

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8664 - L2 Version 2
Chandra X-Ray Center

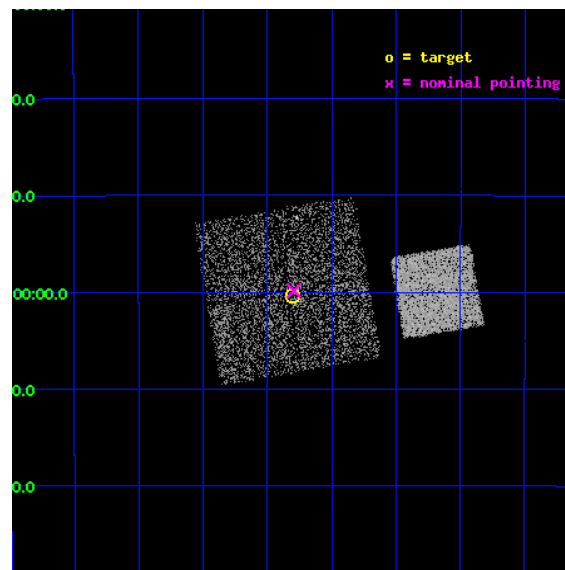
L2 Processing Date : May 15 2012

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1 Front

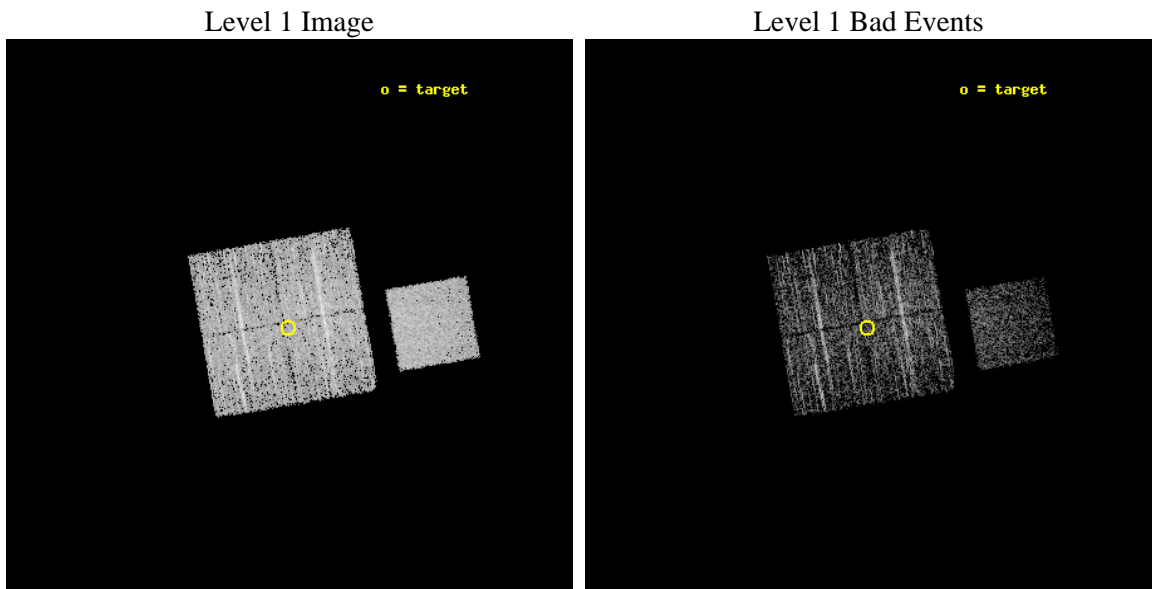
seq_num	400715	Sequence number
obs_id	8664	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	Prof Mariano Mendez	Principal investigator
object	GBSGTO2	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.699657	Observer's specified target RA [deg]
dec_targ	-26.005889	Observer's specified target Dec [deg]
ra_nom	266.69843655087	Nominal RA [deg]
dec_nom	-25.997767775593	Nominal Dec [deg]
roll_nom	80.208169531532	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	16038	Number of level 2 events



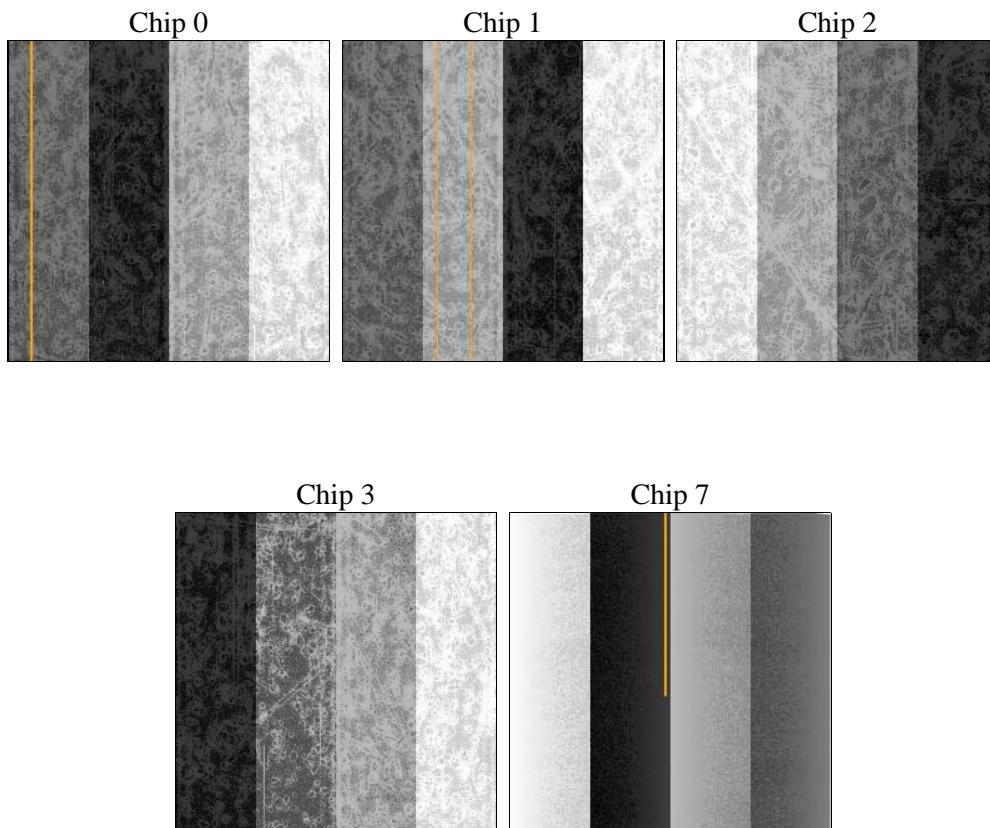
2 OBI

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	2012-05-15T02:54:09	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	102871	Number of level 1 events

2.1.4 Events

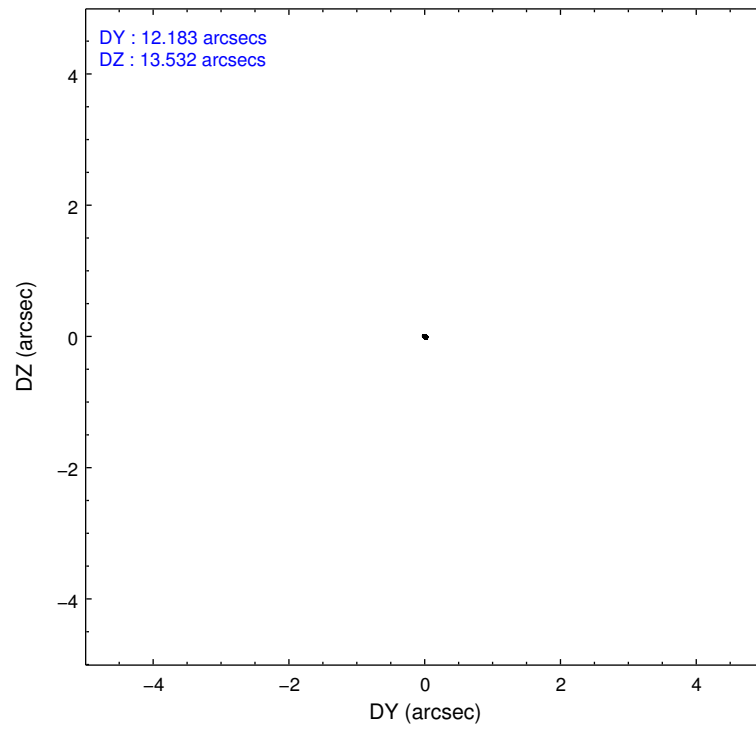
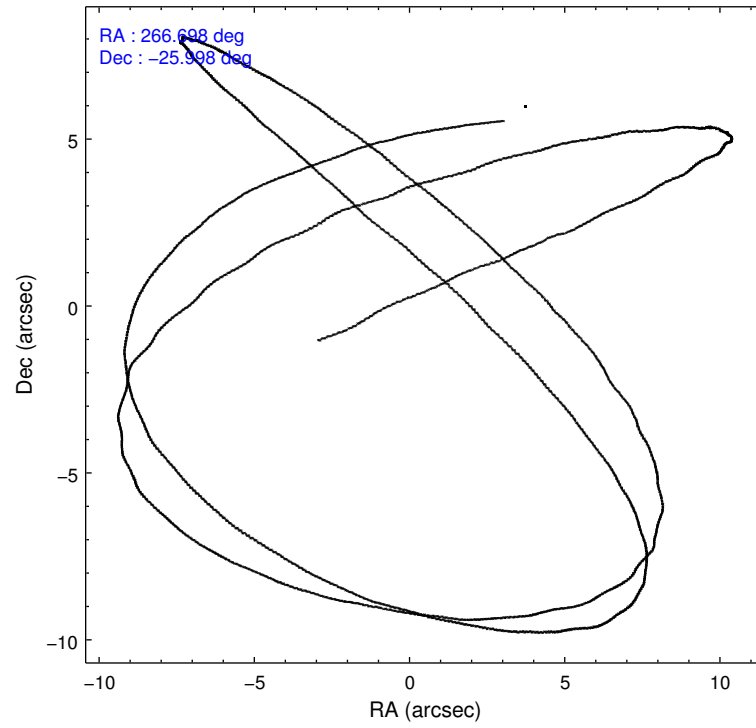
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	18873	19749	21741	19999	22509
rejected events	16896	17442	19652	18015	13183
rejected %	89%	88%	90%	90%	58%

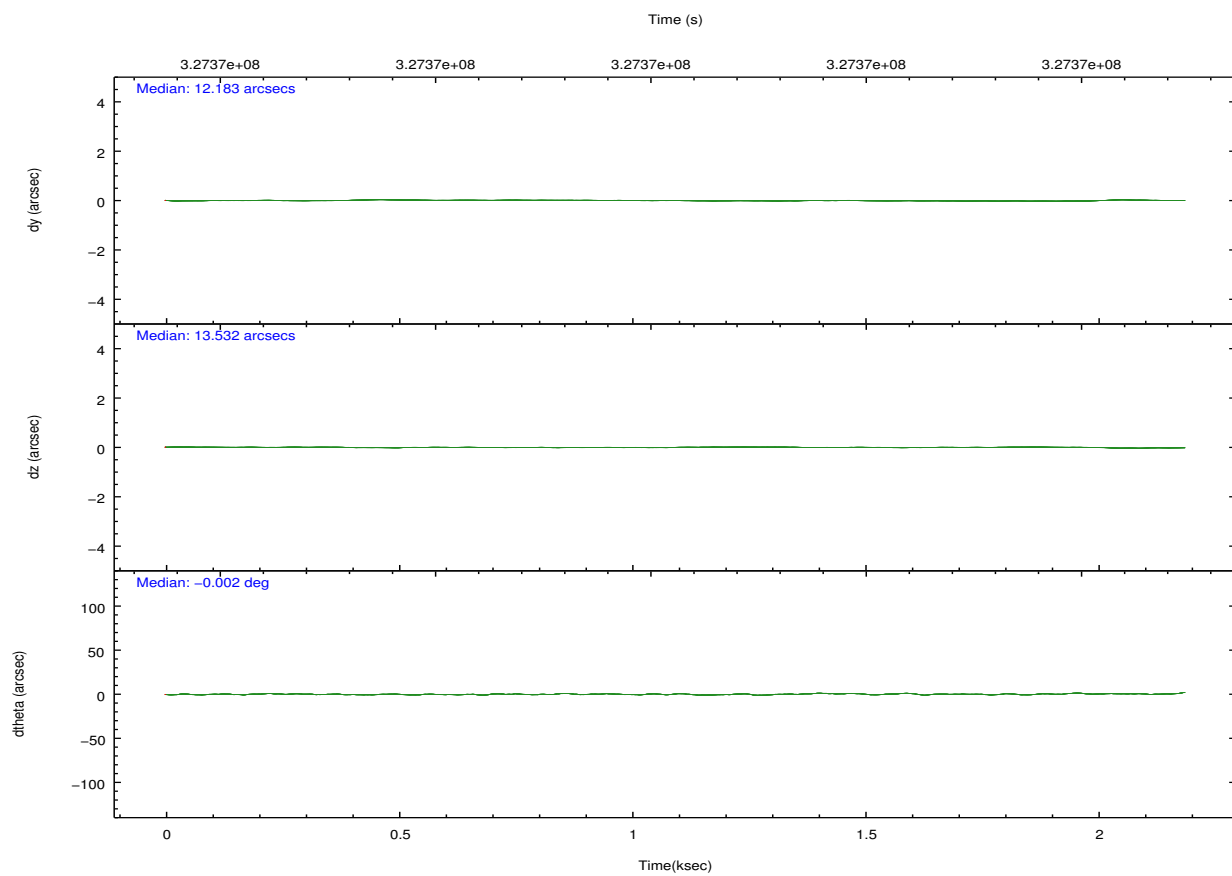
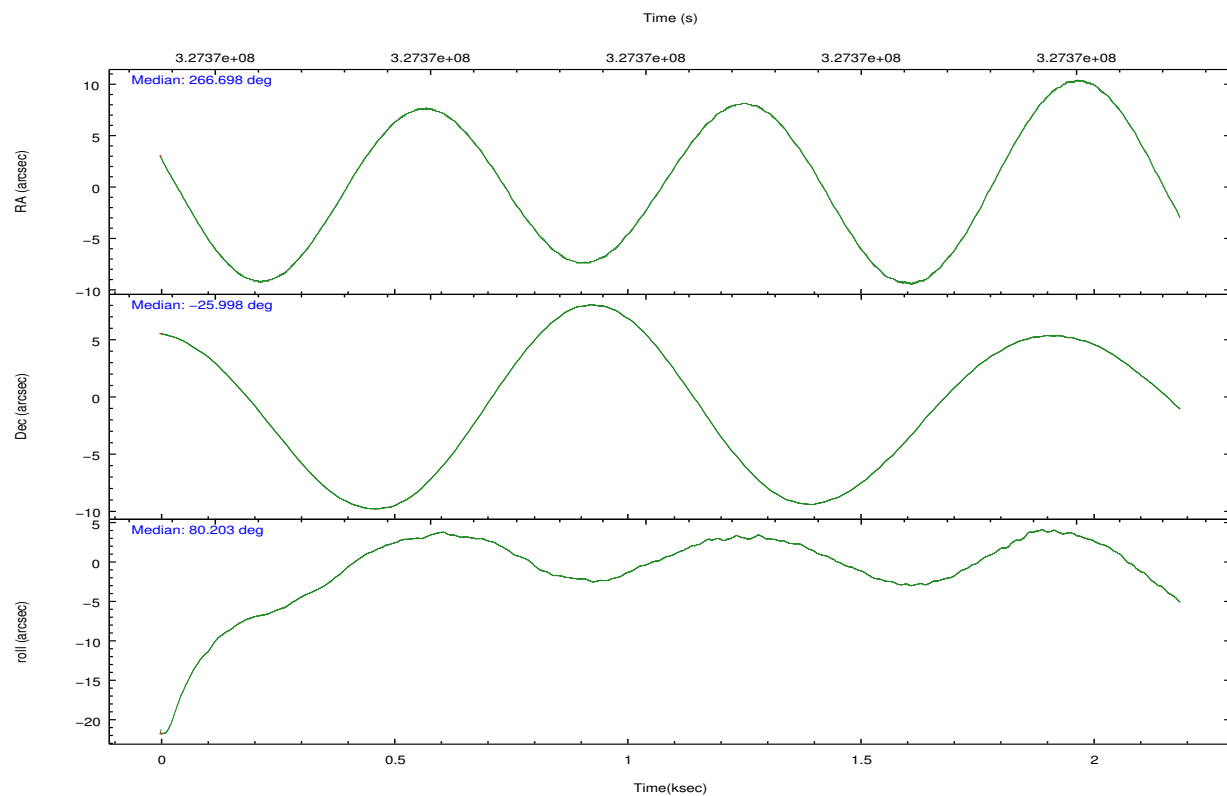
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	923	1104	988	965	1029
	4%	5%	4%	4%	4%
grade 1 events	10	14	13	17	27
	0%	0%	0%	0%	0%
grade 2 events	507	560	575	438	2237
	2%	2%	2%	2%	9%
grade 3 events	258	249	218	217	966
	1%	1%	1%	1%	4%
grade 4 events	224	264	214	207	998
	1%	1%	0%	1%	4%
grade 5 events	706	791	649	833	2268
	3%	4%	2%	4%	10%
grade 6 events	387	483	378	421	5485
	2%	2%	1%	2%	24%
grade 7 events	15858	16284	18706	16901	9499
	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	266.709173	266.698436550868	CCD I2 on	Y	Y
[deg] Pointing Dec	-26.023643	-25.99776777559284	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004171	80.20816953153204	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)	327372153.184000	327371777.72825	CCD S5 on	N	N
Observation start date	2008-05-17T00:41:28	2008-05-17T00:36:17	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327374153.184000	327374287.44087	On-chip summing requested	N	N
Observation end date	2008-05-17T01:14:48	2008-05-17T01:18:07	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



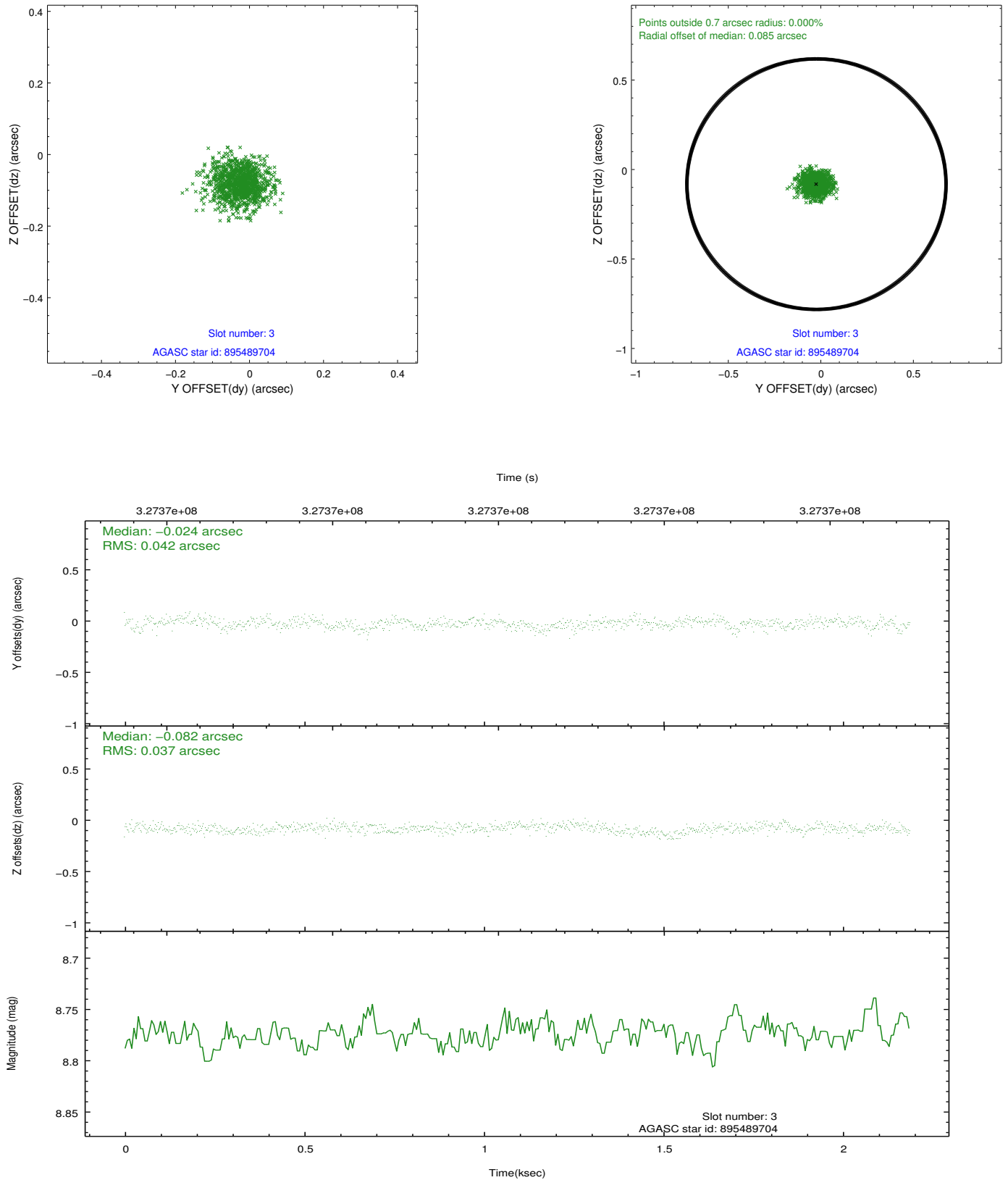


Slot Statistics

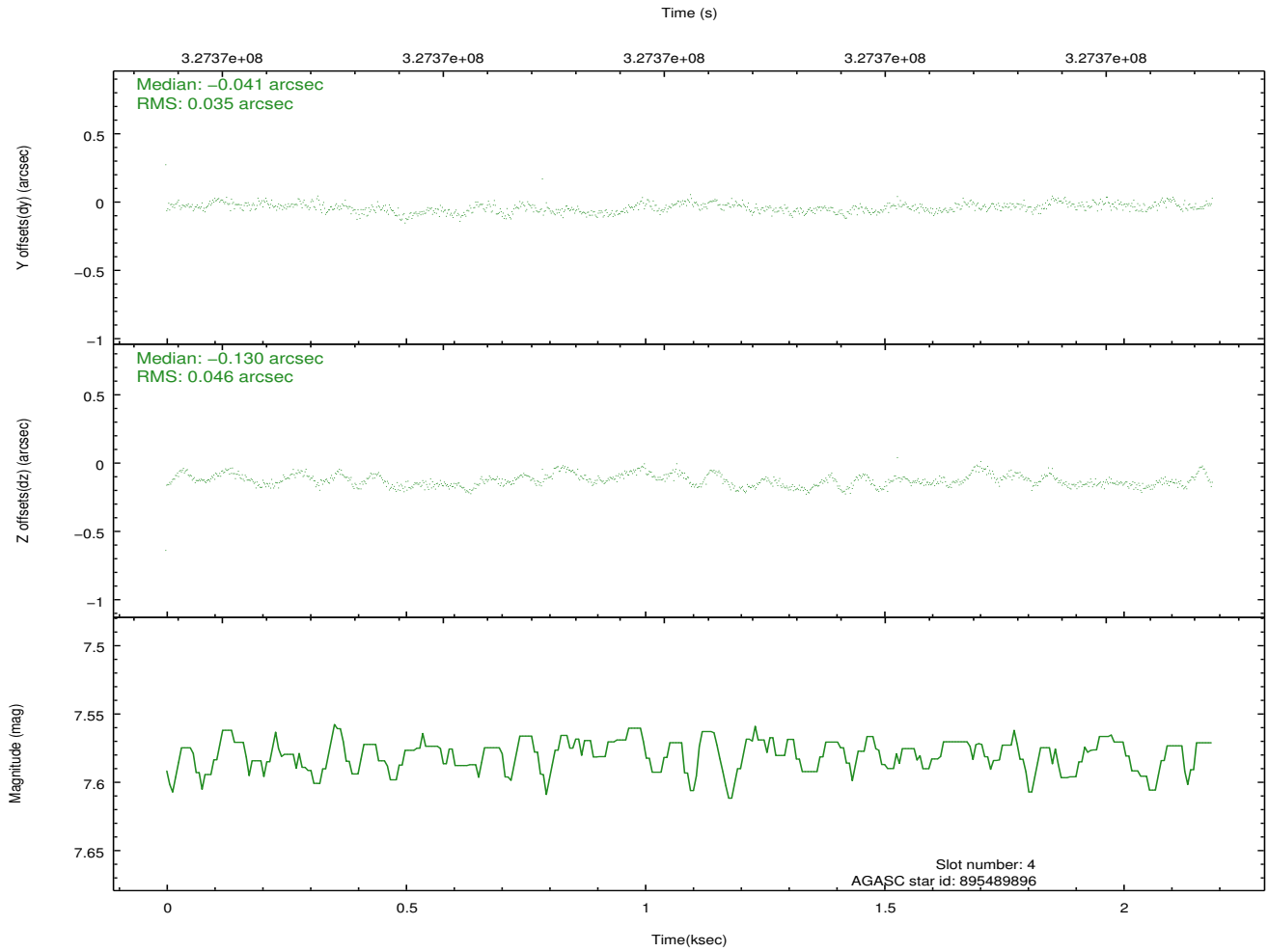
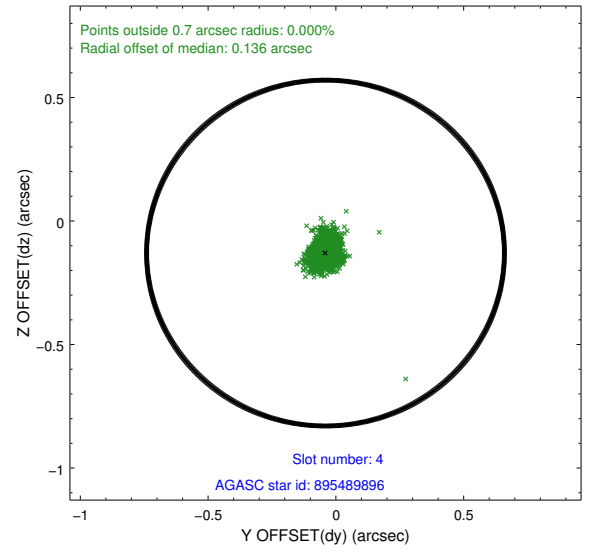
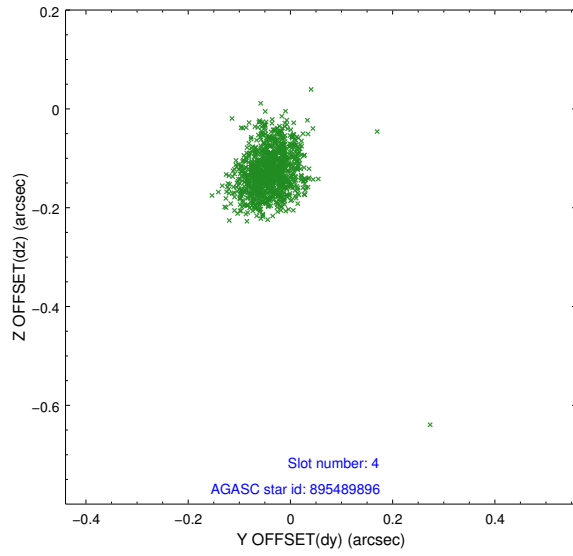
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.06	534	0.011	0.039	0.006	0.011	0.000000	0.000000	927.37	-837.05
1	FID	ACIS-I-5	7.05	534	-0.162	0.038	0.006	0.010	0.000000	0.000000	-1819.27	1058.93
2	FID	ACIS-I-6	7.06	534	0.059	-0.006	0.007	0.011	0.000000	0.000000	389.71	1706.78
3	GUIDE	895489704	8.77	1068	-0.024	-0.082	0.059	0.096	266.328076	-25.361339	2130.19	1634.35
4	GUIDE	895489896	7.58	1068	-0.041	-0.130	0.059	0.094	266.605795	-26.200300	-682.71	219.71
5	GUIDE	896009584	9.25	1065	0.109	0.213	0.100	0.166	266.891313	-26.347528	-1047.40	-780.91
6	GUIDE	896015112	9.17	1062	-0.011	0.233	0.085	0.150	266.684847	-26.286161	-945.60	-87.39
7	GUIDE	896015880	8.53	1067	-0.031	-0.230	0.076	0.121	265.986633	-26.306686	-1416.01	2117.88

2.4 Star Slots

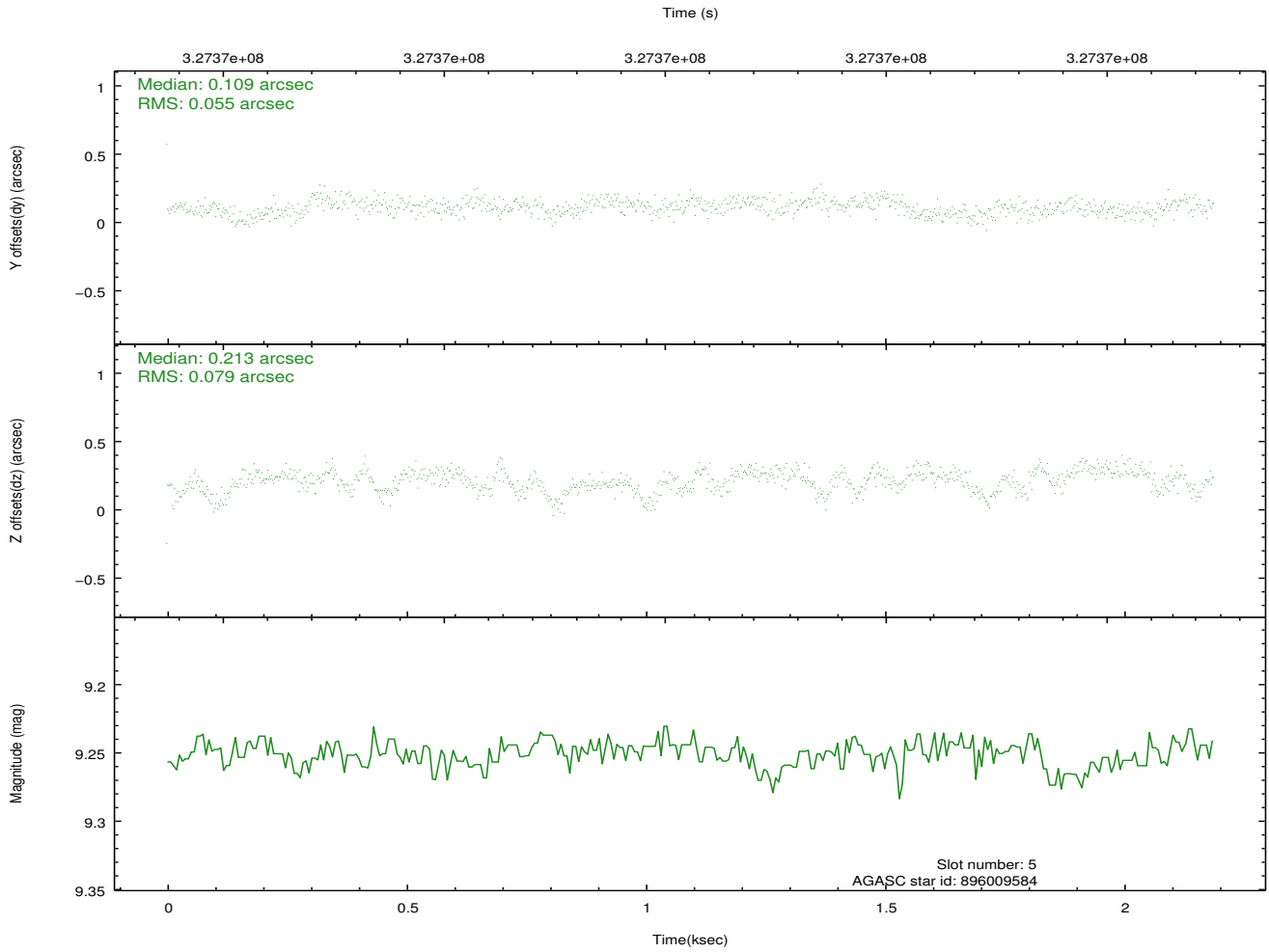
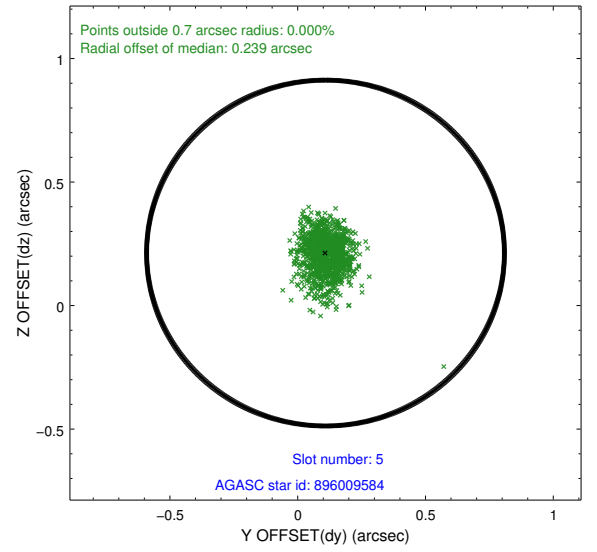
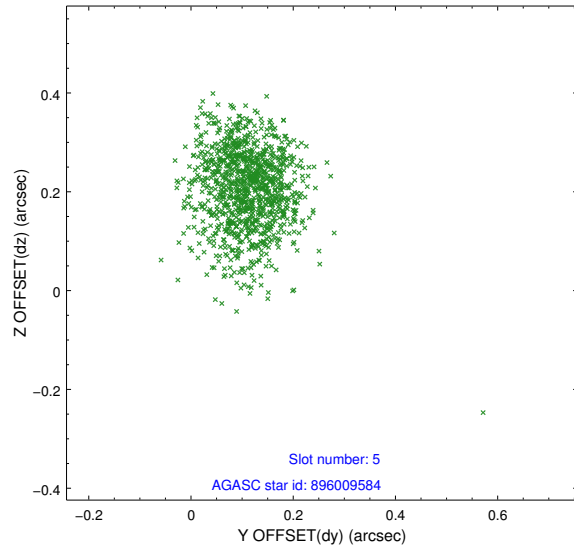
2.4.1 Slot 3



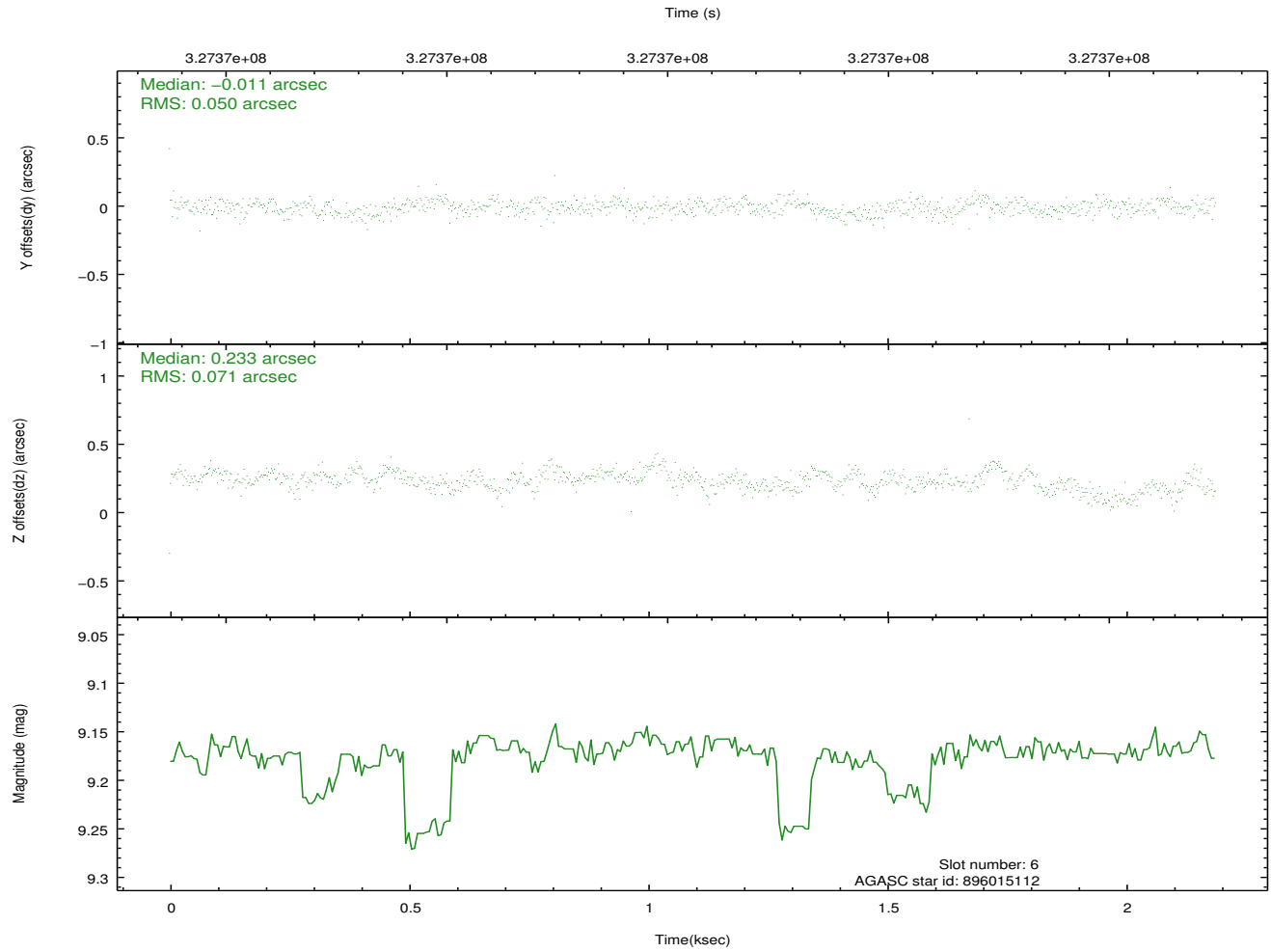
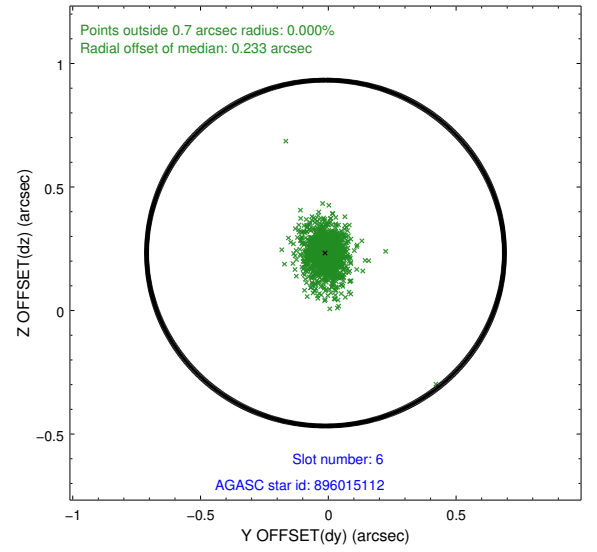
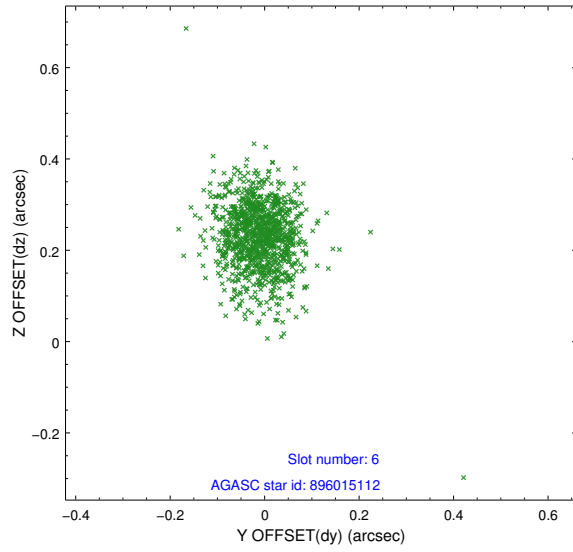
2.4.2 Slot 4



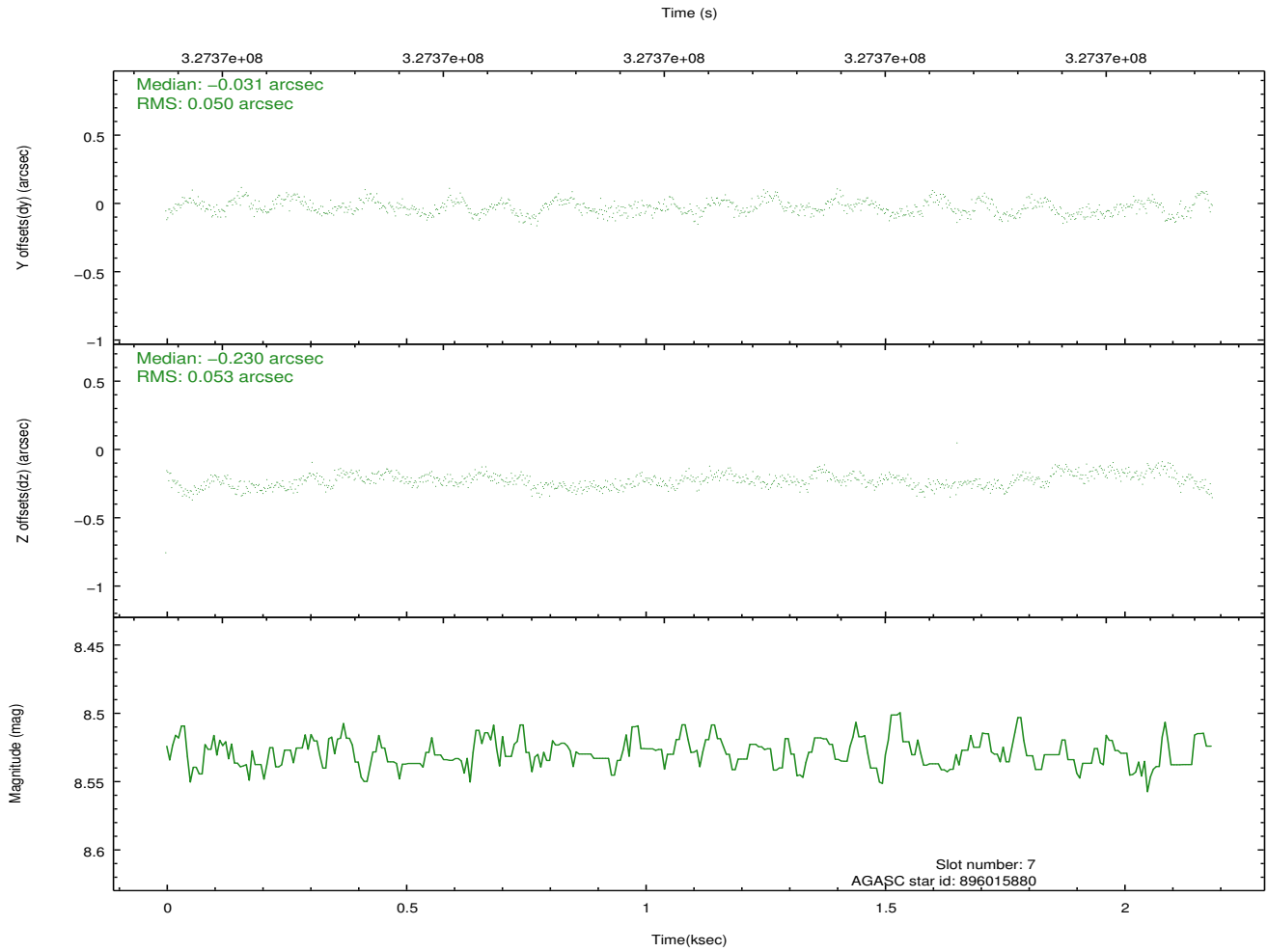
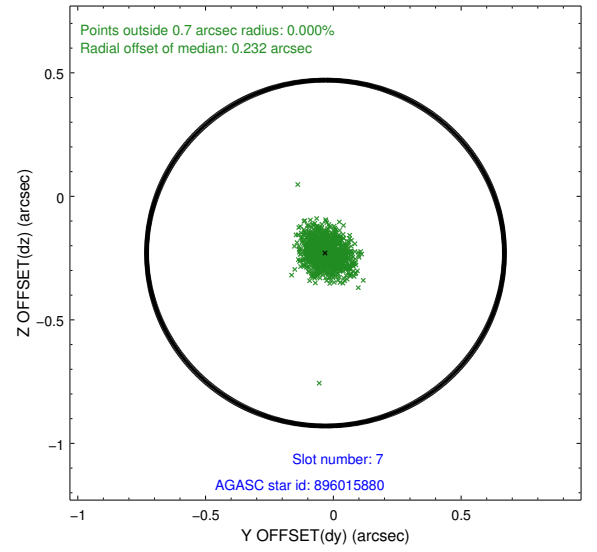
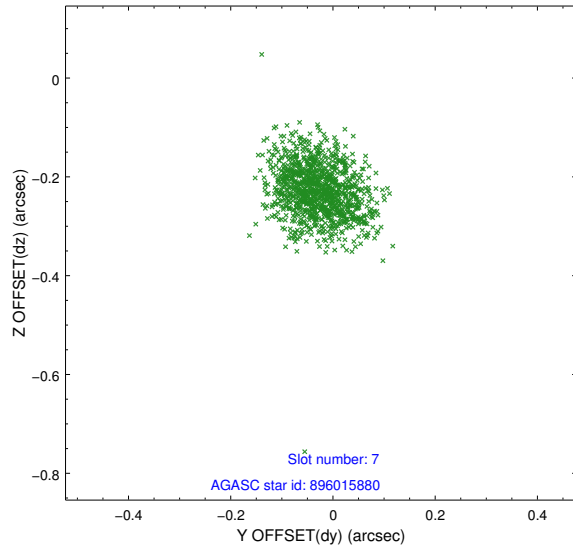
2.4.3 Slot 5



2.4.4 Slot 6

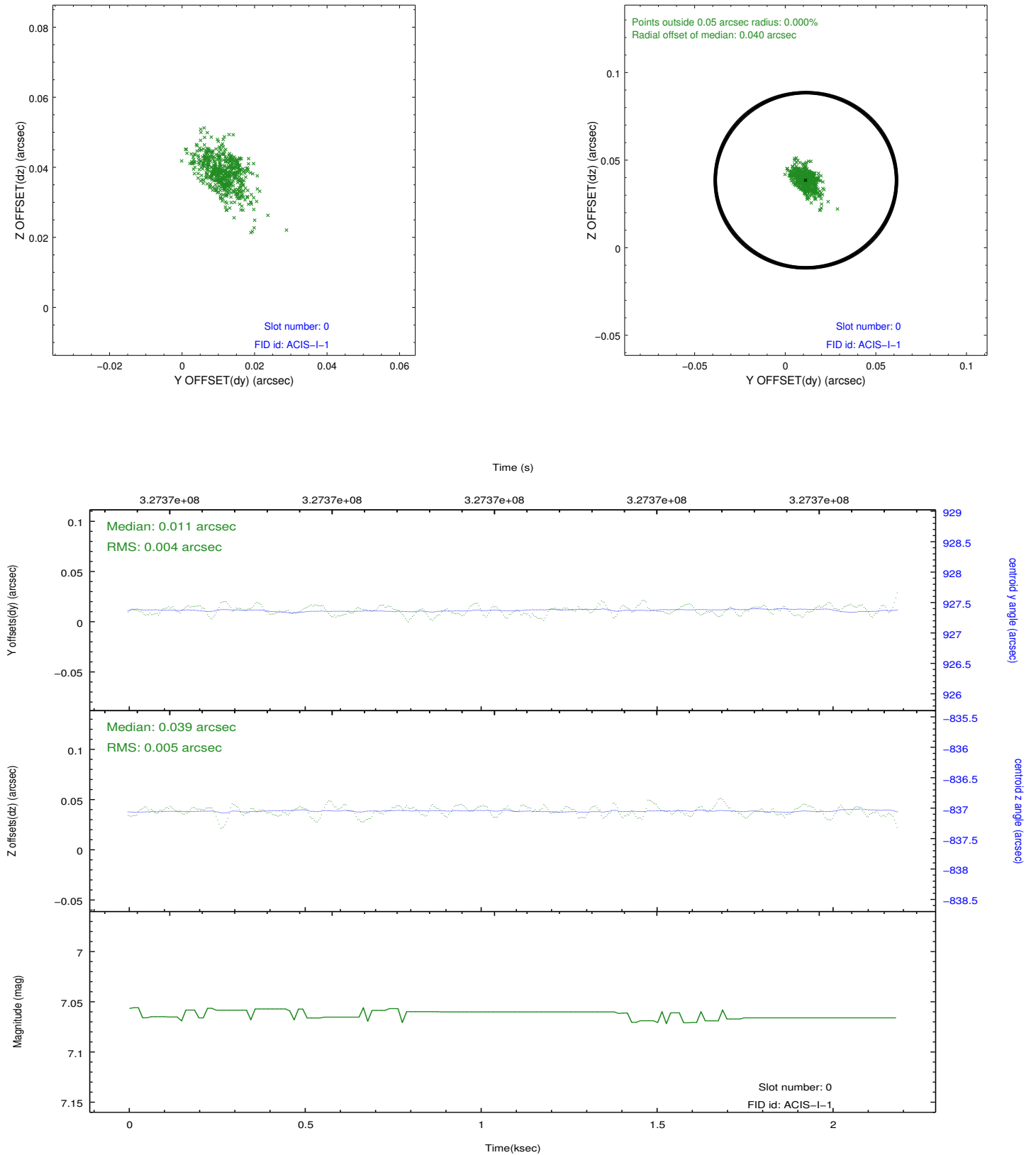


2.4.5 Slot 7

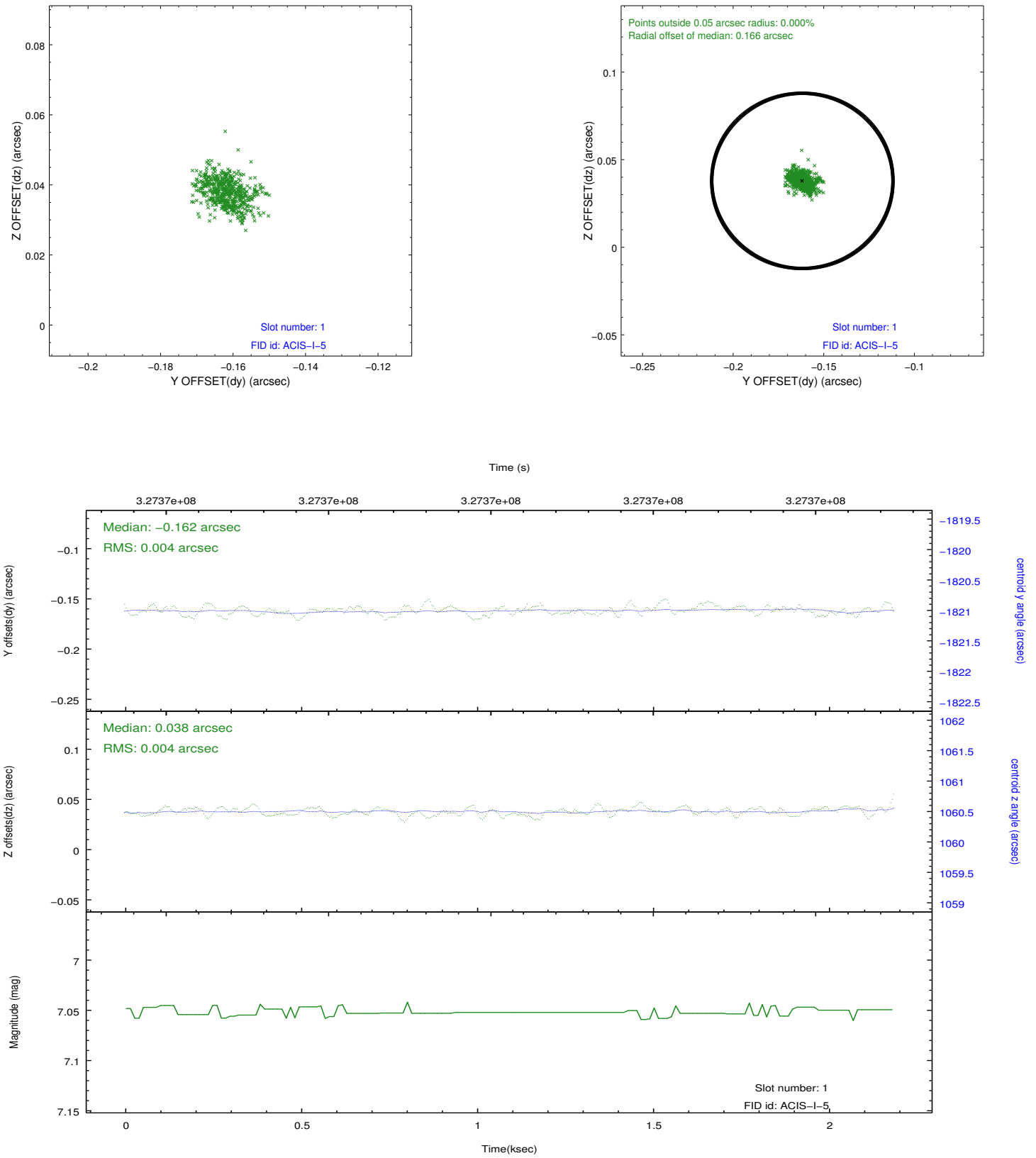


2.5 FID Slots

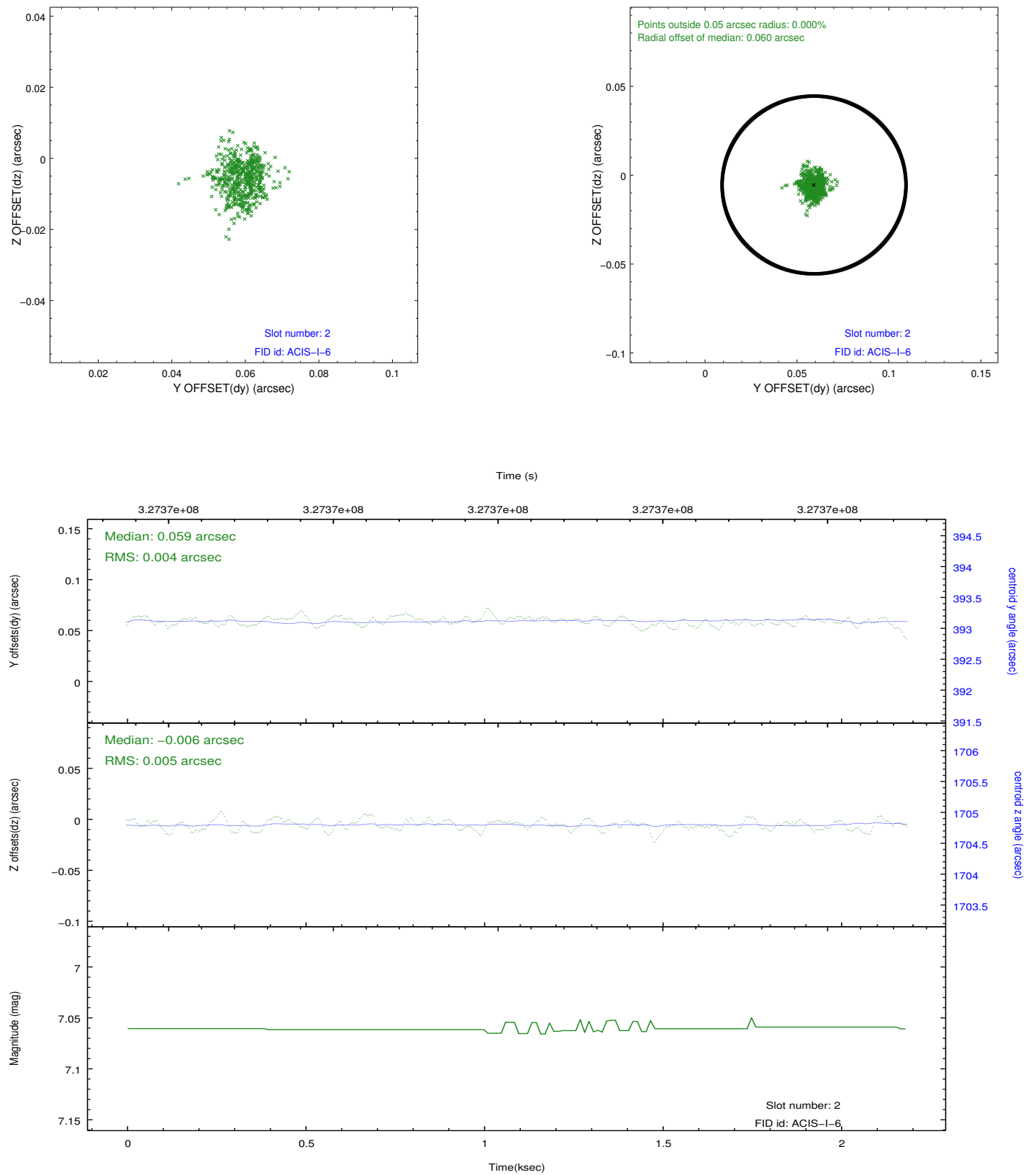
2.5.1 Slot 0



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