

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8656 - L2 Version 2
Chandra X-Ray Center

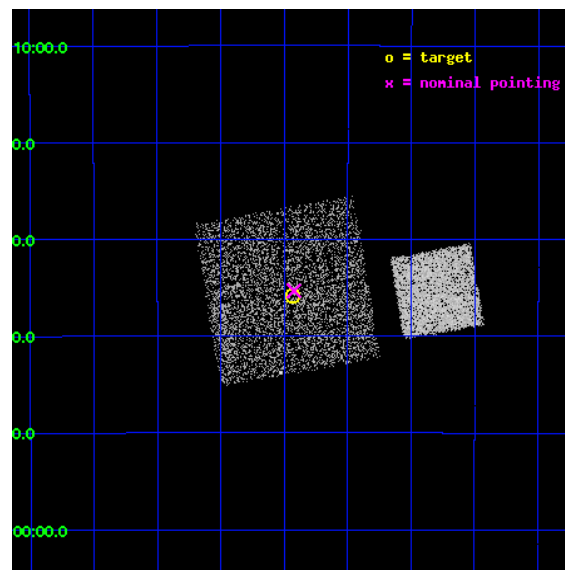
L2 Processing Date : May 14 2012

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

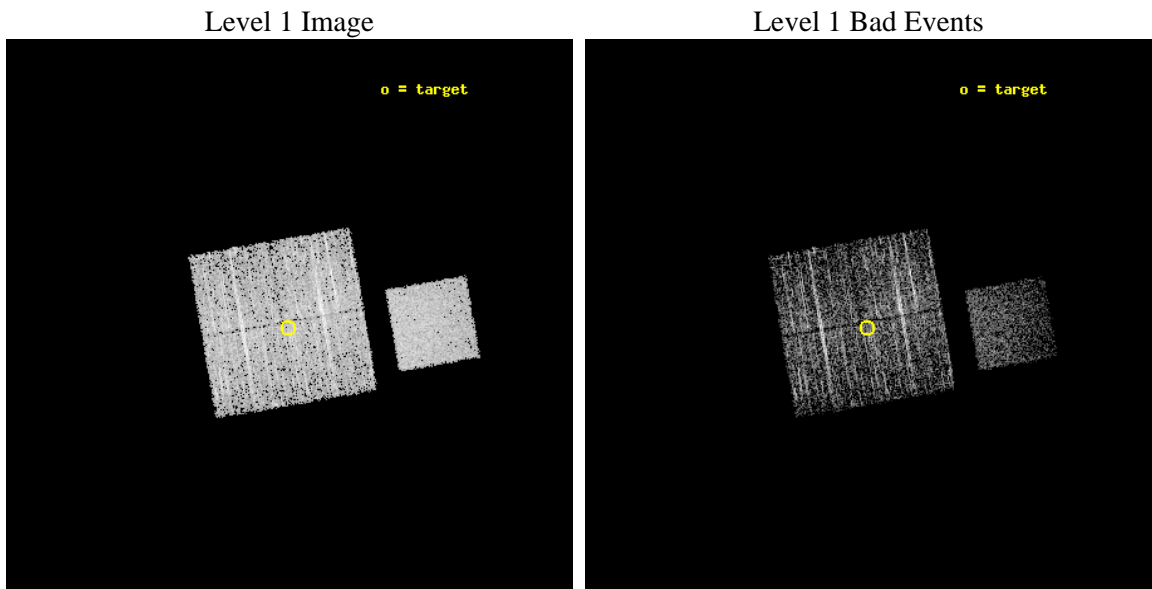
seq_num	400707	Sequence number
obs_id	8656	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	Prof Mariano Mendez	Principal investigator
object	GBSGTO2	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	265.607163	Observer's specified target RA [deg]
dec_targ	-27.597077	Observer's specified target Dec [deg]
ra_nom	265.60599999292	Nominal RA [deg]
dec_nom	-27.588906503714	Nominal Dec [deg]
roll_nom	80.20815732723	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	15731	Number of level 2 events



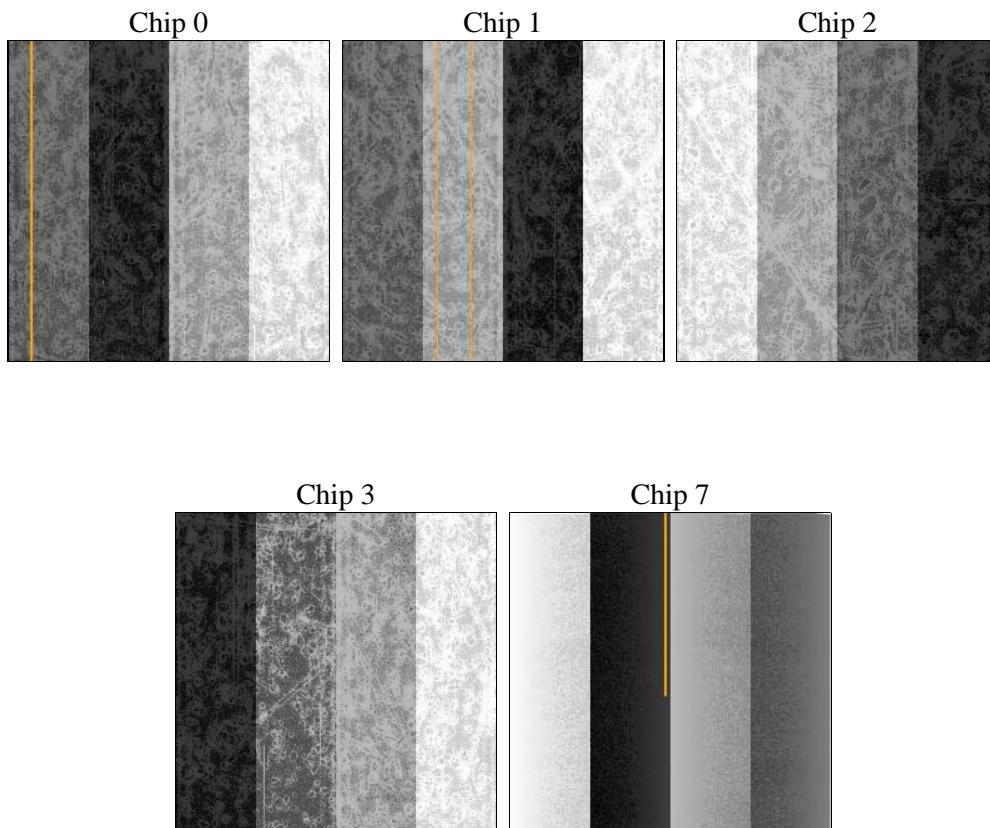
2 OBI

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	2012-05-15T00:15:48	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	102588	Number of level 1 events

2.1.4 Events

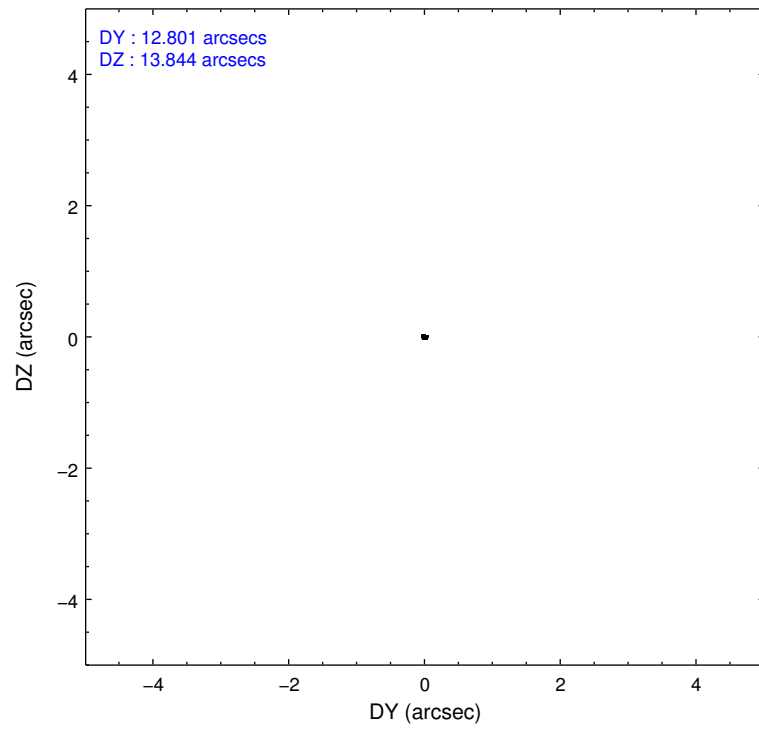
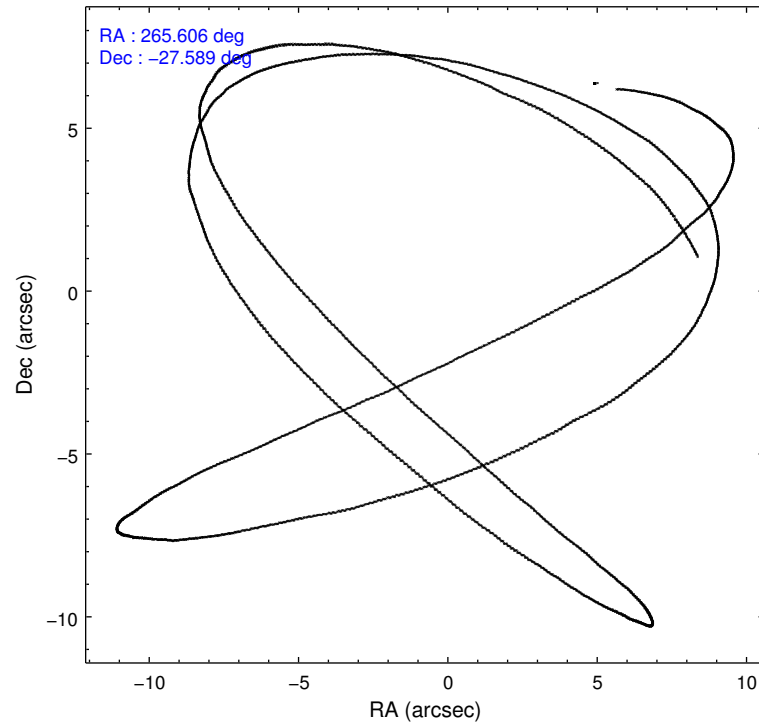
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	19352	19228	21848	19561	22599
rejected events	17283	17010	19907	17607	13469
rejected %	89%	88%	91%	90%	59%

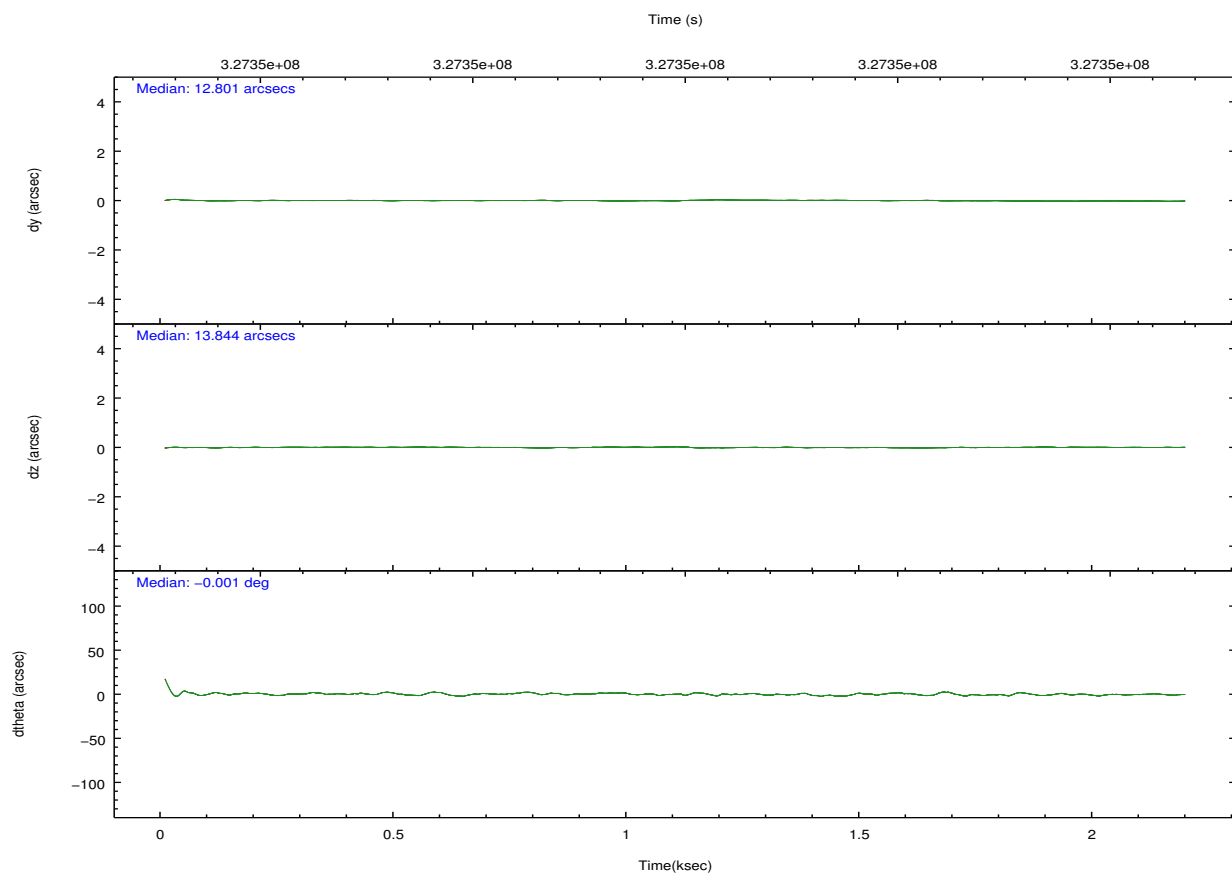
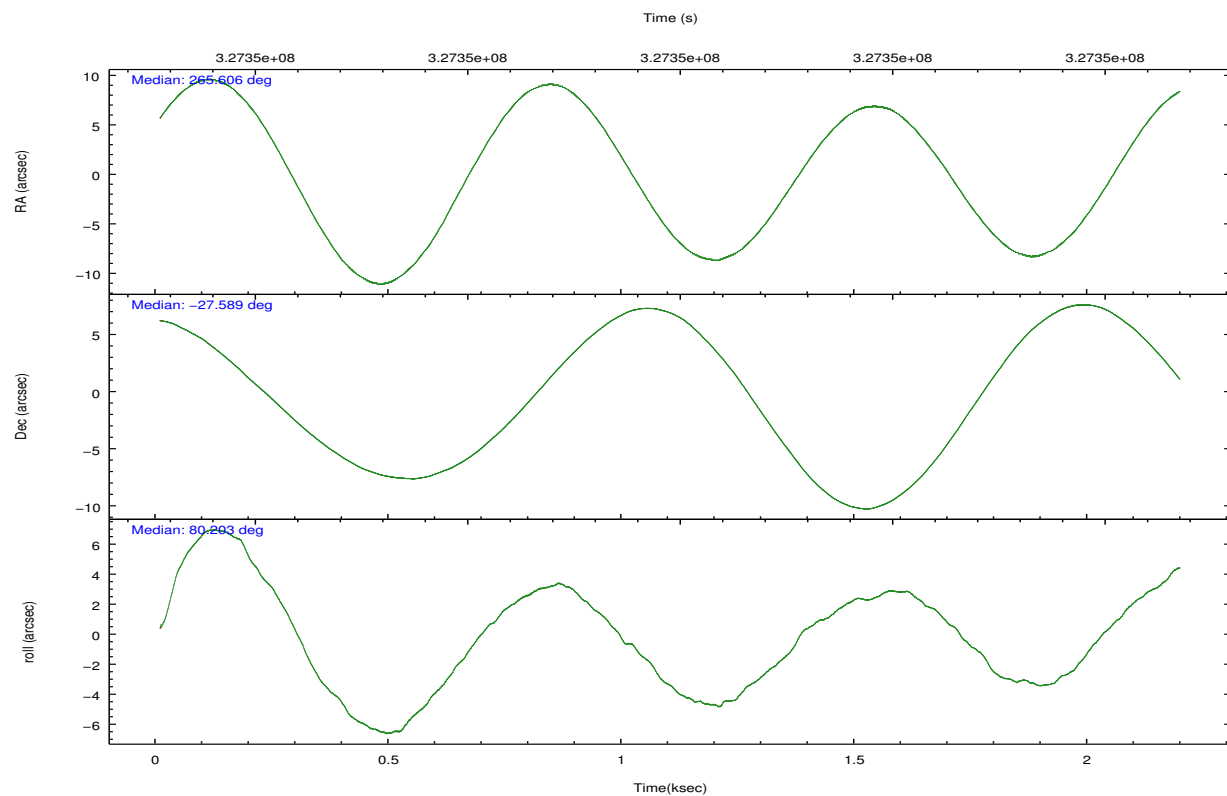
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	953	1053	890	896	977
	4%	5%	4%	4%	4%
grade 1 events	10	13	20	14	31
	0%	0%	0%	0%	0%
grade 2 events	516	560	535	433	2168
	2%	2%	2%	2%	9%
grade 3 events	249	247	238	234	981
	1%	1%	1%	1%	4%
grade 4 events	207	260	250	222	993
	1%	1%	1%	1%	4%
grade 5 events	657	739	630	854	2348
	3%	3%	2%	4%	10%
grade 6 events	415	424	357	406	5350
	2%	2%	1%	2%	23%
grade 7 events	16345	15932	18928	16502	9751
	84%	82%	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	265.616804	265.6059999929163	CCD I2 on	Y	Y
[deg] Pointing Dec	-27.614834	-27.58890650371402	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004468	80.20815732722967	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)	327352073.184000	327351696.95227	CCD S5 on	N	N
Observation start date	2008-05-16T19:06:48	2008-05-16T19:01:36	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327354073.184000	327354207.1774	On-chip summing requested	N	N
Observation end date	2008-05-16T19:40:08	2008-05-16T19:43:27	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



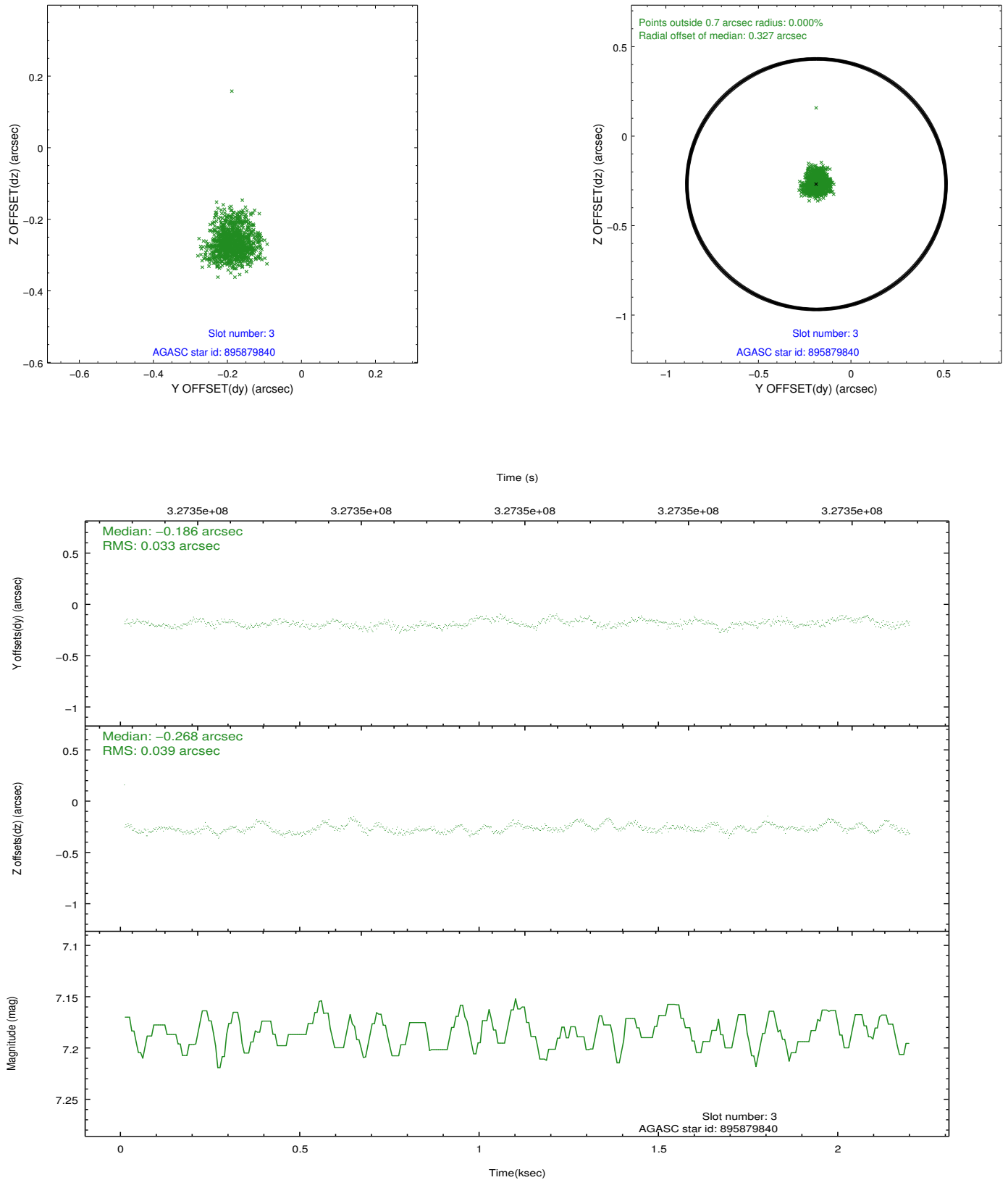


Slot Statistics

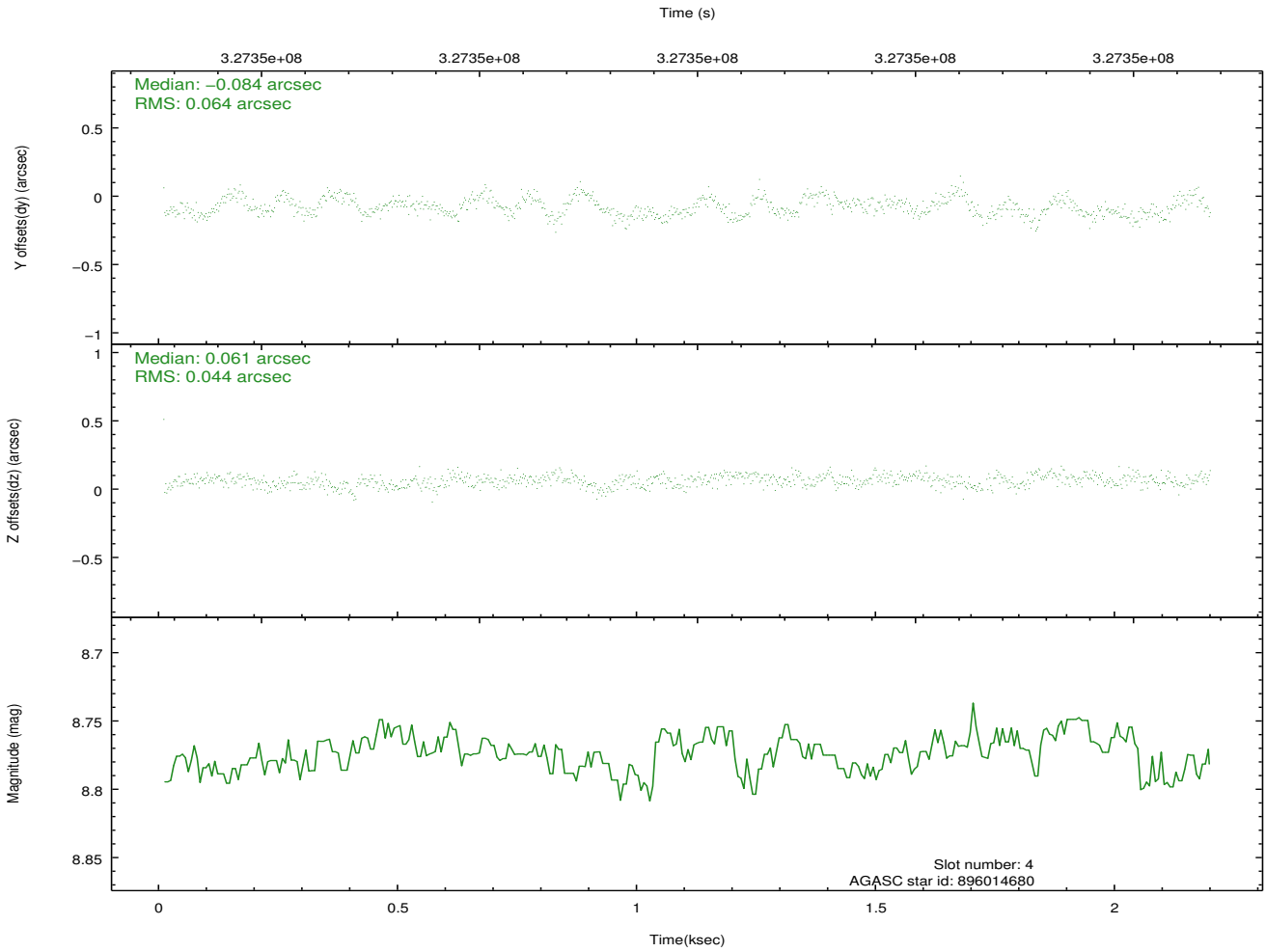
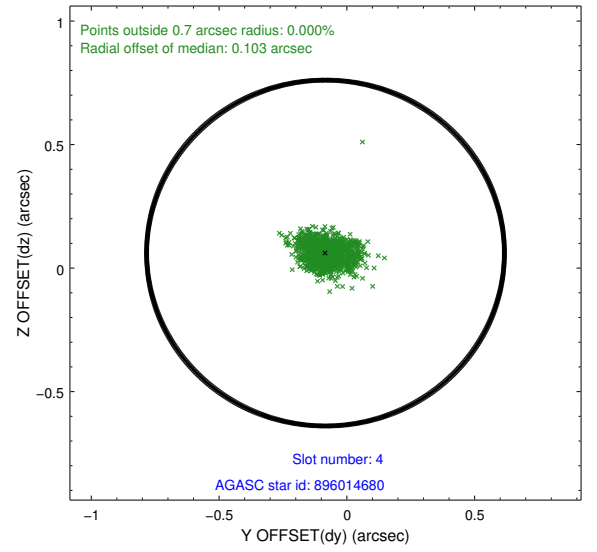
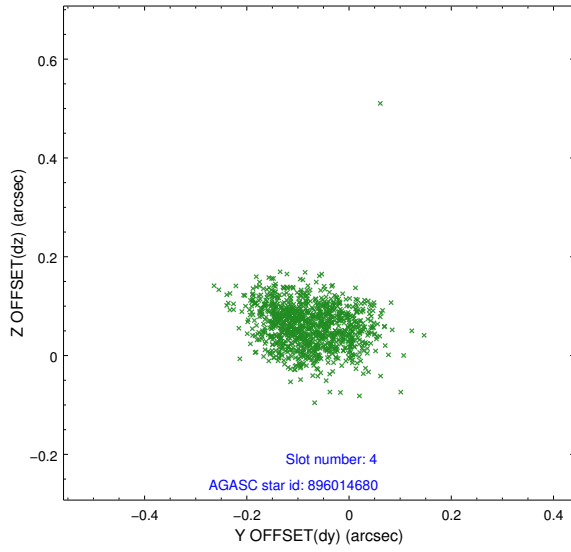
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.06	535	-0.063	0.088	0.010	0.017	0.000000	0.000000	926.64	-837.34
1	FID	ACIS-I-2	6.98	535	-0.127	-0.089	0.009	0.014	0.000000	0.000000	-765.86	-845.41
2	FID	ACIS-I-4	6.99	535	0.091	0.068	0.007	0.014	0.000000	0.000000	2145.36	1060.92
3	GUIDE	895879840	7.19	1069	-0.186	-0.268	0.054	0.086	265.218397	-27.395778	552.86	1390.76
4	GUIDE	896014680	8.77	1066	-0.084	0.061	0.082	0.131	266.460330	-27.216583	1872.07	-2410.55
5	GUIDE	896402656	8.85	1068	0.173	-0.036	0.073	0.119	265.739192	-28.230753	-2114.77	-769.48
6	GUIDE	896538248	8.89	1069	-0.003	0.089	0.085	0.134	266.238138	-28.240101	-1881.81	-2332.89
7	GUIDE	896539744	8.34	1067	0.095	0.159	0.082	0.132	266.154264	-28.178023	-1706.17	-2034.24

2.4 Star Slots

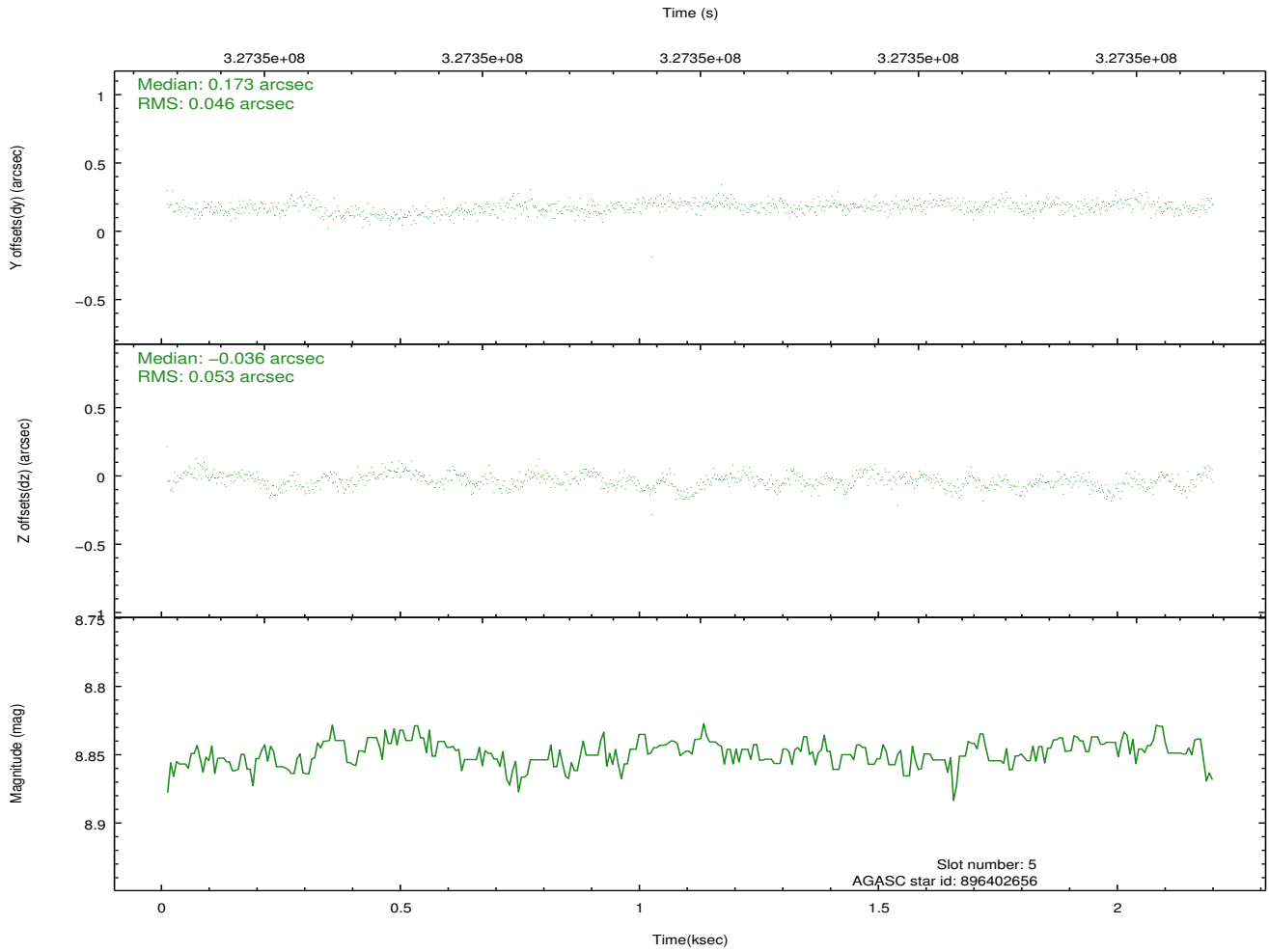
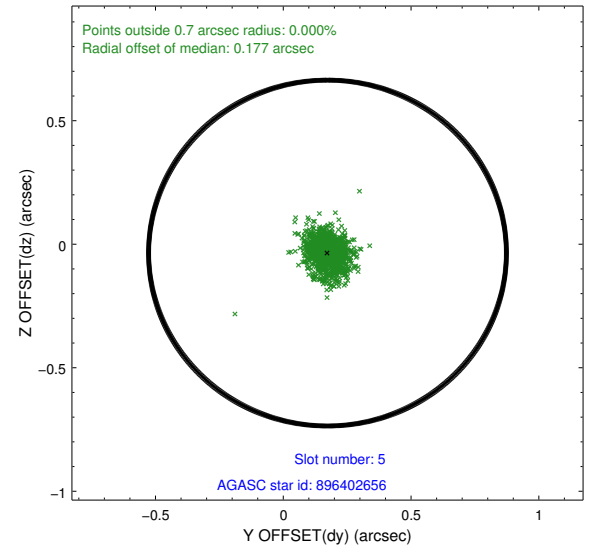
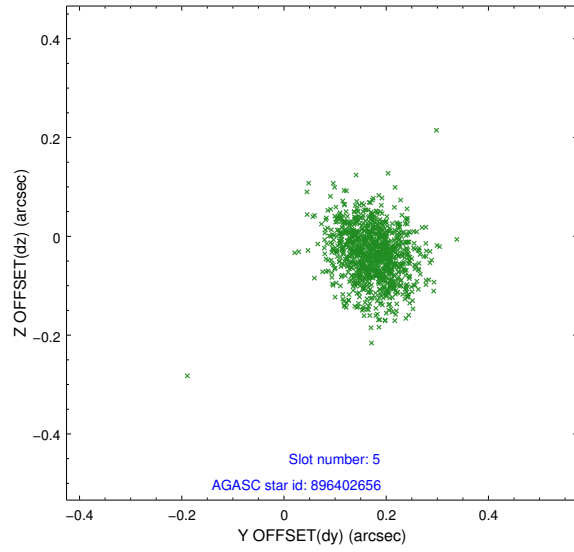
2.4.1 Slot 3



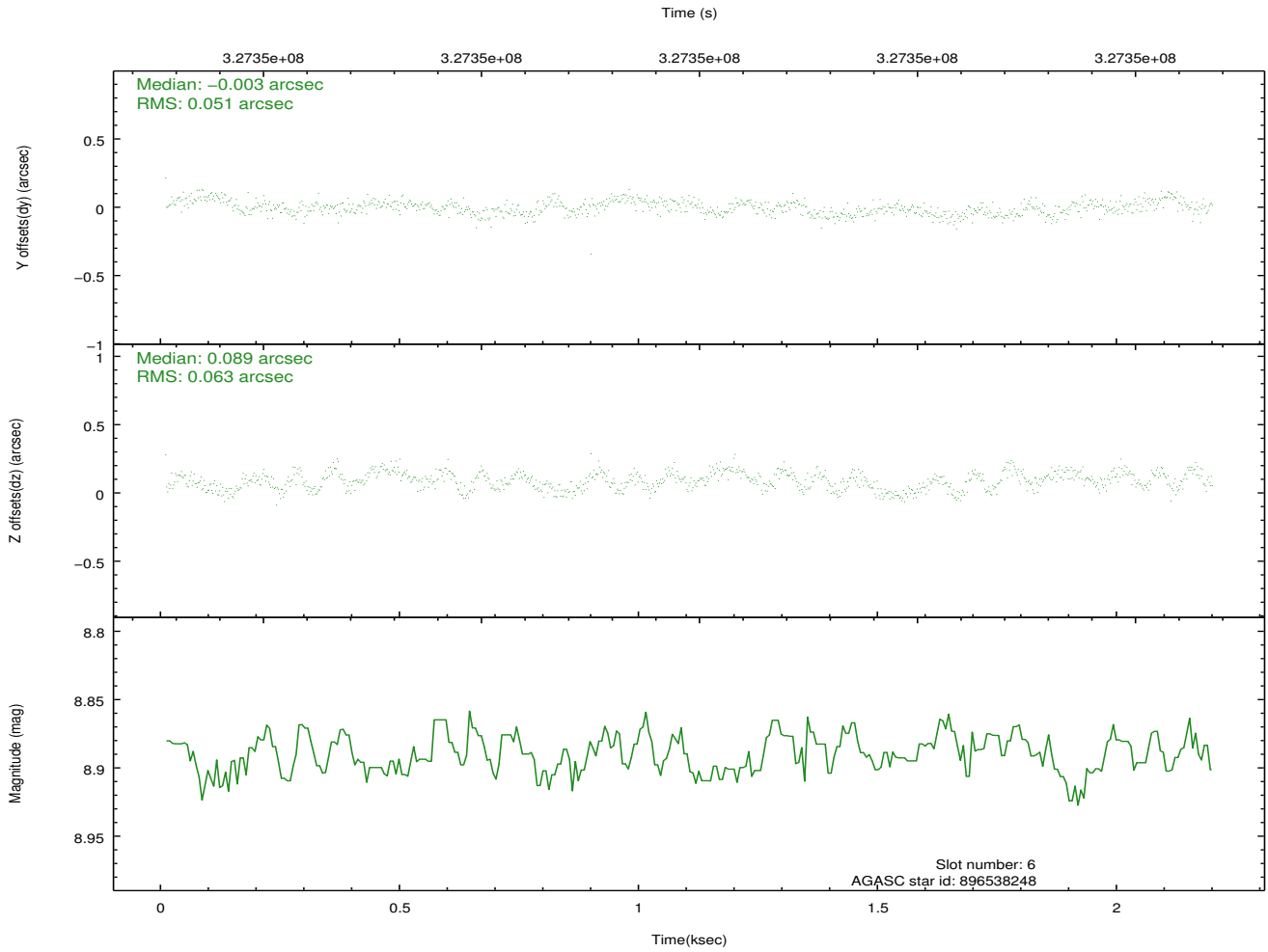
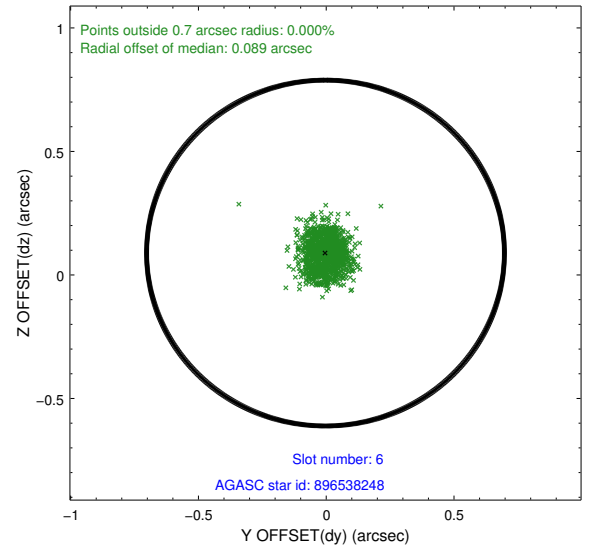
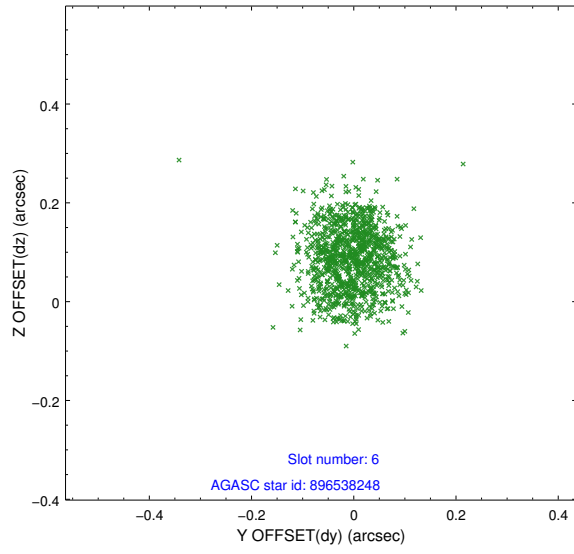
2.4.2 Slot 4



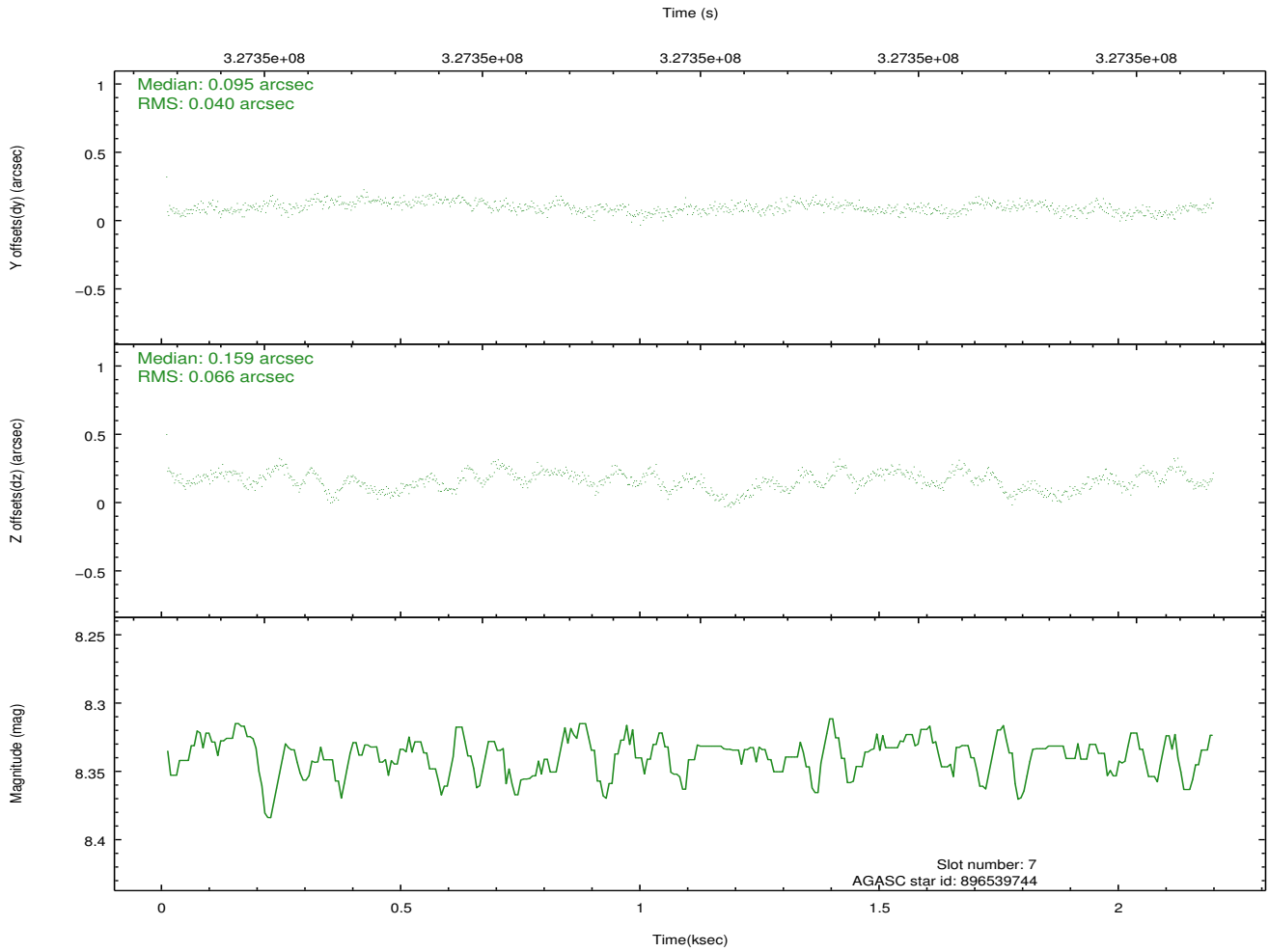
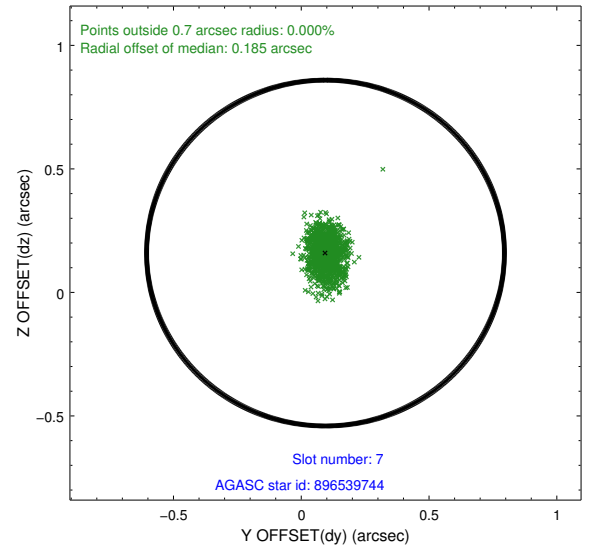
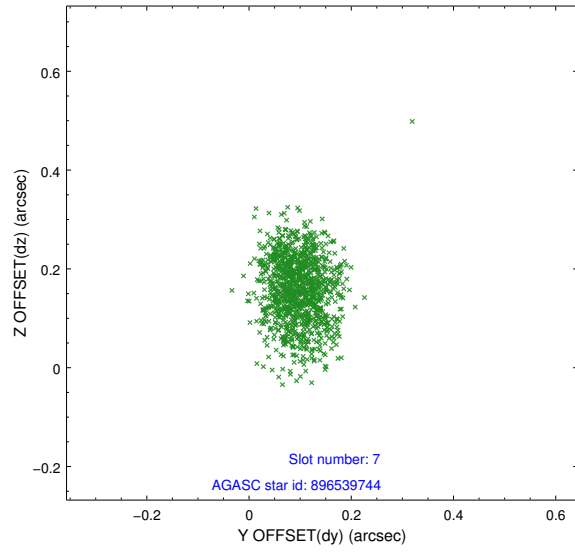
2.4.3 Slot 5



2.4.4 Slot 6

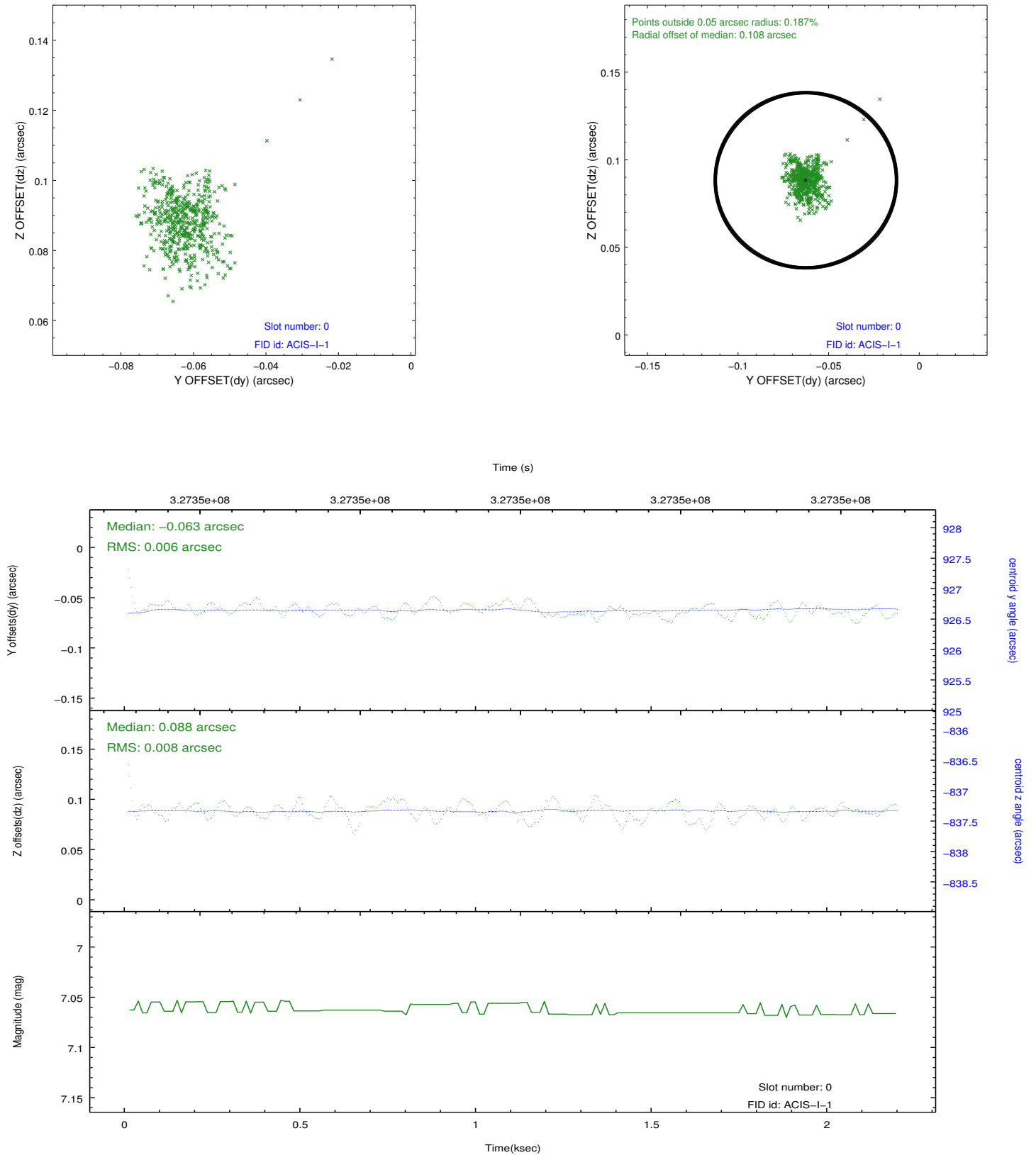


2.4.5 Slot 7

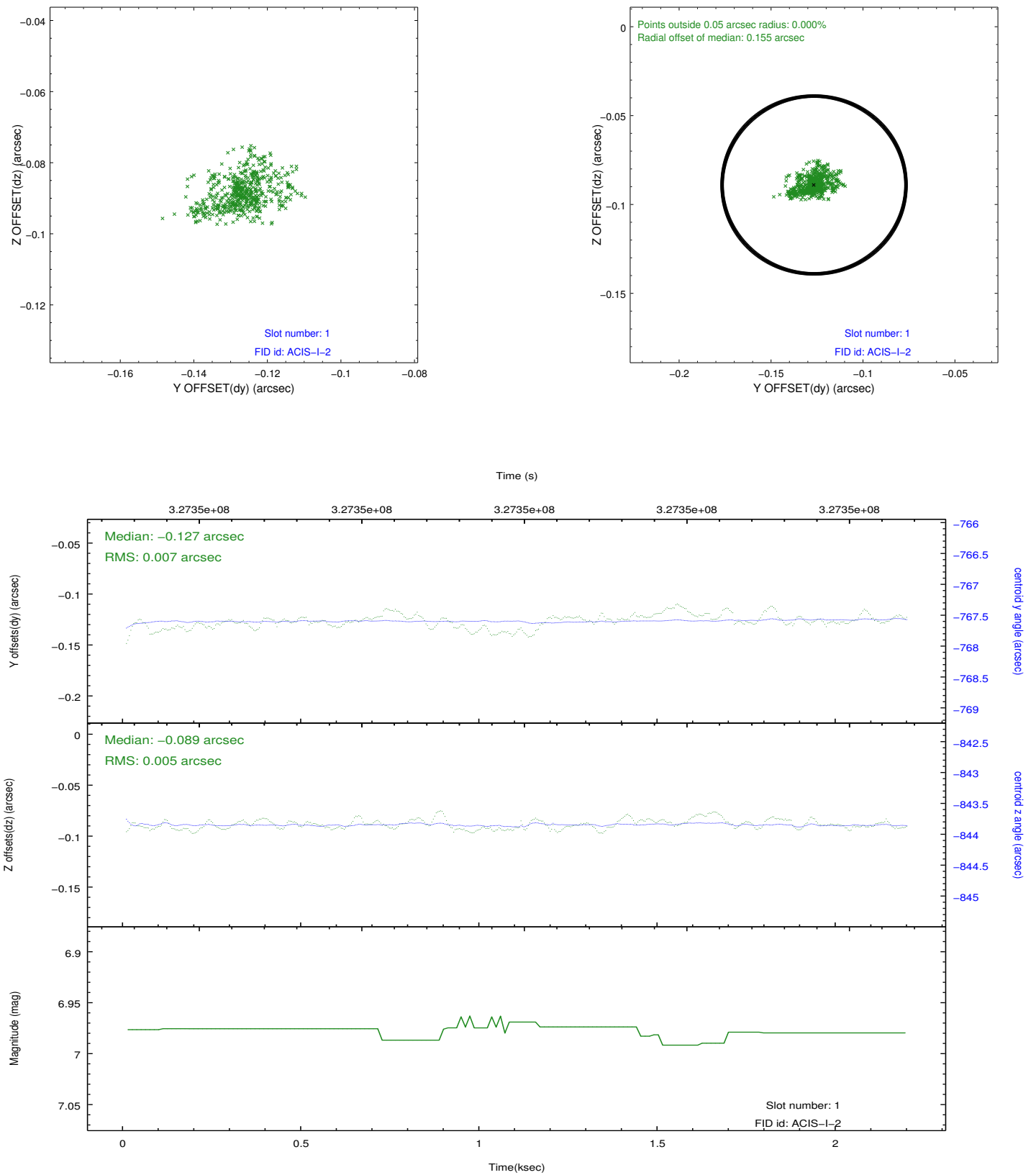


2.5 FID Slots

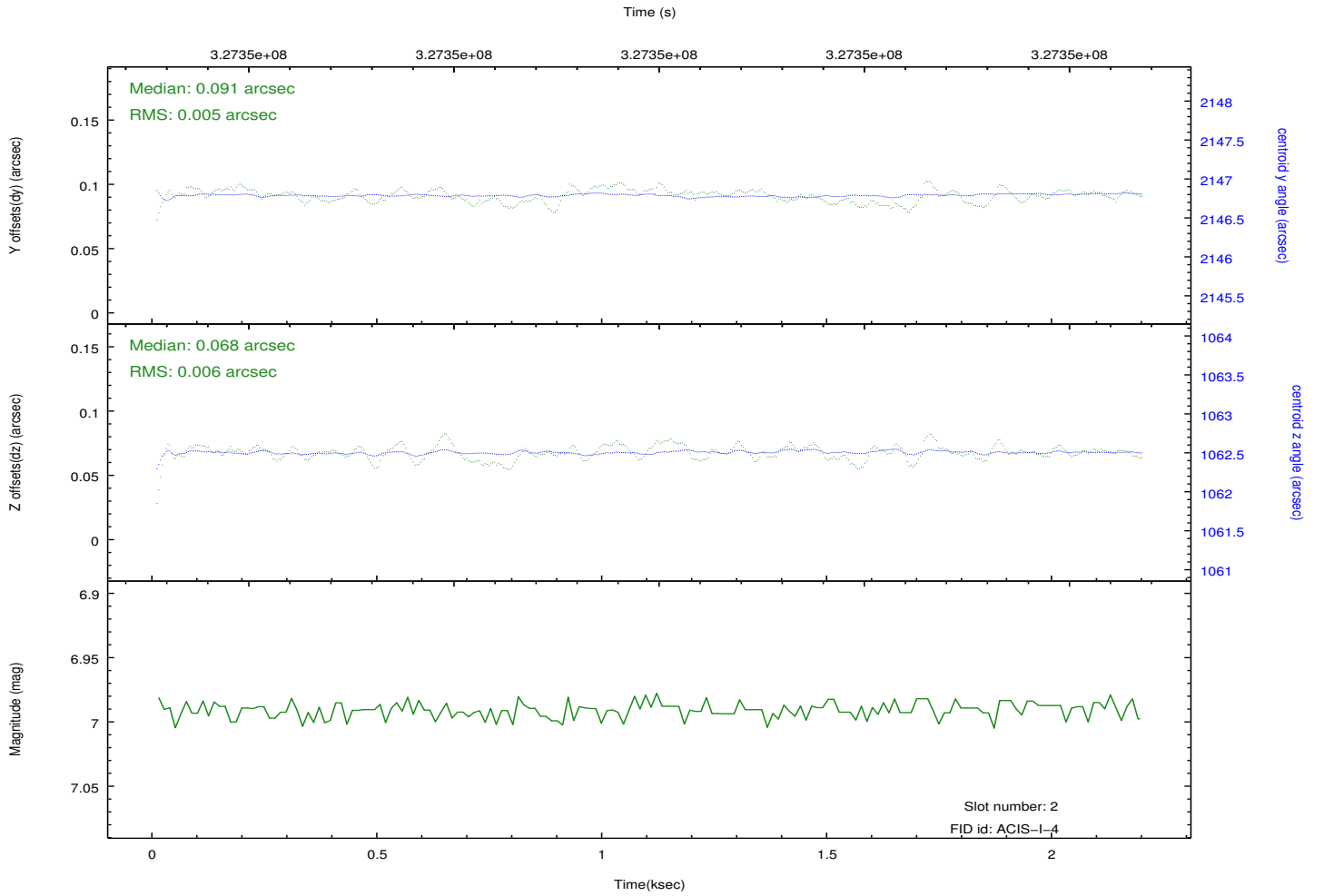
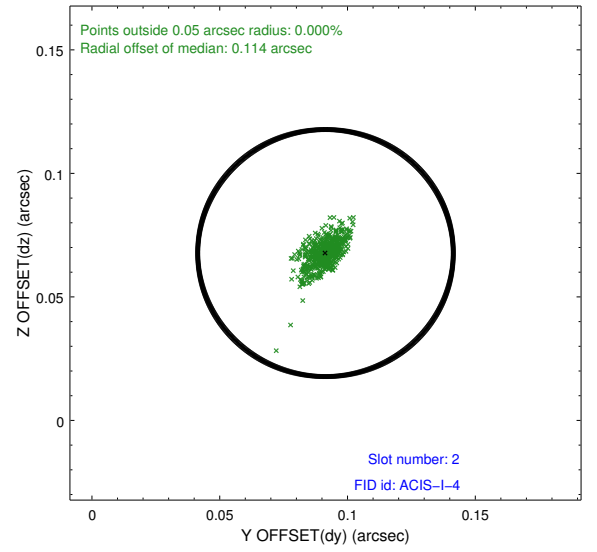
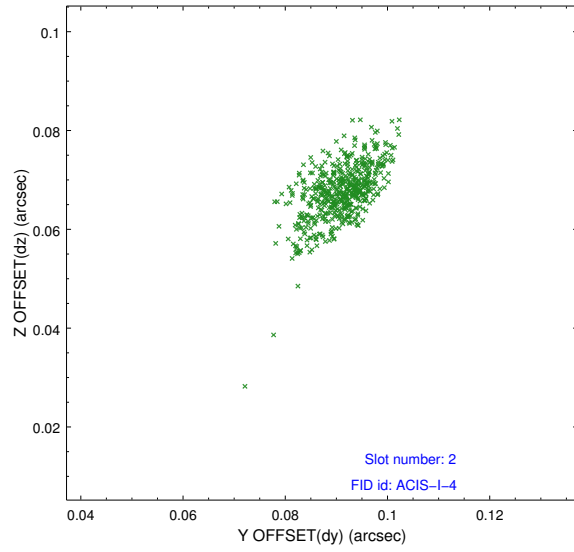
2.5.1 Slot 0



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)	2012.05.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.18860001

A.2 Comments