

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8689 - L2 Version 2
Chandra X-Ray Center

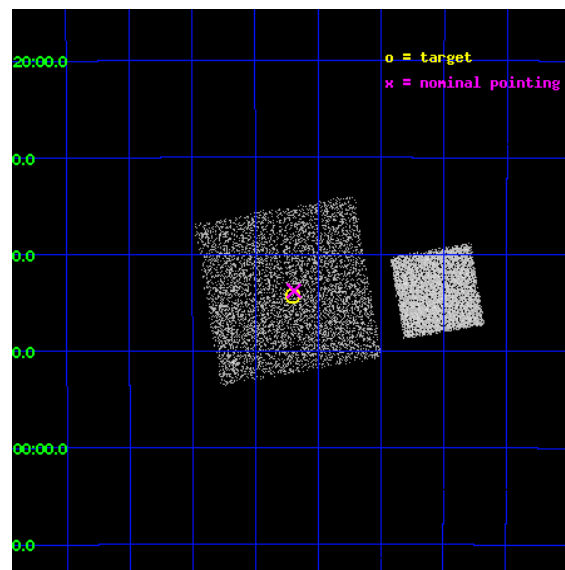
L2 Processing Date : May 15 2012

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1 Front

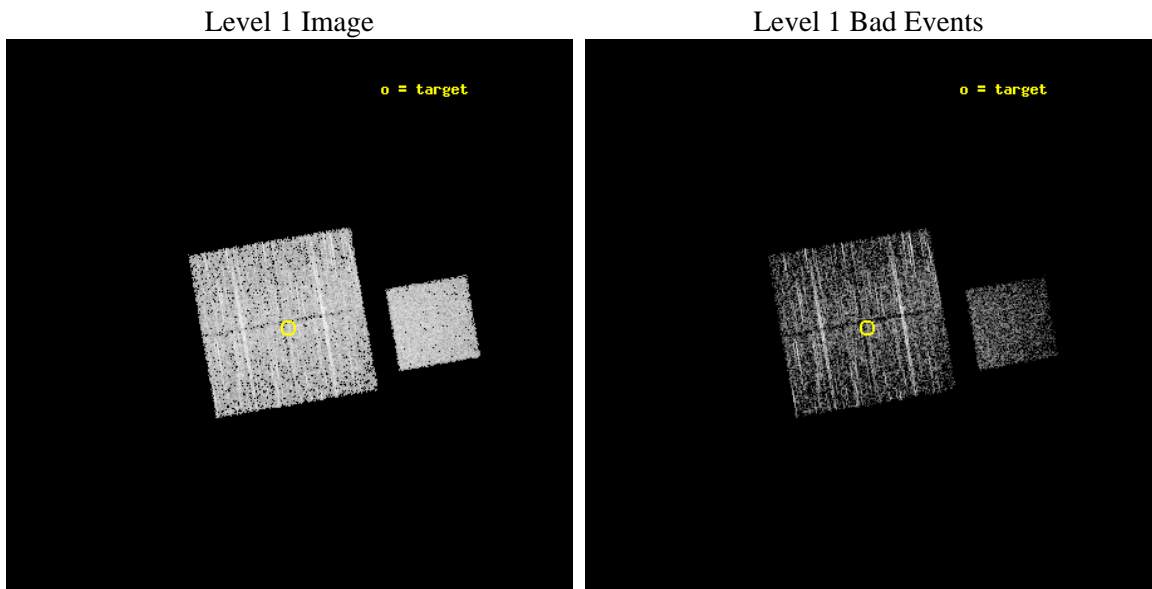
seq_num	400740	Sequence number
obs_id	8689	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	Prof Mariano Mendez	Principal investigator
object	GBSGTO5	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	264.799225	Observer's specified target RA [deg]
dec_targ	-28.738005	Observer's specified target Dec [deg]
ra_nom	264.79804541962	Nominal RA [deg]
dec_nom	-28.729867616962	Nominal Dec [deg]
roll_nom	80.208138840792	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2188.6000168324	Sum of GTIs [s]
livetime	2160.0043463885	Livetime [s]
ontime0	2188.6000168324	Sum of GTIs [s]
ontime1	2188.6000168324	Sum of GTIs [s]
ontime2	2188.6000168324	Sum of GTIs [s]
ontime3	2188.6000168324	Sum of GTIs [s]
ontime7	2188.6000168324	Sum of GTIs [s]
l2events	16161	Number of level 2 events



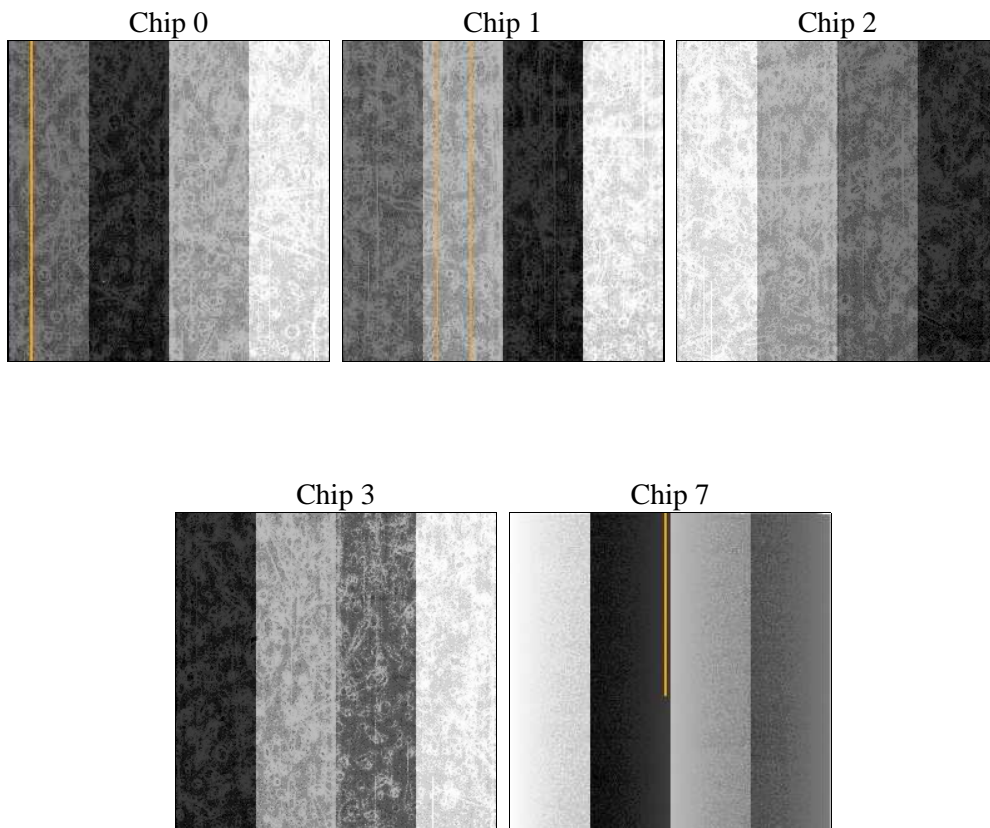
2 OBI

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	2188.6000168324	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	2188.6000168324	Sum of GTIs [s]
date	2012-05-15T05:03:19	Date and time of file creation	ontime1	2188.6000168324	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2188.6000168324	Sum of GTIs [s]
			ontime3	2188.6000168324	Sum of GTIs [s]
			ontime7	2188.6000168324	Sum of GTIs [s]
			l1events	105179	Number of level 1 events

2.1.4 Events

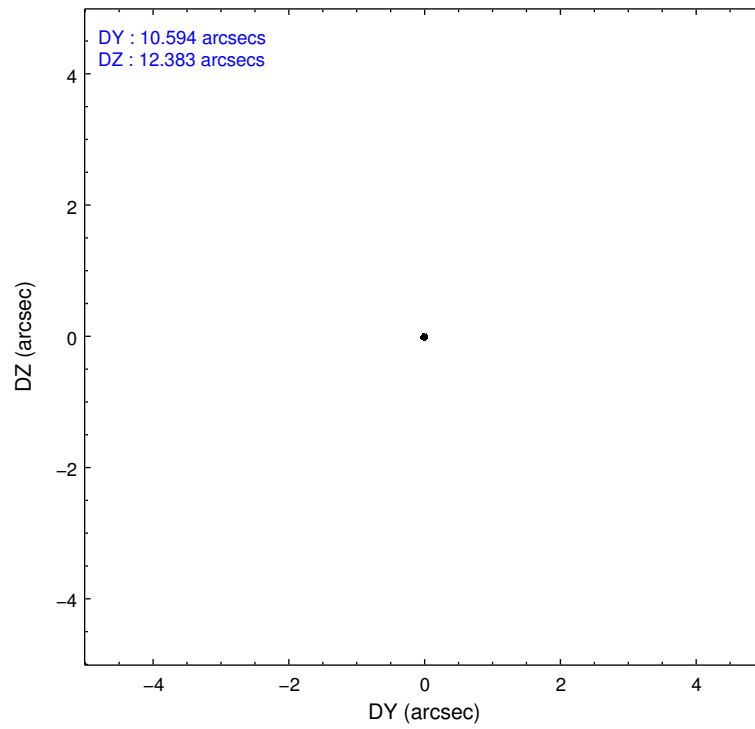
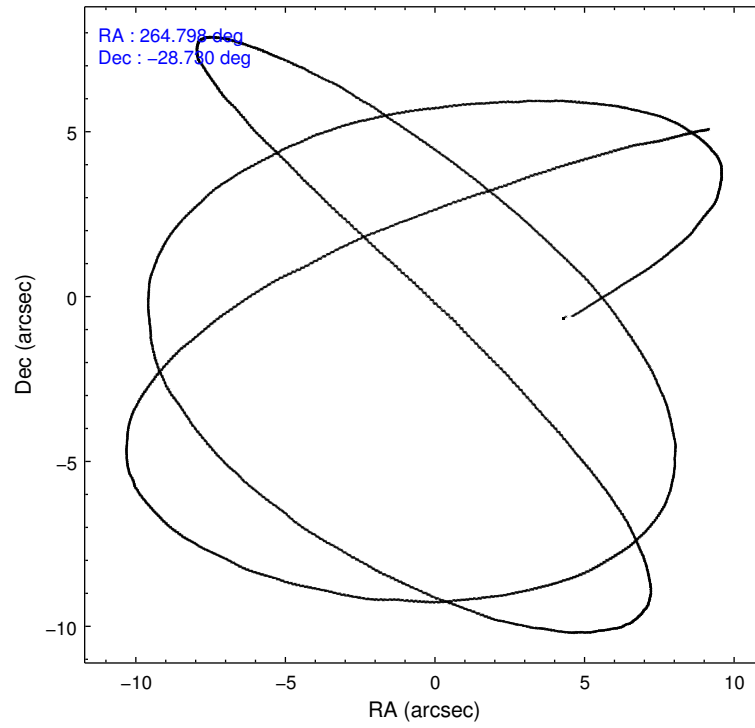
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	19794	20124	22340	20059	22862
rejected events	17780	17816	20314	18019	13472
rejected %	89%	88%	90%	89%	58%

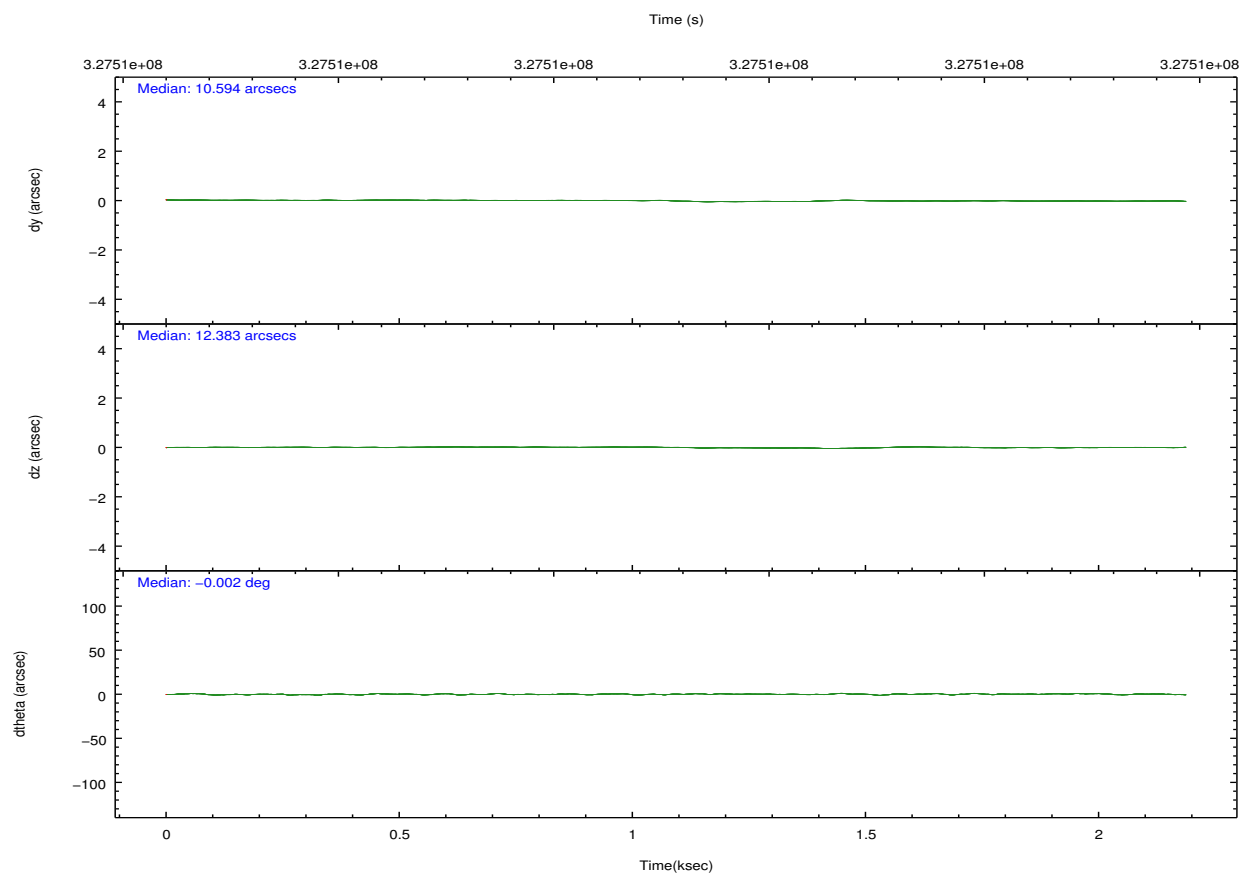
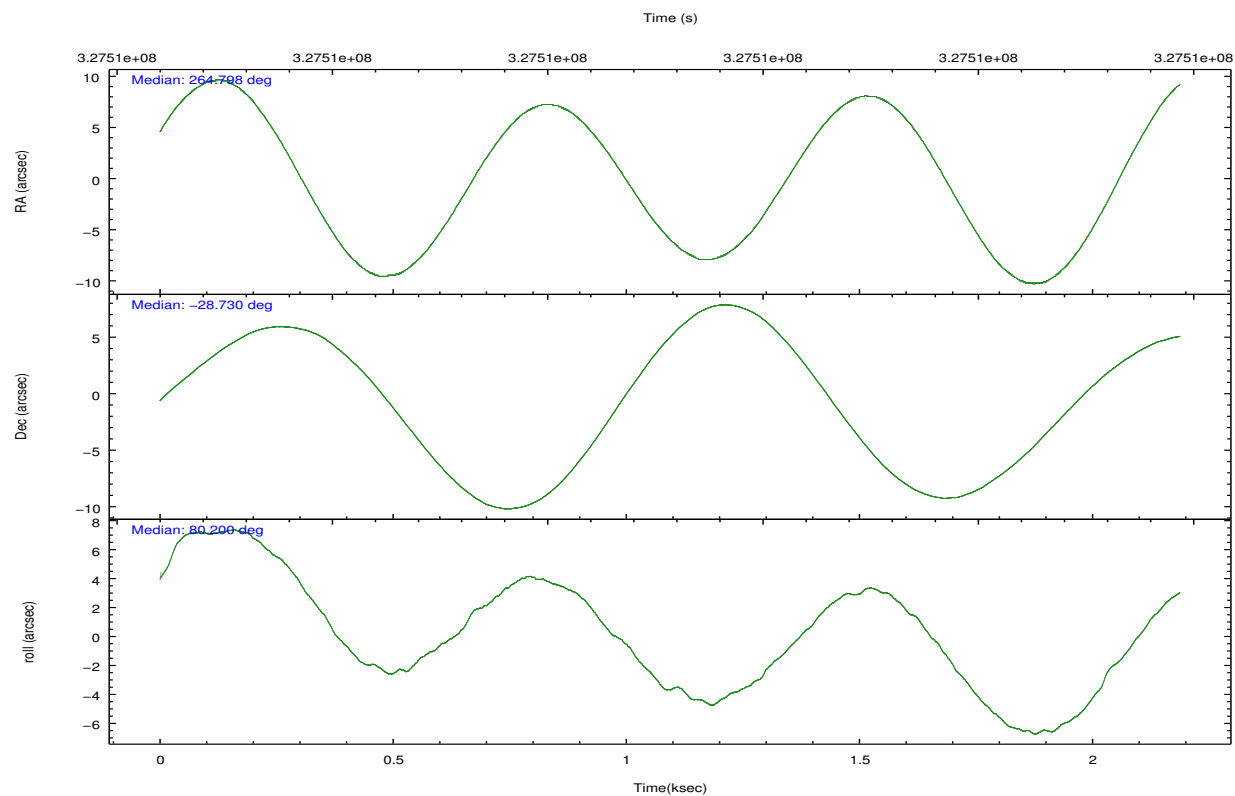
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	881	1136	965	1028	1040
	4%	5%	4%	5%	4%
grade 1 events	14	13	11	14	34
	0%	0%	0%	0%	0%
grade 2 events	535	559	542	439	2224
	2%	2%	2%	2%	9%
grade 3 events	260	258	244	211	1029
	1%	1%	1%	1%	4%
grade 4 events	227	237	211	244	958
	1%	1%	0%	1%	4%
grade 5 events	739	823	667	804	2292
	3%	4%	2%	4%	10%
grade 6 events	422	467	379	403	5470
	2%	2%	1%	2%	23%
grade 7 events	16716	16631	19321	16916	9815
	84%	82%	86%	84%	42%

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	264.808980	264.7980454196168	CCD I2 on	Y	Y
[deg] Pointing Dec	-28.755761	-28.7298676169616	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004698	80.208138840792	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)	327509884.184000	327509508.00996	CCD S5 on	N	N
Observation start date	2008-05-18T14:56:59	2008-05-18T14:51:48	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327511884.184000	327512018.23509	On-chip summing requested	N	N
Observation end date	2008-05-18T15:30:19	2008-05-18T15:33:38	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



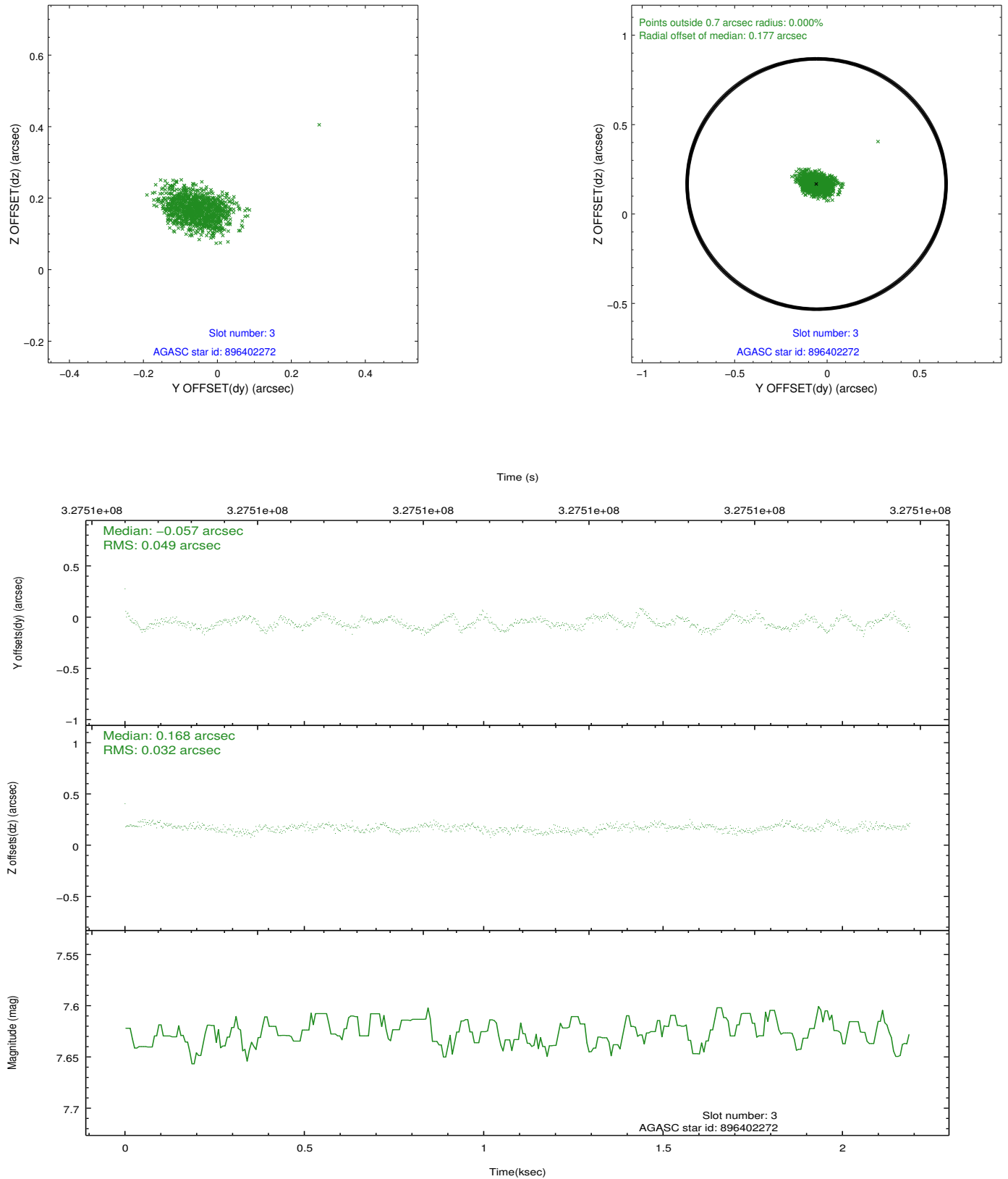


Slot Statistics

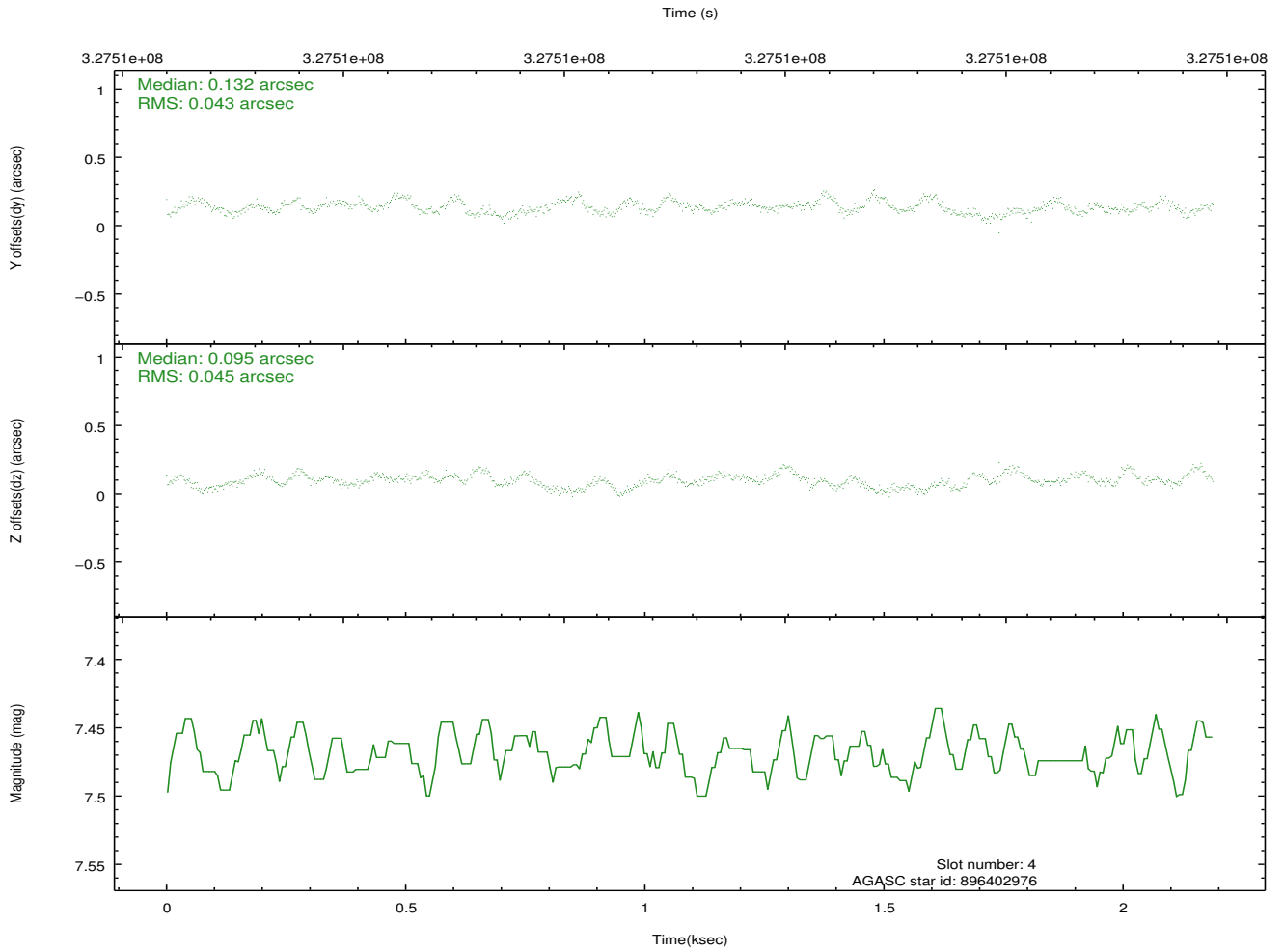
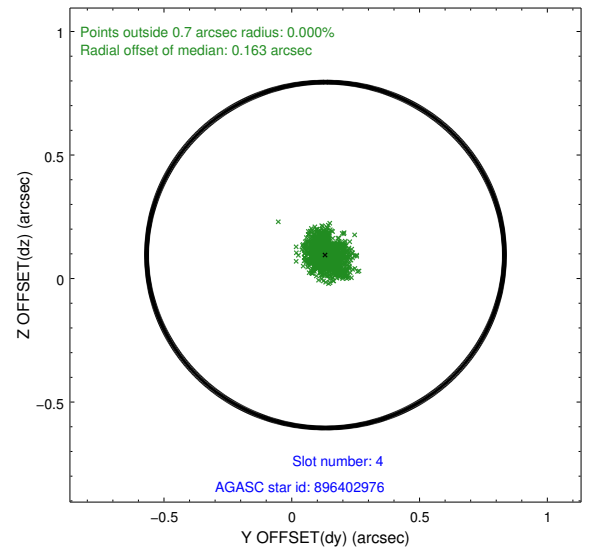
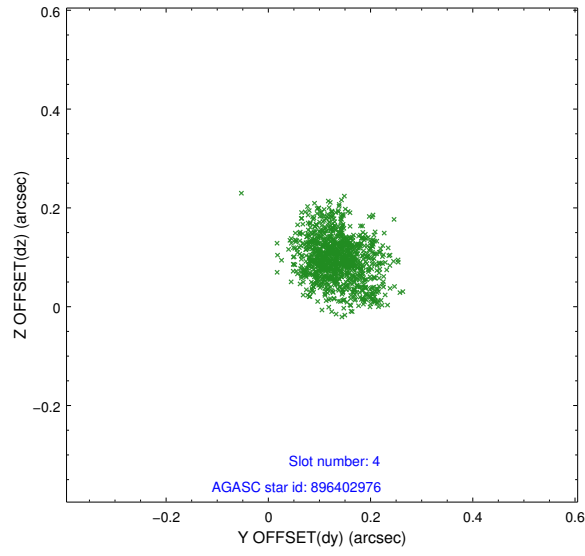
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.05	534	0.034	0.020	0.006	0.011	0.000000	0.000000	929.02	-835.90
1	FID	ACIS-I-5	7.04	534	-0.162	0.059	0.006	0.010	0.000000	0.000000	-1817.62	1060.16
2	FID	ACIS-I-6	7.05	534	0.037	-0.008	0.006	0.010	0.000000	0.000000	391.35	1707.96
3	GUIDE	896402272	7.63	1068	-0.057	0.168	0.062	0.096	265.637294	-28.313189	2015.93	-2310.13
4	GUIDE	896402976	7.47	1068	0.132	0.095	0.068	0.107	265.099474	-28.923203	-433.90	-1008.50
5	GUIDE	896403960	8.57	1062	-0.041	-0.045	0.060	0.094	264.379044	-28.245612	1568.72	1660.27
6	GUIDE	896405048	8.28	1067	-0.055	-0.146	0.052	0.083	264.482575	-28.152230	1959.58	1398.82
7	GUIDE	896406568	8.22	1067	0.015	-0.075	0.070	0.111	264.435951	-28.437282	923.84	1362.89

2.4 Star Slots

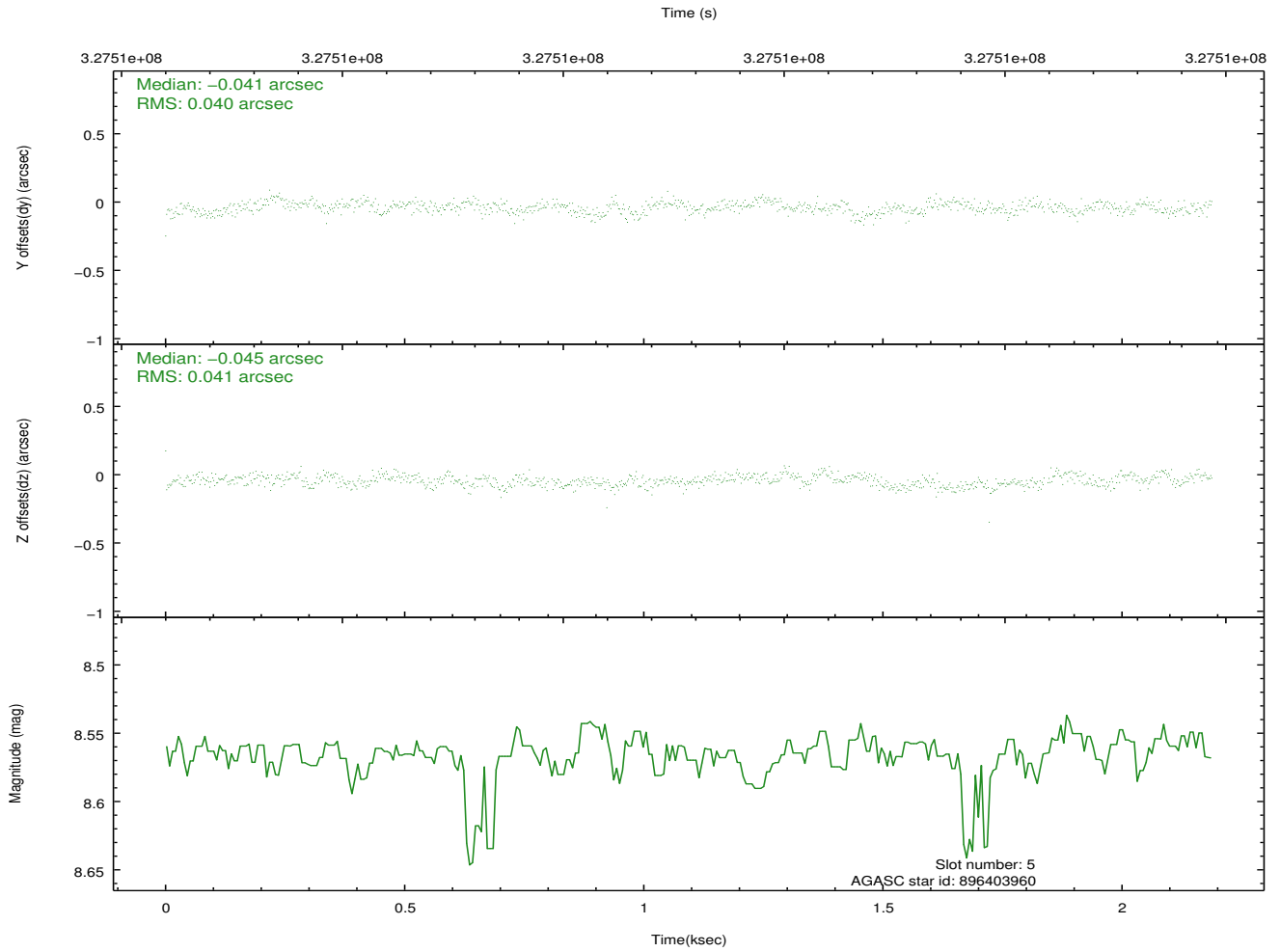
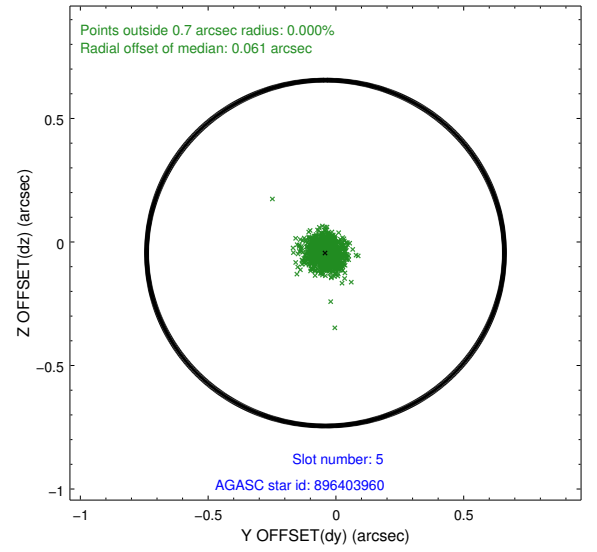
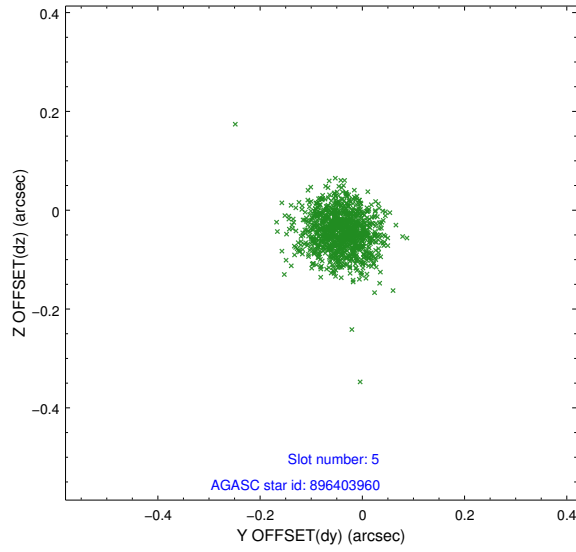
2.4.1 Slot 3



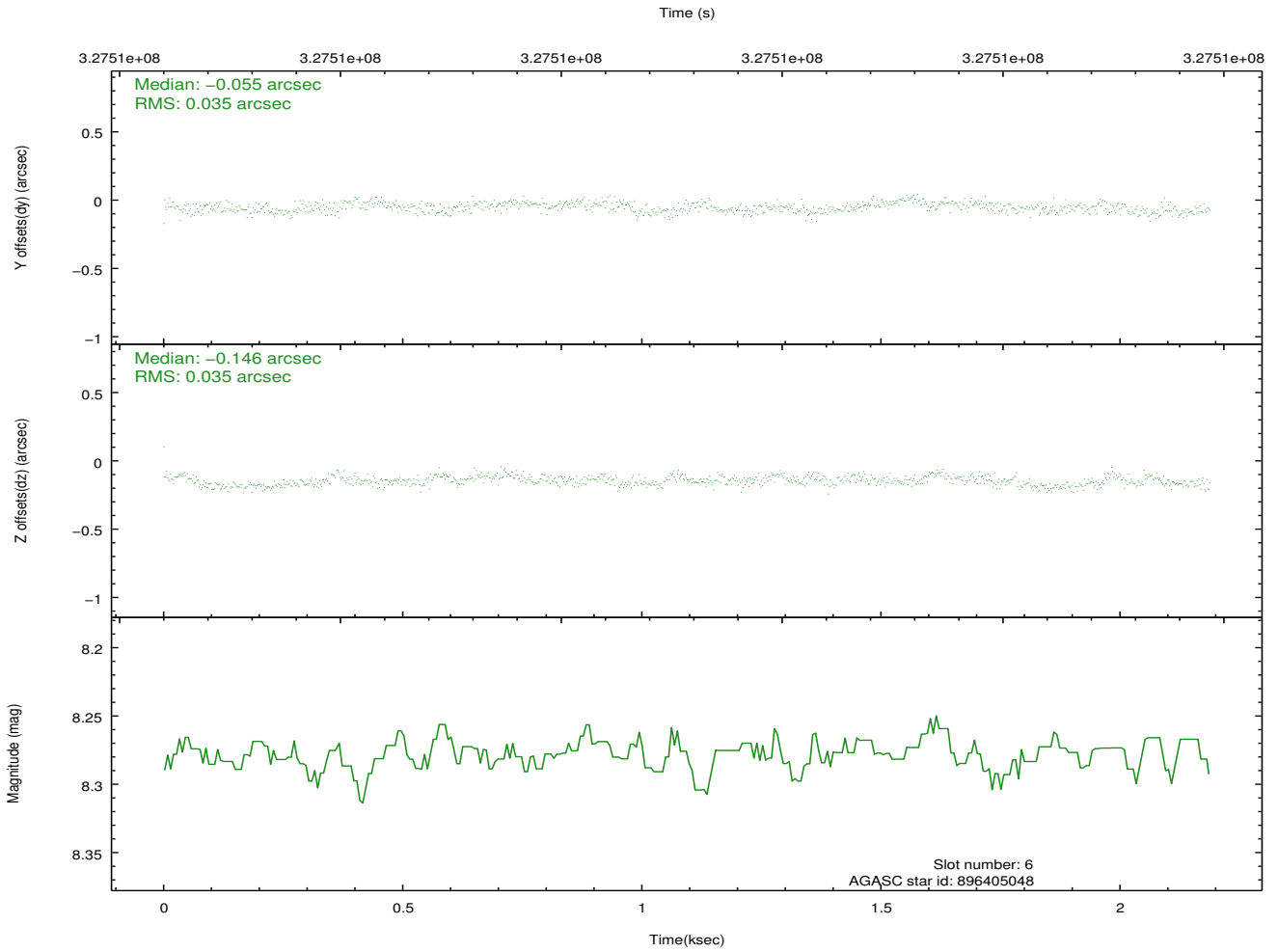
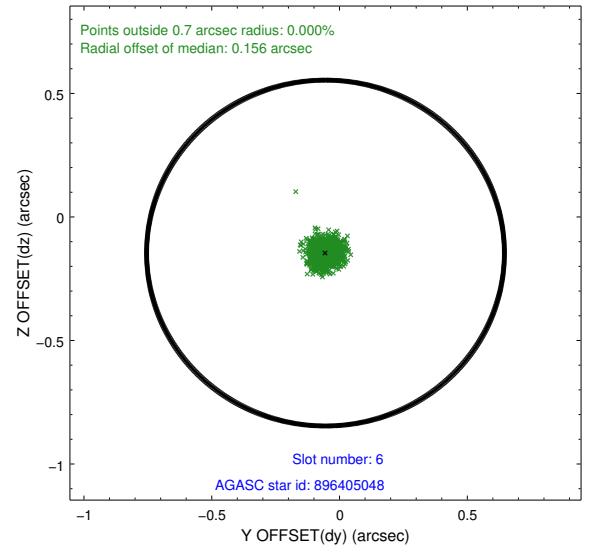
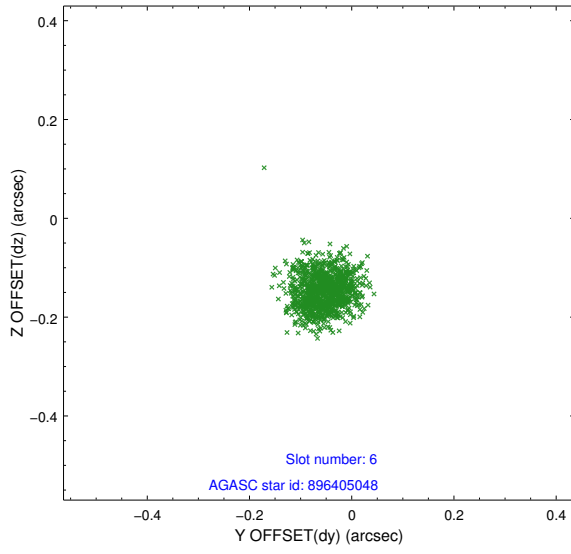
2.4.2 Slot 4



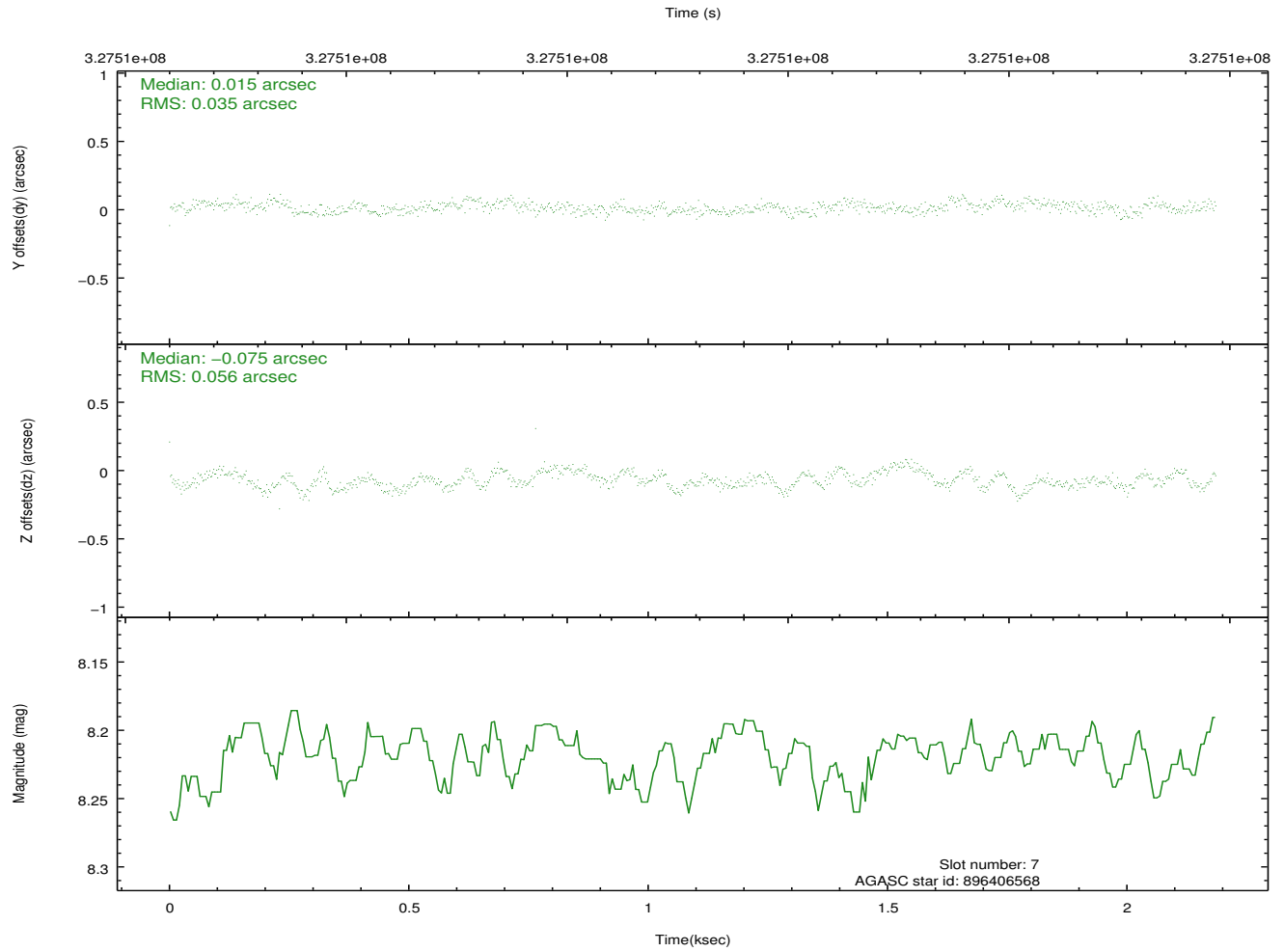
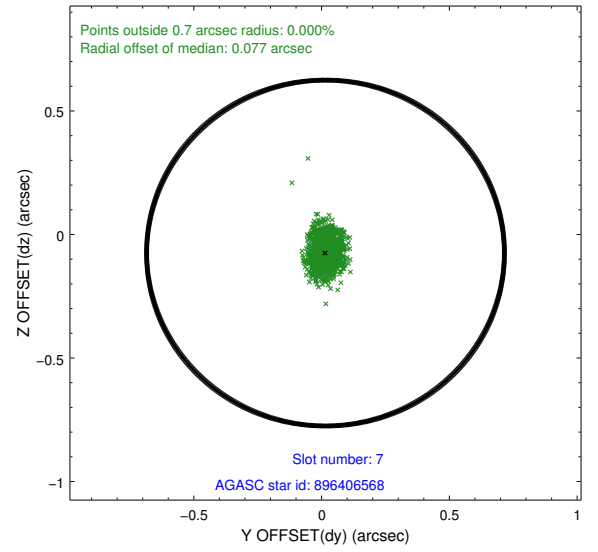
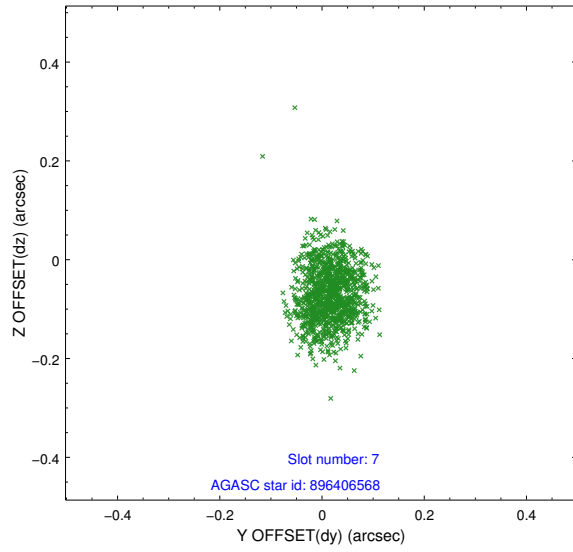
2.4.3 Slot 5



2.4.4 Slot 6

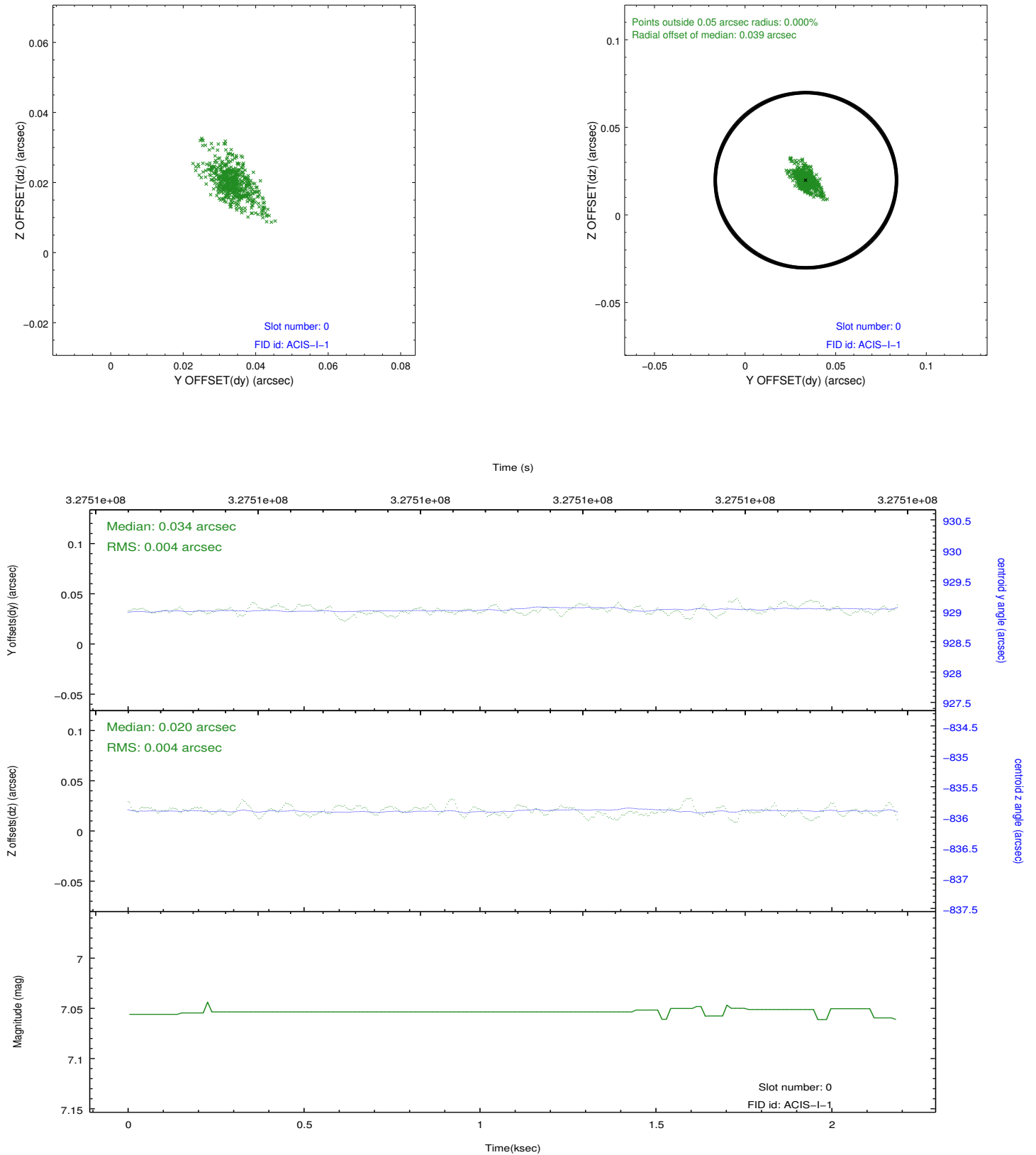


2.4.5 Slot 7

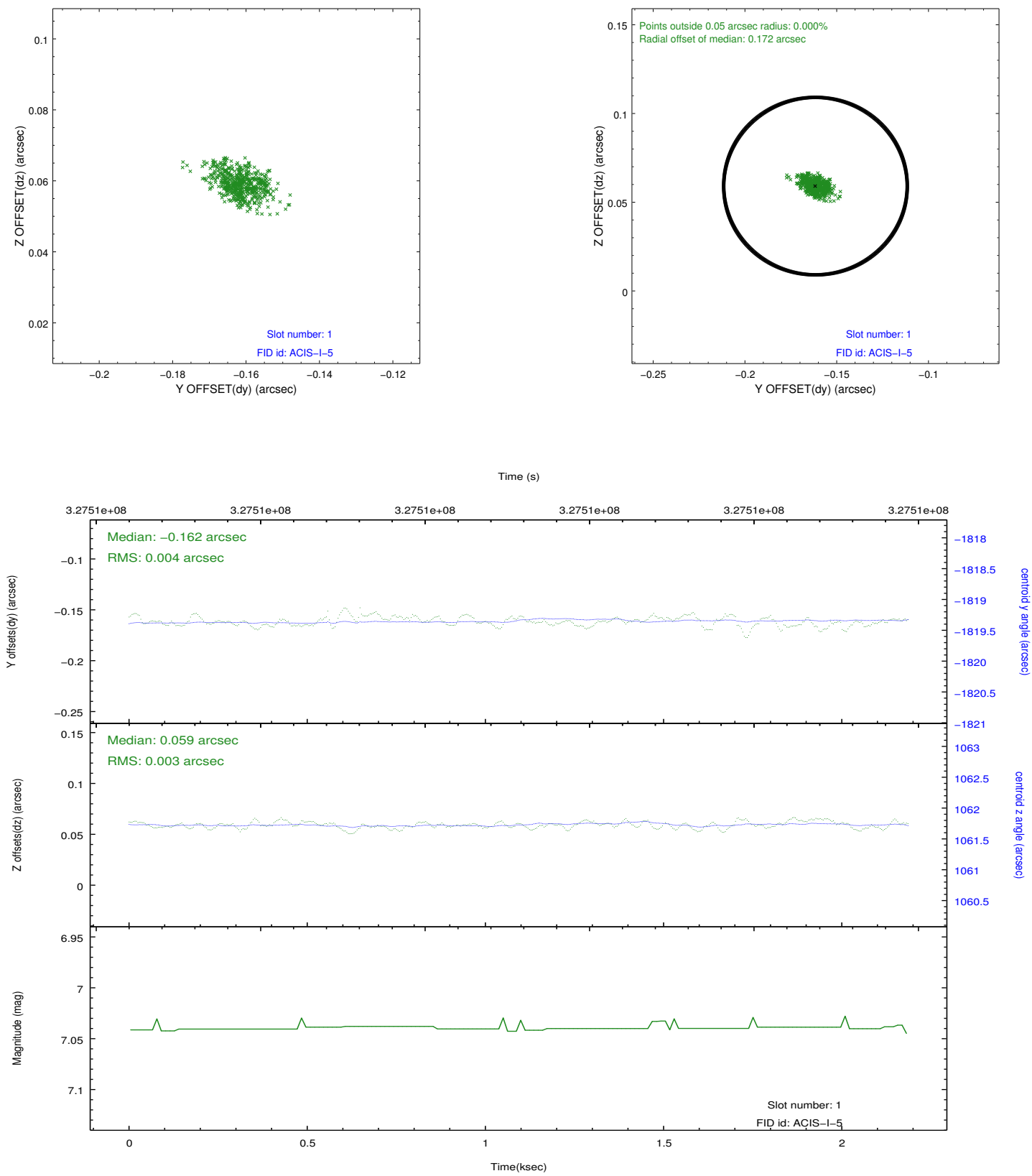


2.5 FID Slots

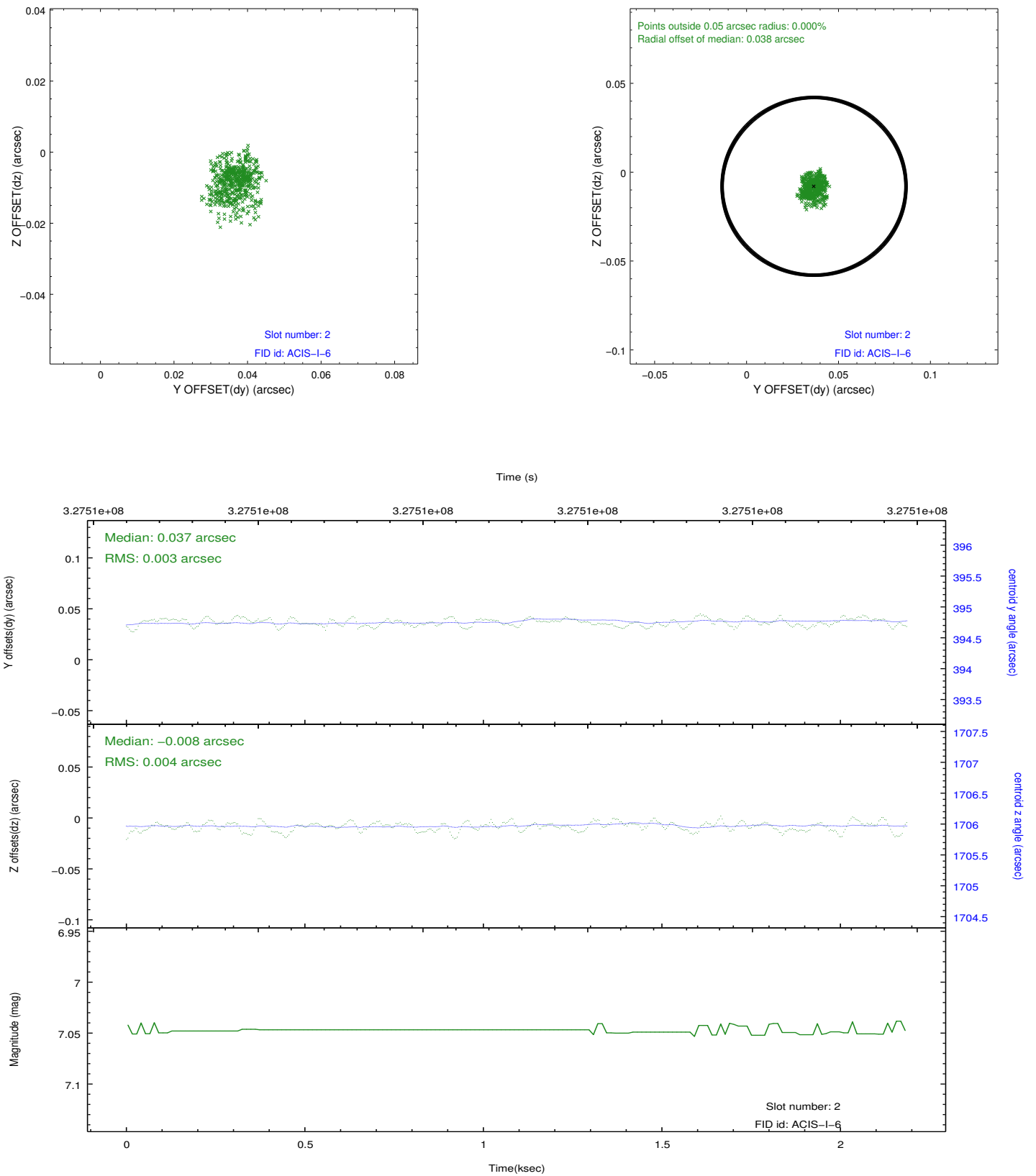
2.5.1 Slot 0



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	2.18860001

A.2 Comments