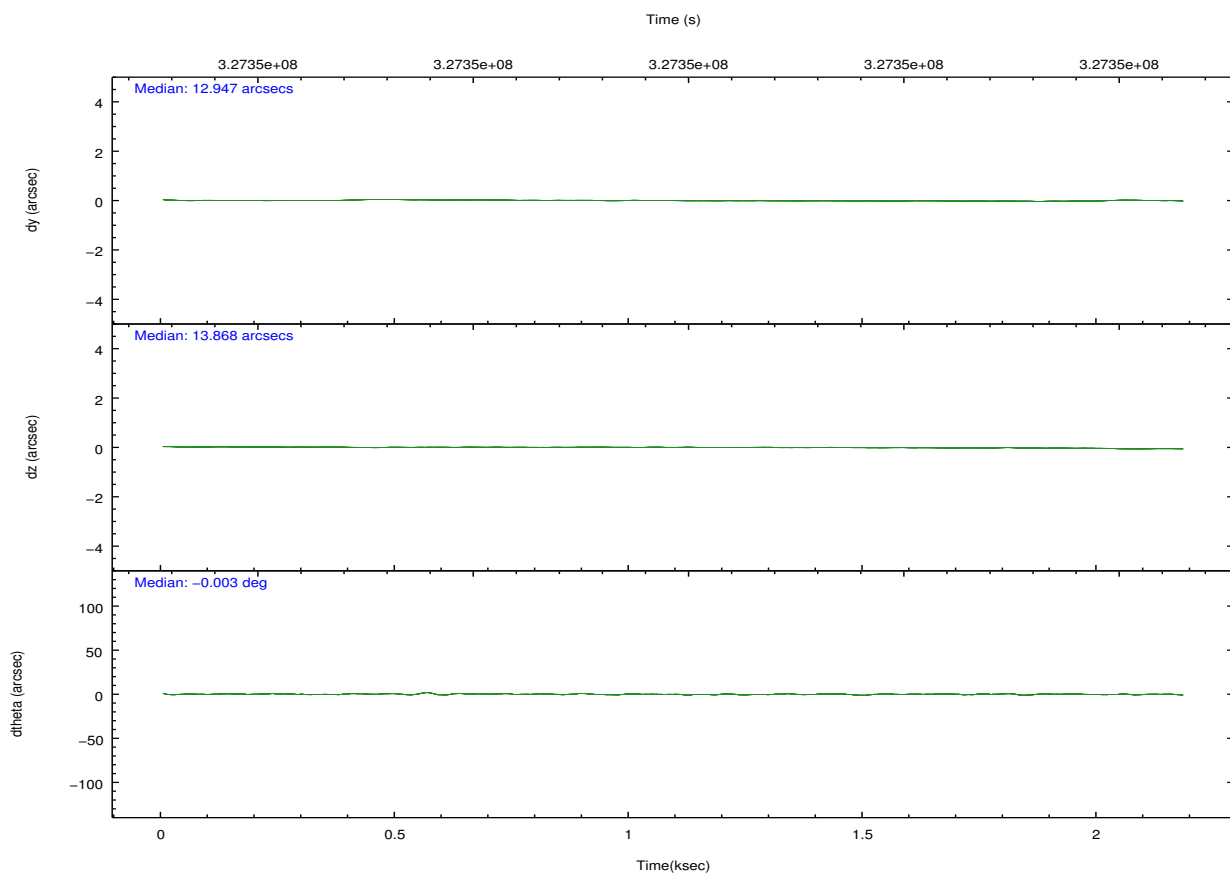
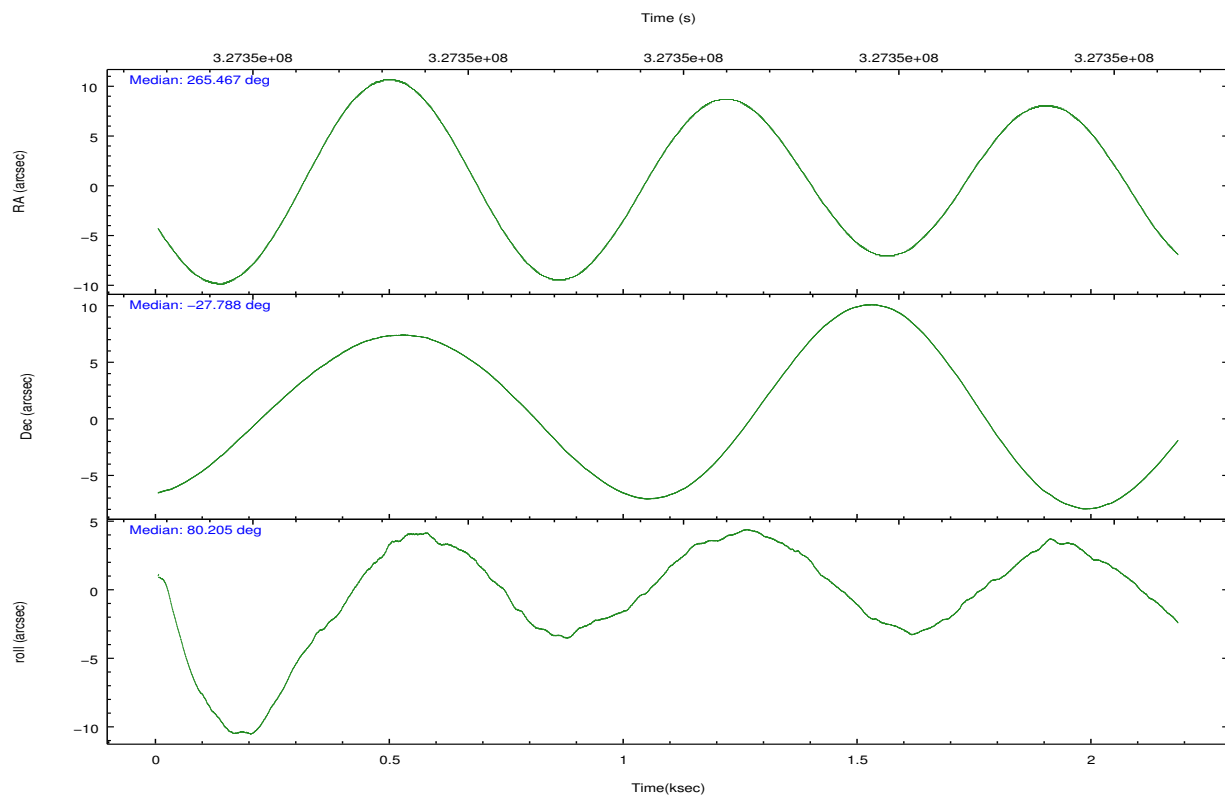
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	959	1046	919	923	1036
	5%	5%	4%	4%	4%
grade 1 events	9	18	14	9	26
	0%	0%	0%	0%	0%
grade 2 events	511	539	511	423	2176
	2%	2%	2%	2%	9%
grade 3 events	273	268	240	213	964
	1%	1%	1%	1%	4%
grade 4 events	229	232	209	221	941
	1%	1%	0%	1%	4%
grade 5 events	706	796	628	843	2374
	3%	4%	2%	4%	10%
grade 6 events	437	423	355	385	5529
	2%	2%	1%	1%	24%
grade 7 events	15417	14714	19139	16299	9983
	83%	81%	86%	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	265.477977	265.4669896923378	CCD I2 on	Y	Y
[deg] Pointing Dec	-27.813070	-27.78744554318394	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004507	80.20808992498222	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)	327349563.184000	327349187.23965	CCD S5 on	N	N
Observation start date	2008-05-16T18:24:58	2008-05-16T18:19:47	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327351563.184000	327351696.95227	On-chip summing requested	N	N
Observation end date	2008-05-16T18:58:18	2008-05-16T19:01:36	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



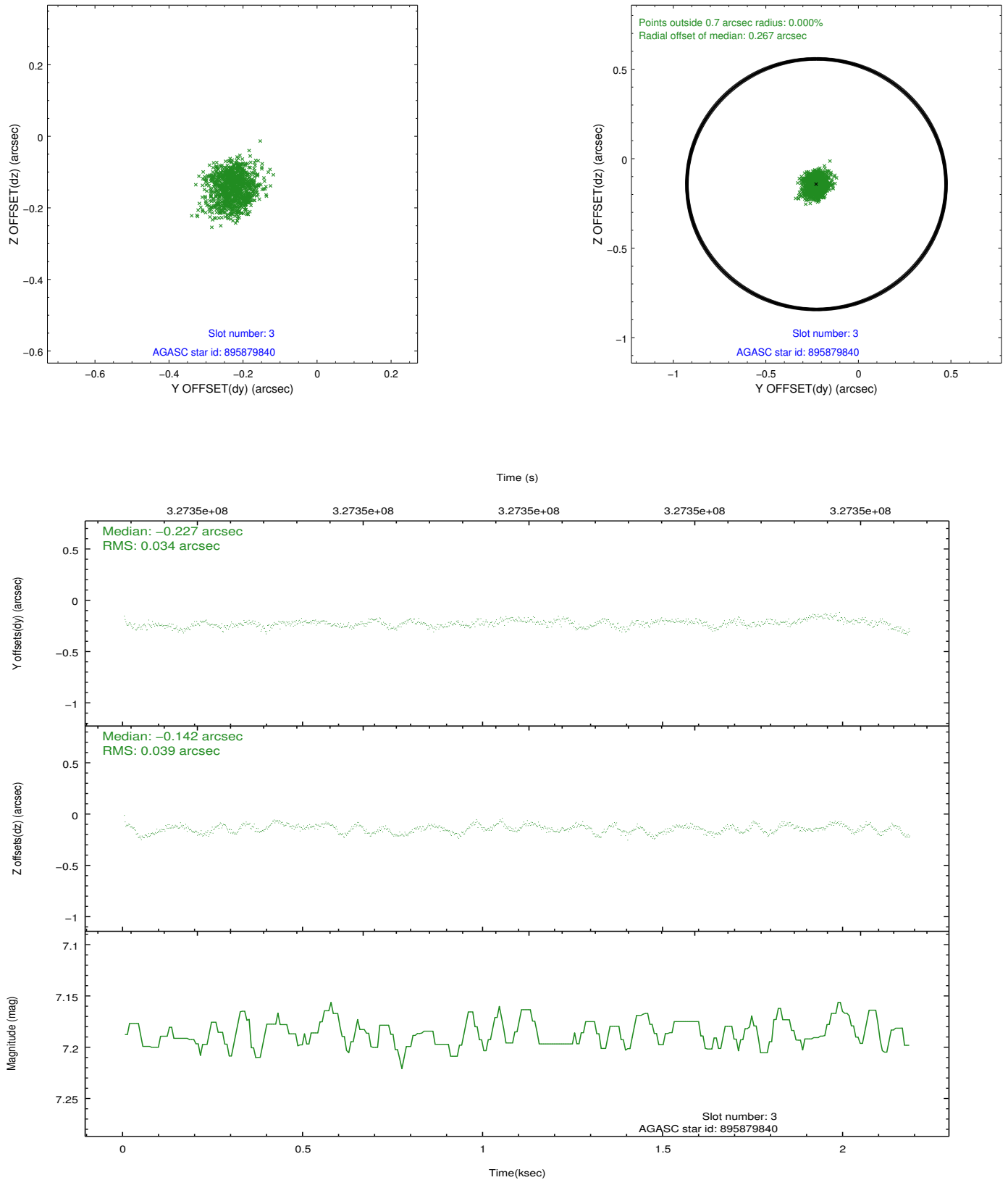


Slot Statistics

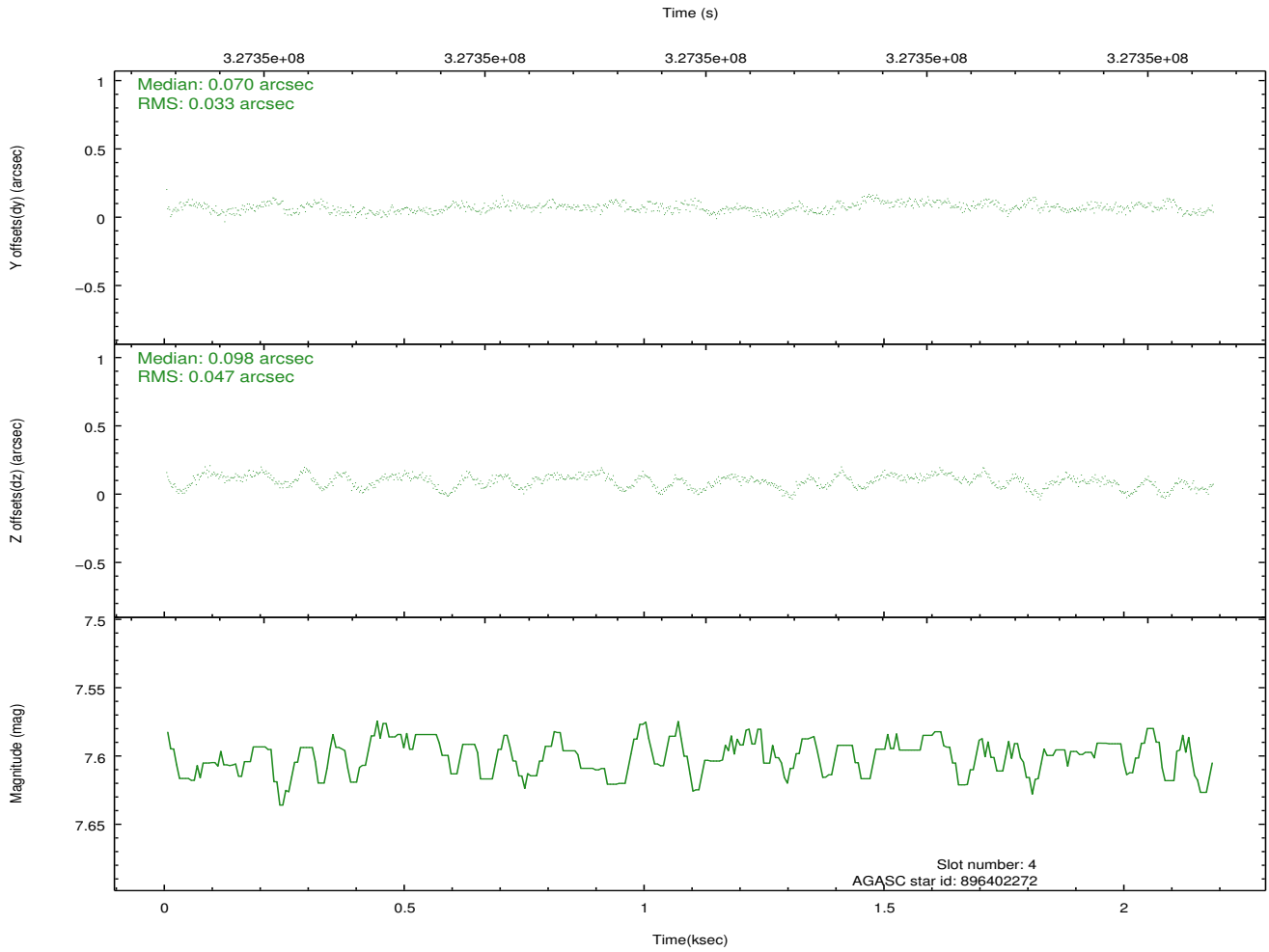
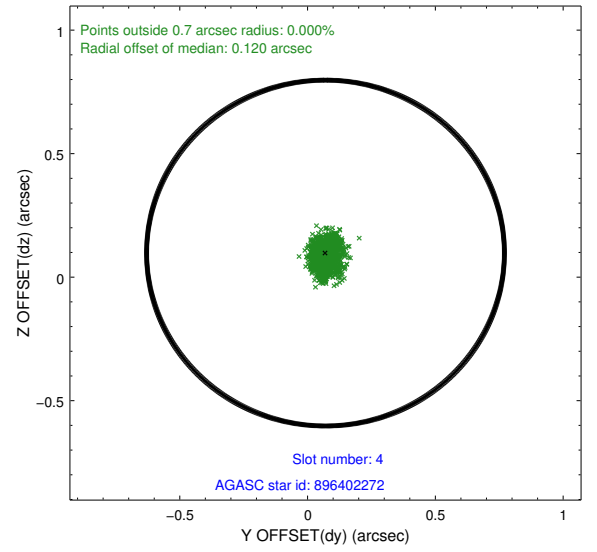
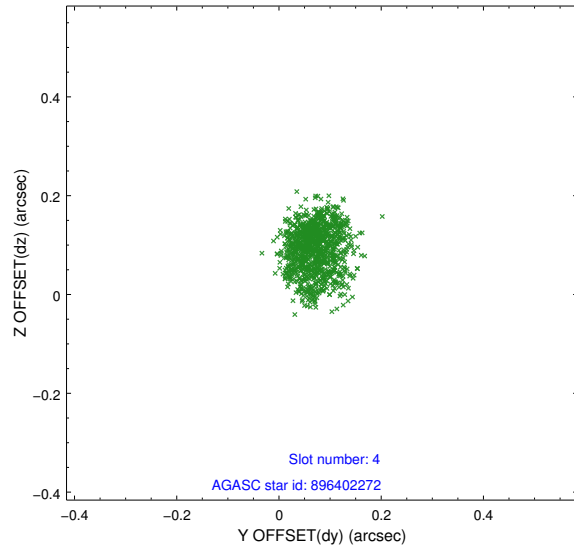
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.07	532	0.006	0.047	0.006	0.010	0.000000	0.000000	926.58	-837.37
1	FID	ACIS-I-5	7.05	533	-0.169	0.031	0.006	0.010	0.000000	0.000000	-1820.07	1058.57
2	FID	ACIS-I-6	7.06	532	0.073	-0.008	0.006	0.010	0.000000	0.000000	388.91	1706.45
3	GUIDE	895879840	7.19	1065	-0.227	-0.142	0.055	0.086	265.218397	-27.395778	1334.92	1077.63
4	GUIDE	896402272	7.60	1065	0.070	0.098	0.061	0.097	265.637294	-28.313189	-1683.65	-809.02
5	GUIDE	896404568	7.85	1064	0.138	0.108	0.055	0.088	265.687293	-28.431080	-2077.24	-1039.86
6	GUIDE	895879392	9.13	1064	-0.134	-0.318	0.101	0.155	264.792874	-27.441876	928.67	2385.14
7	GUIDE	896539744	8.33	1064	0.145	0.258	0.071	0.111	266.154264	-28.178023	-925.34	-2340.34

2.4 Star Slots

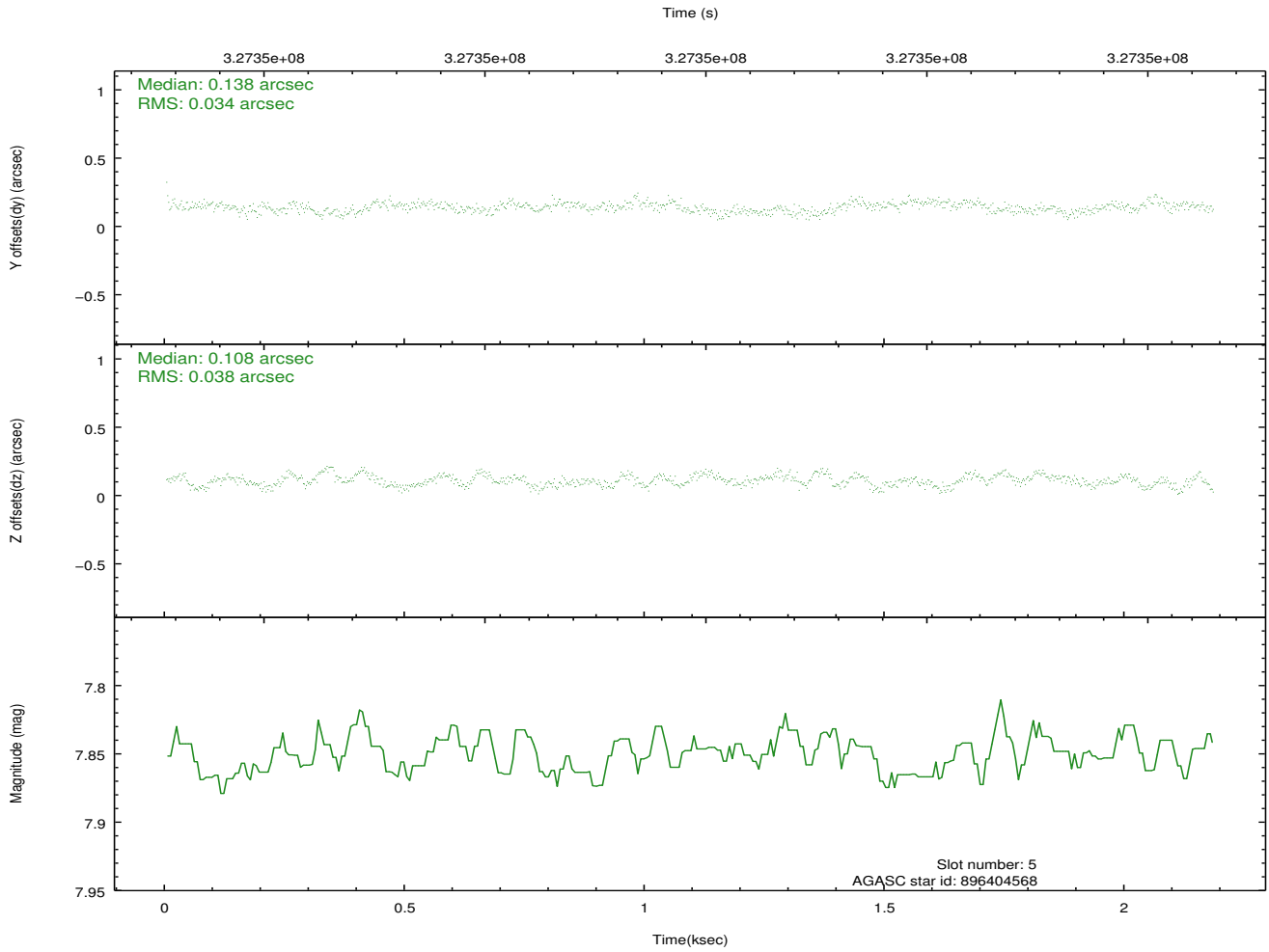
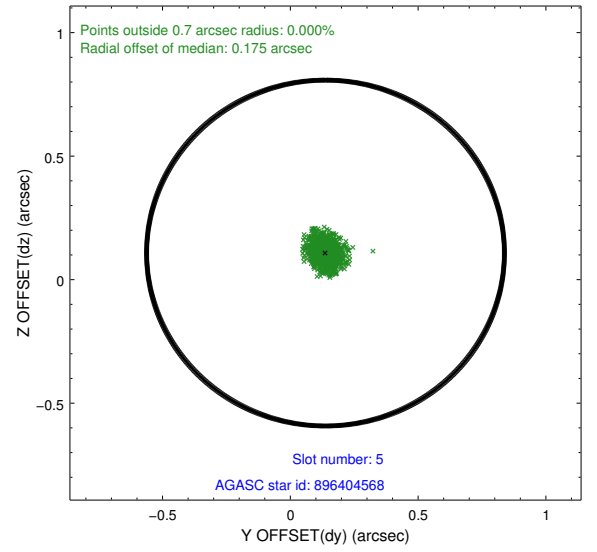
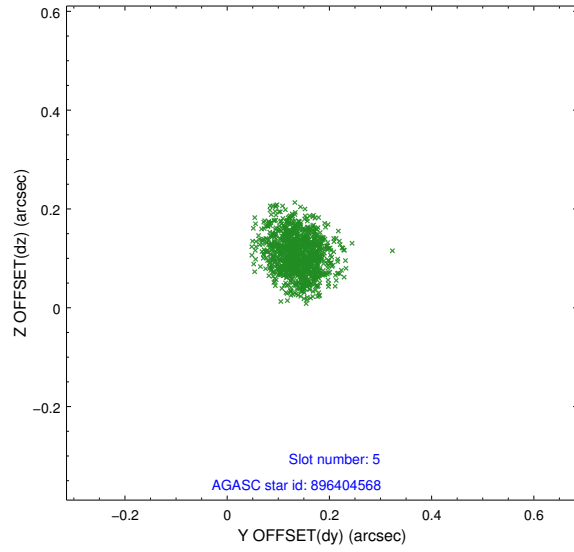
2.4.1 Slot 3



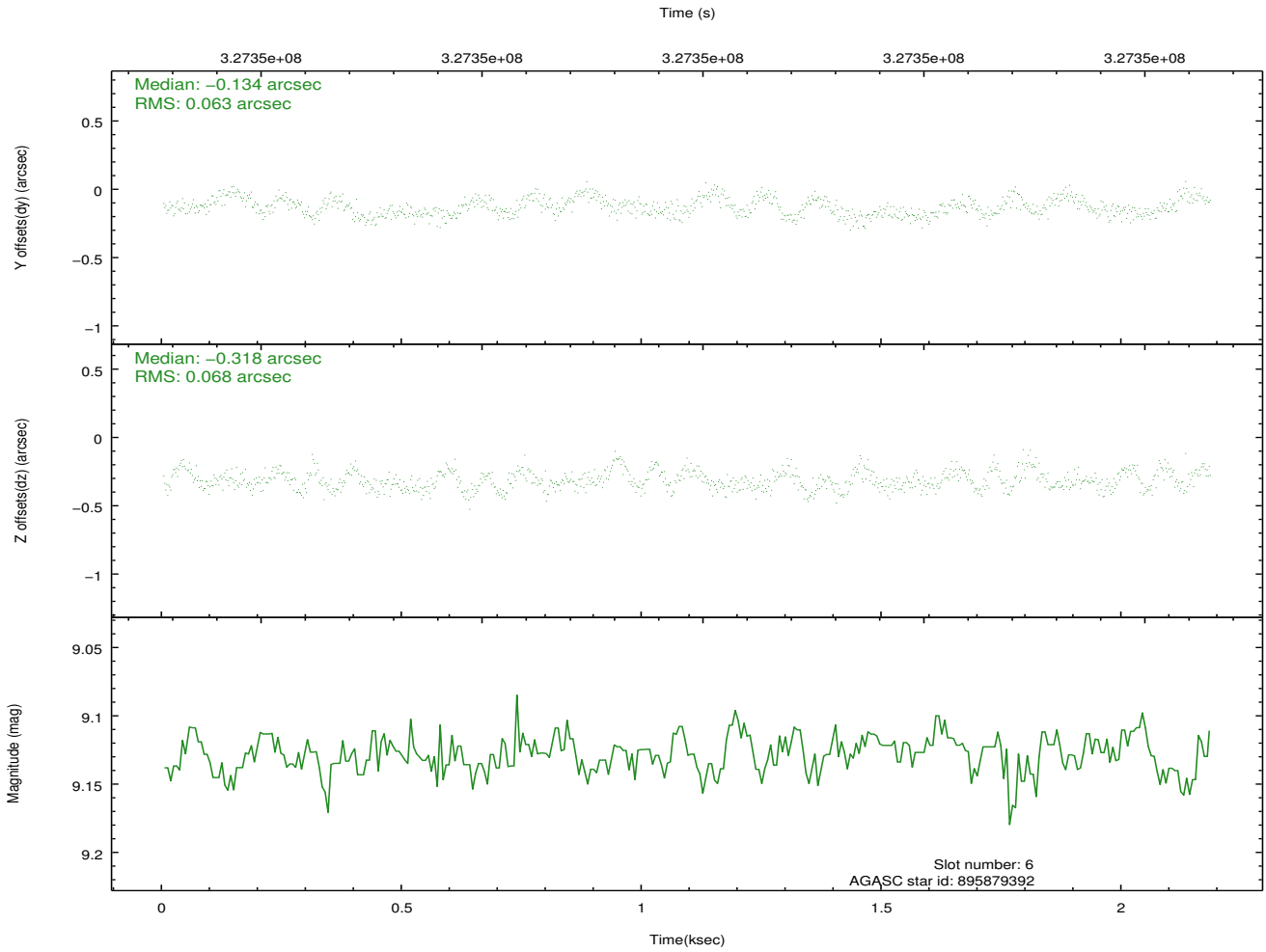
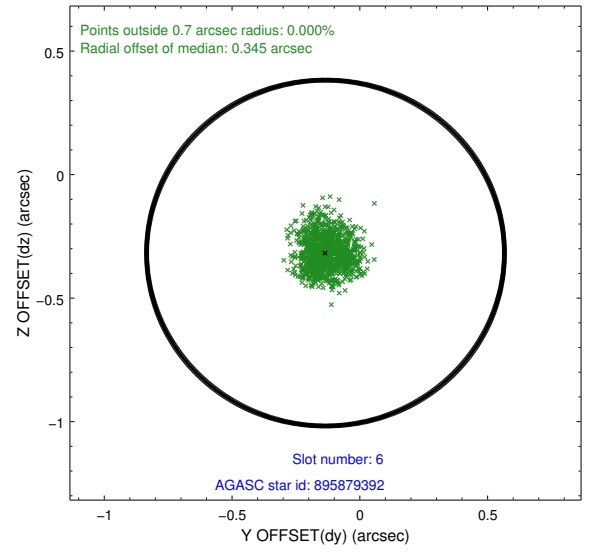
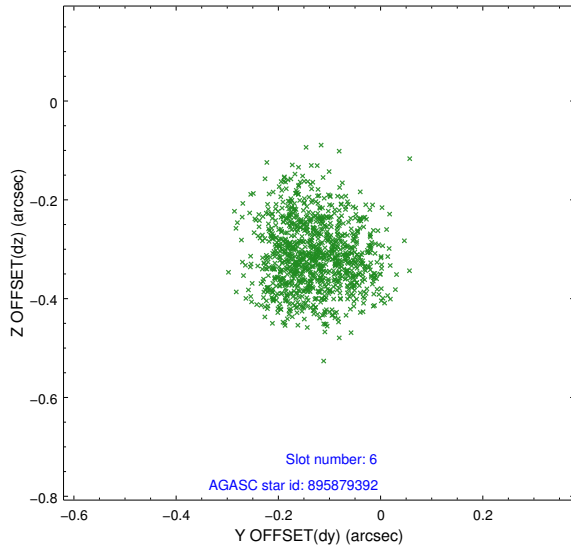
2.4.2 Slot 4



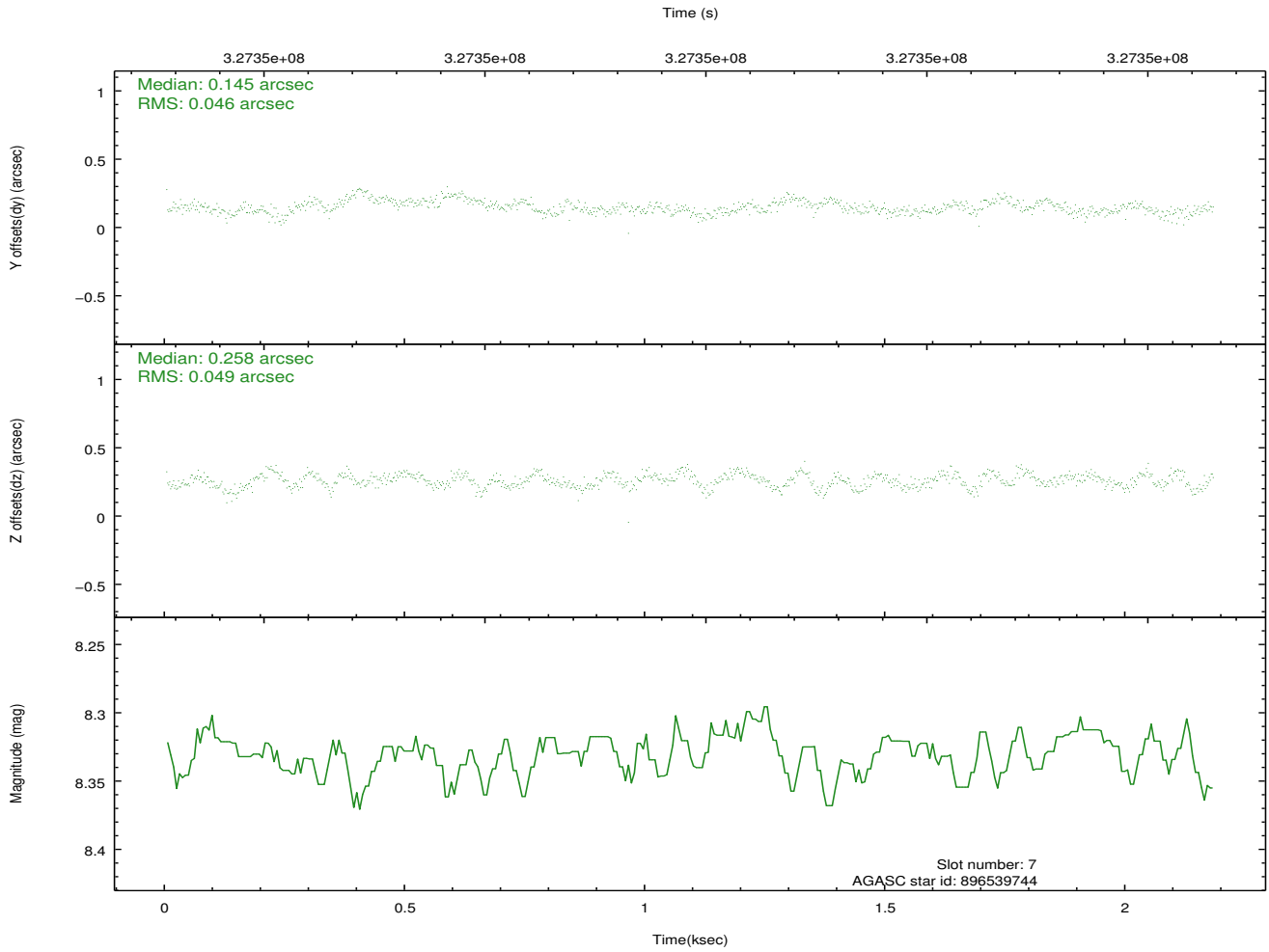
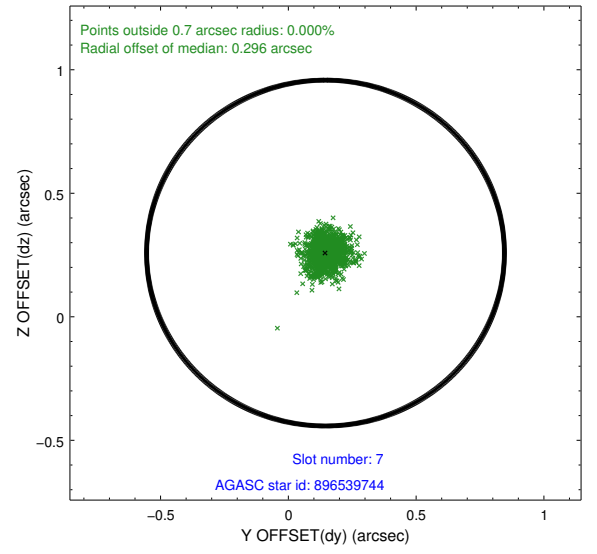
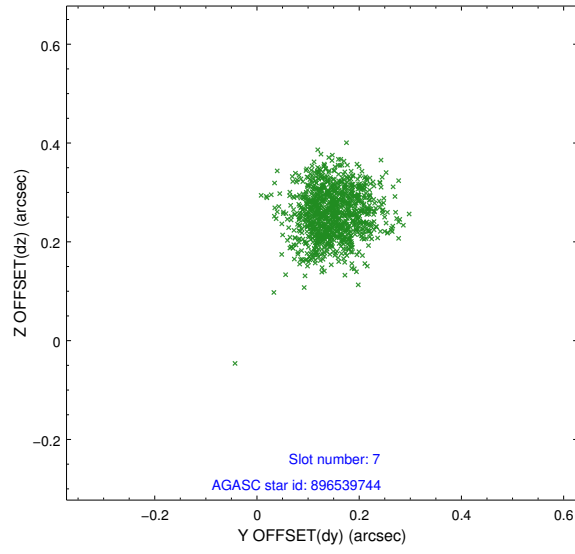
2.4.3 Slot 5



2.4.4 Slot 6

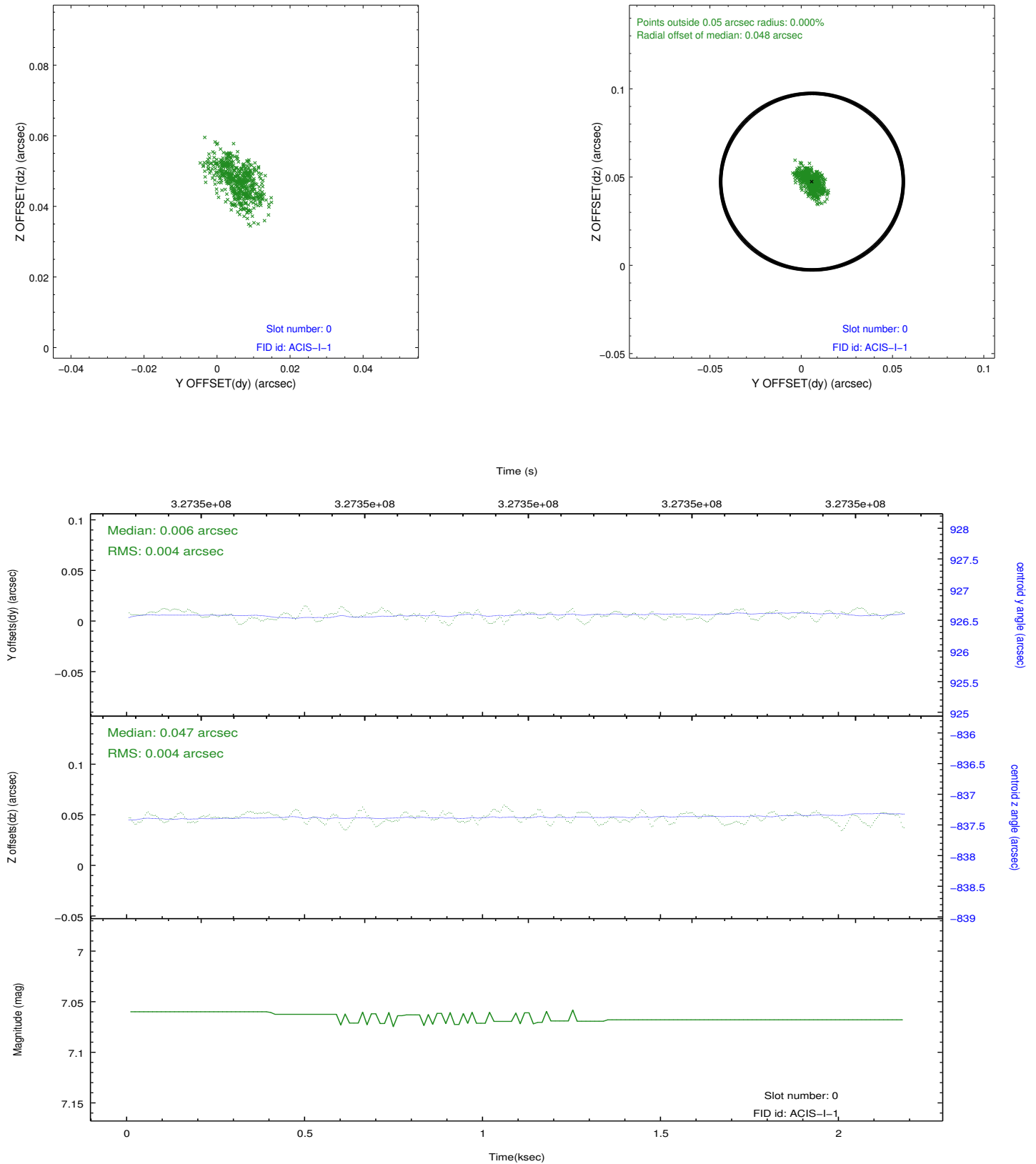


2.4.5 Slot 7

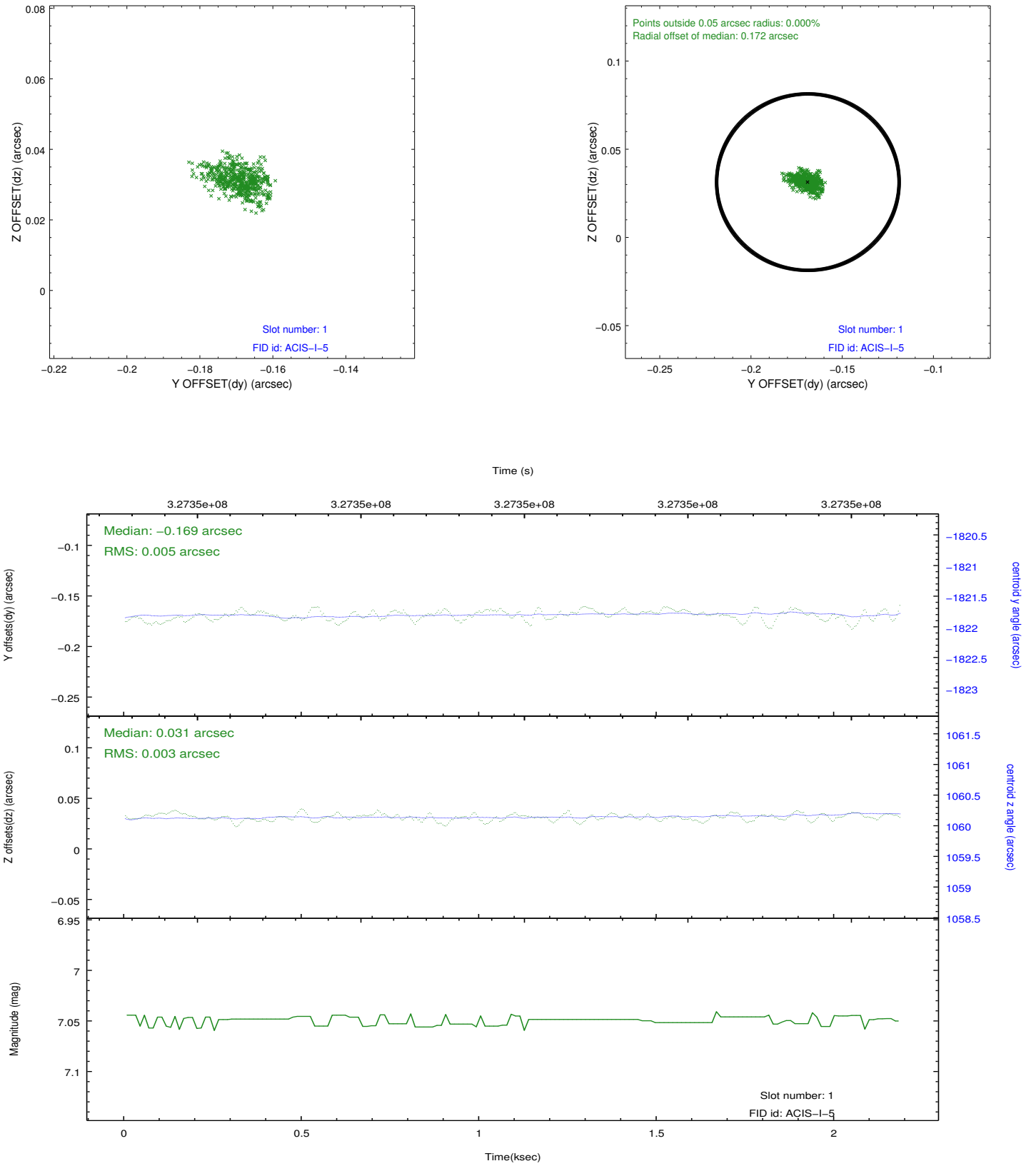


2.5 FID Slots

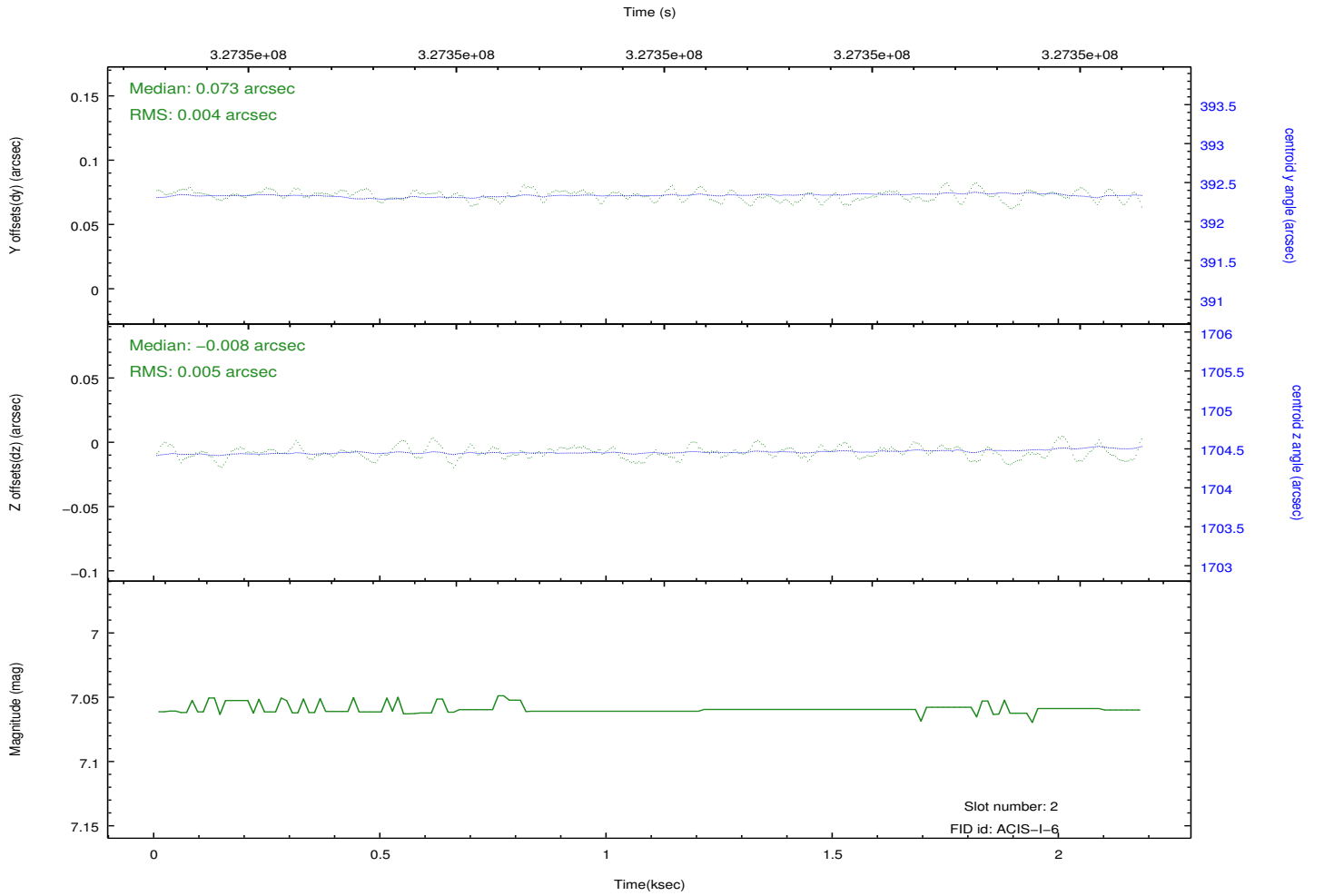
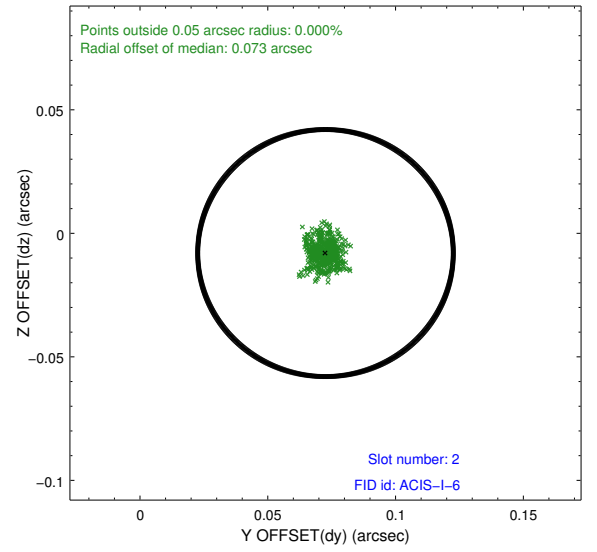
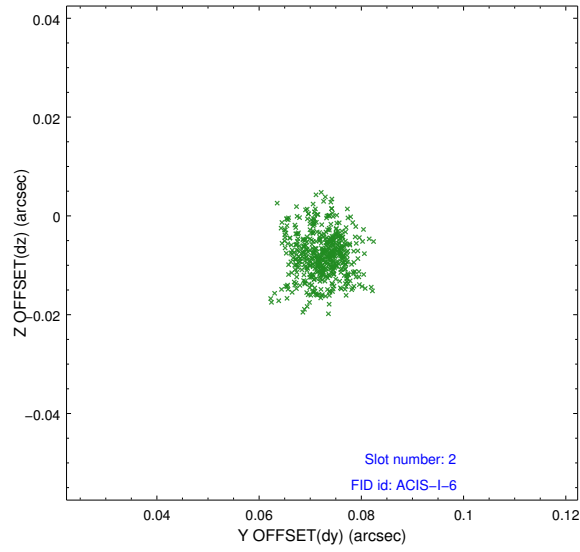
2.5.1 Slot 0



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	2.18240001

A.2 Comments