

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8699 - L2 Version 2
Chandra X-Ray Center

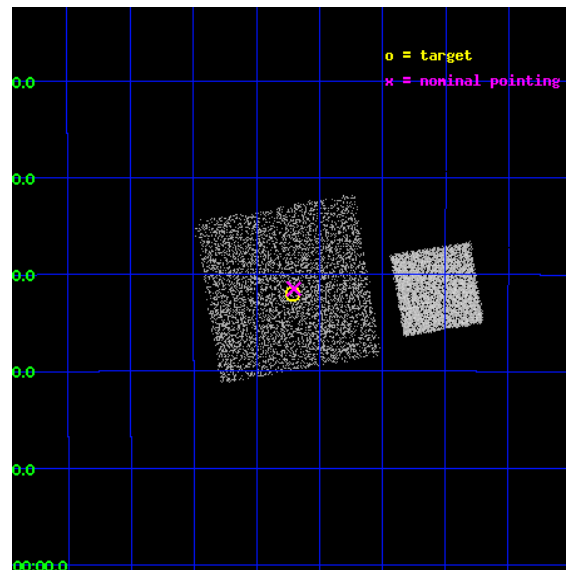
L2 Processing Date : May 15 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

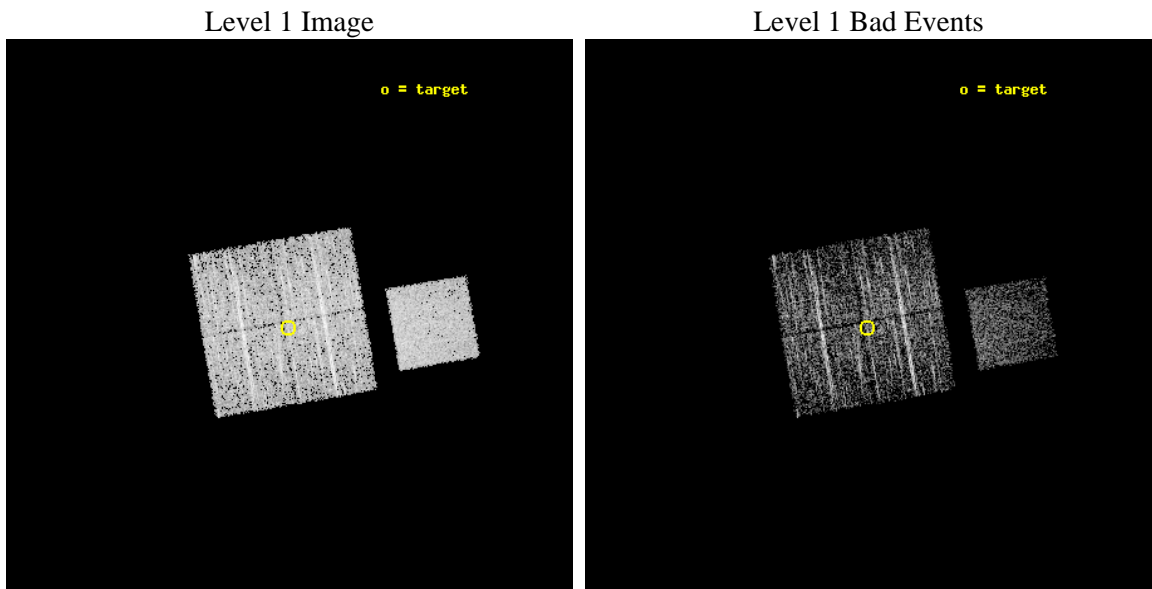
seq_num	400750	Sequence number
obs_id	8699	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	Prof Mariano Mendez	Principal investigator
object	GBSGTO6	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	264.677053	Observer's specified target RA [deg]
dec_targ	-28.532999	Observer's specified target Dec [deg]
ra_nom	264.67585071617	Nominal RA [deg]
dec_nom	-28.525043819123	Nominal Dec [deg]
roll_nom	80.208123267282	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	15975	Number of level 2 events



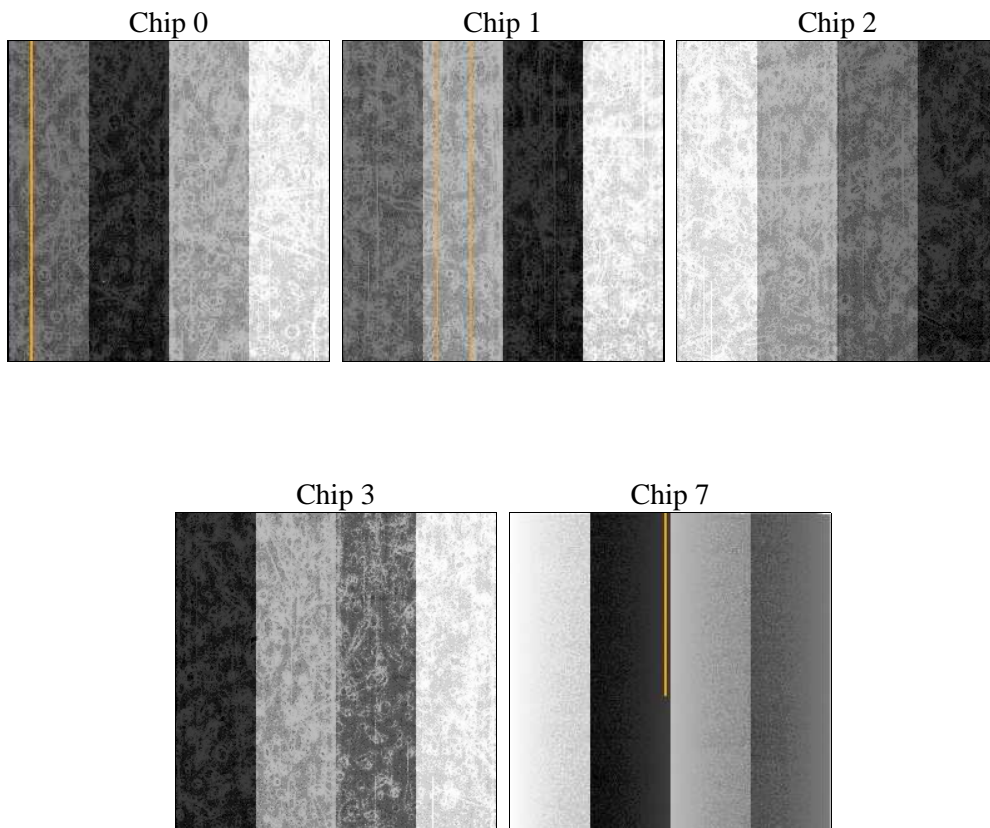
2 OBI

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	2012-05-15T03:08:03	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	101786	Number of level 1 events

2.1.4 Events

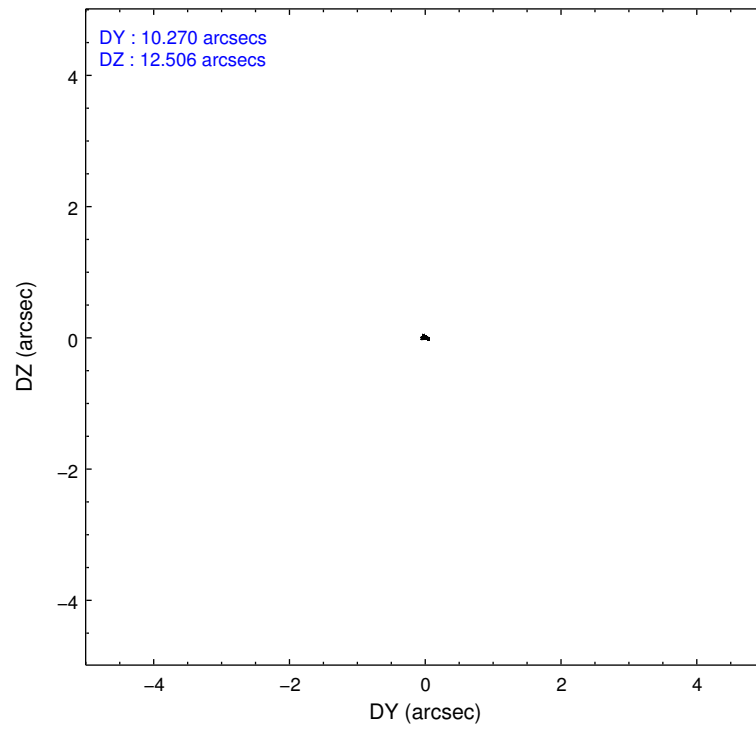
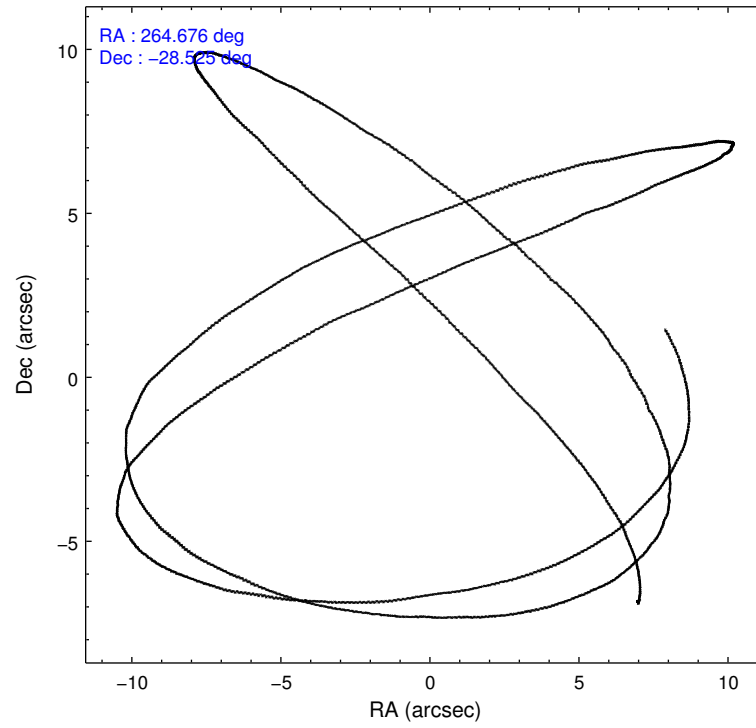
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	19518	18579	20952	19831	22906
rejected events	17401	16344	18927	17781	13703
rejected %	89%	87%	90%	89%	59%

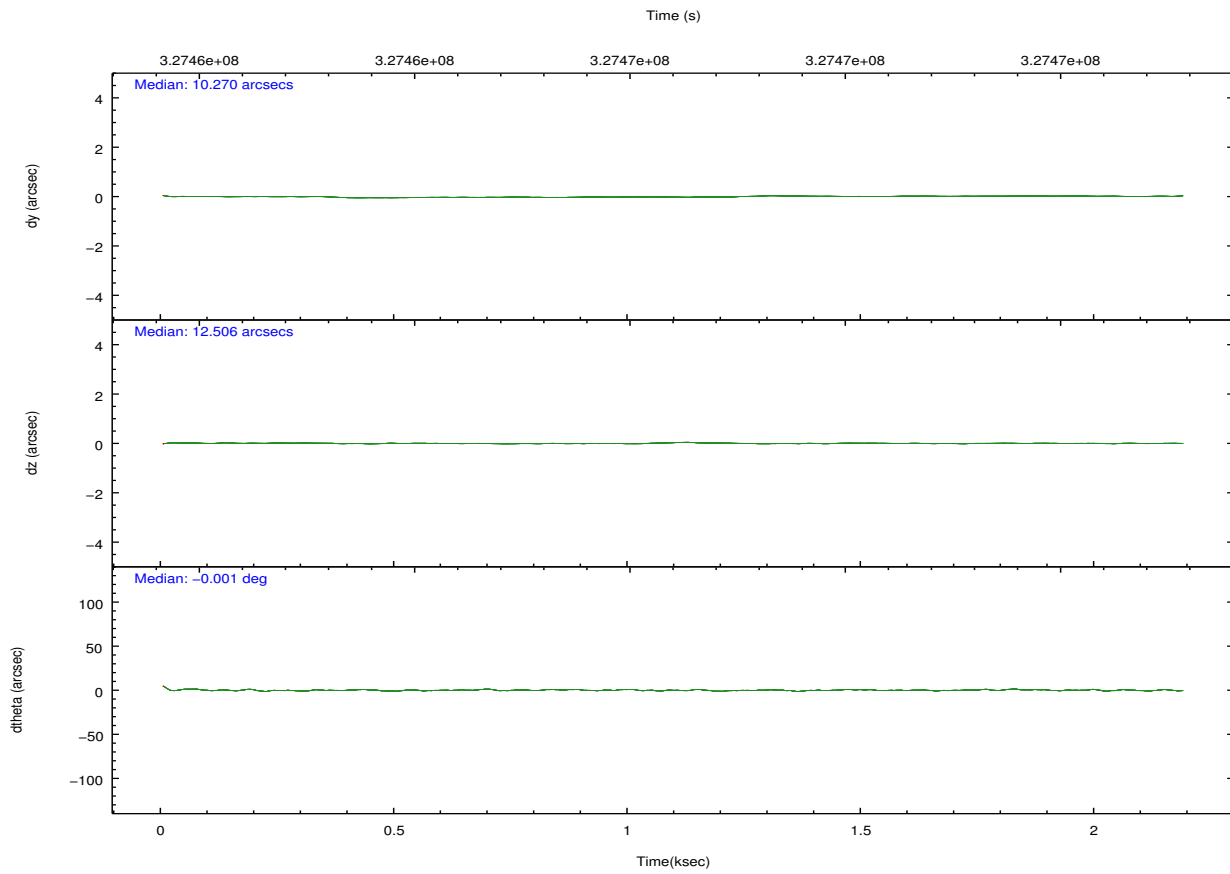
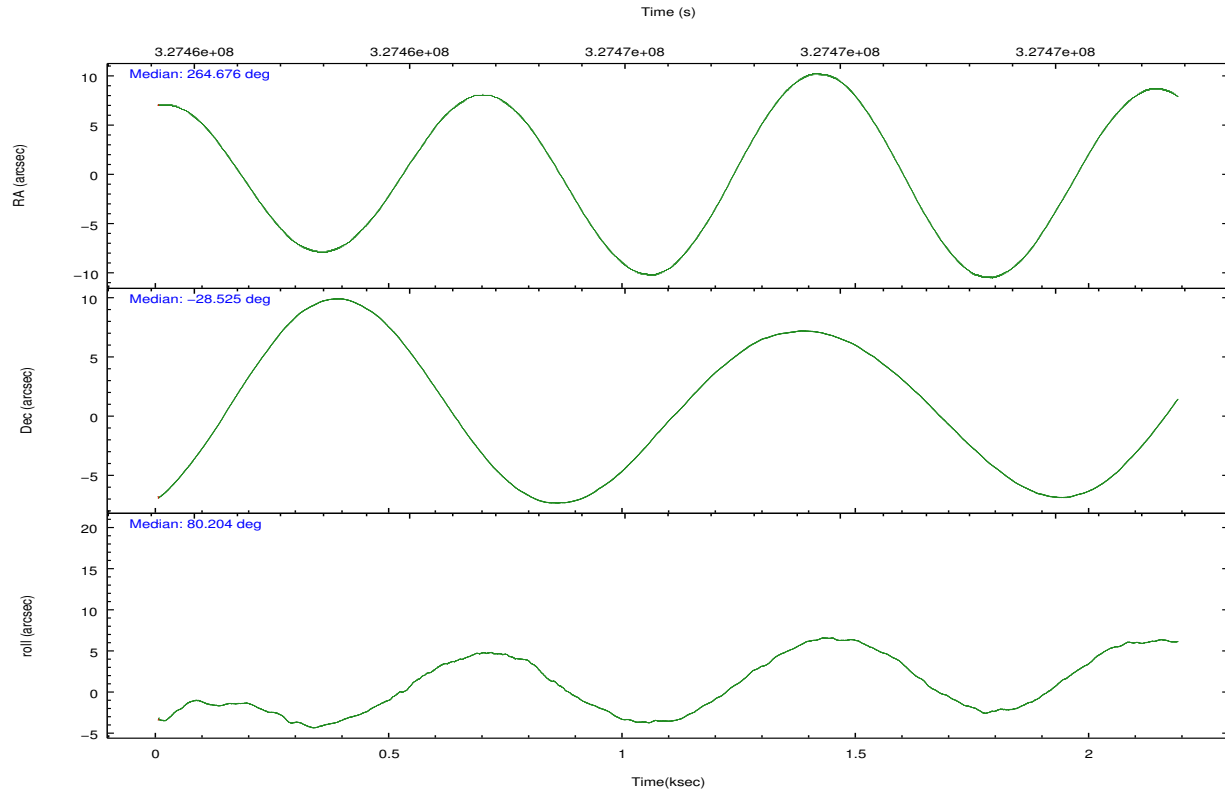
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	1009	1067	999	992	999
	5%	5%	4%	5%	4%
grade 1 events	10	19	11	8	49
	0%	0%	0%	0%	0%
grade 2 events	511	540	484	451	2213
	2%	2%	2%	2%	9%
grade 3 events	251	248	232	249	936
	1%	1%	1%	1%	4%
grade 4 events	243	235	251	253	969
	1%	1%	1%	1%	4%
grade 5 events	715	735	694	808	2348
	3%	3%	3%	4%	10%
grade 6 events	421	482	367	398	5432
	2%	2%	1%	2%	23%
grade 7 events	16358	15253	17914	16672	9960
	83%	82%	85%	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	264.686783	264.675850716169	CCD I2 on	Y	Y
[deg] Pointing Dec	-28.550758	-28.52504381912286	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004653	80.20812326728209	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)	327464704.184000	327464328.05776	CCD S5 on	N	N
Observation start date	2008-05-18T02:23:59	2008-05-18T02:18:48	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327466704.184000	327466838.28288	On-chip summing requested	N	N
Observation end date	2008-05-18T02:57:19	2008-05-18T03:00:38	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



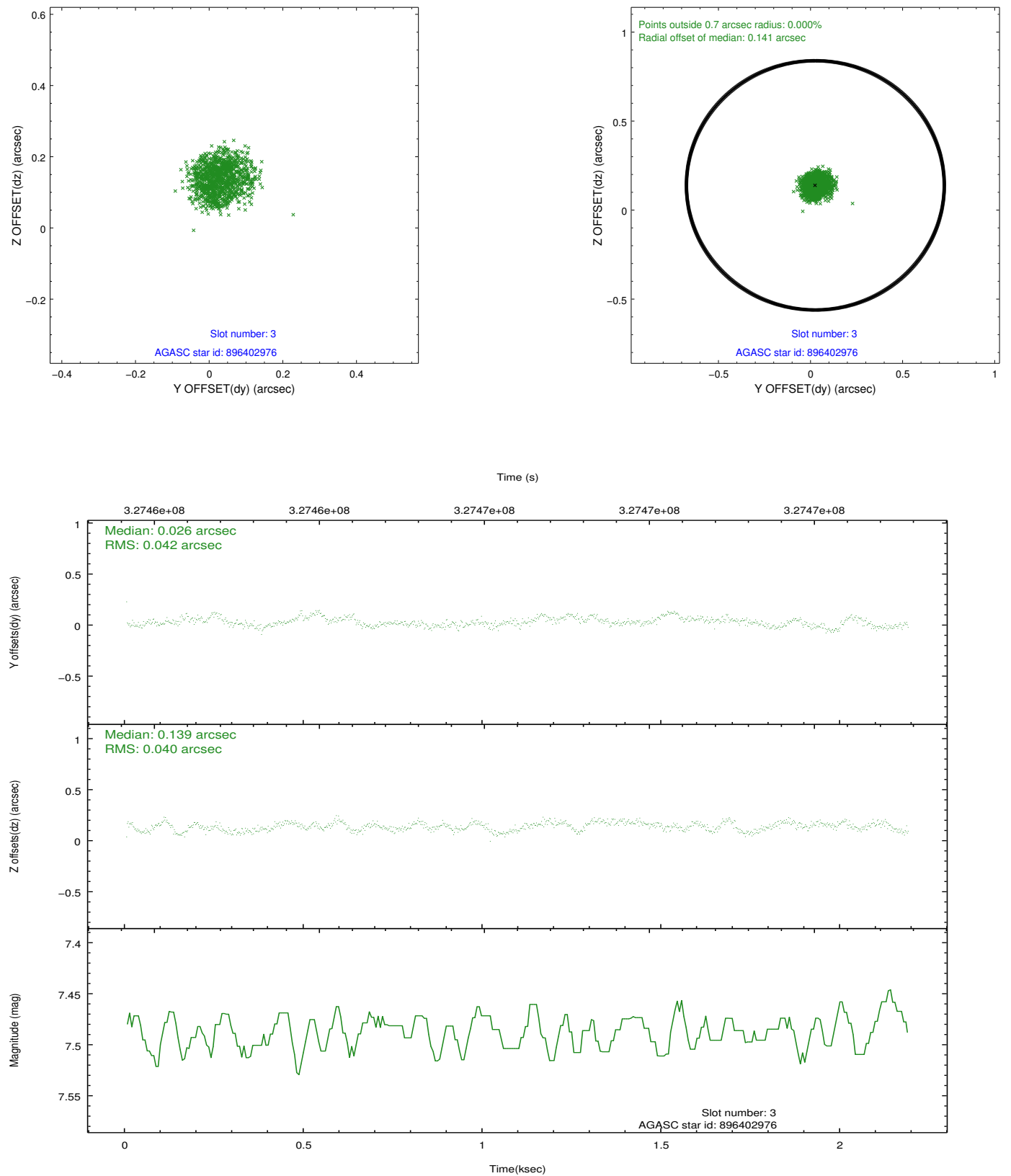


Slot Statistics

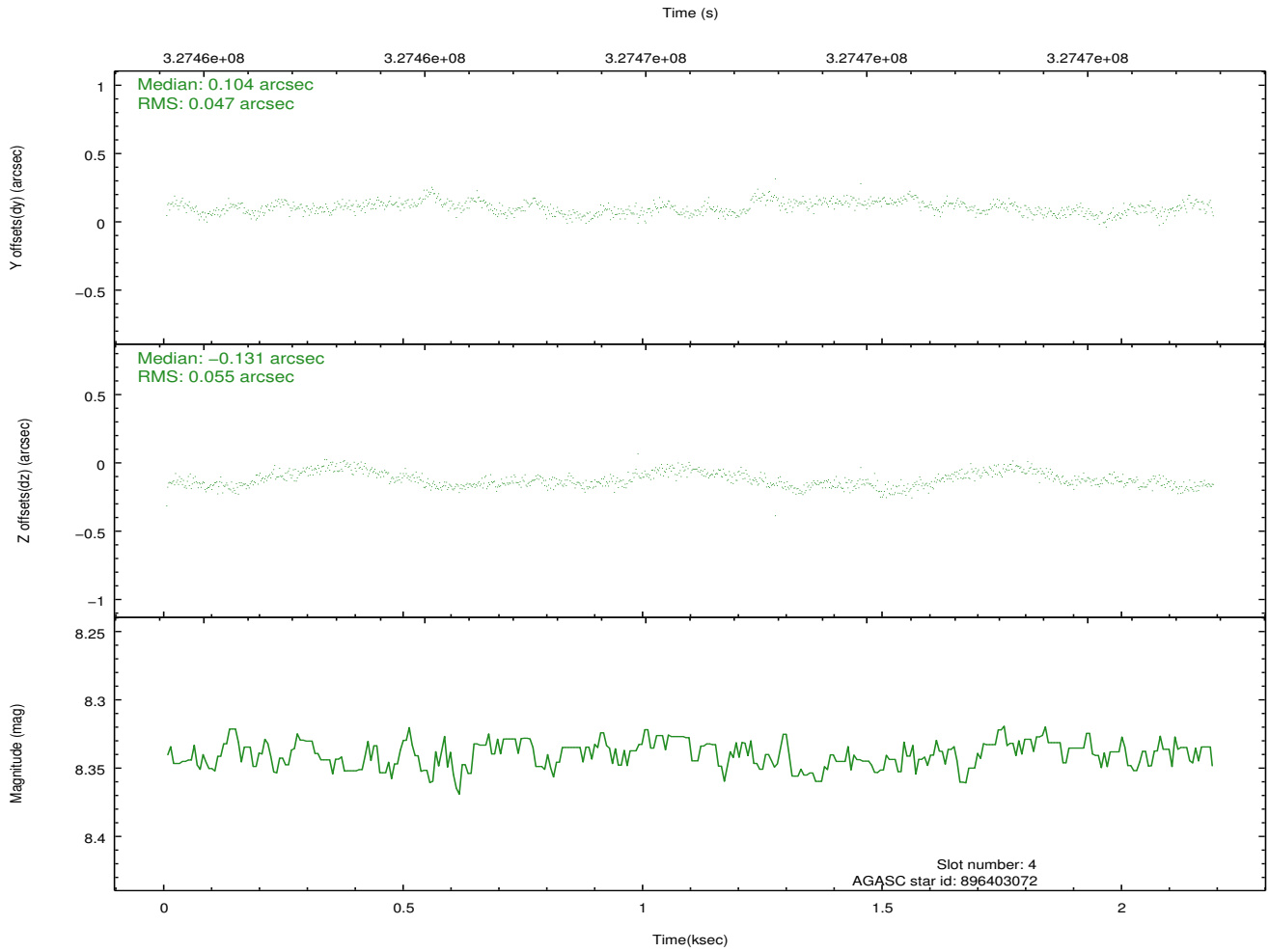
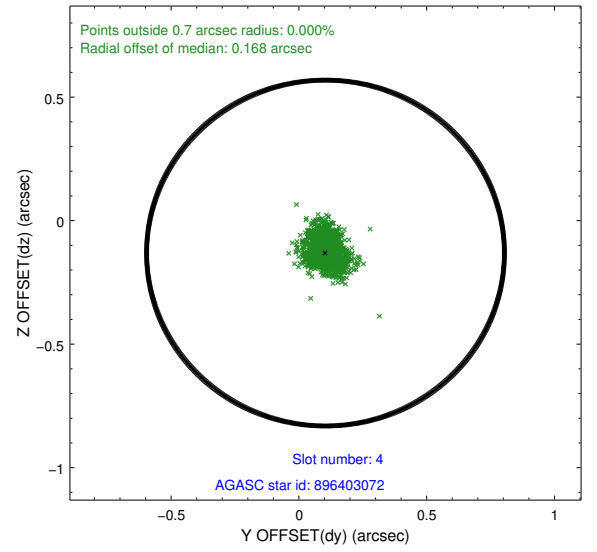
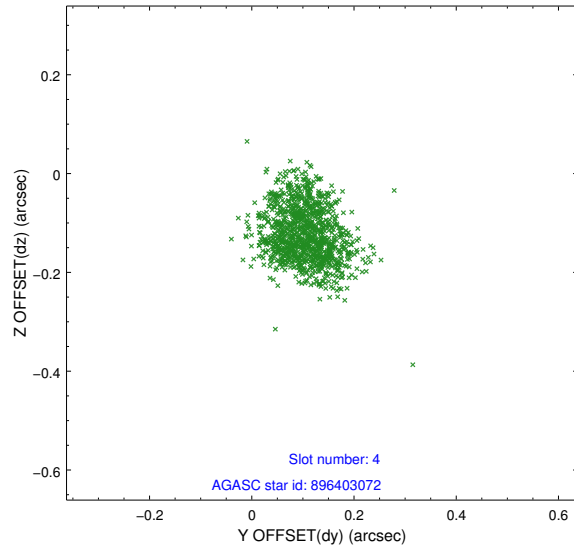
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	6.93	534	-0.076	-0.096	0.009	0.016	0.000000	0.000000	-764.94	-842.49
1	FID	ACIS-I-4	6.98	534	0.167	0.074	0.006	0.012	0.000000	0.000000	2148.04	1062.30
2	FID	ACIS-I-5	7.01	534	-0.192	0.091	0.009	0.014	0.000000	0.000000	-1815.02	1063.63
3	GUIDE	896402976	7.49	1067	0.026	0.139	0.063	0.095	265.099474	-28.923203	-1096.52	-1513.56
4	GUIDE	896403072	8.34	1067	0.104	-0.131	0.076	0.121	263.956439	-28.943077	-1798.02	2018.10
5	GUIDE	896403960	8.55	1067	-0.061	0.071	0.068	0.115	264.379044	-28.245612	909.72	1153.78
6	GUIDE	896405048	8.27	1067	-0.019	-0.080	0.063	0.100	264.482575	-28.152230	1300.96	888.54
7	GUIDE	896406568	8.25	1066	-0.060	-0.012	0.149	0.198	264.435951	-28.437282	265.09	853.74

2.4 Star Slots

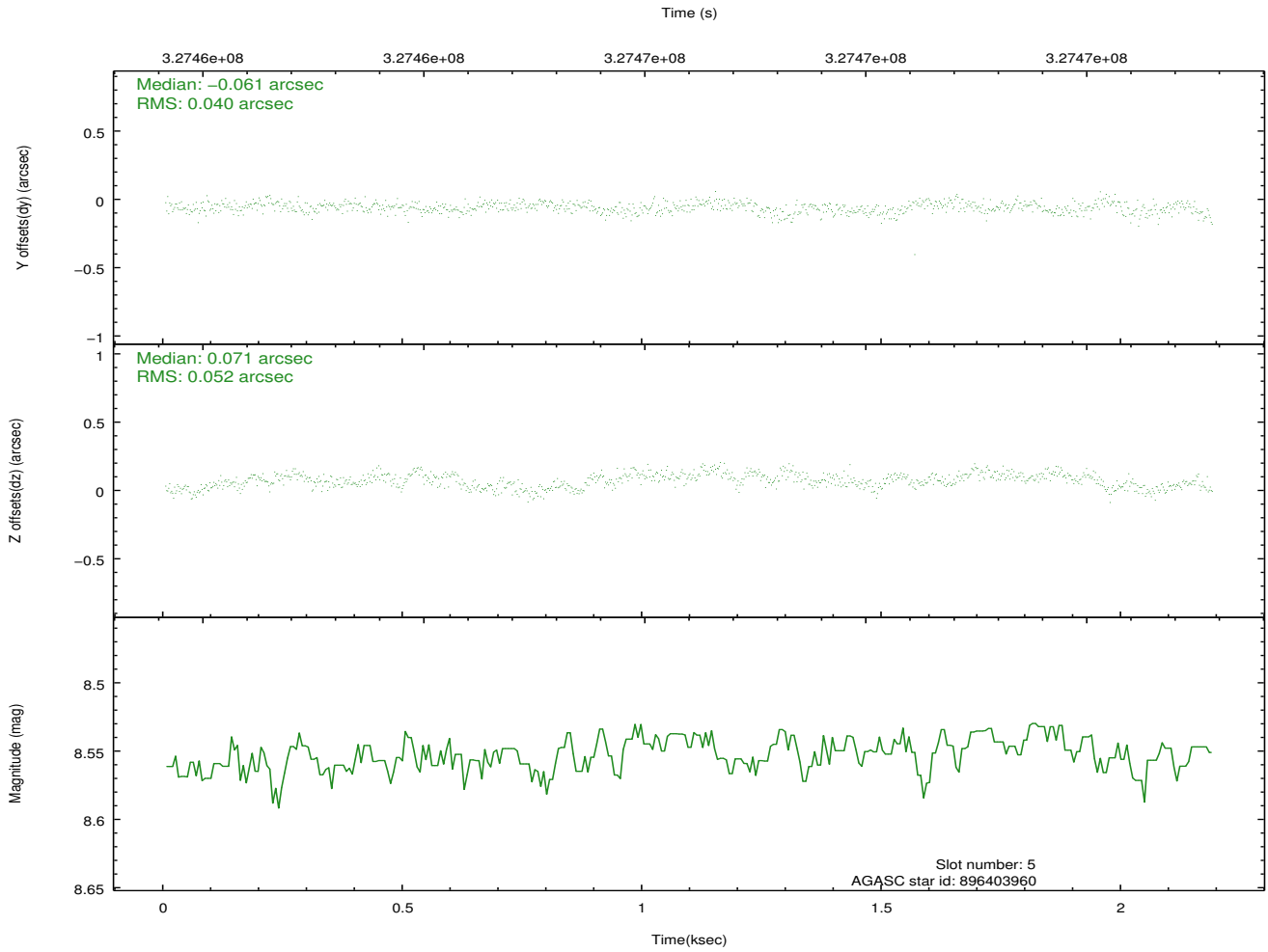
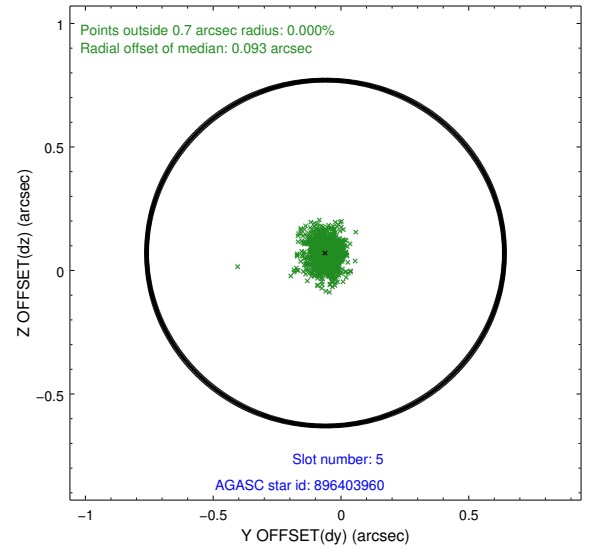
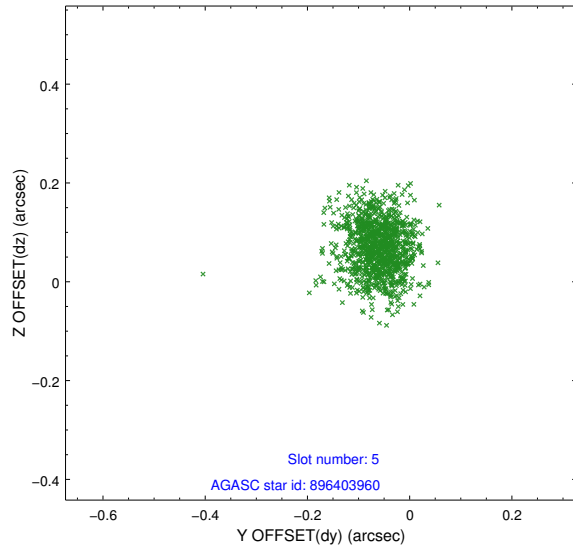
2.4.1 Slot 3



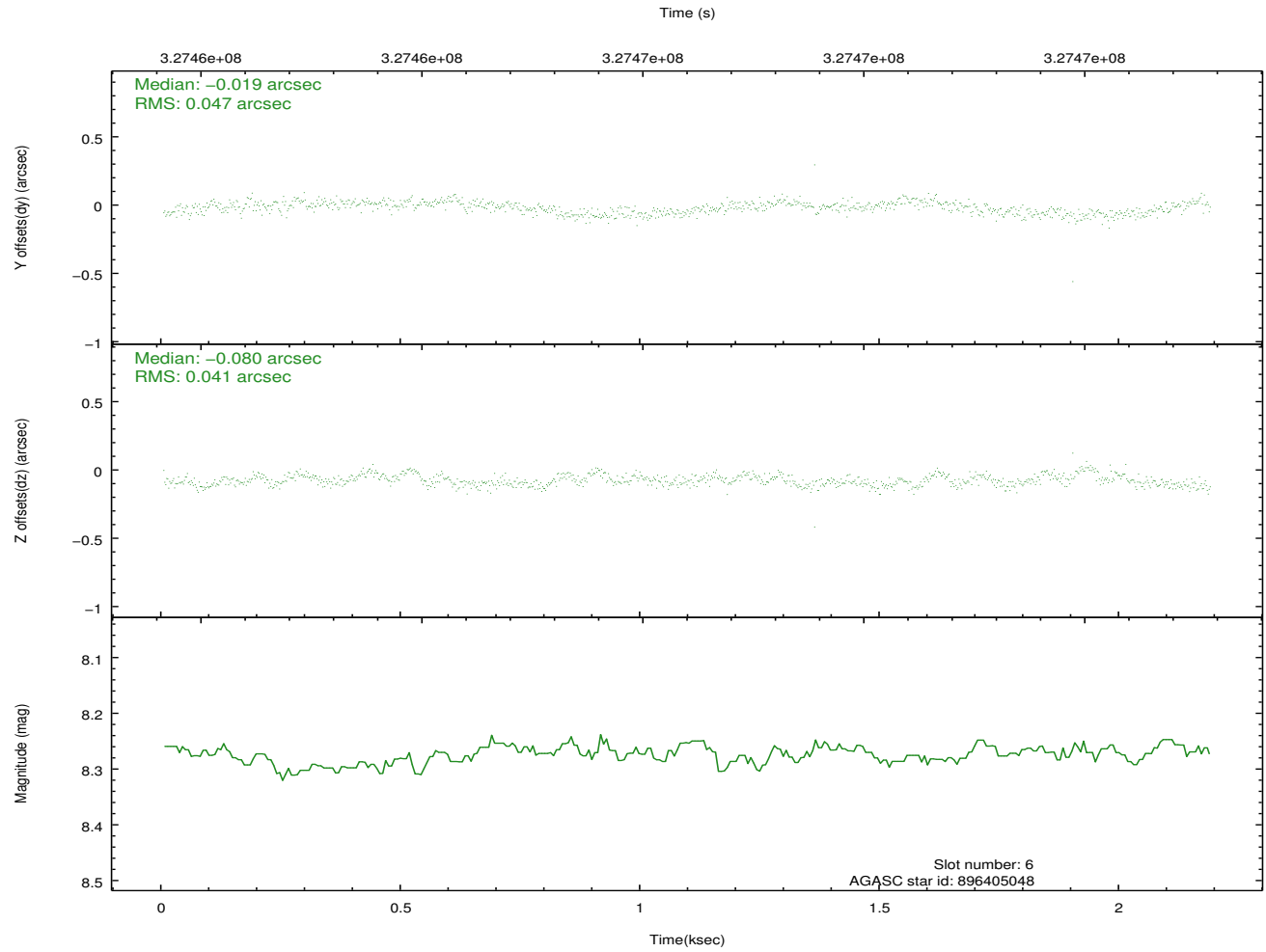
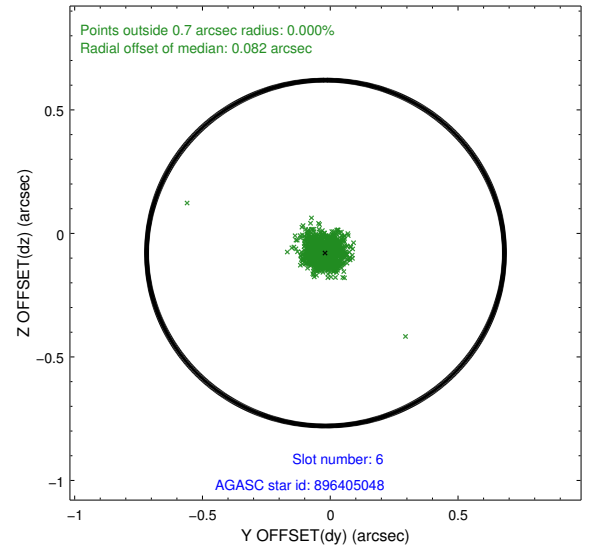
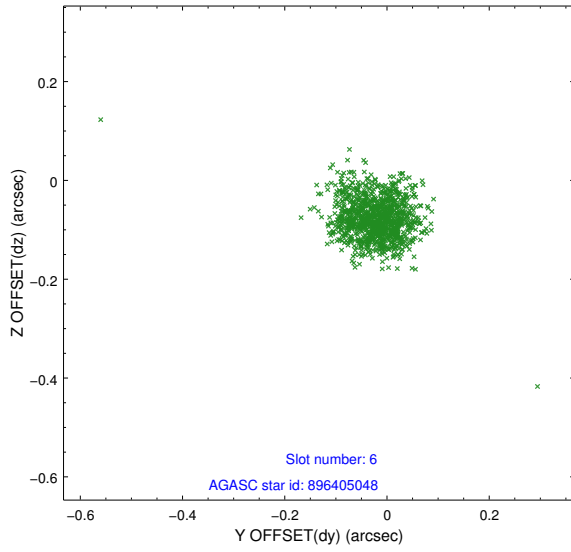
2.4.2 Slot 4



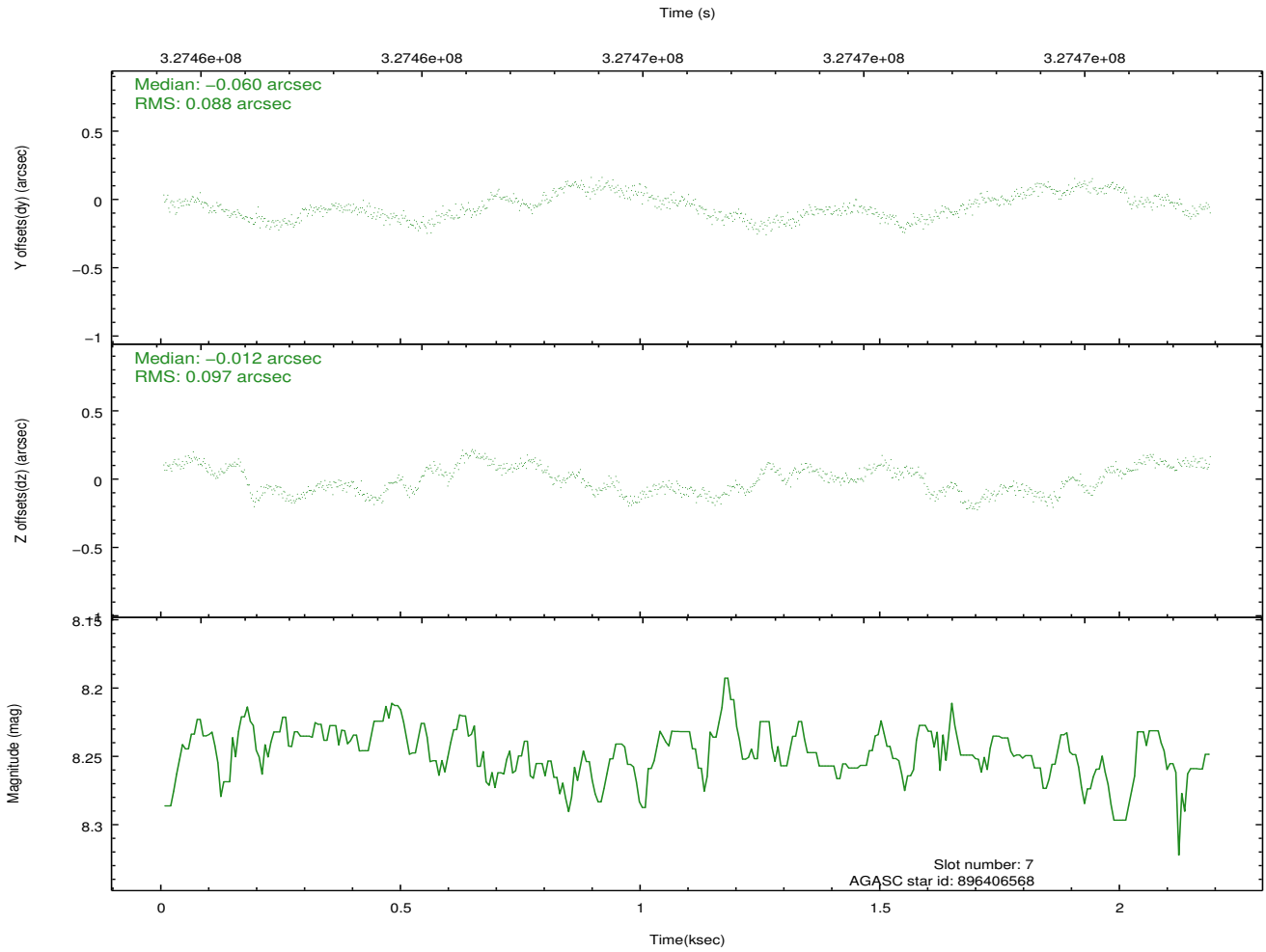
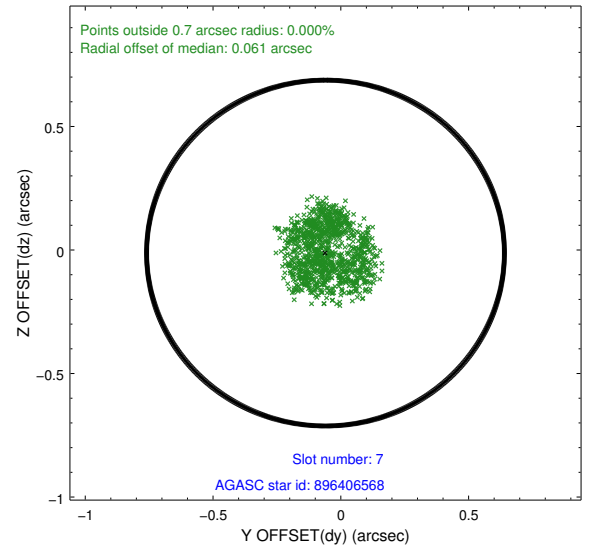
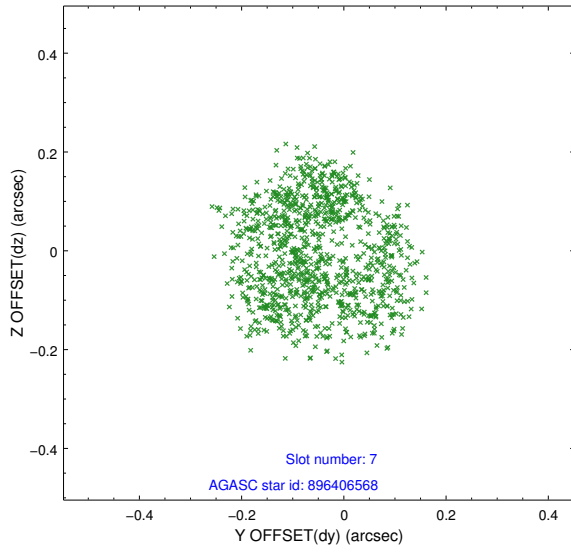
2.4.3 Slot 5



2.4.4 Slot 6

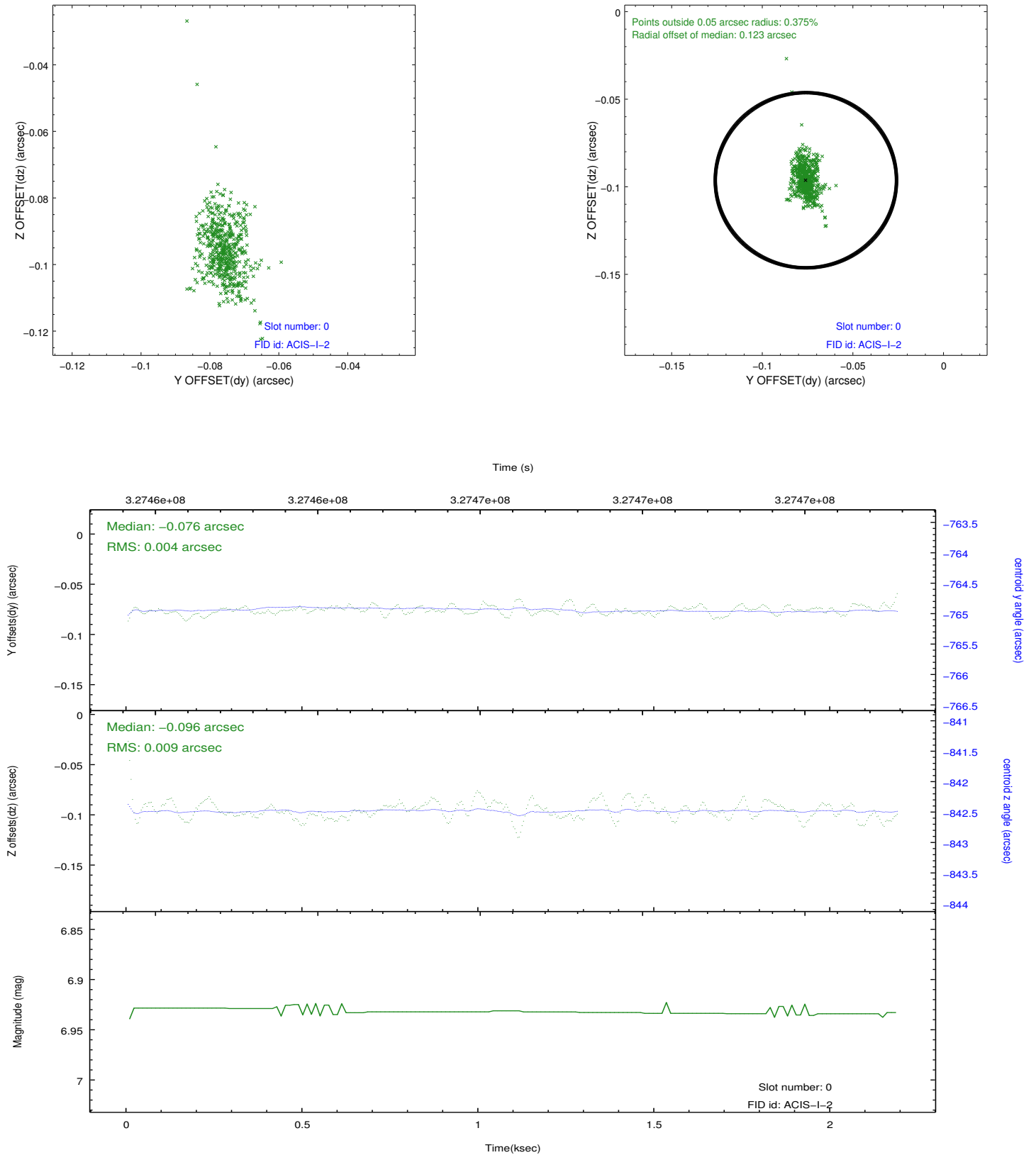


2.4.5 Slot 7

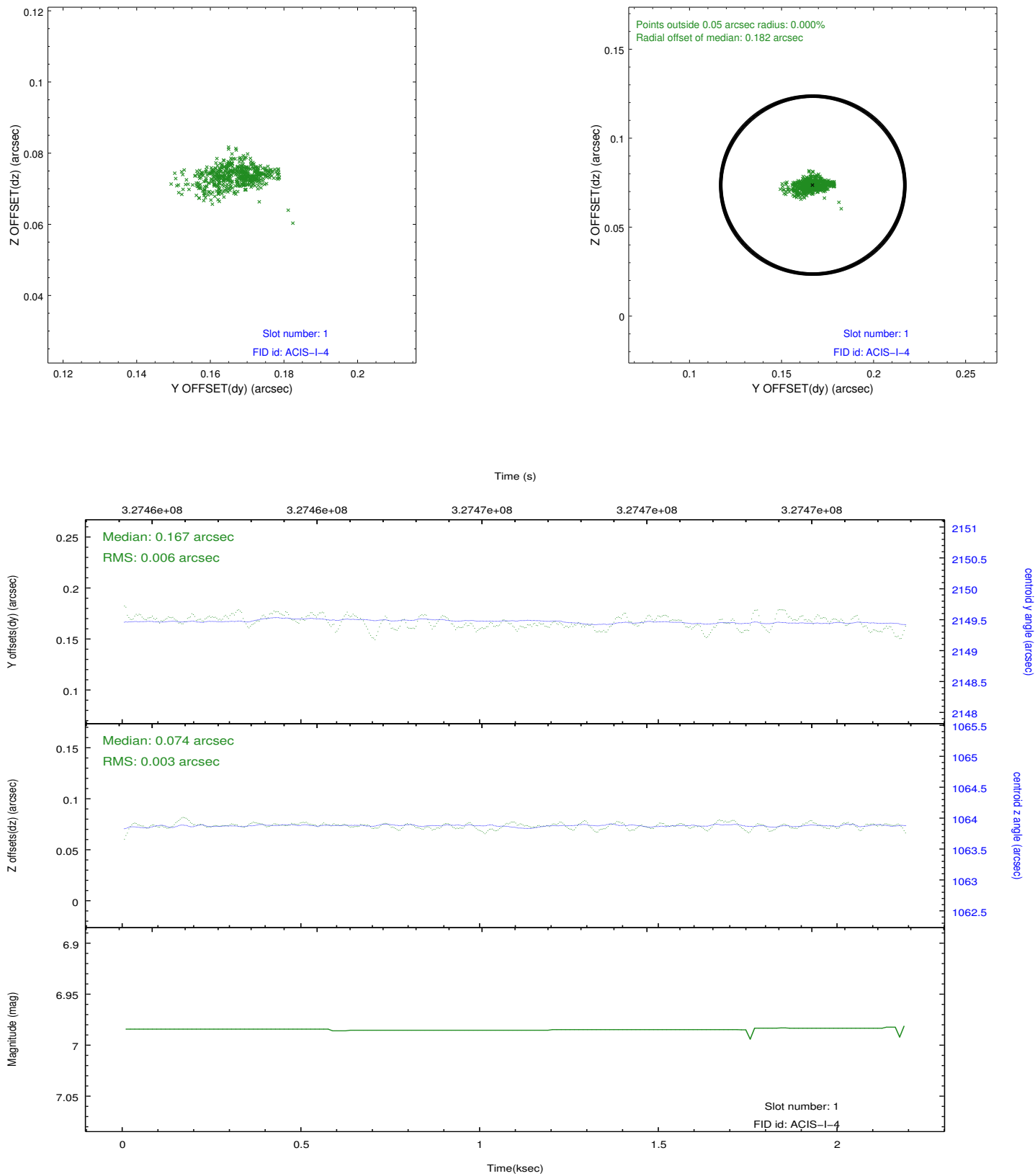


2.5 FID Slots

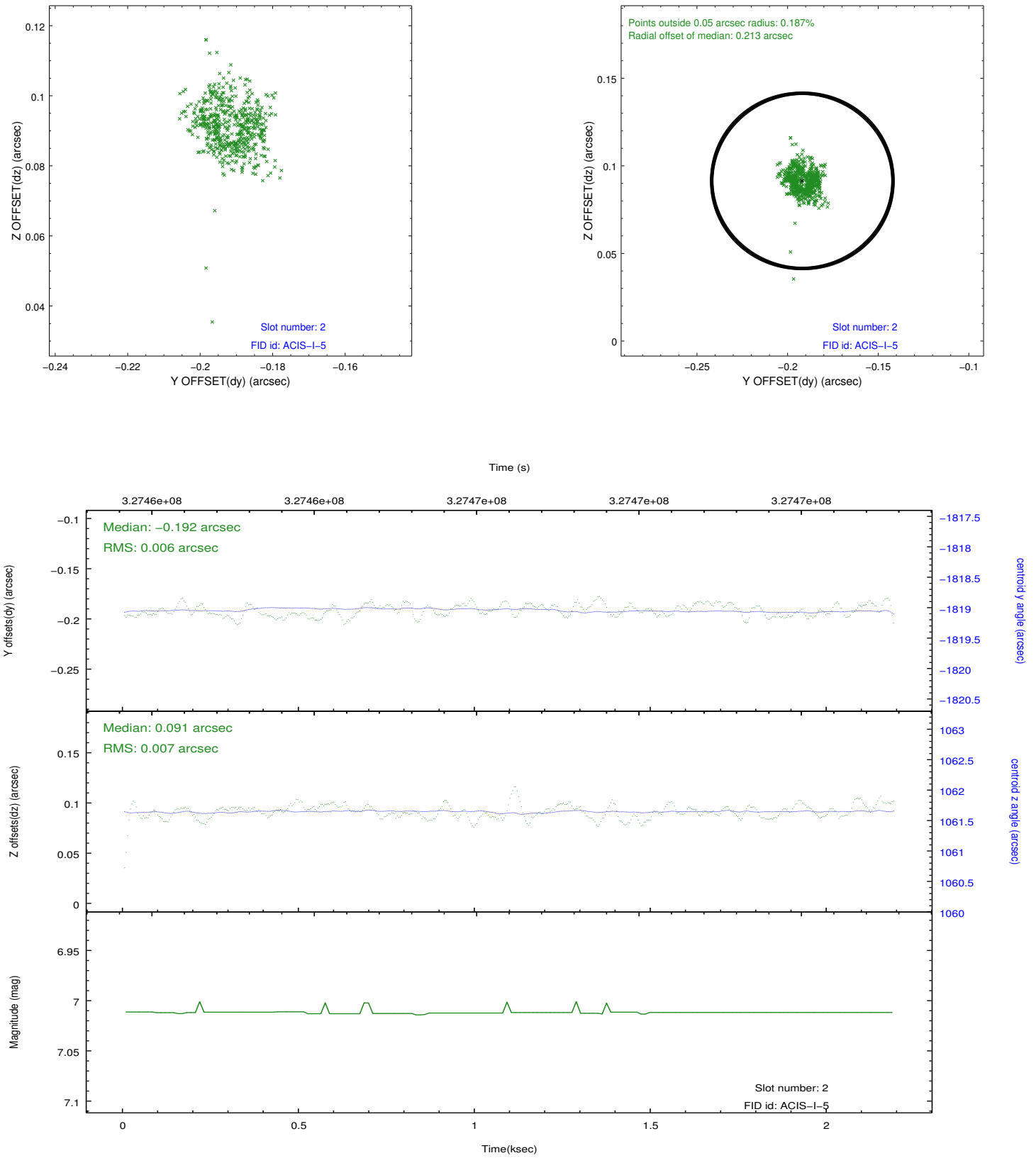
2.5.1 Slot 0



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	2.18550001

A.2 Comments