

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8703 - L2 Version 2
Chandra X-Ray Center

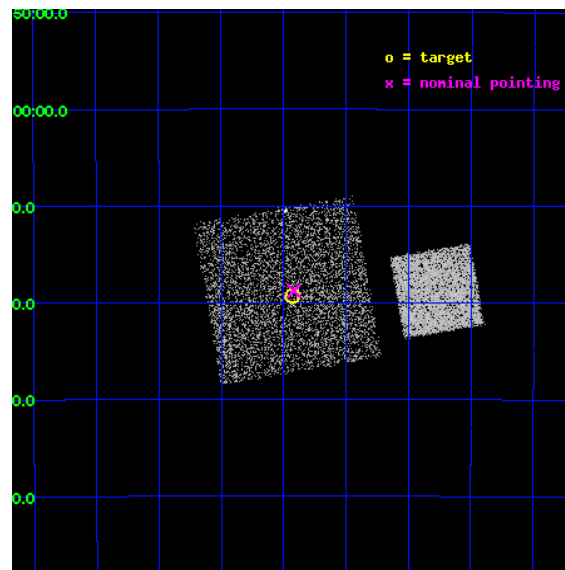
L2 Processing Date : May 15 2012

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1 Front

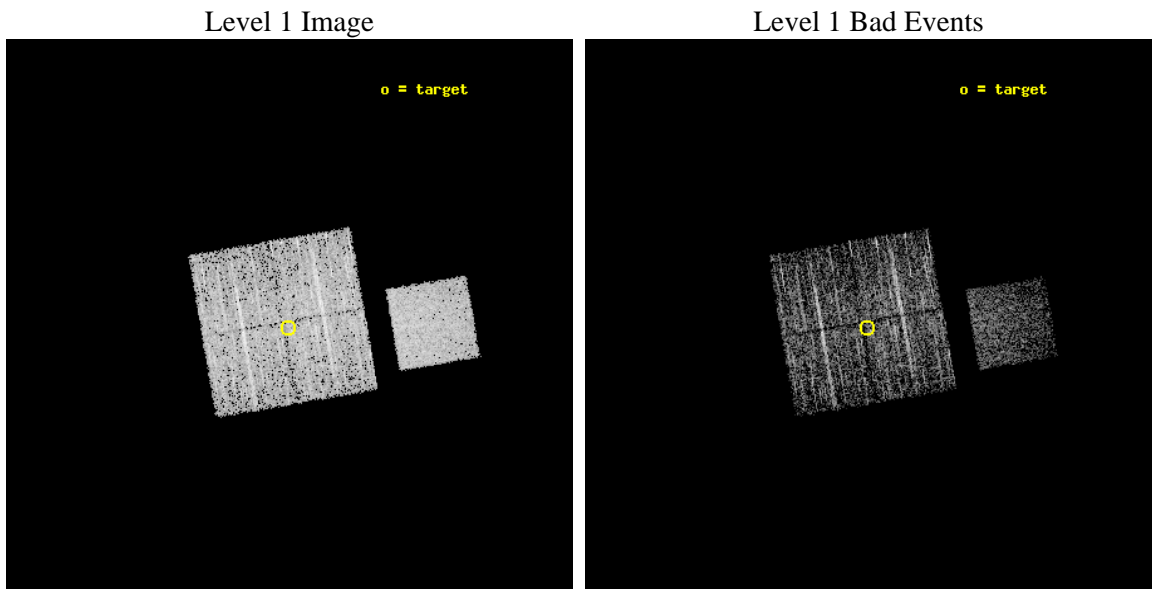
seq_num	400754	Sequence number
obs_id	8703	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	Prof Mariano Mendez	Principal investigator
object	GBSGTO6	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	264.106041	Observer's specified target RA [deg]
dec_targ	-29.320878	Observer's specified target Dec [deg]
ra_nom	264.10477649373	Nominal RA [deg]
dec_nom	-29.312870812179	Nominal Dec [deg]
roll_nom	80.208111165724	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	15759	Number of level 2 events



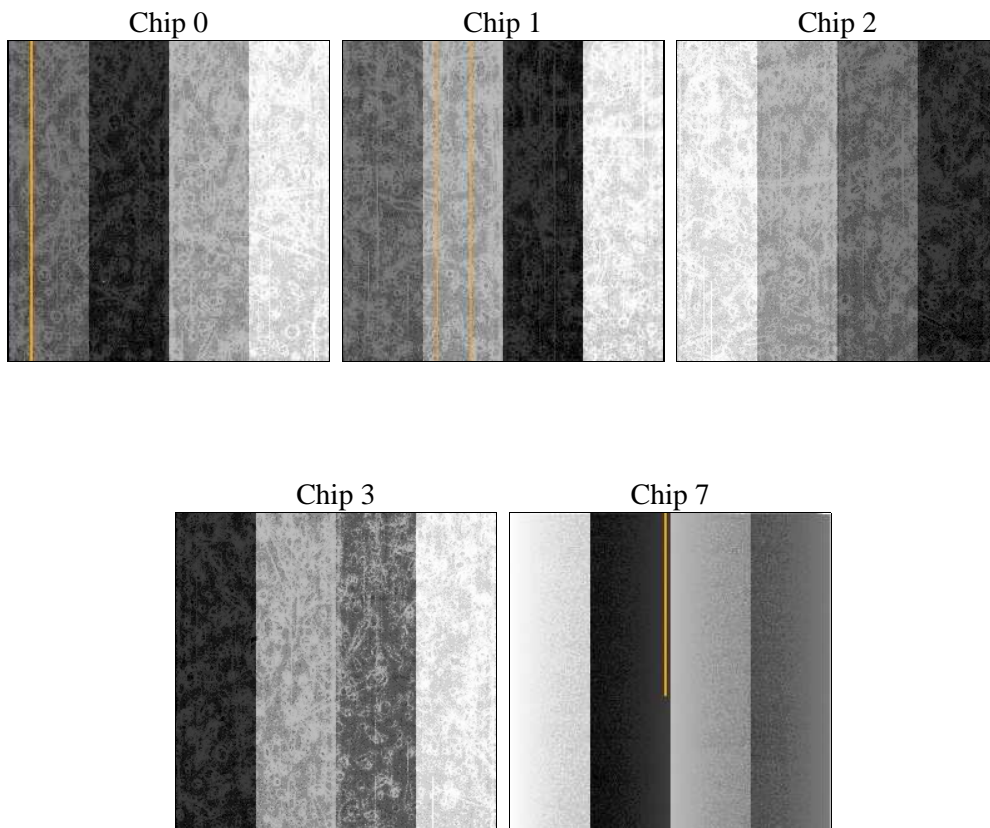
2 OBI

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	2012-05-15T03:11:08	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	101674	Number of level 1 events

2.1.4 Events

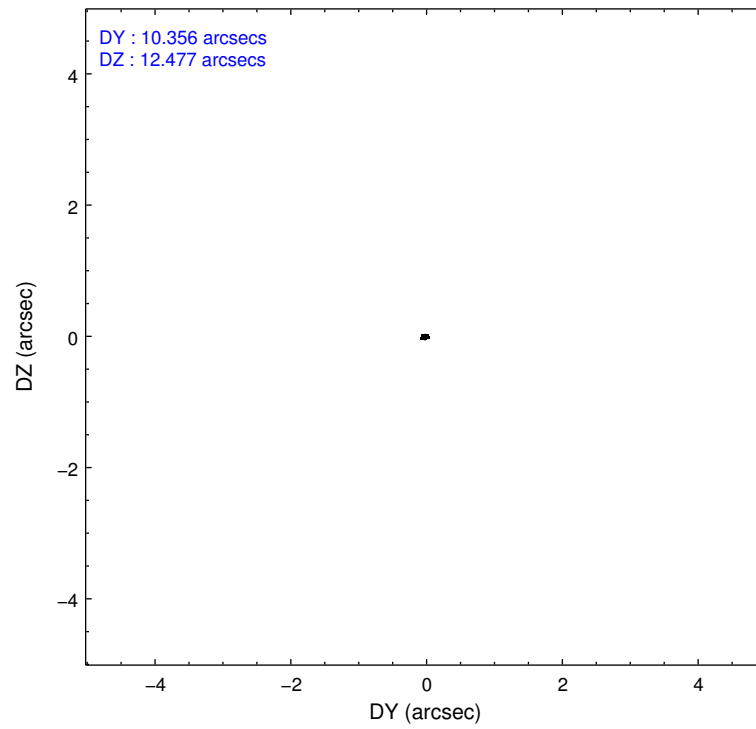
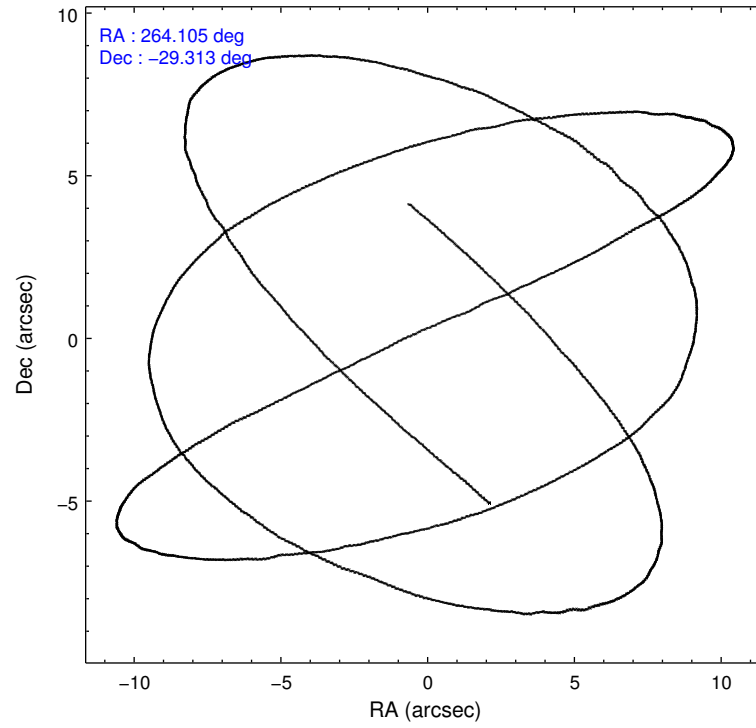
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	18575	18773	21497	19864	22965
rejected events	16586	16578	19487	17924	13780
rejected %	89%	88%	90%	90%	60%

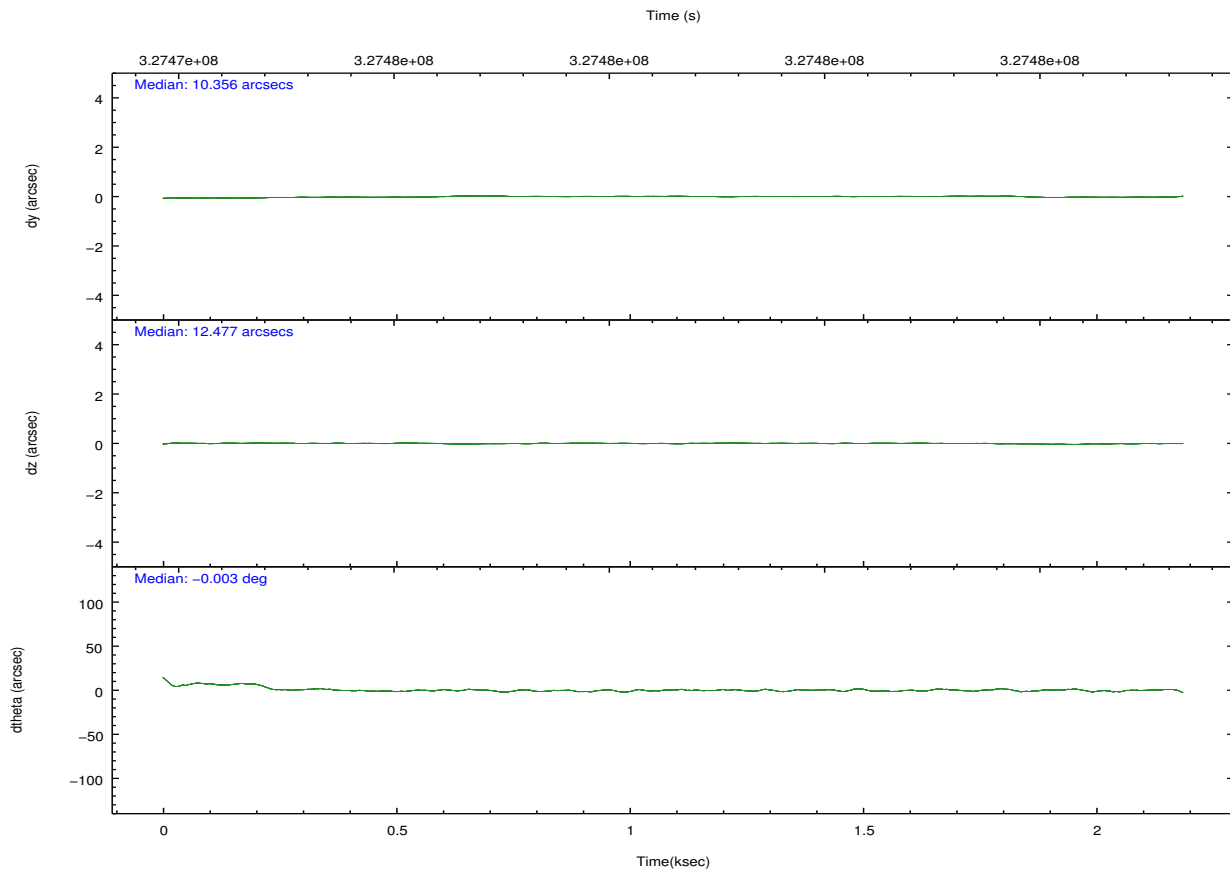
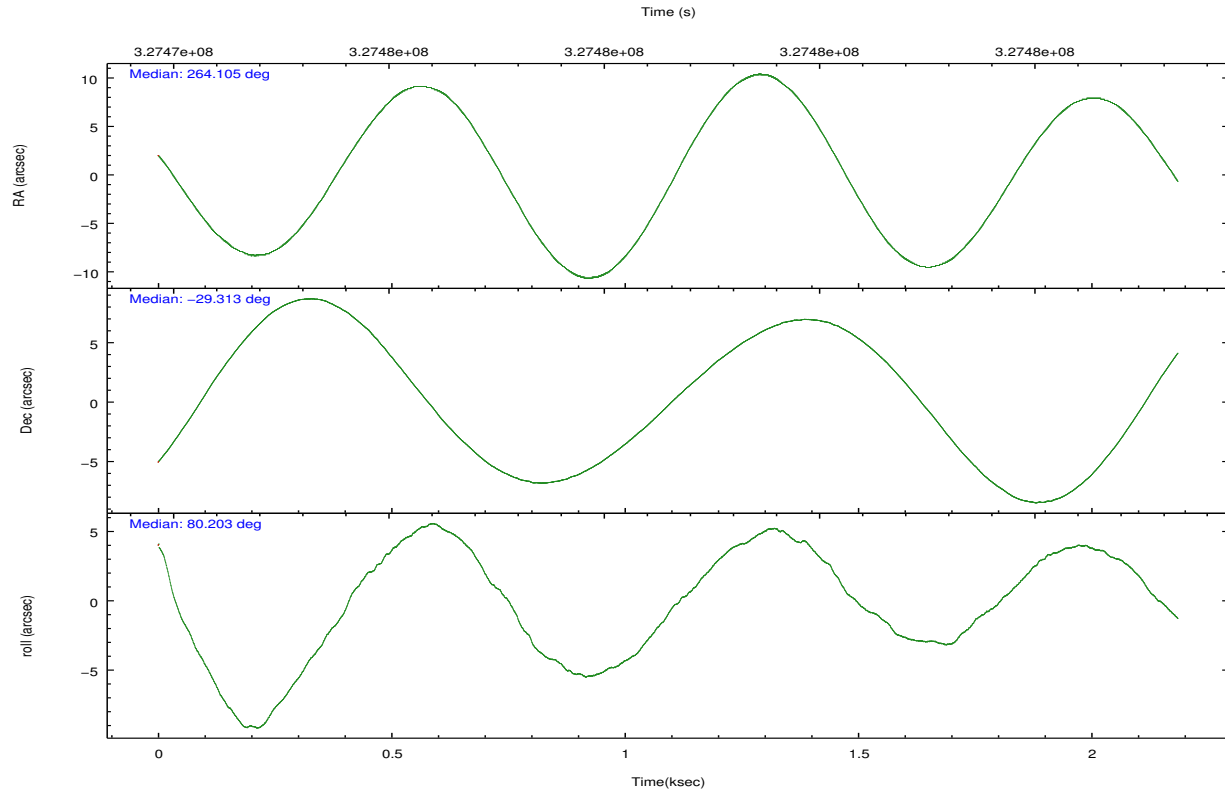
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	897	1057	984	987	1035
	4%	5%	4%	4%	4%
grade 1 events	10	14	16	14	24
	0%	0%	0%	0%	0%
grade 2 events	517	570	445	439	2211
	2%	3%	2%	2%	9%
grade 3 events	243	231	256	212	926
	1%	1%	1%	1%	4%
grade 4 events	221	208	237	216	967
	1%	1%	1%	1%	4%
grade 5 events	687	811	662	813	2430
	3%	4%	3%	4%	10%
grade 6 events	417	457	348	373	5410
	2%	2%	1%	1%	23%
grade 7 events	15583	15425	18549	16810	9962
	83%	82%	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	264.115845	264.1047764937287	CCD I2 on	Y	Y
[deg] Pointing Dec	-29.338625	-29.31287081217925	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004806	80.20811116572389	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)	327474744.184000	327474367.93325	CCD S5 on	N	N
Observation start date	2008-05-18T05:11:19	2008-05-18T05:06:07	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327476744.184000	327476878.15837	On-chip summing requested	N	N
Observation end date	2008-05-18T05:44:39	2008-05-18T05:47:58	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



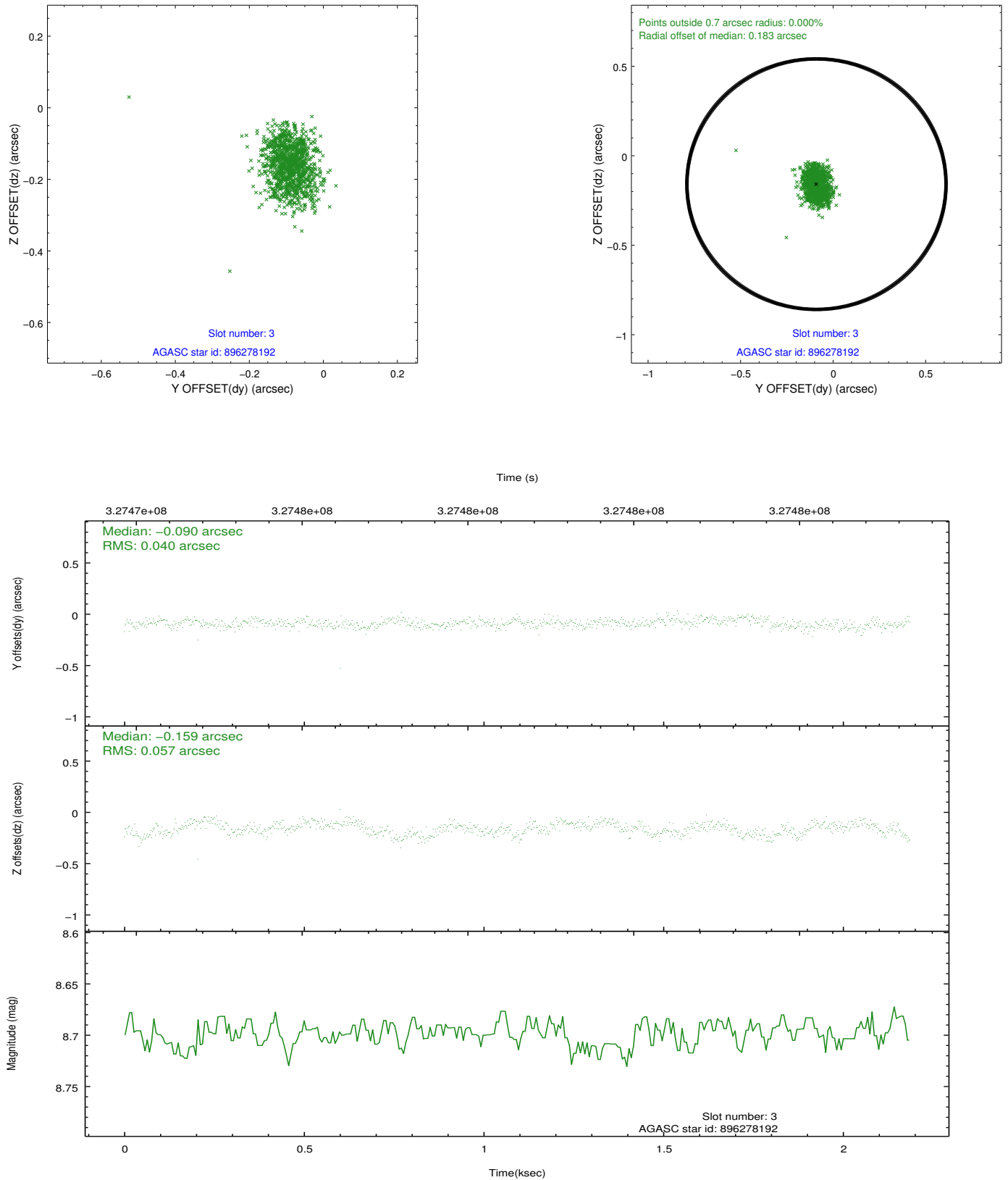


Slot Statistics

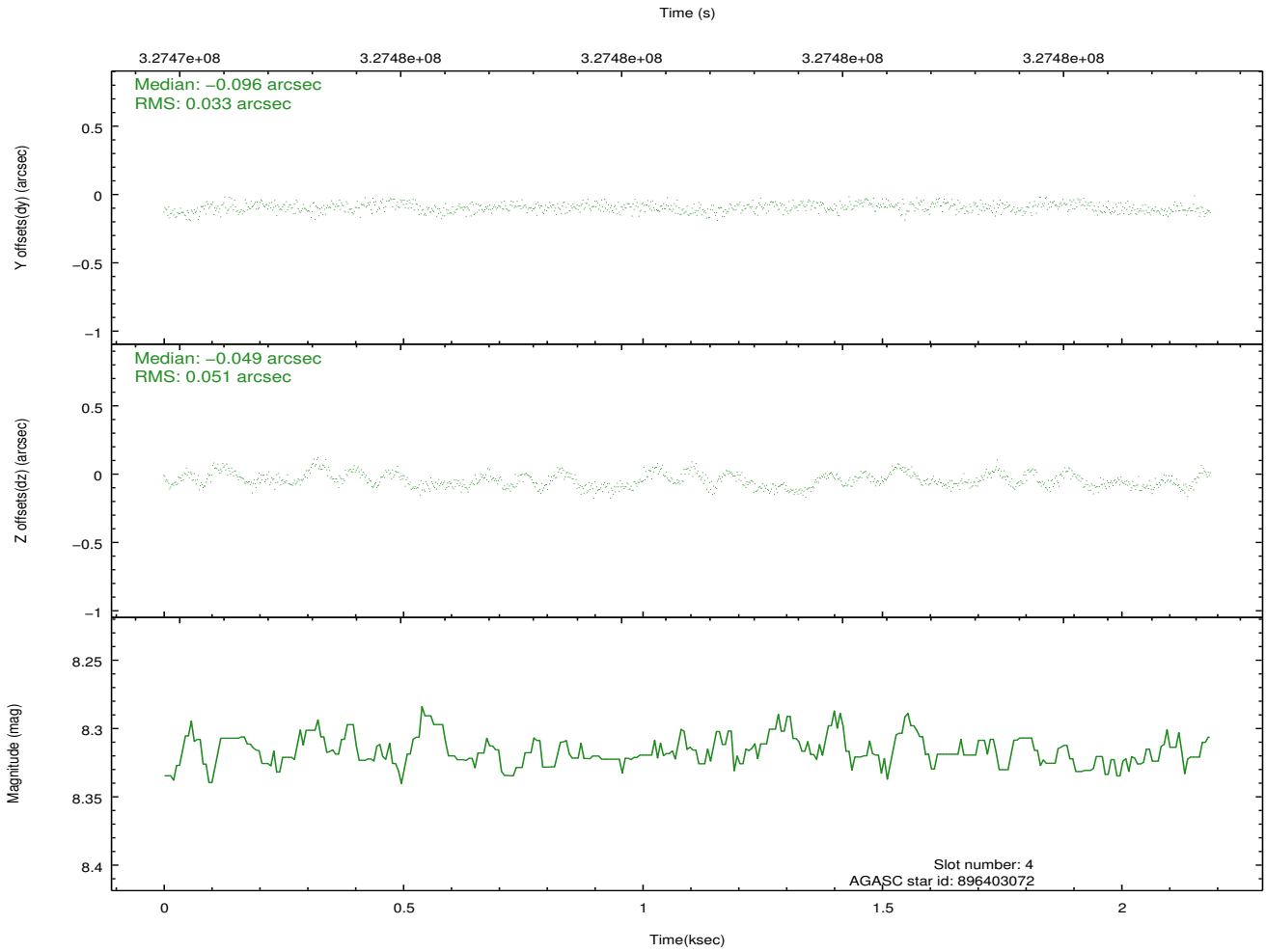
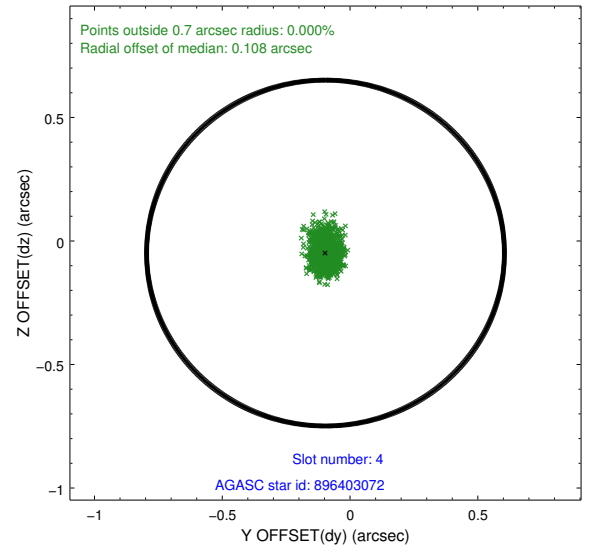
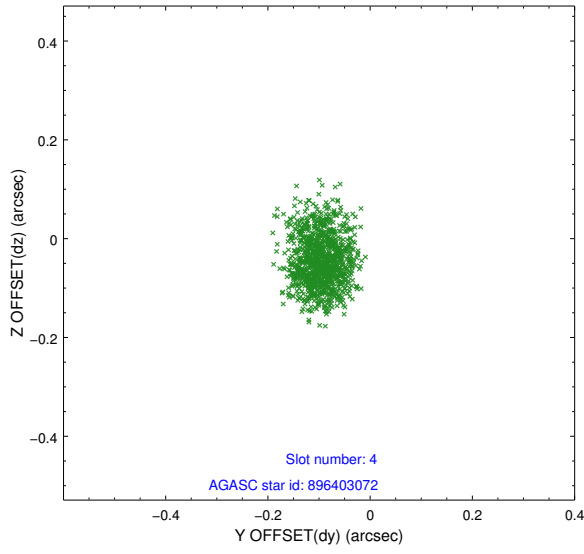
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.04	534	-0.018	0.015	0.010	0.051	0.000000	0.000000	929.24	-835.97
1	FID	ACIS-I-2	6.94	534	-0.167	-0.056	0.008	0.016	0.000000	0.000000	-763.34	-844.01
2	FID	ACIS-I-4	6.97	534	0.087	0.108	0.009	0.040	0.000000	0.000000	2147.84	1062.44
3	GUIDE	896278192	8.70	1067	-0.090	-0.159	0.072	0.117	263.596121	-29.333327	-267.84	1608.82
4	GUIDE	896403072	8.32	1066	-0.096	-0.049	0.064	0.104	263.956439	-28.943077	1314.75	743.23
5	GUIDE	896404376	6.67	1066	0.026	0.222	0.061	0.102	264.835179	-29.530972	-295.94	-2339.51
6	GUIDE	896406904	8.99	1067	0.075	0.131	0.077	0.125	264.311862	-29.742267	-1325.05	-857.93
7	GUIDE	896278776	9.42	1065	0.090	-0.146	0.099	0.175	263.475269	-29.398813	-568.75	1939.07

2.4 Star Slots

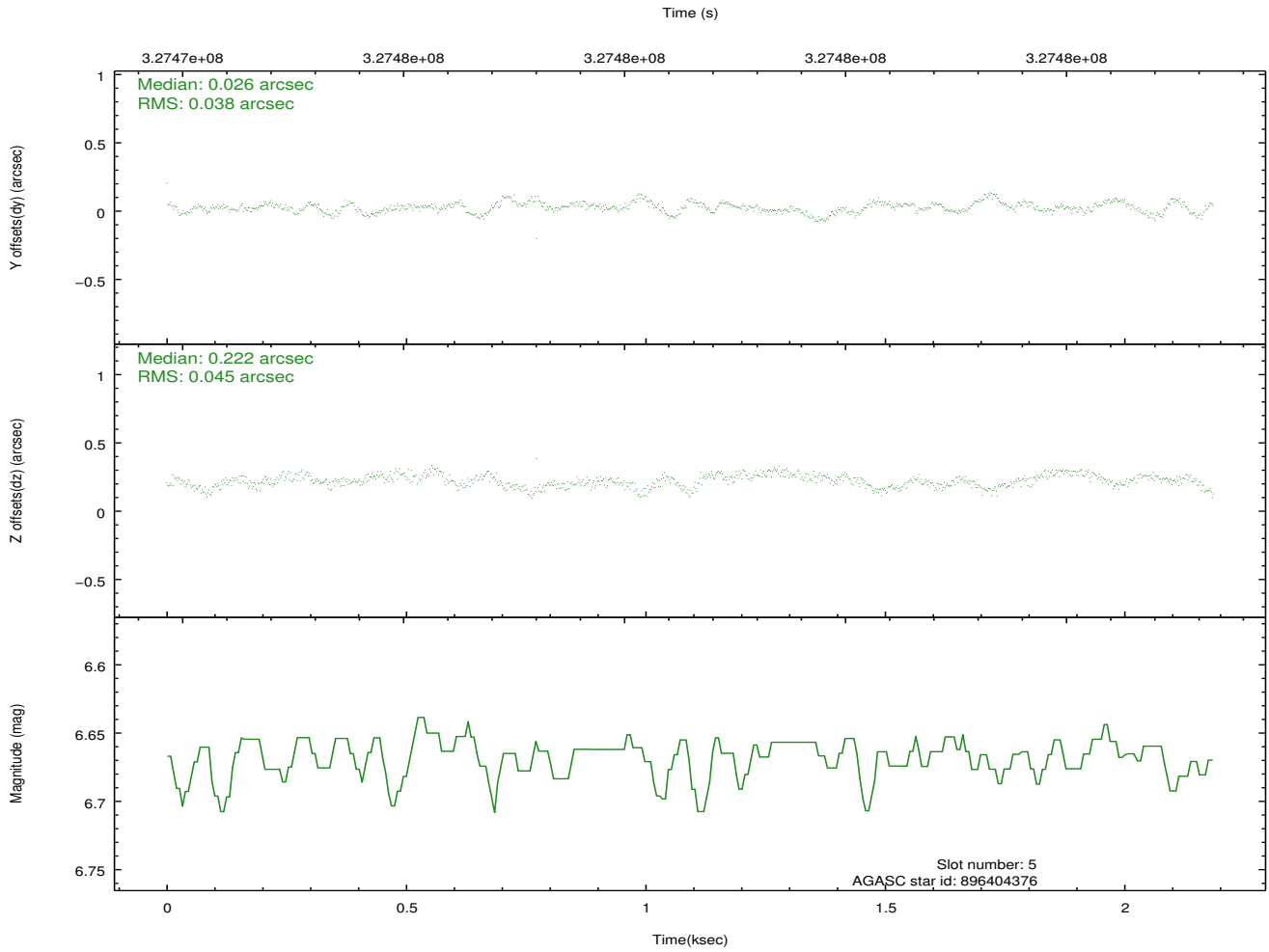
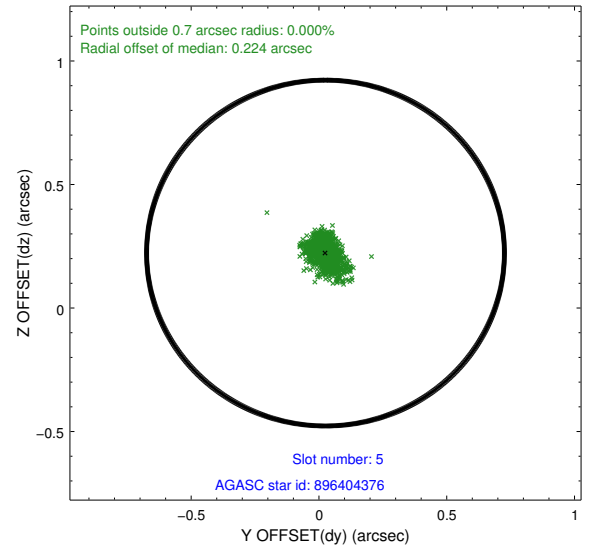
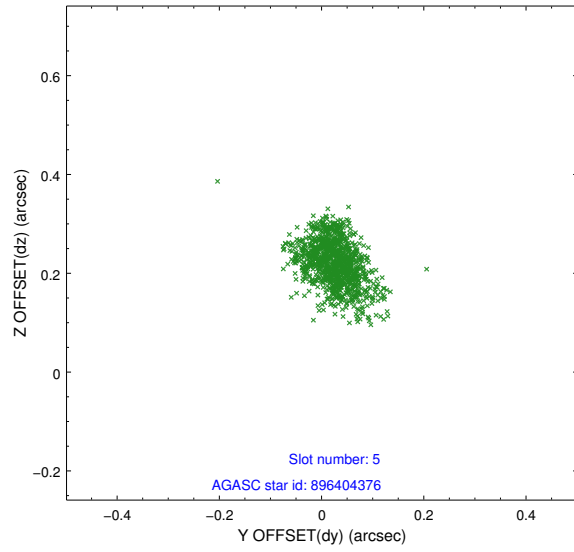
2.4.1 Slot 3



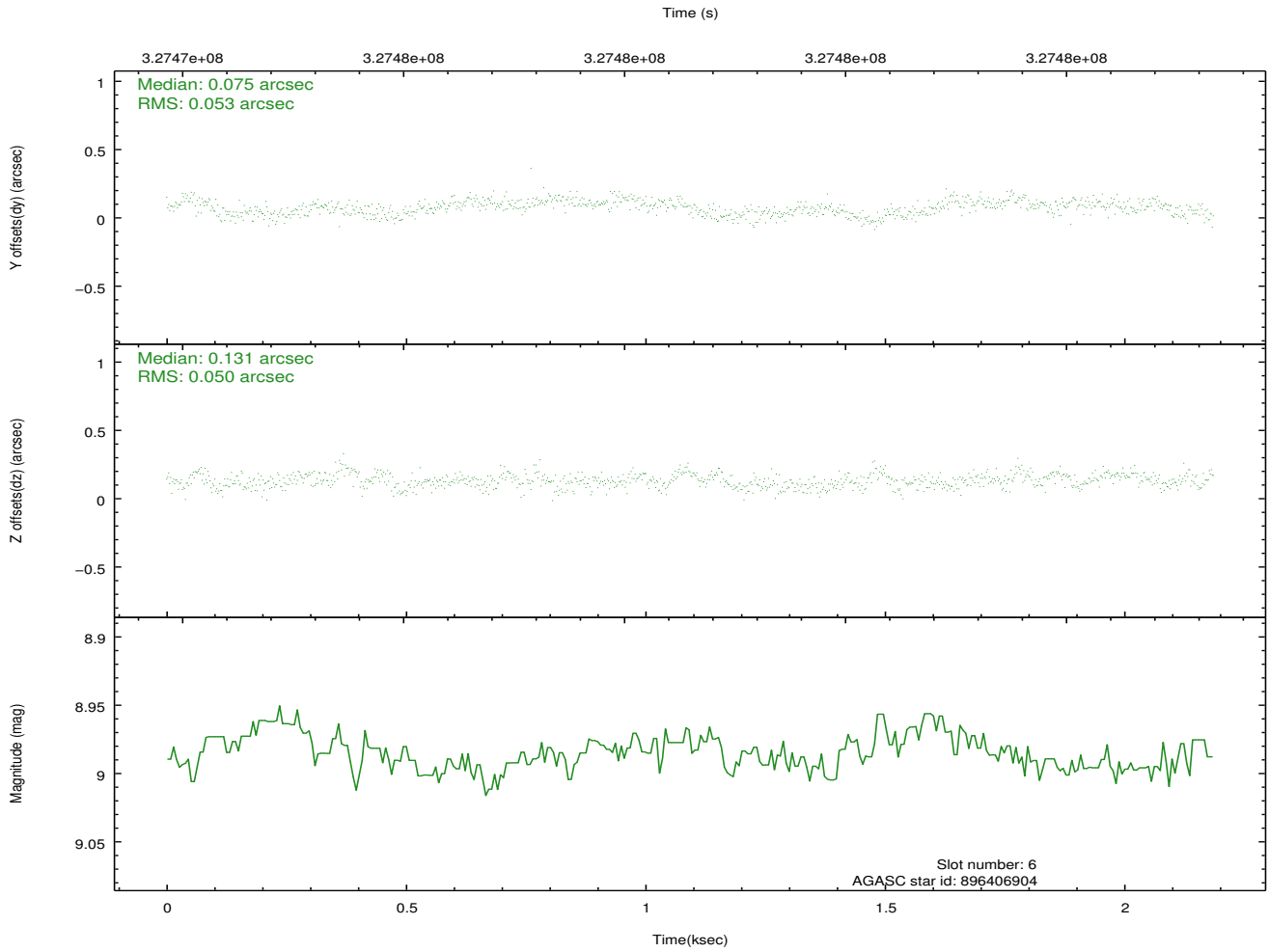
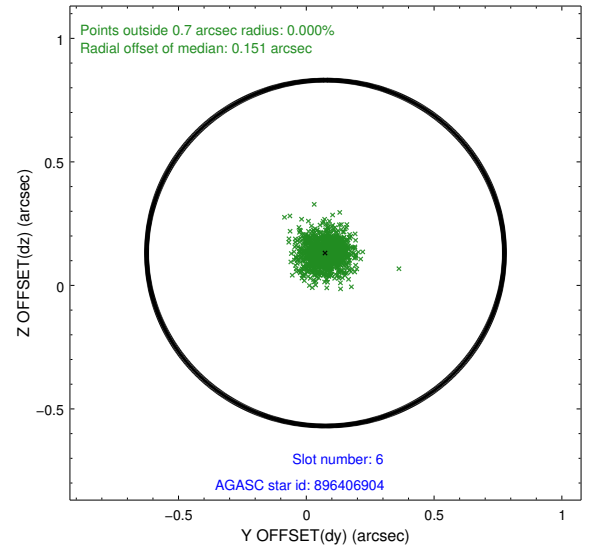
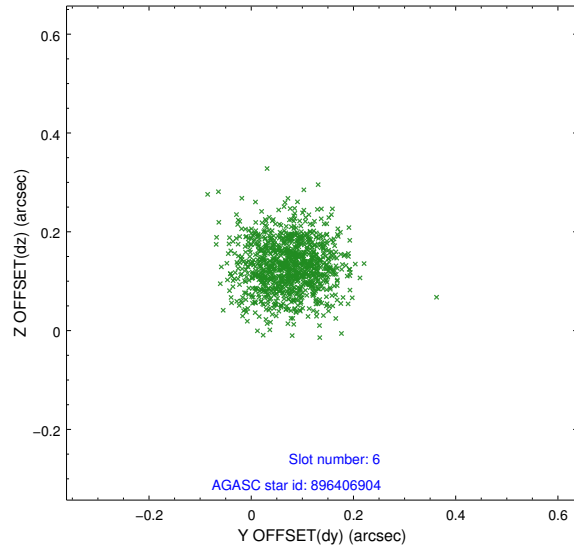
2.4.2 Slot 4



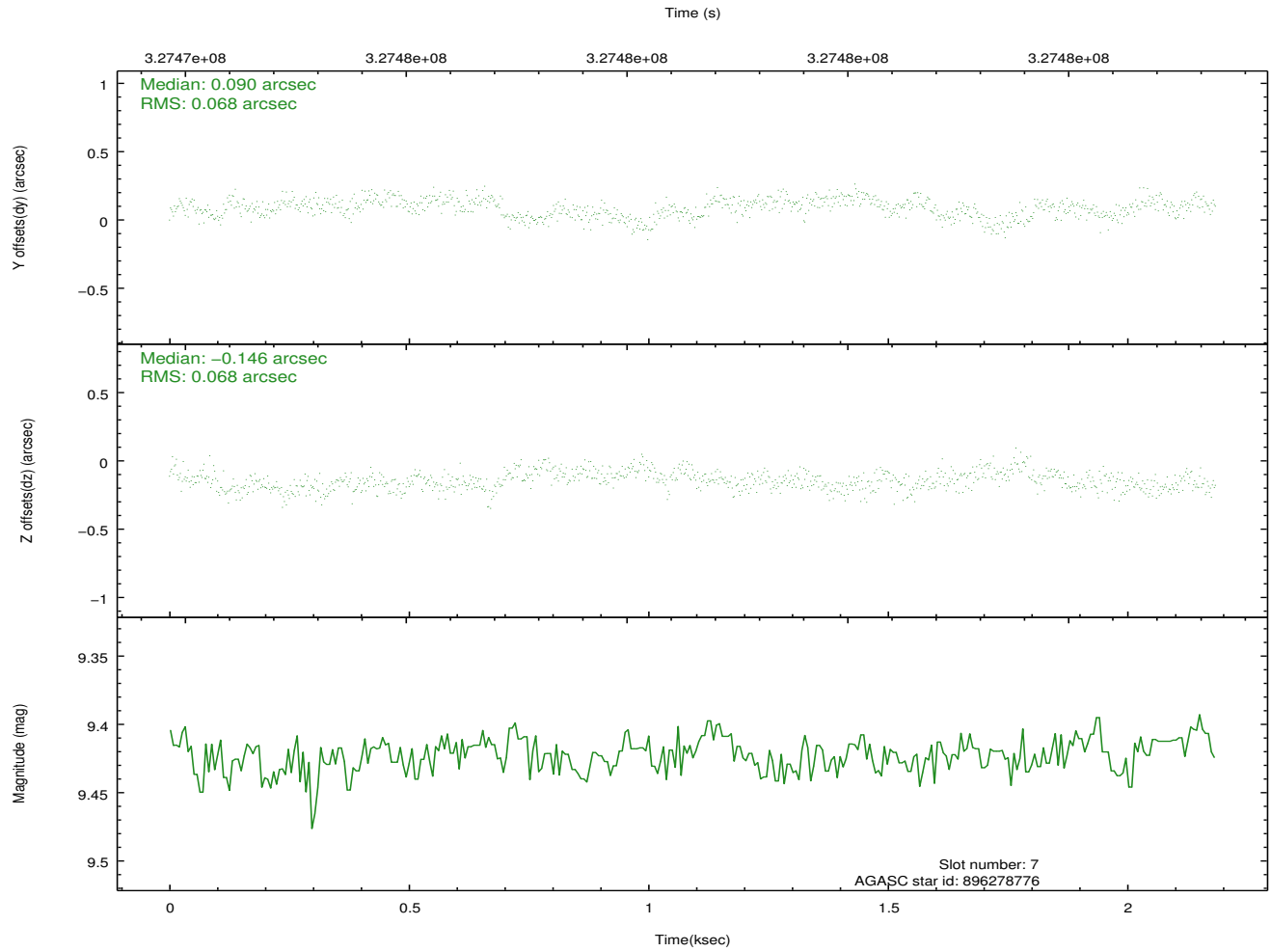
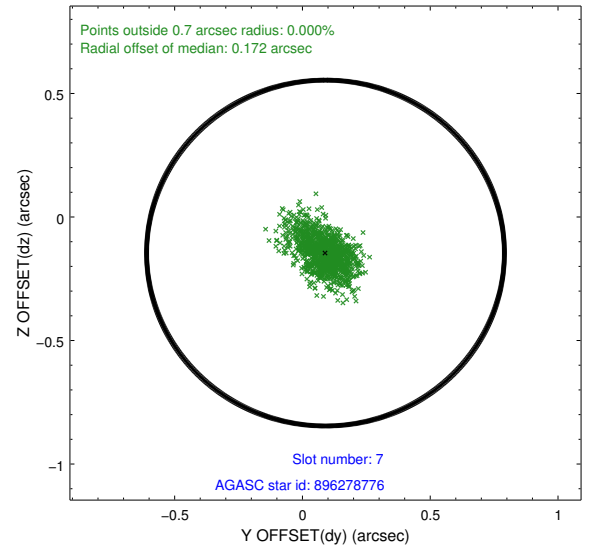
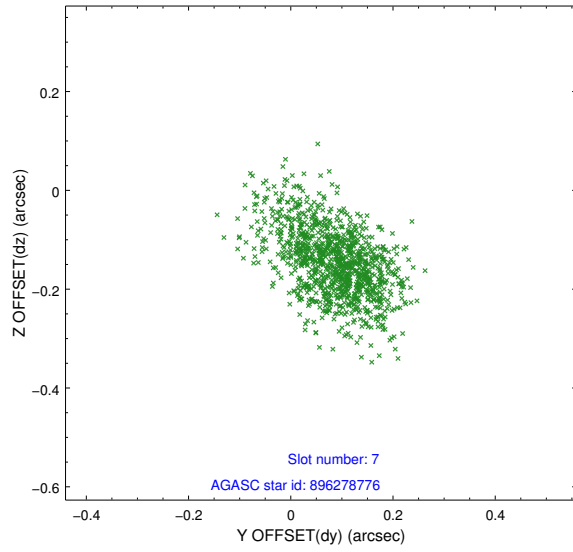
2.4.3 Slot 5



2.4.4 Slot 6

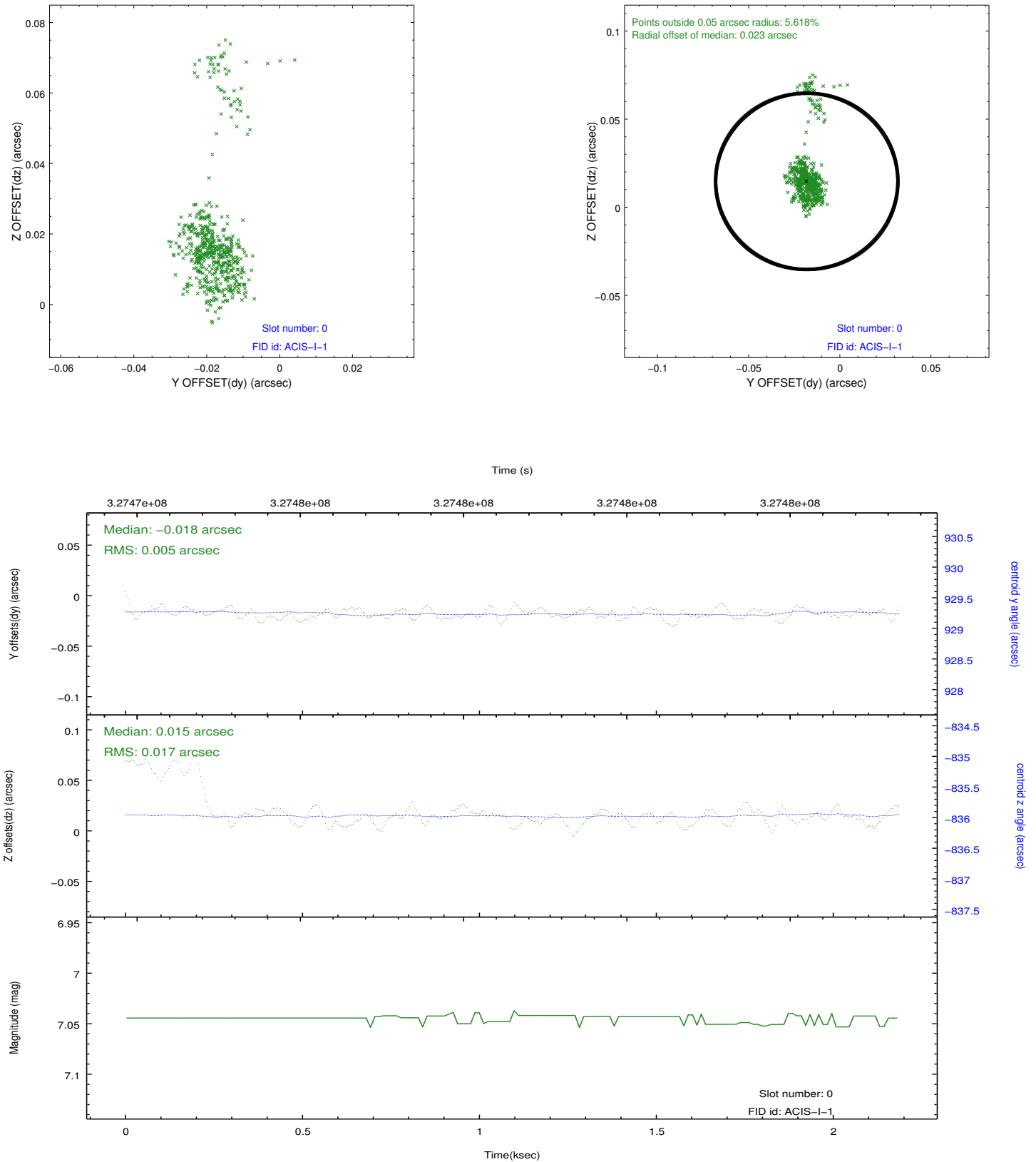


2.4.5 Slot 7

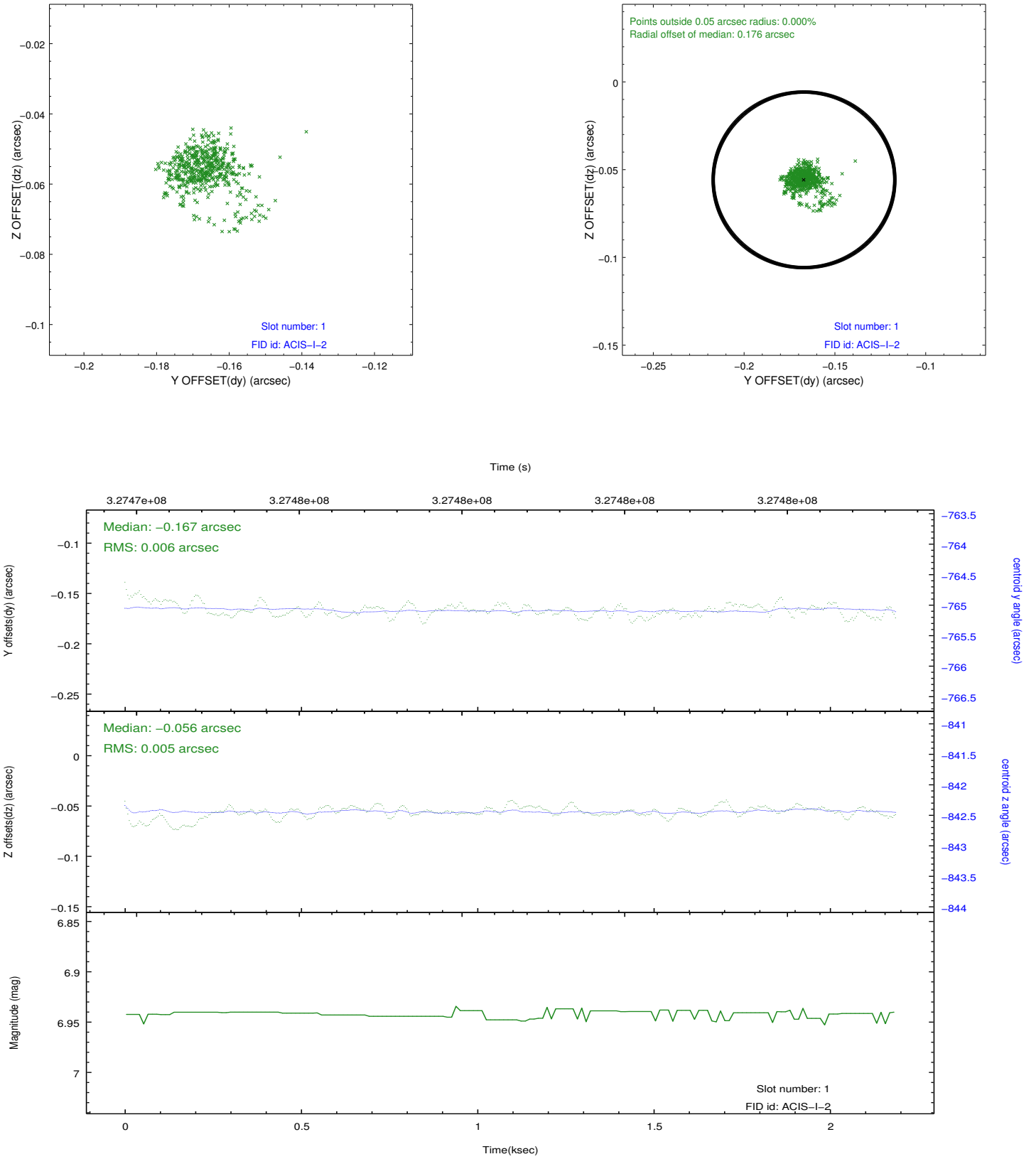


2.5 FID Slots

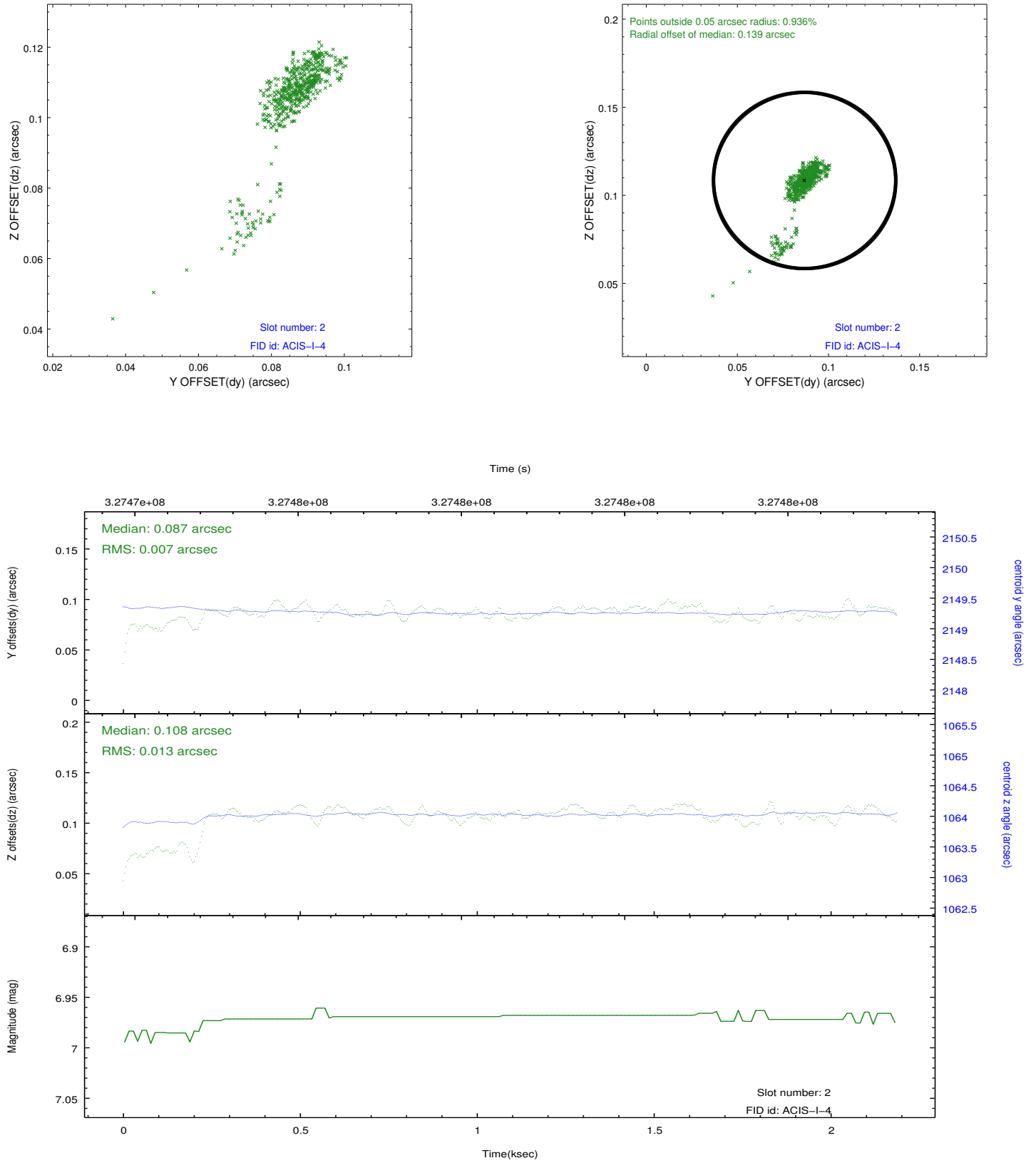
2.5.1 Slot 0



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	2.18550001

A.2 Comments