

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8686 - L2 Version 2
Chandra X-Ray Center

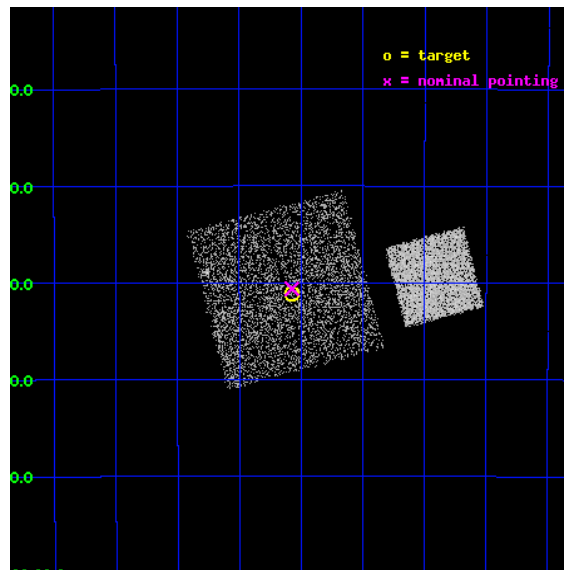
L2 Processing Date : May 15 2012

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1 Front

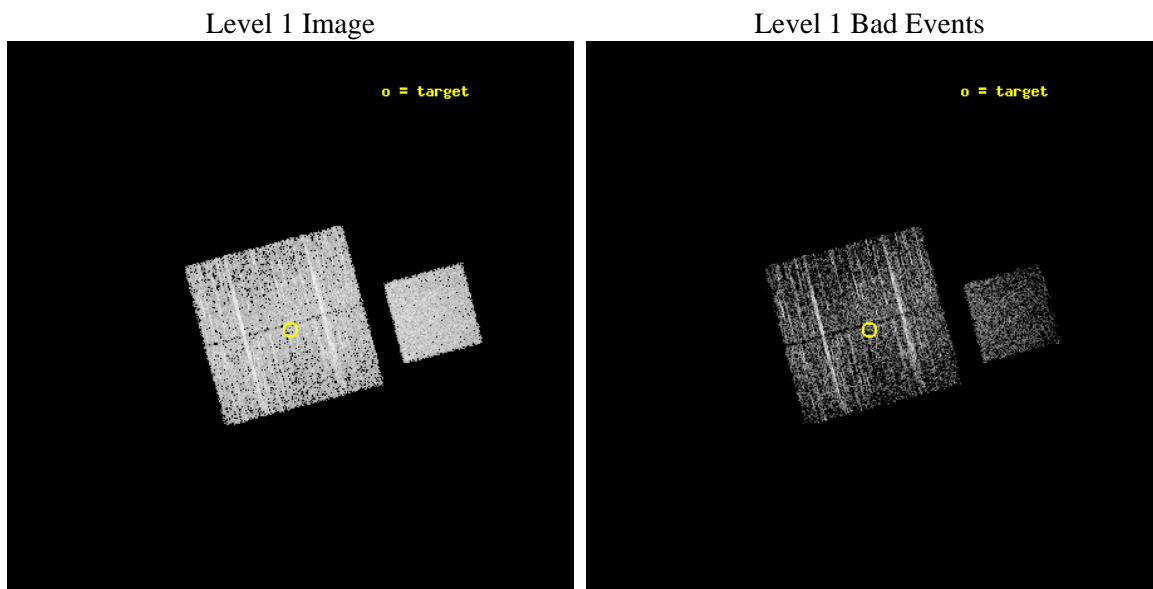
seq_num	400737	Sequence number
obs_id	8686	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	Prof Mariano Mendez	Principal investigator
object	GBSGTO4	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	263.768928	Observer's specified target RA [deg]
dec_targ	-30.518809	Observer's specified target Dec [deg]
ra_nom	263.76844530903	Nominal RA [deg]
dec_nom	-30.510564413314	Nominal Dec [deg]
roll_nom	75.208466267741	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2173.0590264201	Sum of GTIs [s]
livetime	2144.6664104572	Livetime [s]
ontime0	2173.0590264201	Sum of GTIs [s]
ontime1	2176.200016737	Sum of GTIs [s]
ontime2	2176.200016737	Sum of GTIs [s]
ontime3	2173.0590264201	Sum of GTIs [s]
ontime7	2176.200016737	Sum of GTIs [s]
l2events	15108	Number of level 2 events



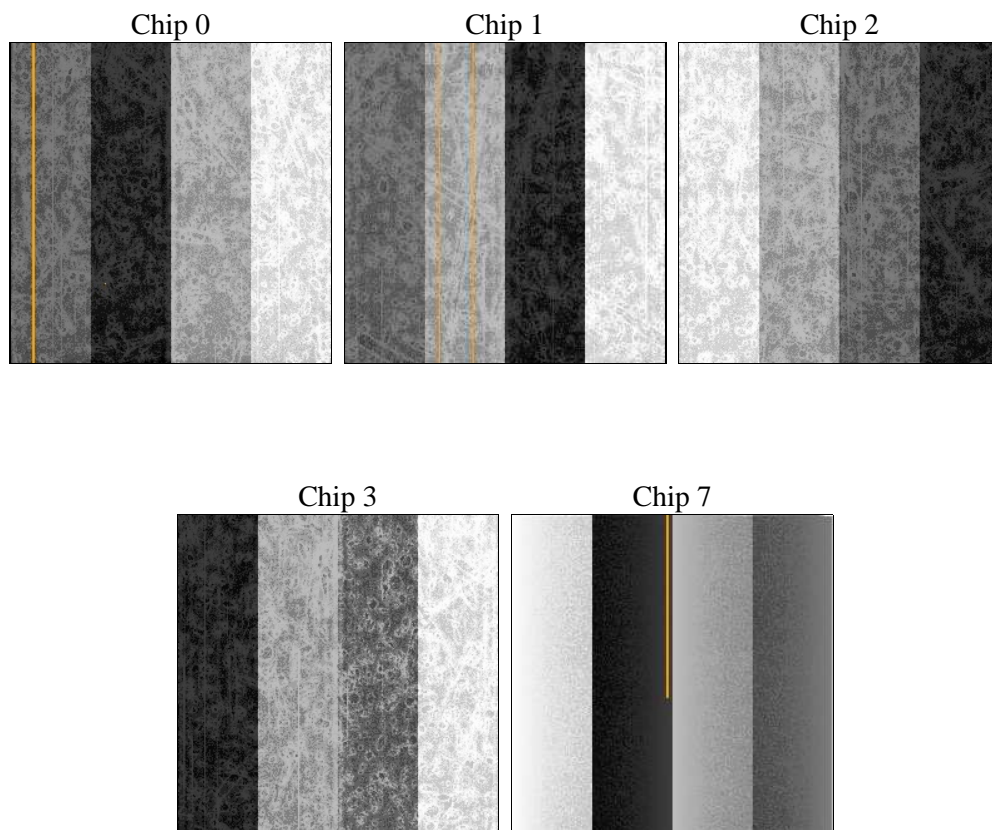
2 OBI

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	2173.0590264201	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	2173.0590264201	Sum of GTIs [s]
date	2012-05-15T14:54:02	Date and time of file creation	ontime1	2176.200016737	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2176.200016737	Sum of GTIs [s]
			ontime3	2173.0590264201	Sum of GTIs [s]
			ontime7	2176.200016737	Sum of GTIs [s]
			l1events	93425	Number of level 1 events

2.1.4 Events

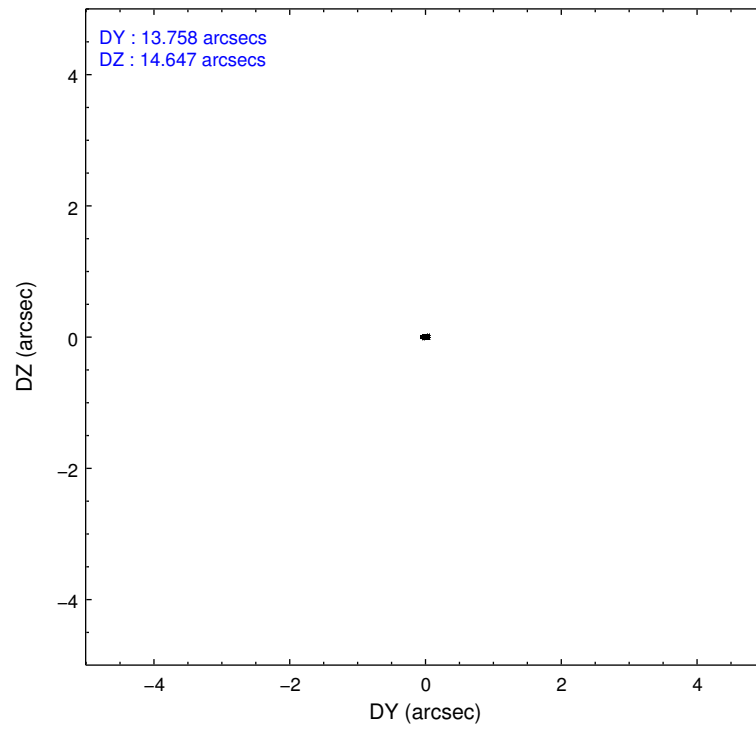
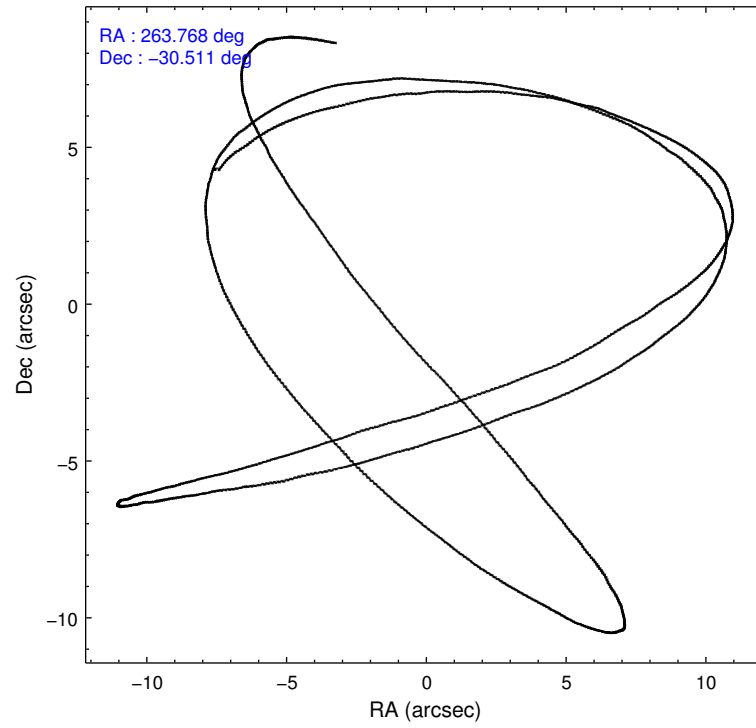
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	17537	18104	19851	16860	21073
rejected events	15603	16017	17904	15078	12198
rejected %	88%	88%	90%	89%	57%

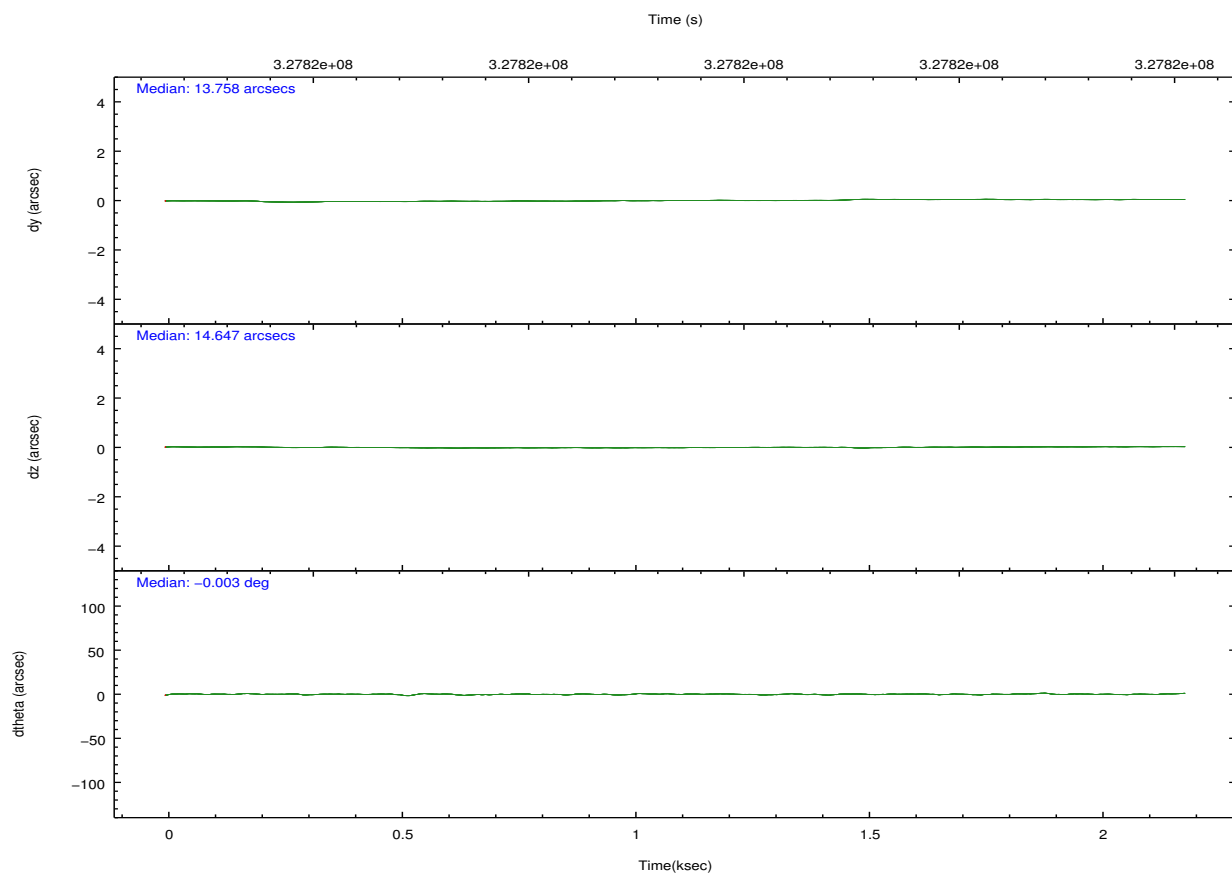
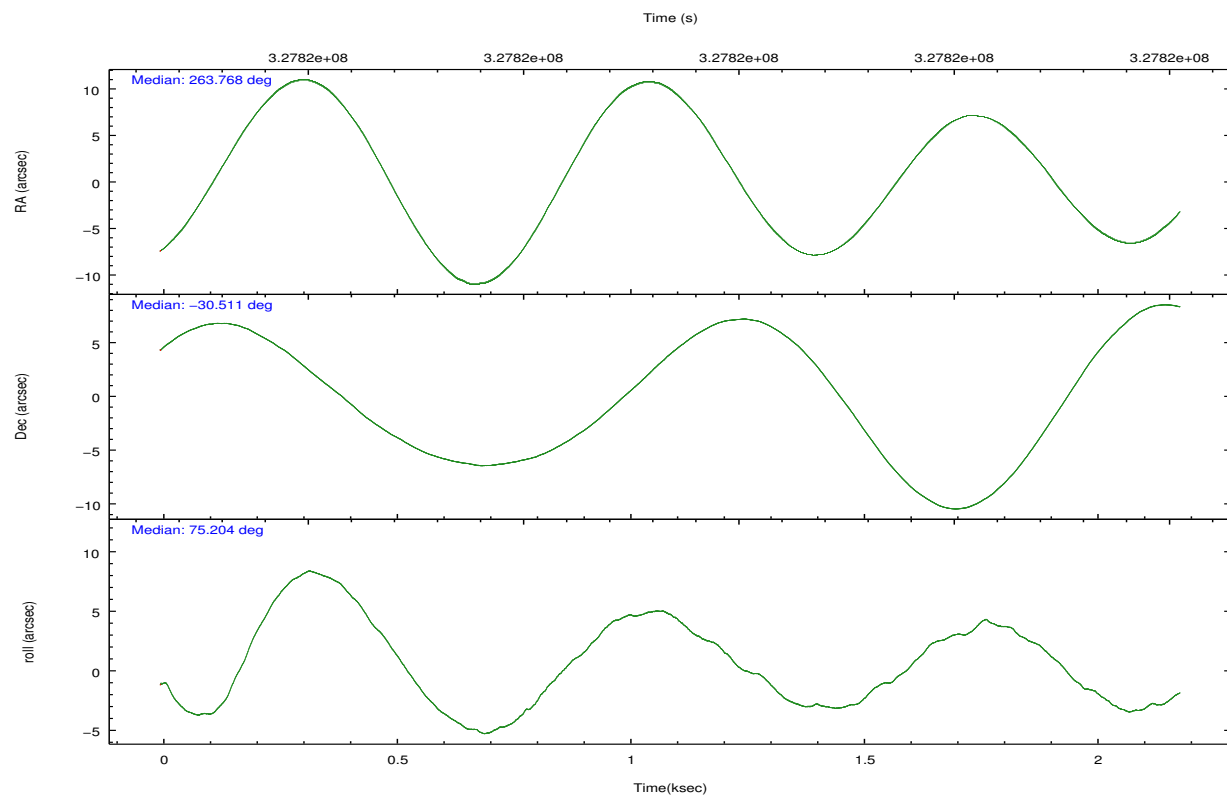
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	868	956	842	763	926
	4%	5%	4%	4%	4%
grade 1 events	6	6	16	18	24
	0%	0%	0%	0%	0%
grade 2 events	489	475	500	405	2018
	2%	2%	2%	2%	9%
grade 3 events	231	201	253	204	876
	1%	1%	1%	1%	4%
grade 4 events	182	218	204	216	857
	1%	1%	1%	1%	4%
grade 5 events	683	690	591	710	2153
	3%	3%	2%	4%	10%
grade 6 events	336	442	319	347	5004
	1%	2%	1%	2%	23%
grade 7 events	14742	15116	17126	14197	9215
	84%	83%	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	263.777016	263.7684453090282	CCD I2 on	Y	Y
[deg] Pointing Dec	-30.537246	-30.51056441331425	CCD I3 on	Y	Y
[deg] Pointing Roll	75.004114	75.20846626774077	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)	327814928.184000	327814552.12484	CCD S5 on	N	N
Observation start date	2008-05-22T03:41:03	2008-05-22T03:35:52	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327816928.184000	327817525.13749	On-chip summing requested	N	N
Observation end date	2008-05-22T04:14:23	2008-05-22T04:25:25	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



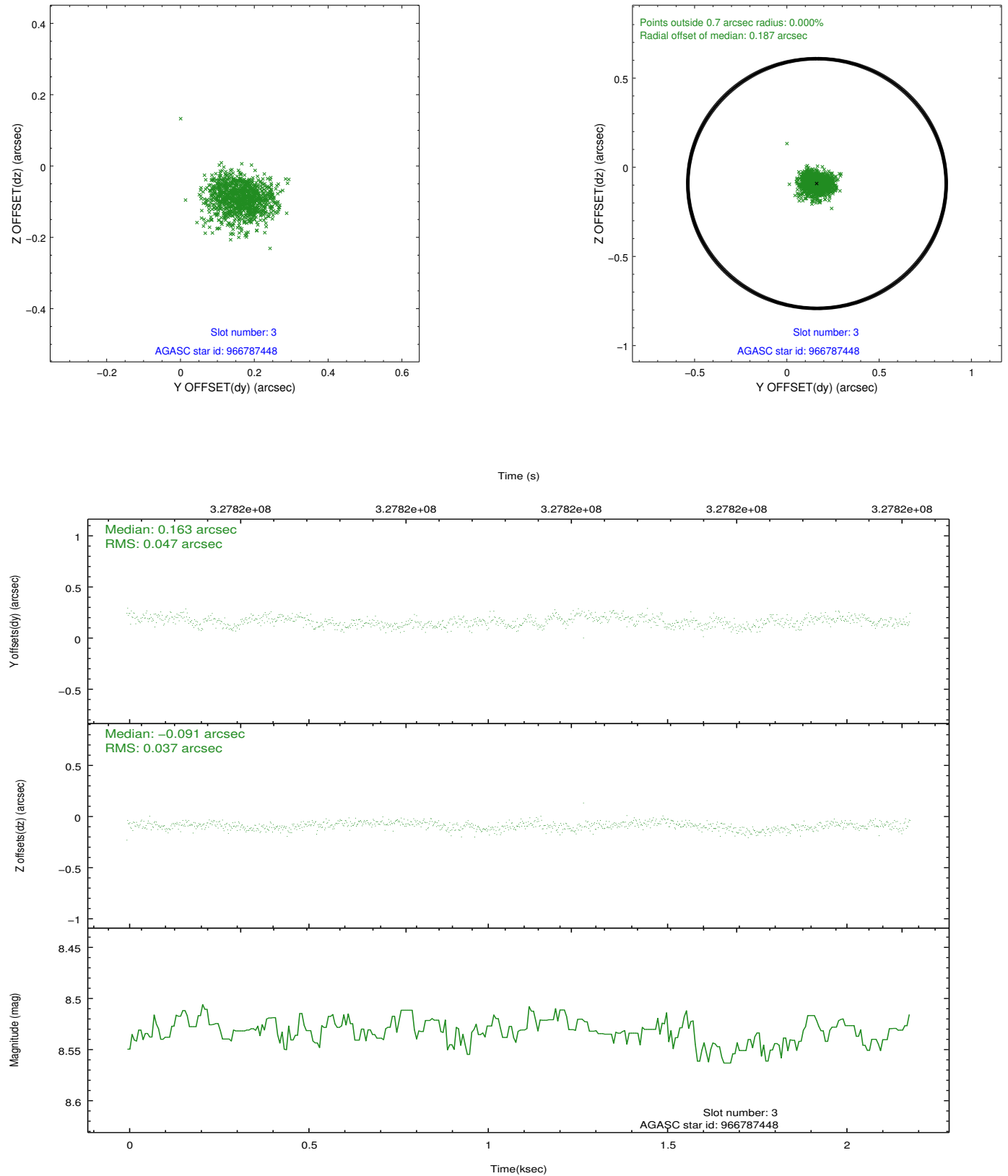


Slot Statistics

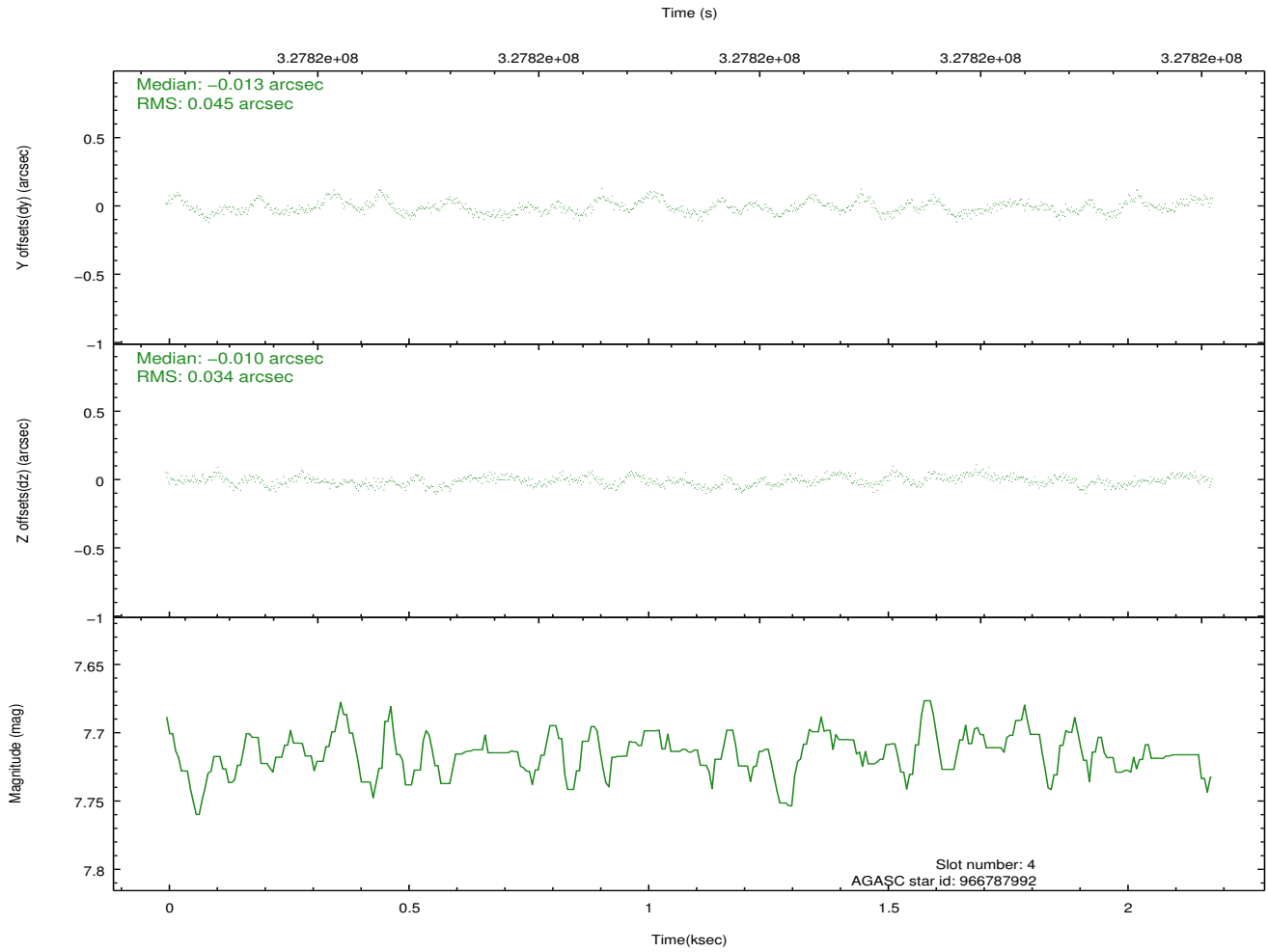
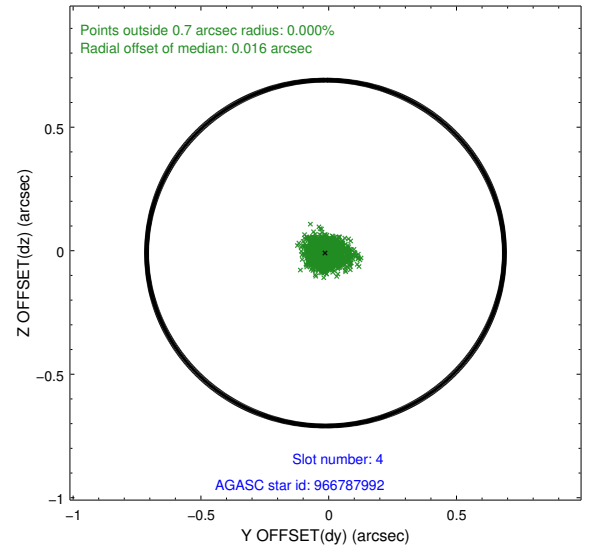
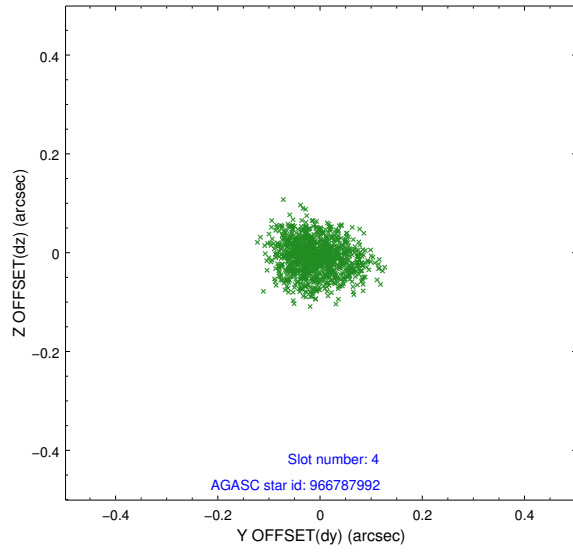
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.03	533	0.016	0.021	0.006	0.010	0.000000	0.000000	925.76	-838.20
1	FID	ACIS-I-5	7.03	532	-0.204	0.026	0.005	0.009	0.000000	0.000000	-1820.94	1057.75
2	FID	ACIS-I-6	7.04	533	0.097	0.023	0.006	0.010	0.000000	0.000000	388.10	1705.67
3	GUIDE	966787448	8.53	1065	0.163	-0.091	0.064	0.101	263.341993	-31.095036	-2289.47	774.63
4	GUIDE	966787992	7.72	1066	-0.013	-0.010	0.061	0.097	263.507229	-30.411177	218.08	926.69
5	GUIDE	966791064	7.77	1066	-0.020	0.107	0.052	0.082	263.920275	-30.338943	804.28	-244.56
6	GUIDE	966663320	8.36	1066	-0.123	-0.240	0.083	0.129	263.144579	-30.119819	936.49	2289.05
7	GUIDE	966790696	8.41	1065	-0.014	0.246	0.098	0.159	264.462516	-30.909486	-752.20	-2391.60

2.4 Star Slots

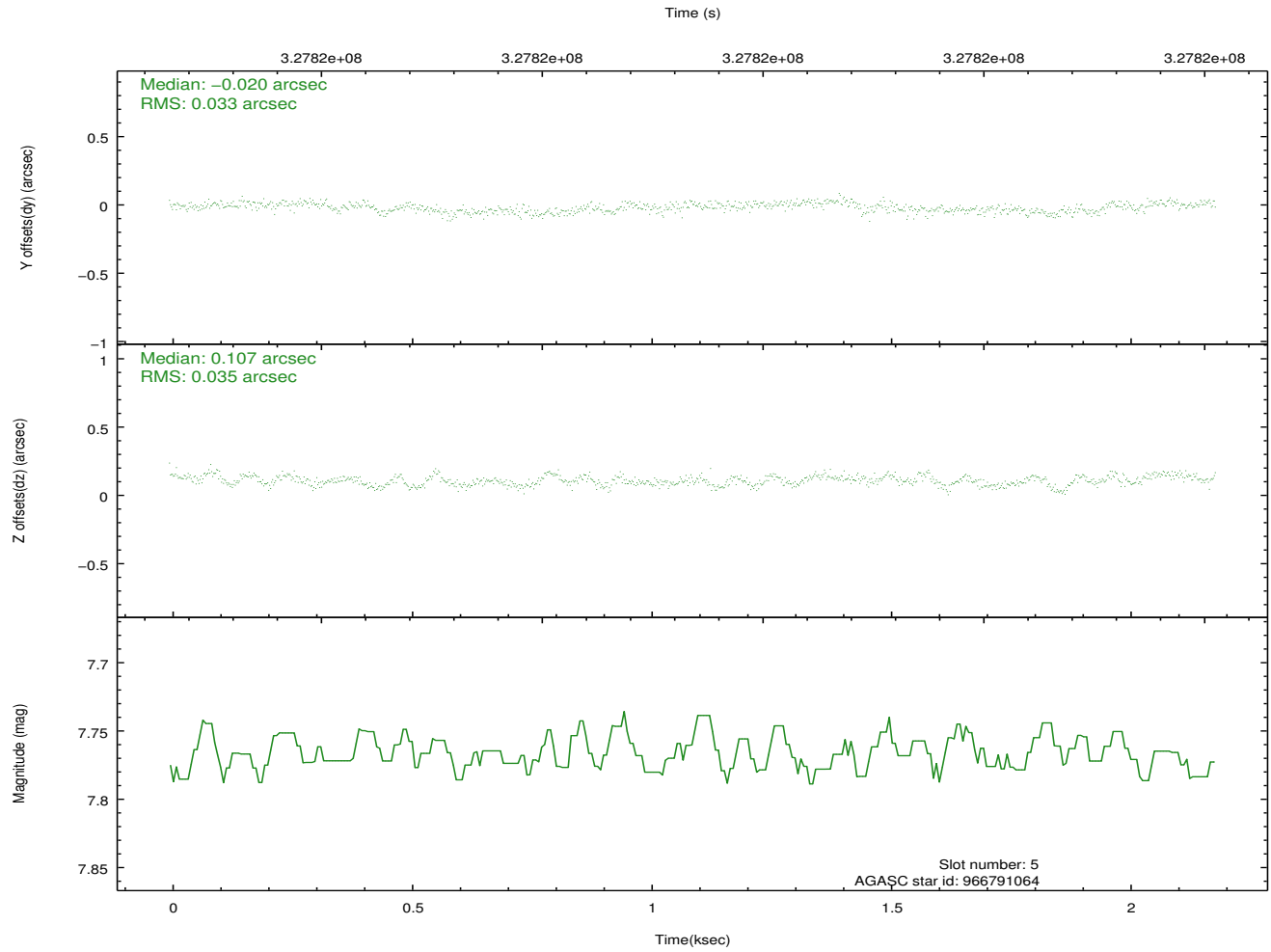
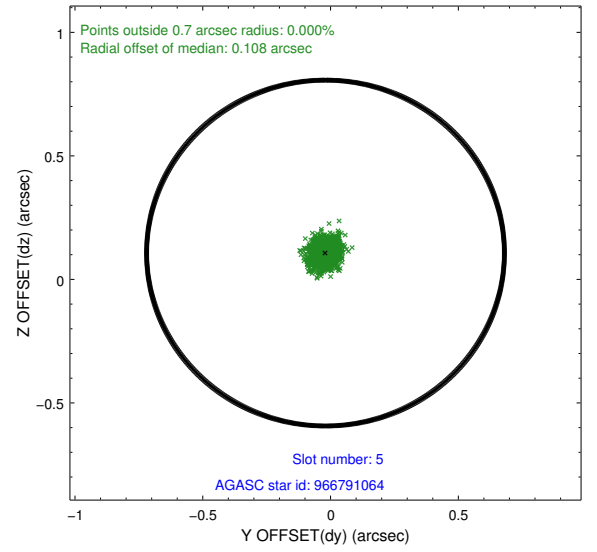
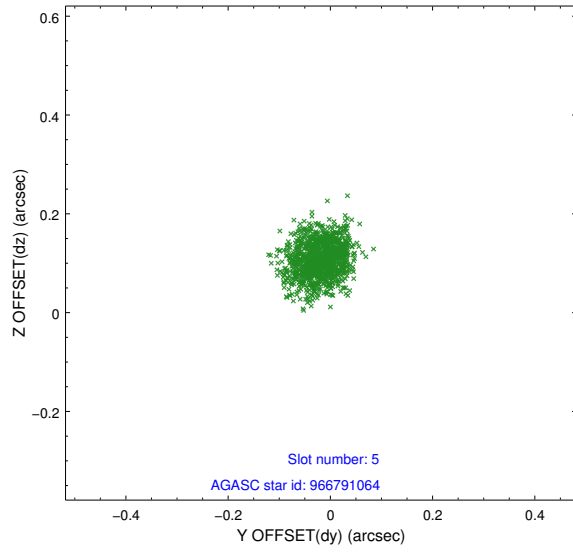
2.4.1 Slot 3



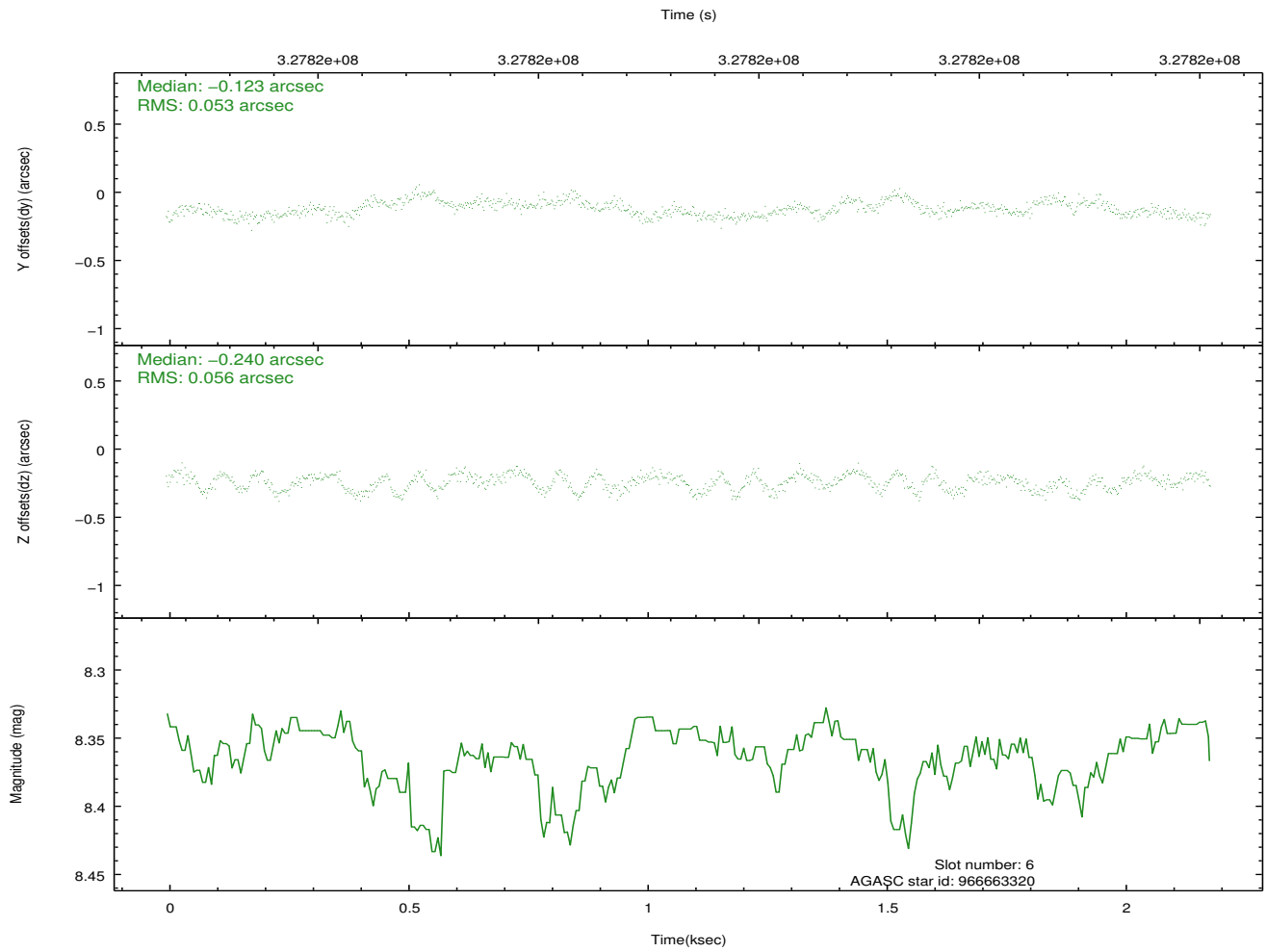
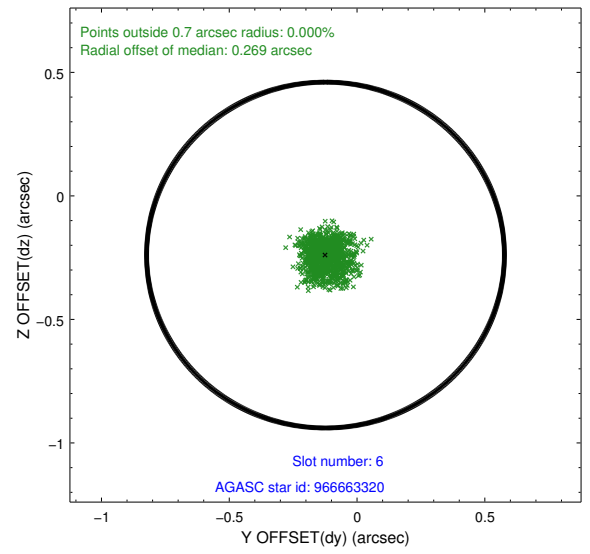
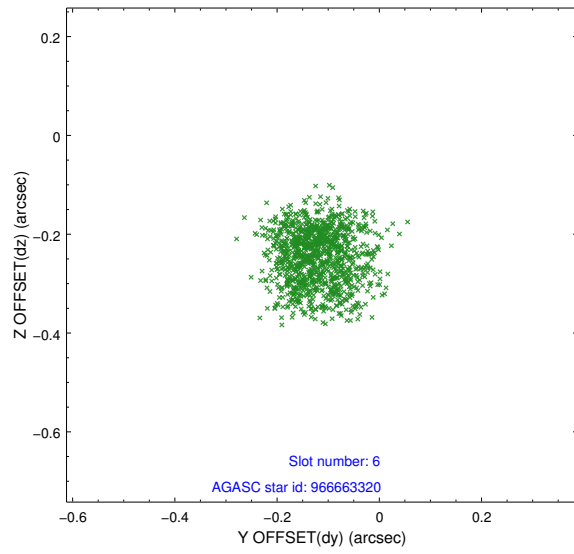
2.4.2 Slot 4



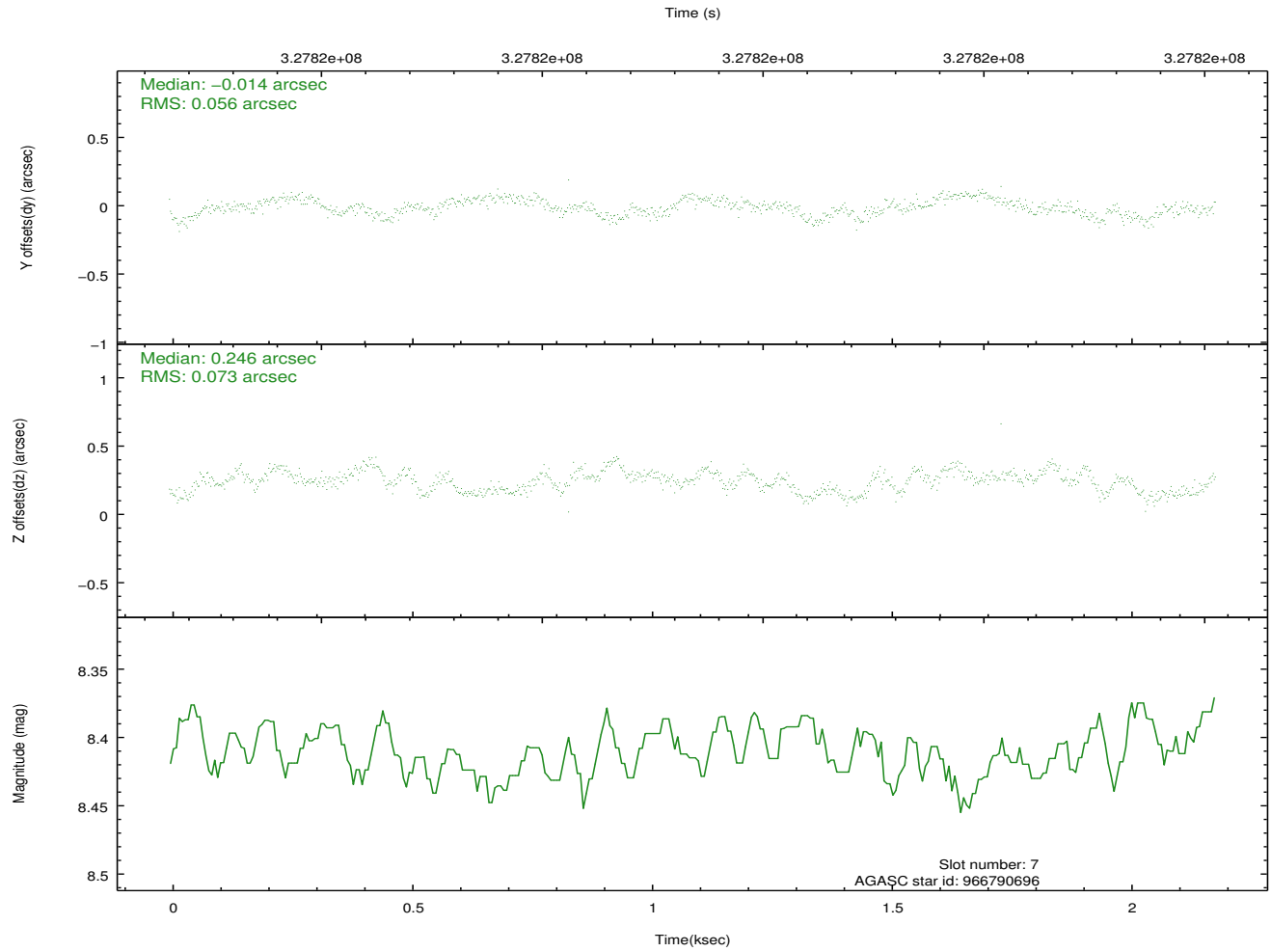
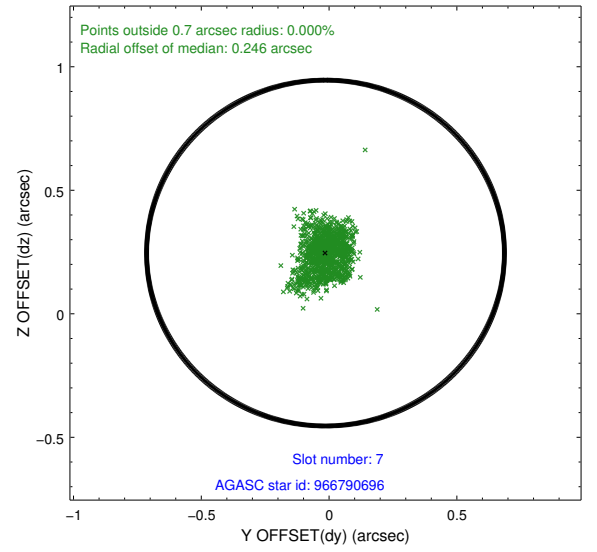
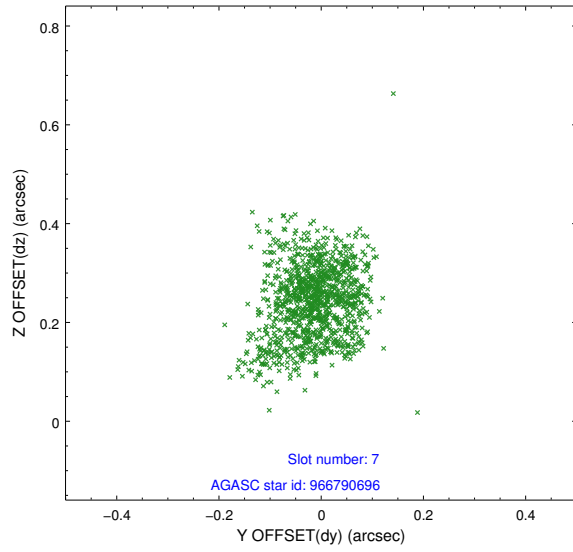
2.4.3 Slot 5



2.4.4 Slot 6

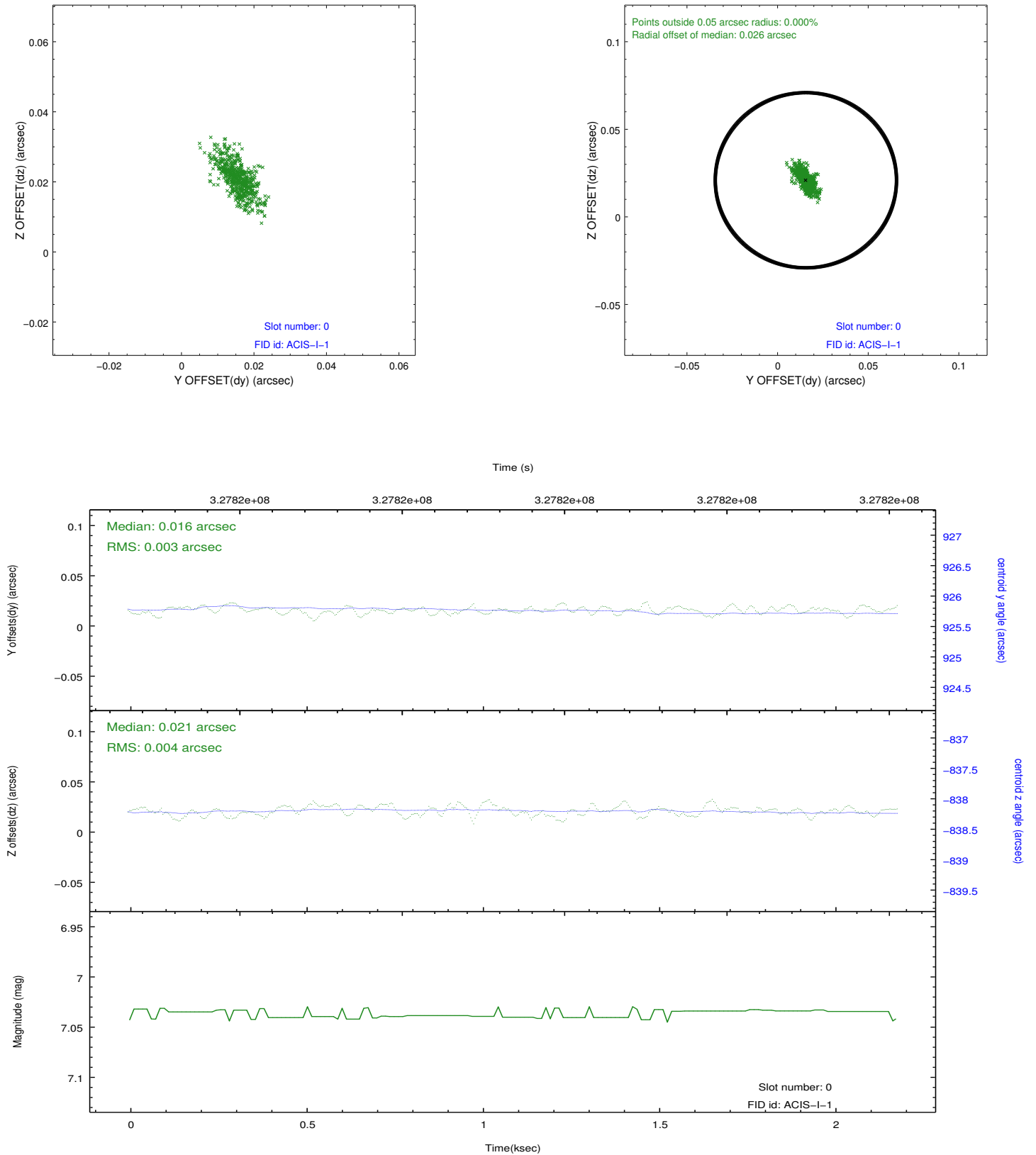


2.4.5 Slot 7

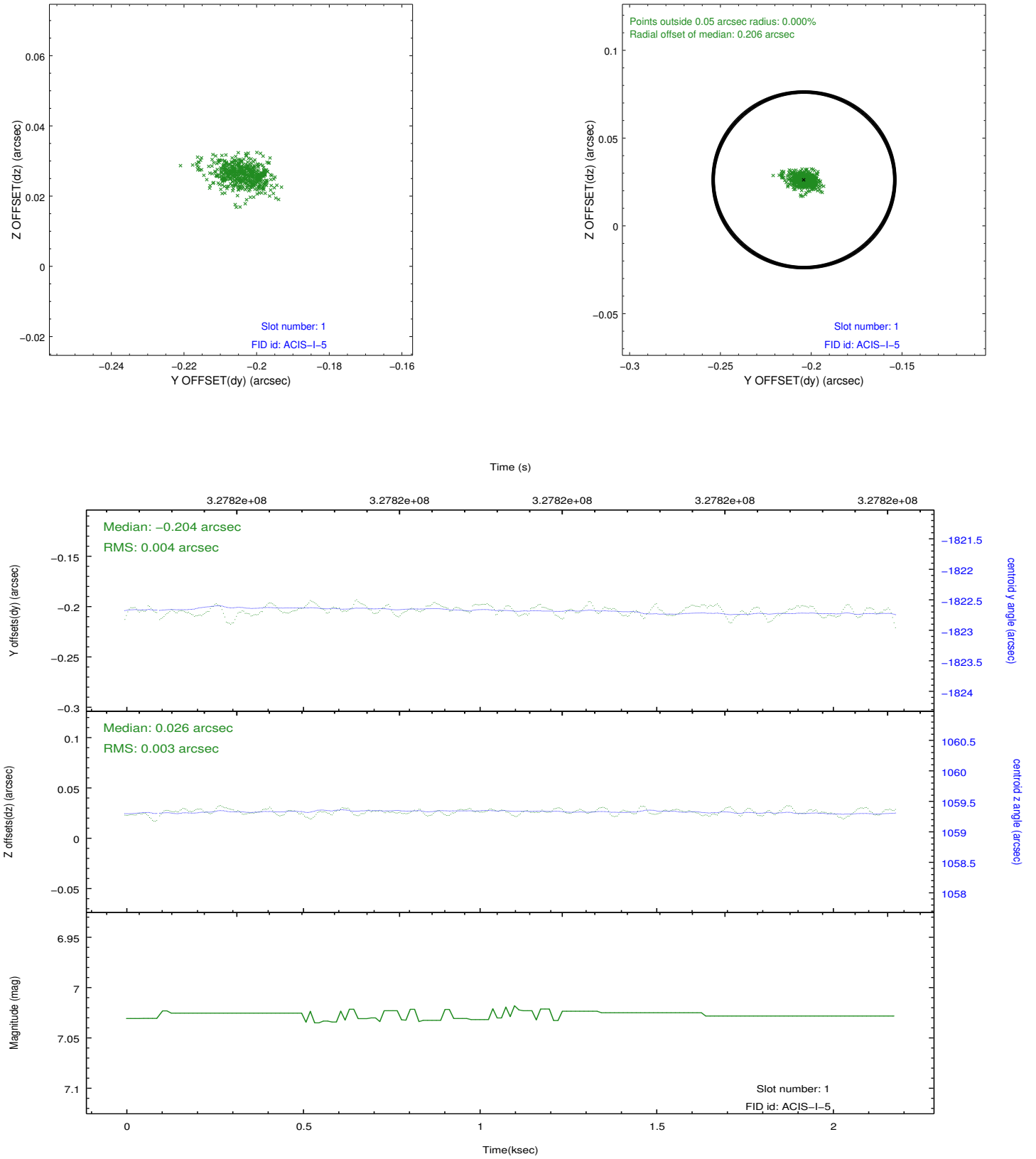


2.5 FID Slots

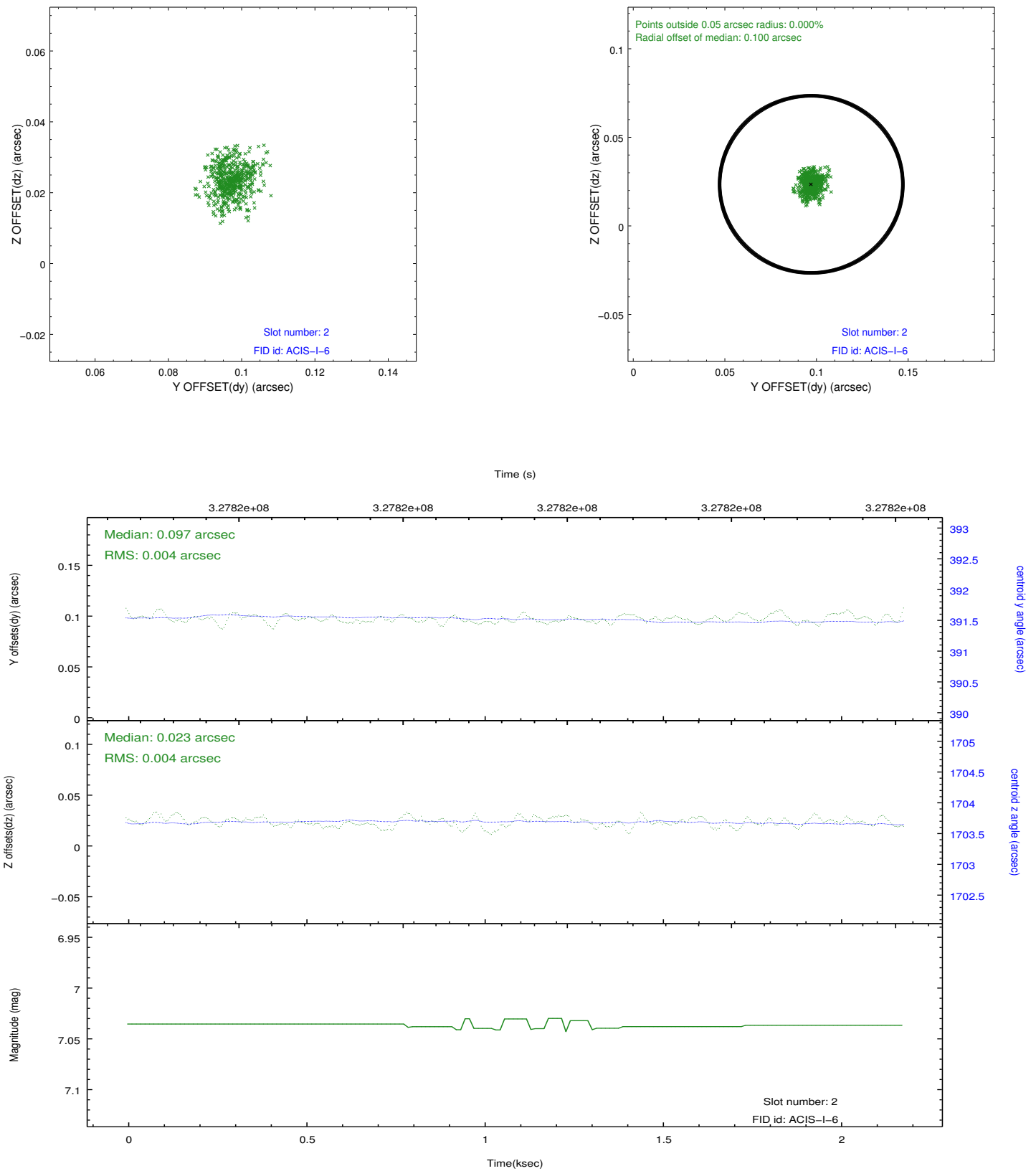
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.05.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.17305902

A.2 Comments