

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8676 - L2 Version 2
Chandra X-Ray Center

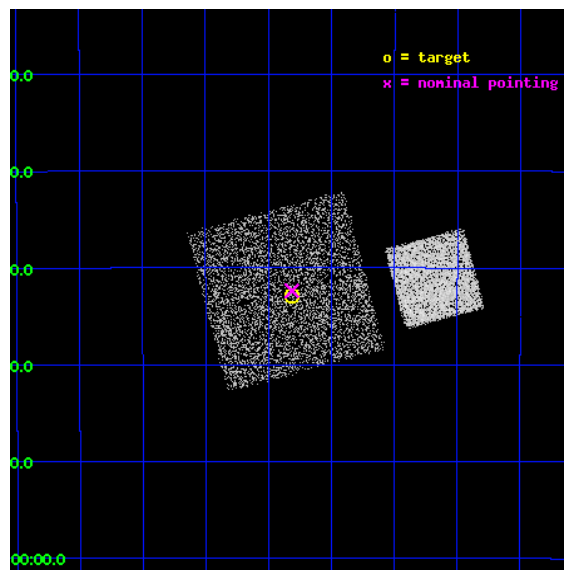
L2 Processing Date : May 15 2012

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1 Front

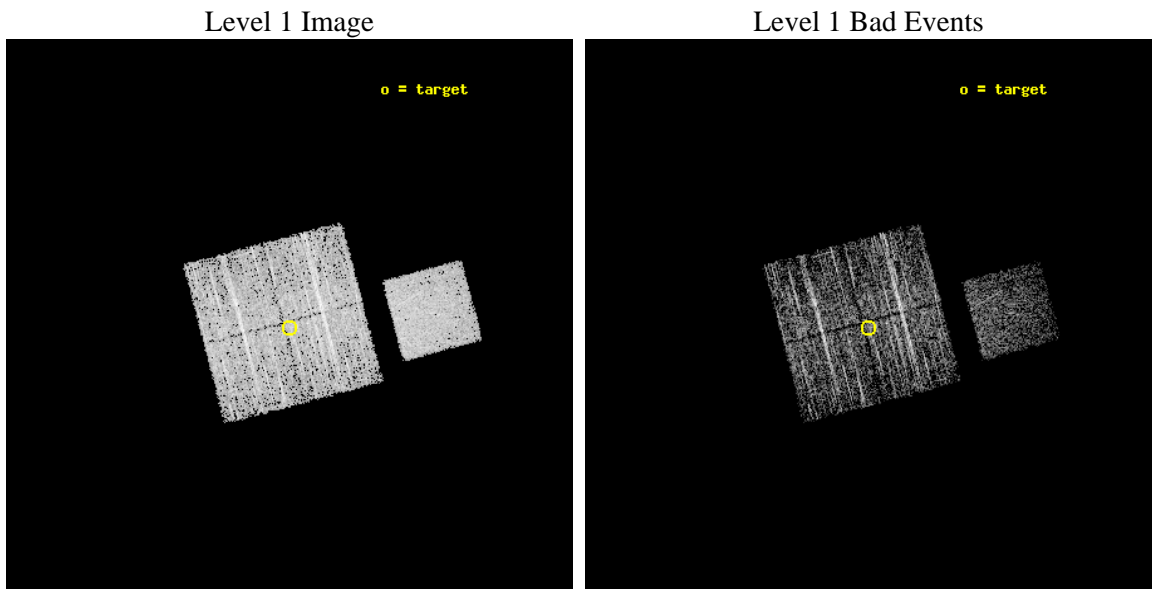
seq_num	400727	Sequence number
obs_id	8676	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	Prof Mariano Mendez	Principal investigator
object	GBSGTO4	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	265.203881	Observer's specified target RA [deg]
dec_targ	-28.548025	Observer's specified target Dec [deg]
ra_nom	265.20343782795	Nominal RA [deg]
dec_nom	-28.539802540894	Nominal Dec [deg]
roll_nom	75.208498441995	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	15956	Number of level 2 events



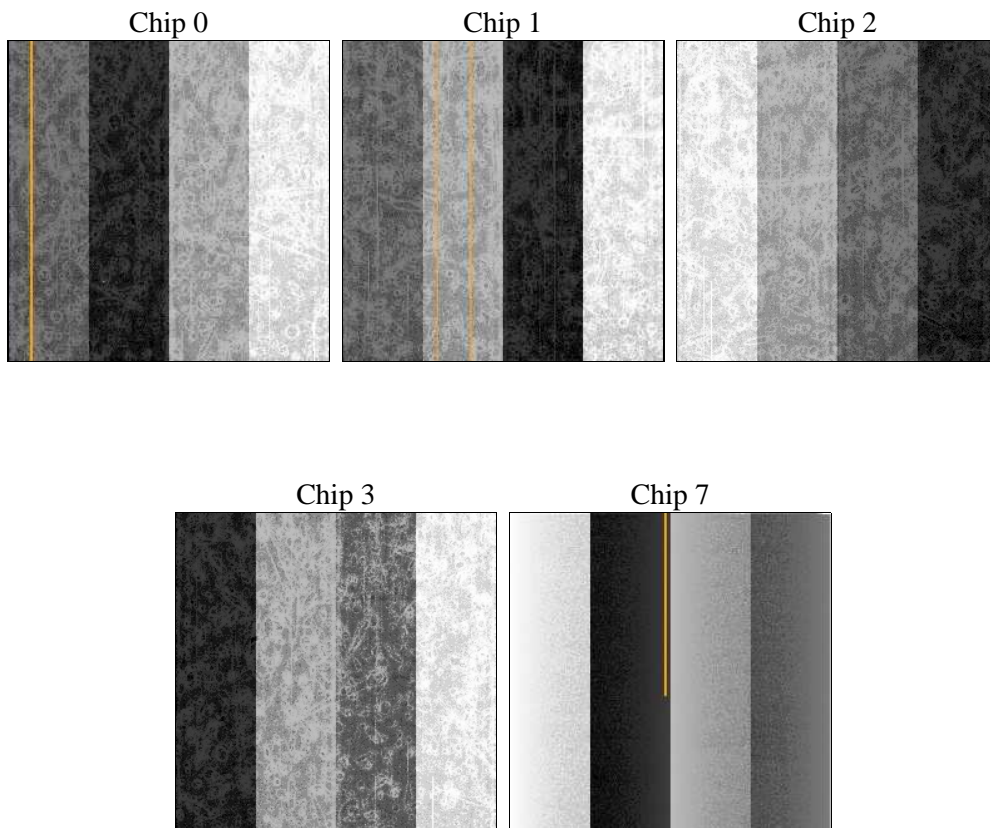
2 OBI

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	2012-05-15T05:03:19	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	108511	Number of level 1 events

2.1.4 Events

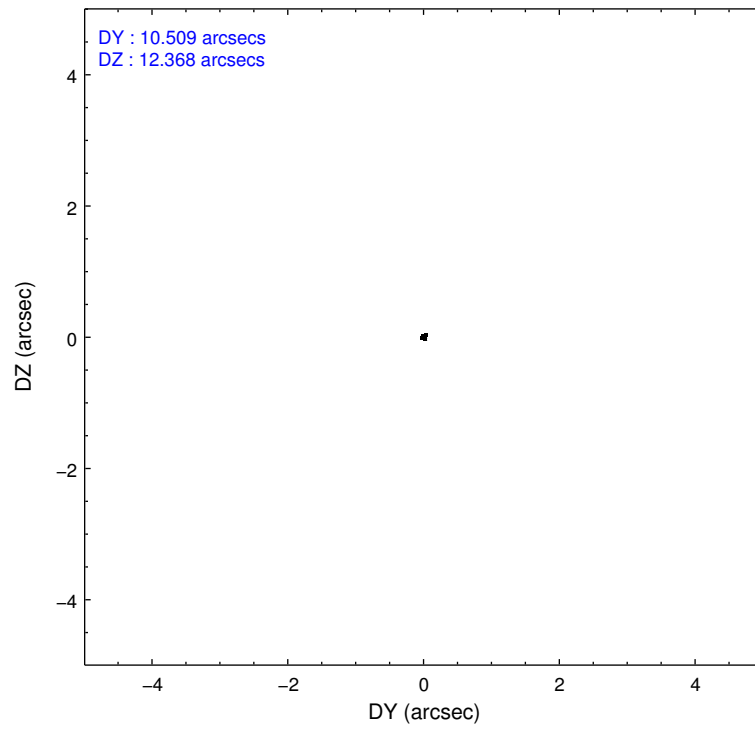
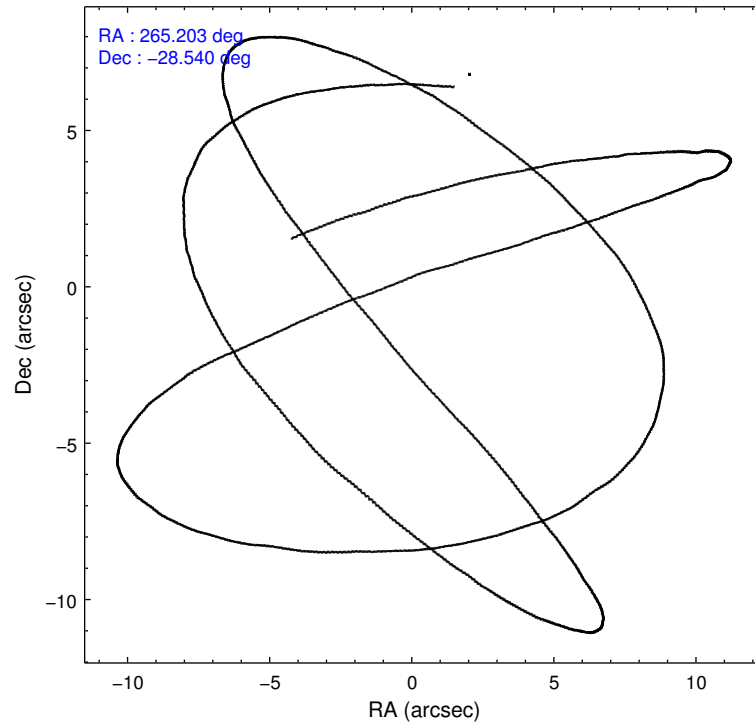
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	20641	19499	22783	21705	23883
rejected events	18592	17220	20639	19744	14692
rejected %	90%	88%	90%	90%	61%

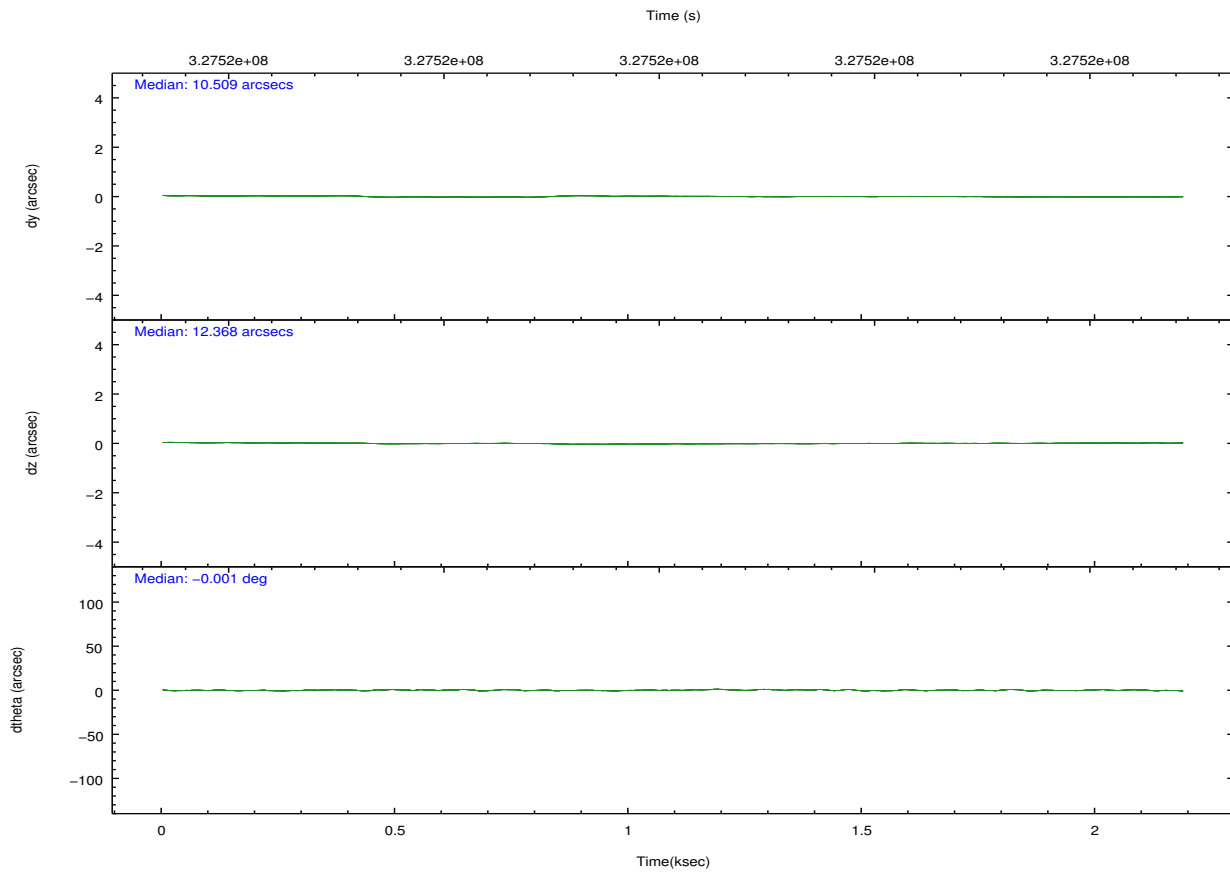
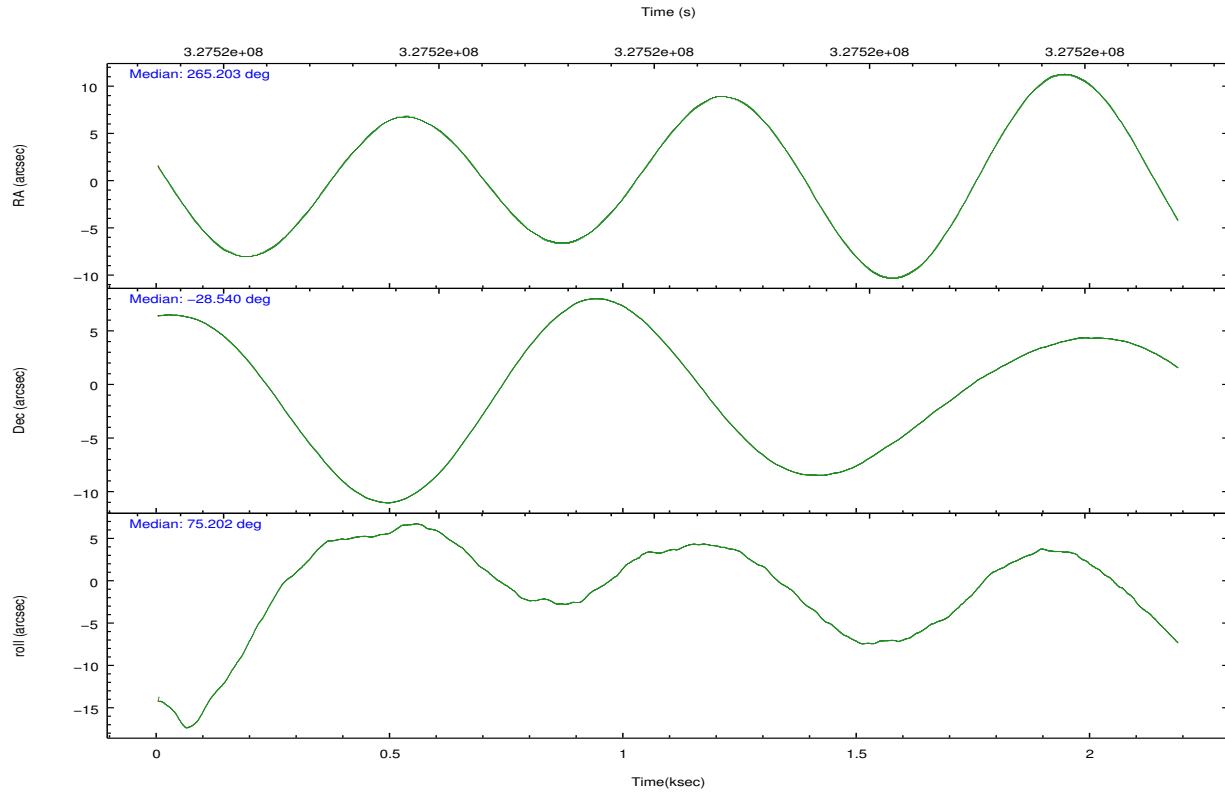
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	1009	1156	1123	998	1040
	4%	5%	4%	4%	4%
grade 1 events	12	12	12	16	22
	0%	0%	0%	0%	0%
grade 2 events	521	546	573	460	2278
	2%	2%	2%	2%	9%
grade 3 events	247	291	228	260	1088
	1%	1%	1%	1%	4%
grade 4 events	246	244	245	240	999
	1%	1%	1%	1%	4%
grade 5 events	755	832	699	831	2502
	3%	4%	3%	3%	10%
grade 6 events	442	487	406	412	5575
	2%	2%	1%	1%	23%
grade 7 events	17409	15931	19497	18488	10379
	84%	81%	85%	85%	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	265.211816	265.203437827946	CCD I2 on	Y	Y
[deg] Pointing Dec	-28.566459	-28.53980254089386	CCD I3 on	Y	Y
[deg] Pointing Roll	75.003799	75.20849844199519	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)	327515133.184000	327514642.74771	CCD S5 on	N	N
Observation start date	2008-05-18T16:24:28	2008-05-18T16:17:22	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327517133.184000	327517268.28534	On-chip summing requested	N	N
Observation end date	2008-05-18T16:57:48	2008-05-18T17:01:08	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



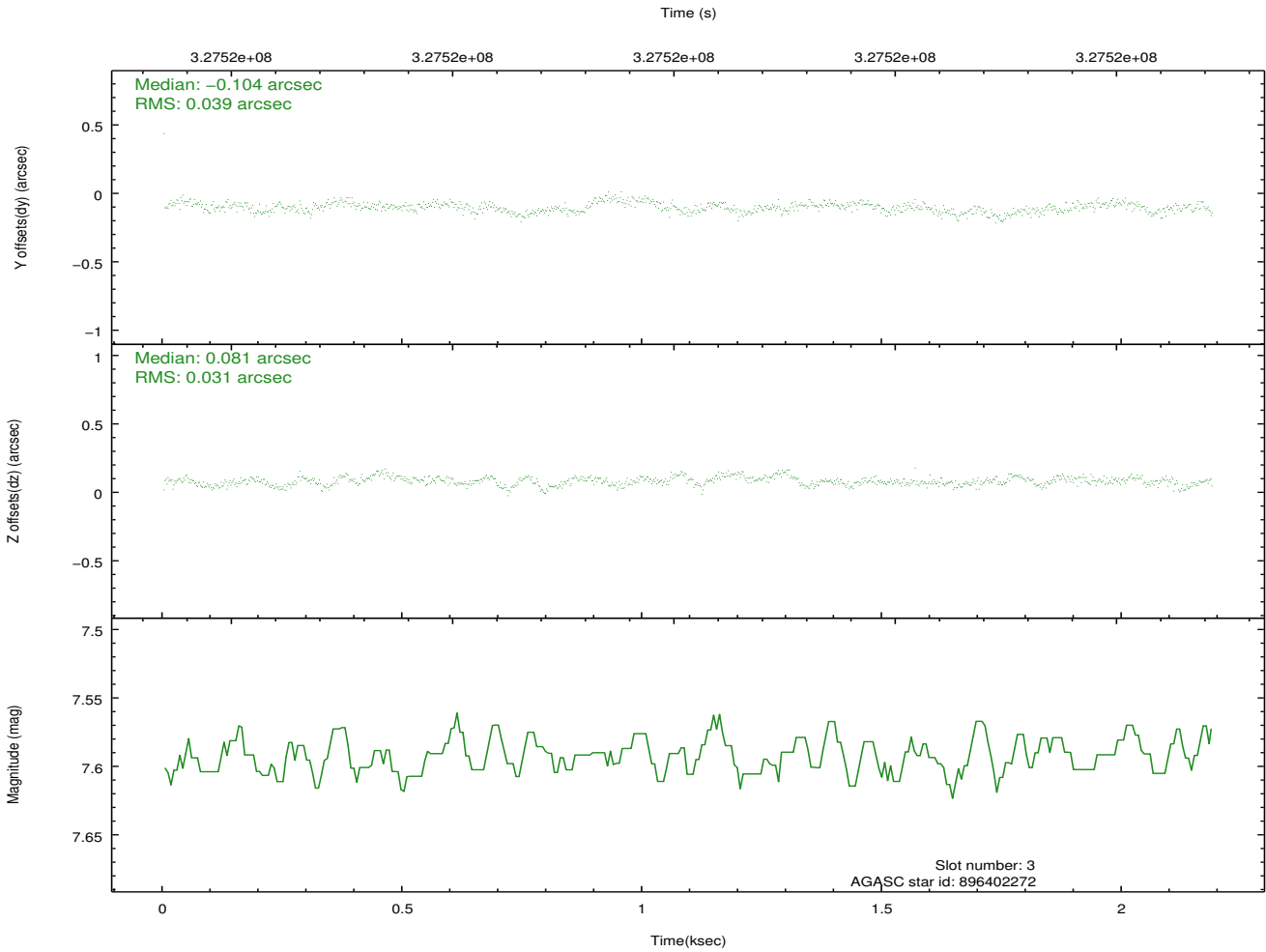
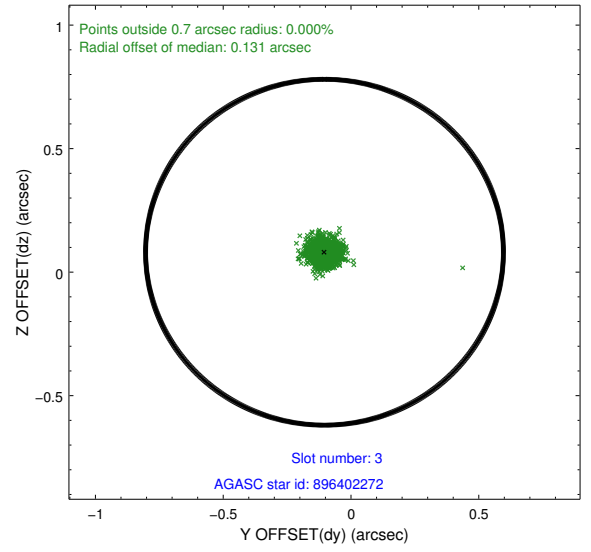
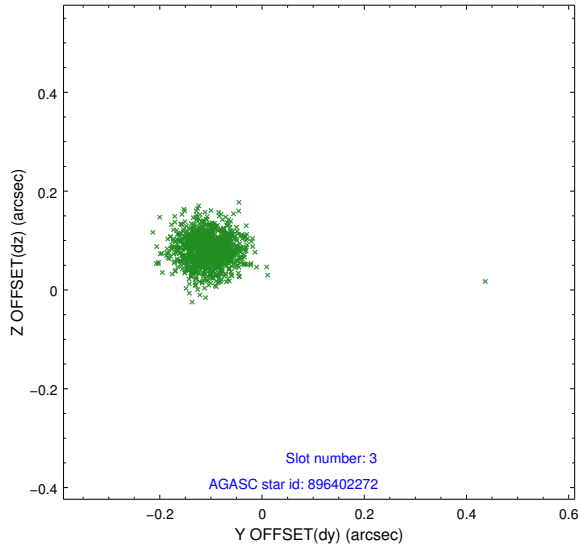


Slot Statistics

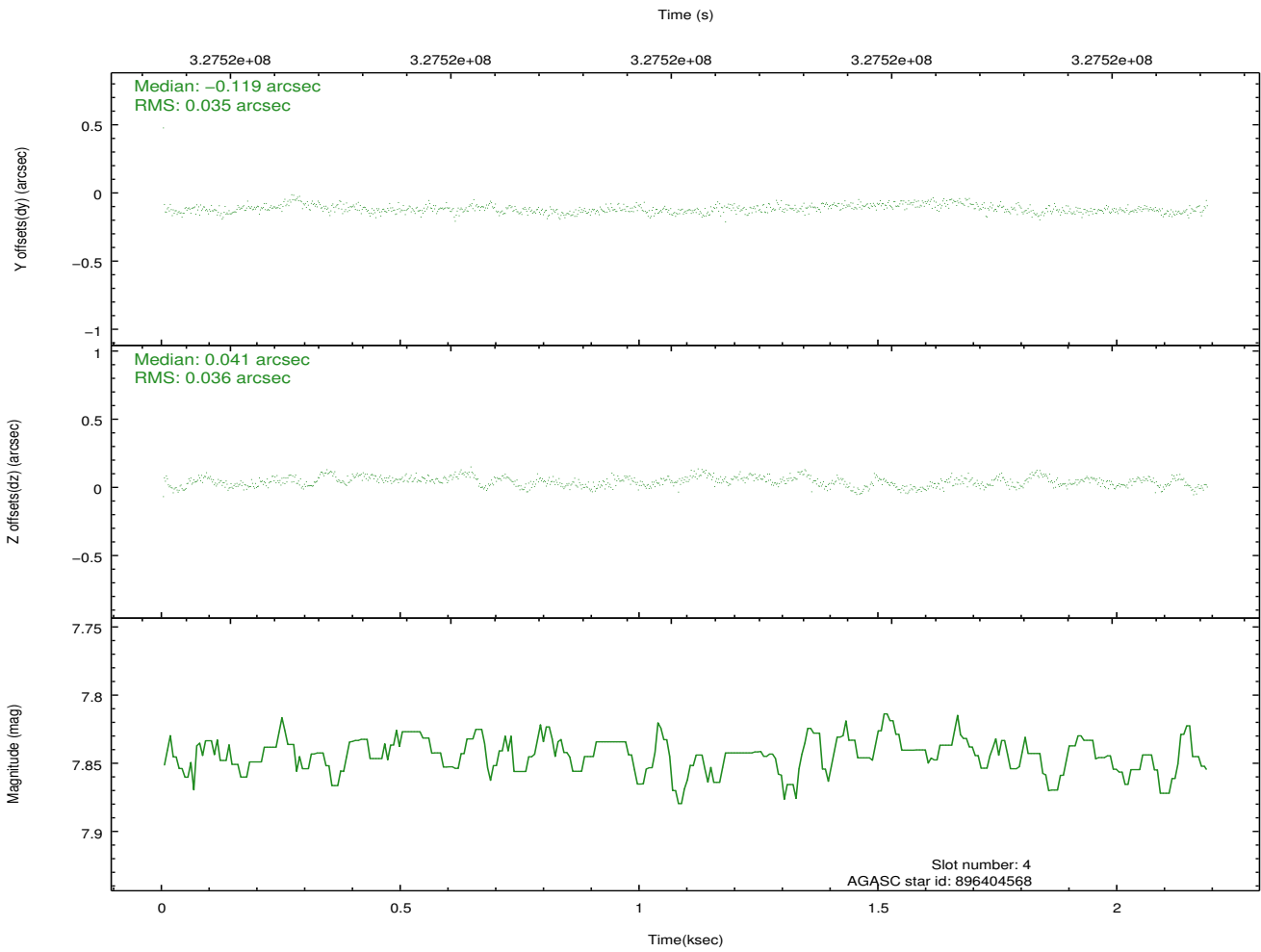
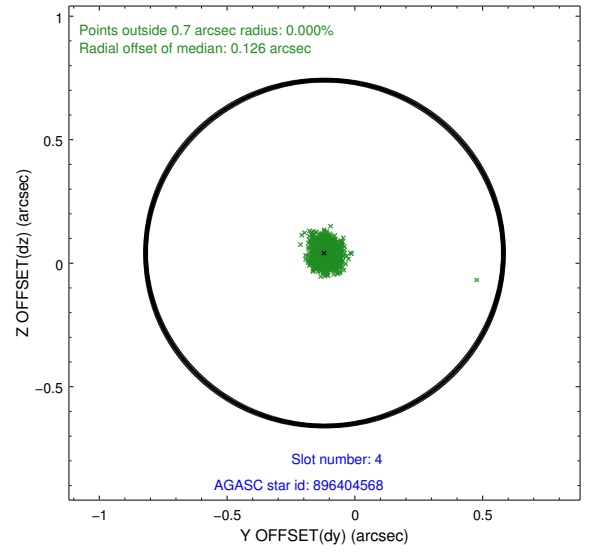
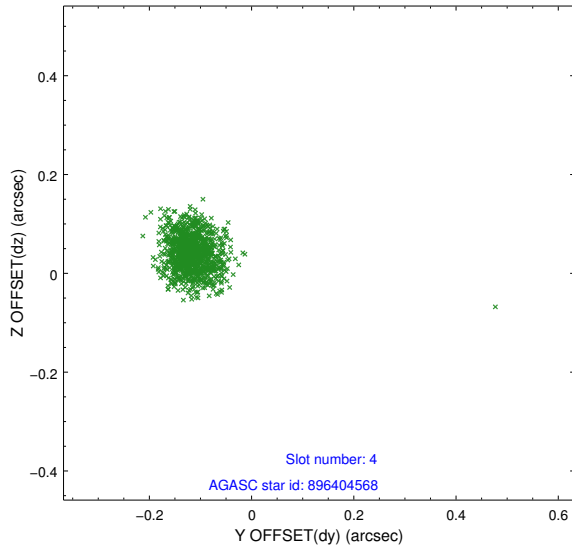
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.06	534	0.037	0.020	0.006	0.011	0.000000	0.000000	929.10	-835.89
1	FID	ACIS-I-5	7.04	534	-0.165	0.061	0.006	0.010	0.000000	0.000000	-1817.54	1060.18
2	FID	ACIS-I-6	7.05	534	0.037	-0.011	0.006	0.010	0.000000	0.000000	391.43	1707.97
3	GUIDE	896402272	7.59	1067	-0.104	0.081	0.049	0.079	265.637294	-28.313189	1227.17	-1067.17
4	GUIDE	896404568	7.84	1067	-0.119	0.041	0.051	0.080	265.687293	-28.431080	858.38	-1329.67
5	GUIDE	896404784	9.32	1066	0.231	0.171	0.098	0.161	265.491289	-29.092670	-1602.73	-1341.00
6	GUIDE	896405616	7.81	1067	-0.046	-0.116	0.072	0.111	264.752771	-28.412560	153.67	1545.55
7	GUIDE	896405976	9.08	1066	0.040	-0.175	0.120	0.180	264.638127	-28.604395	-605.53	1716.05

2.4 Star Slots

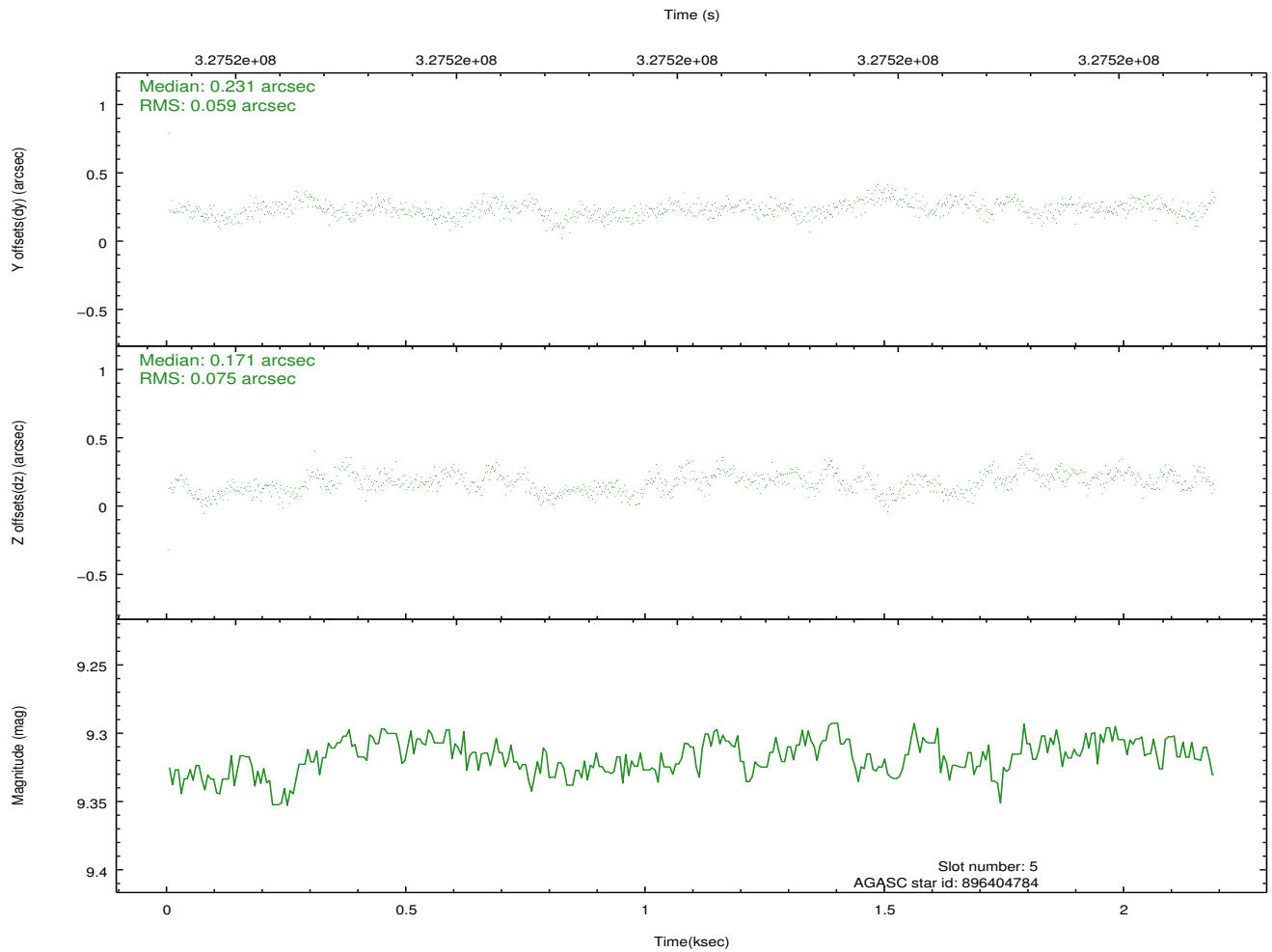
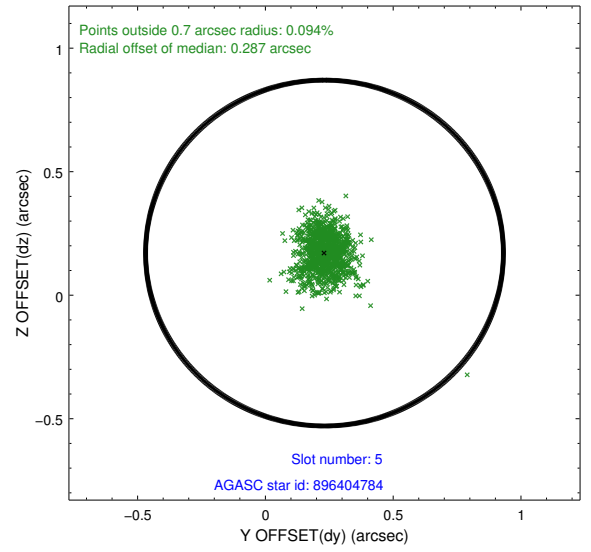
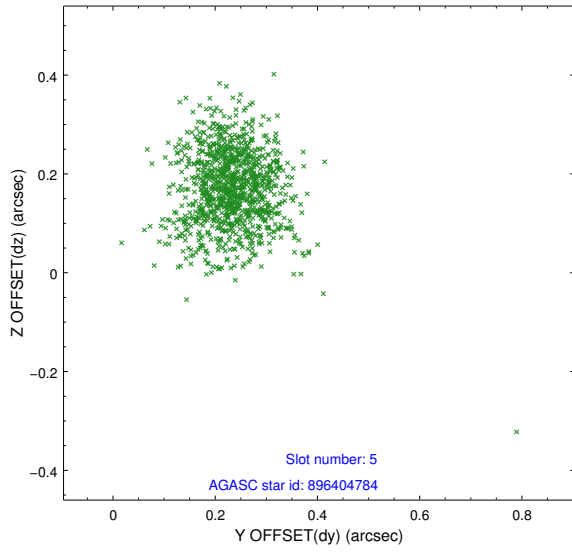
2.4.1 Slot 3



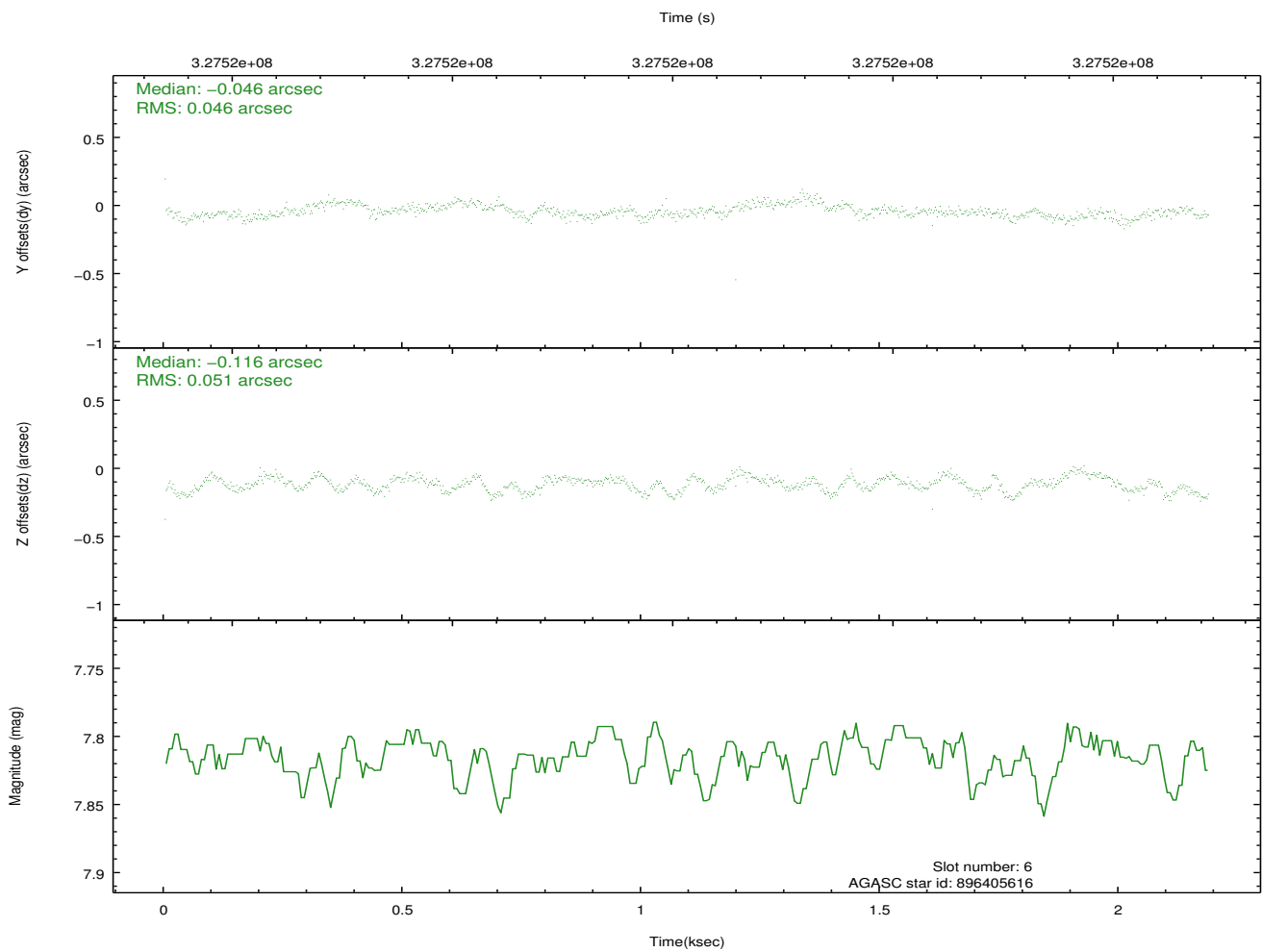
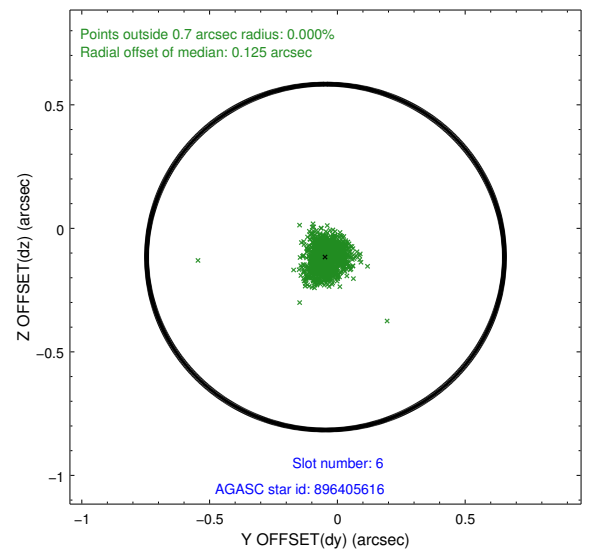
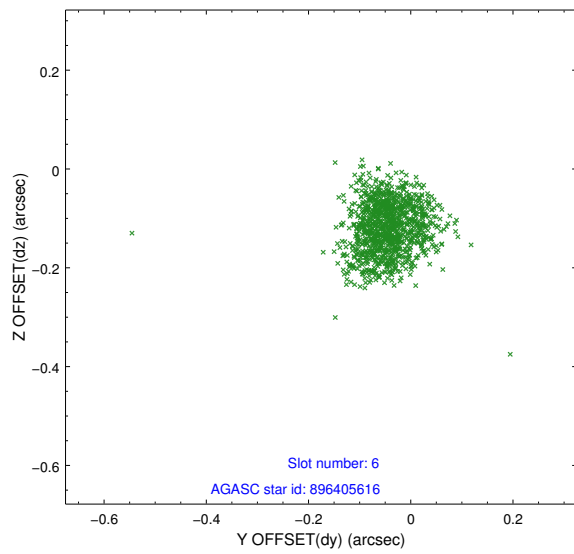
2.4.2 Slot 4



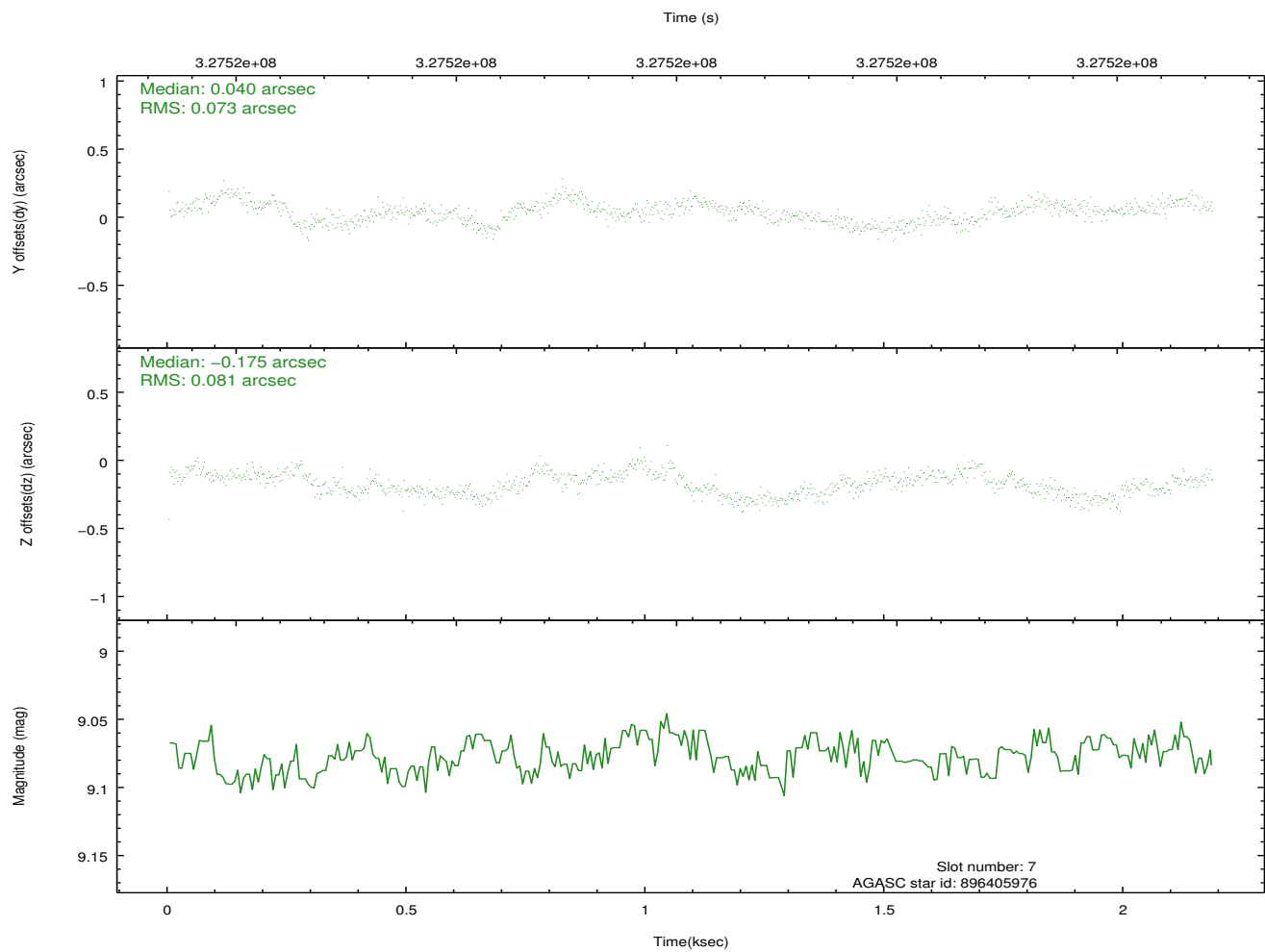
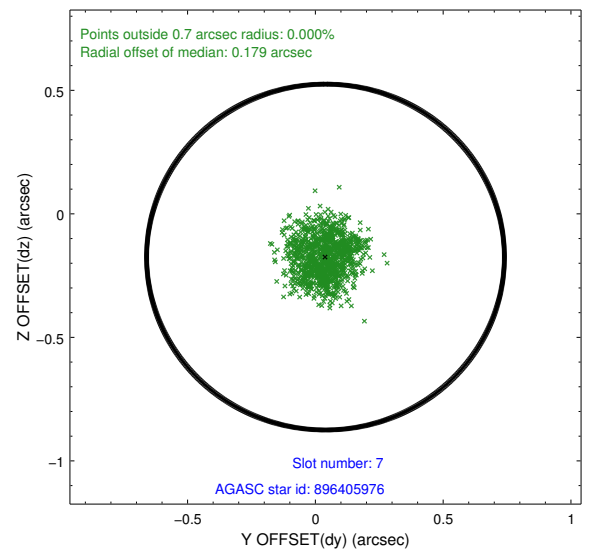
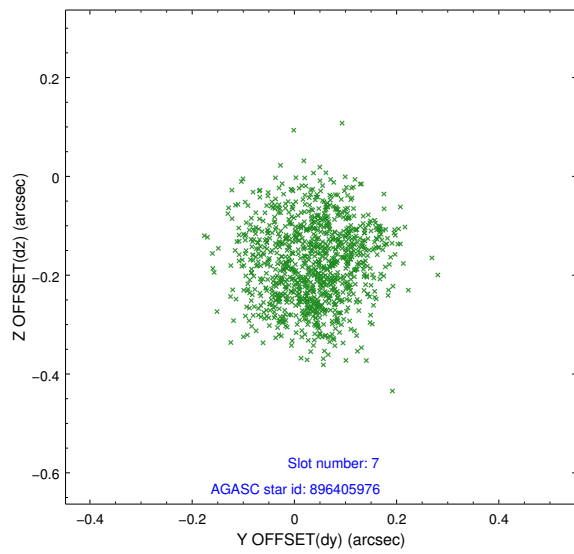
2.4.3 Slot 5



2.4.4 Slot 6

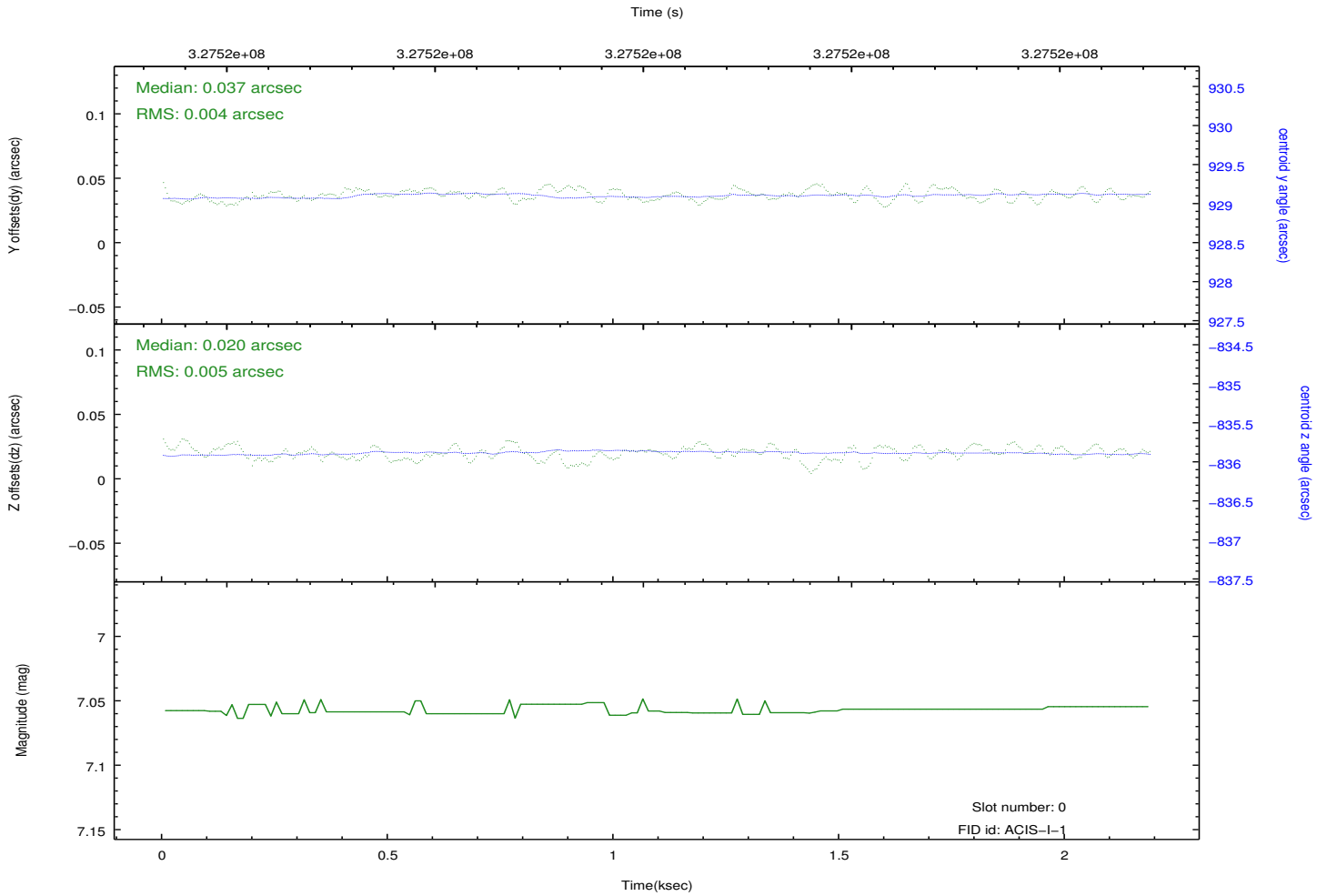
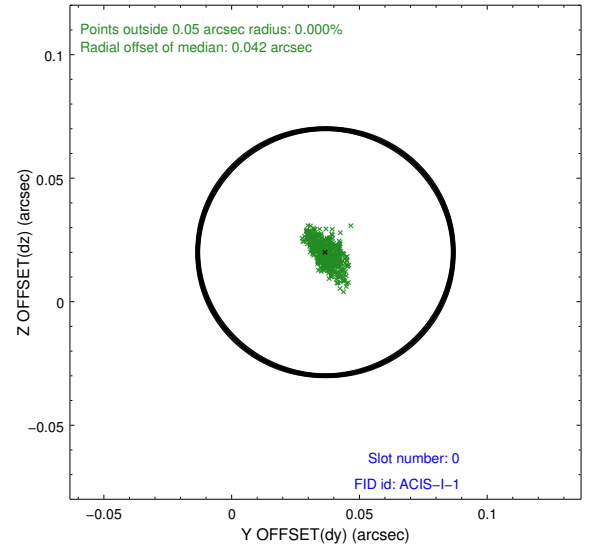
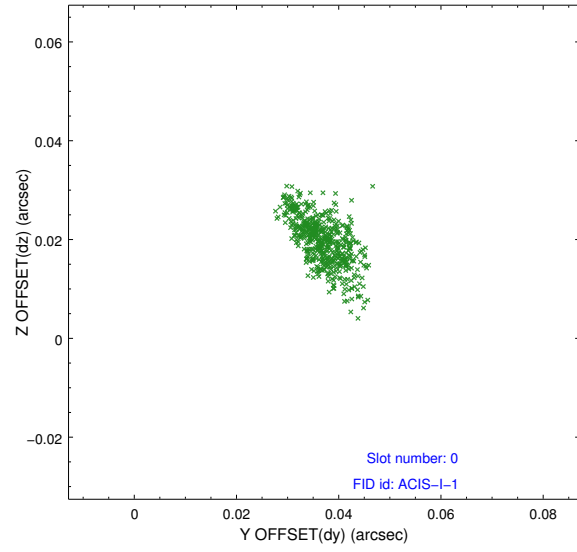


2.4.5 Slot 7

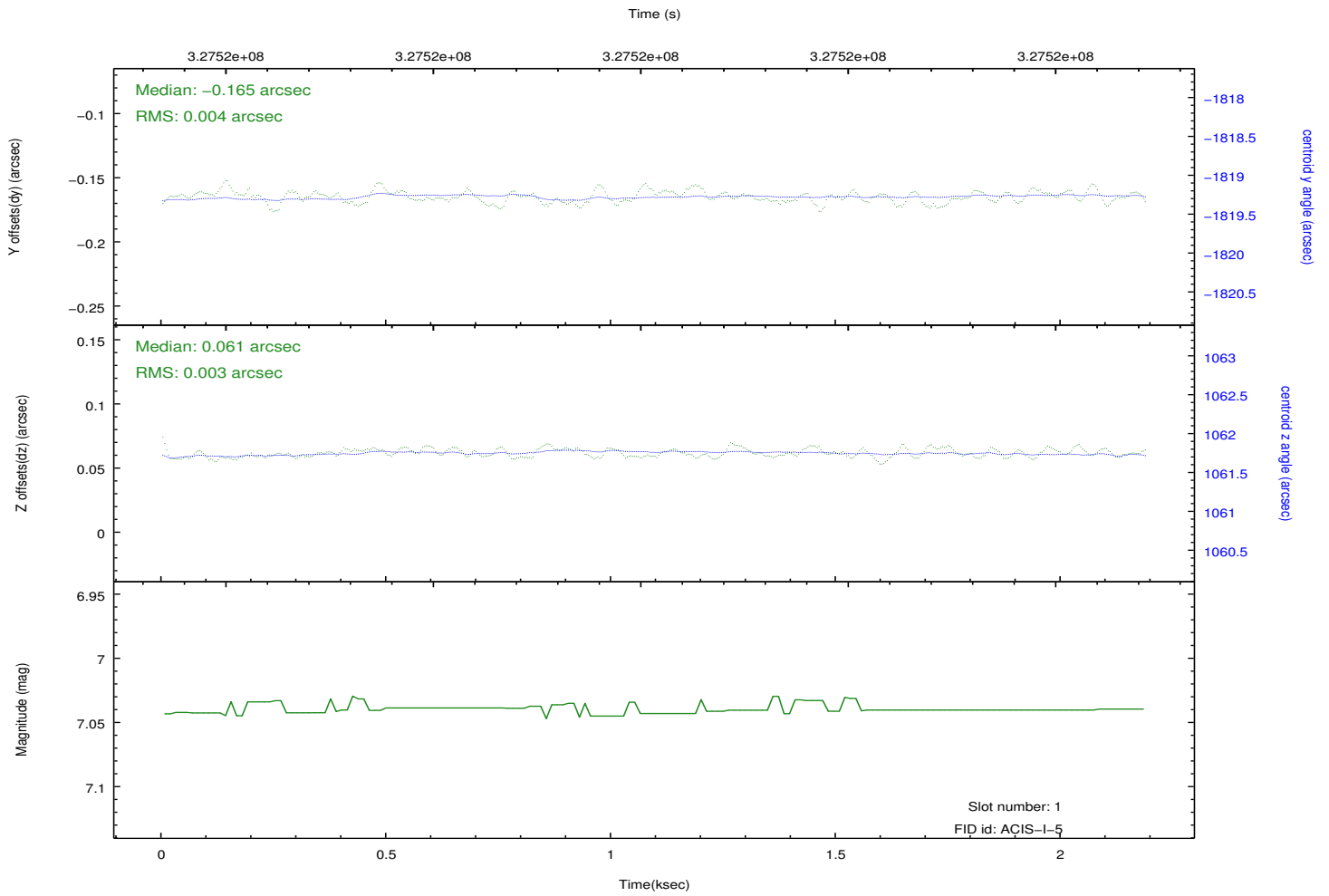
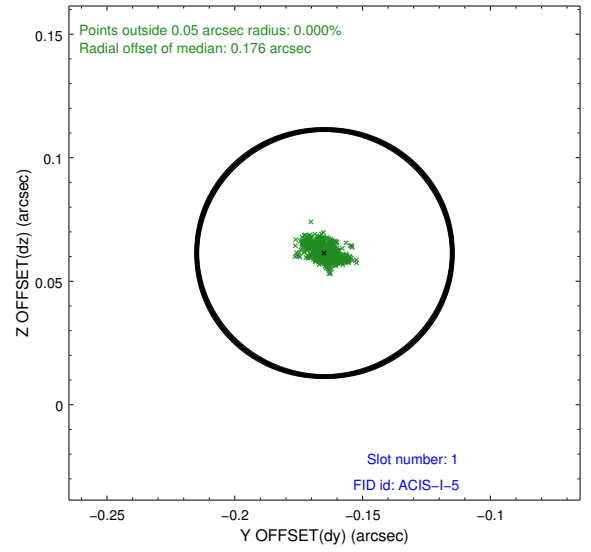
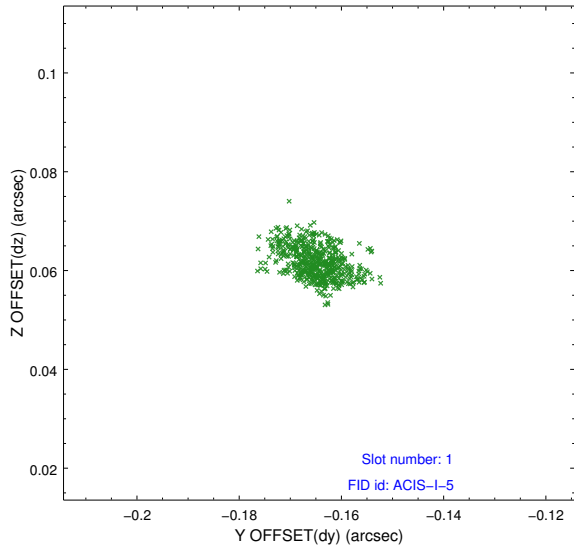


2.5 FID Slots

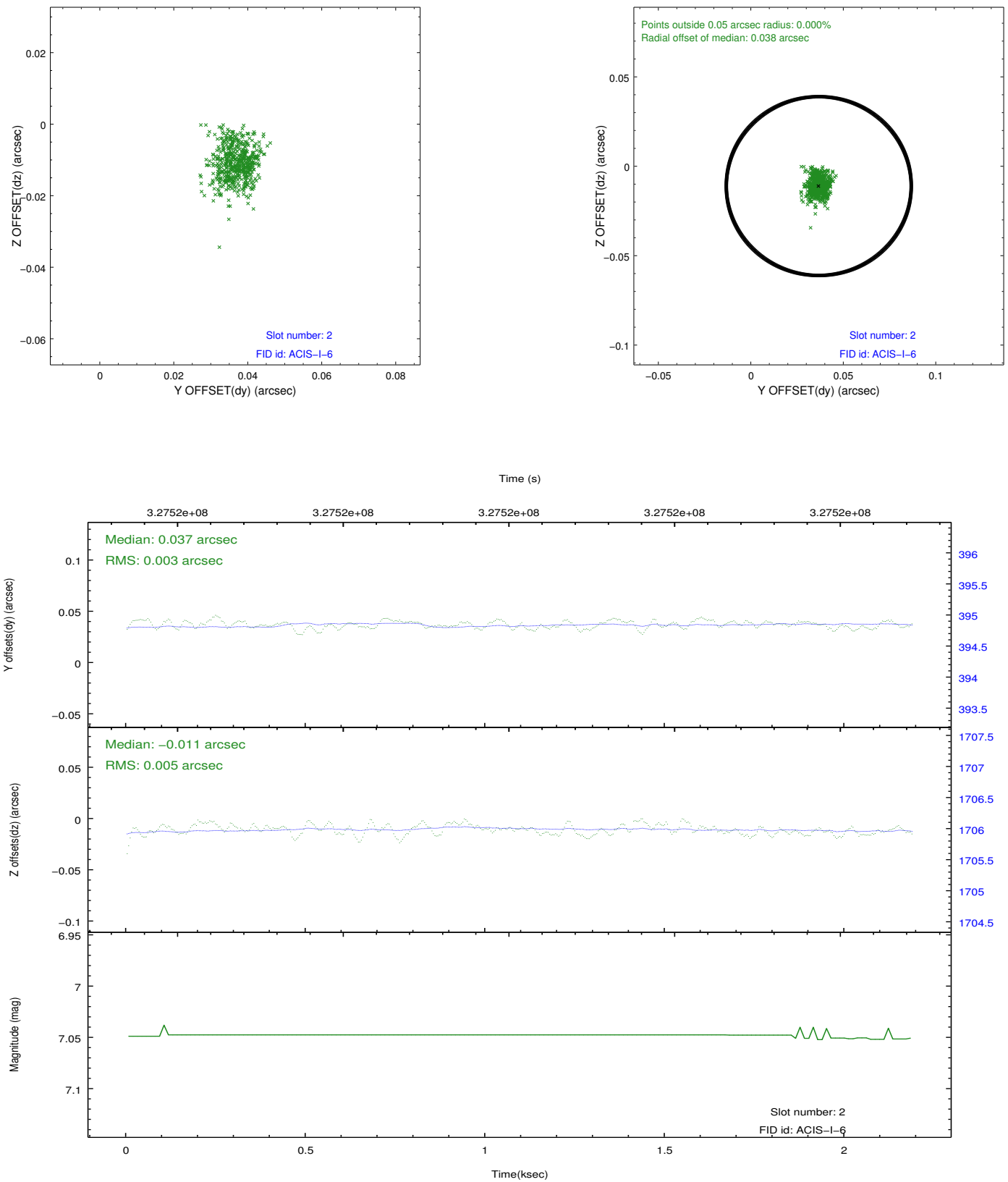
2.5.1 Slot 0



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