

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8659 - L2 Version 2
Chandra X-Ray Center

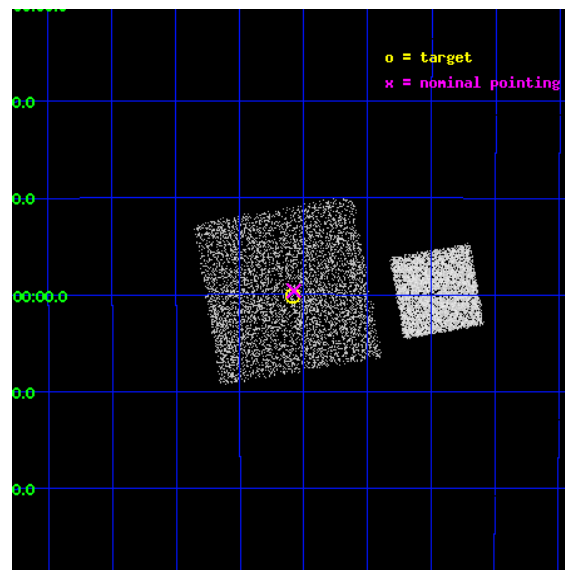
L2 Processing Date : May 14 2012

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1 Front

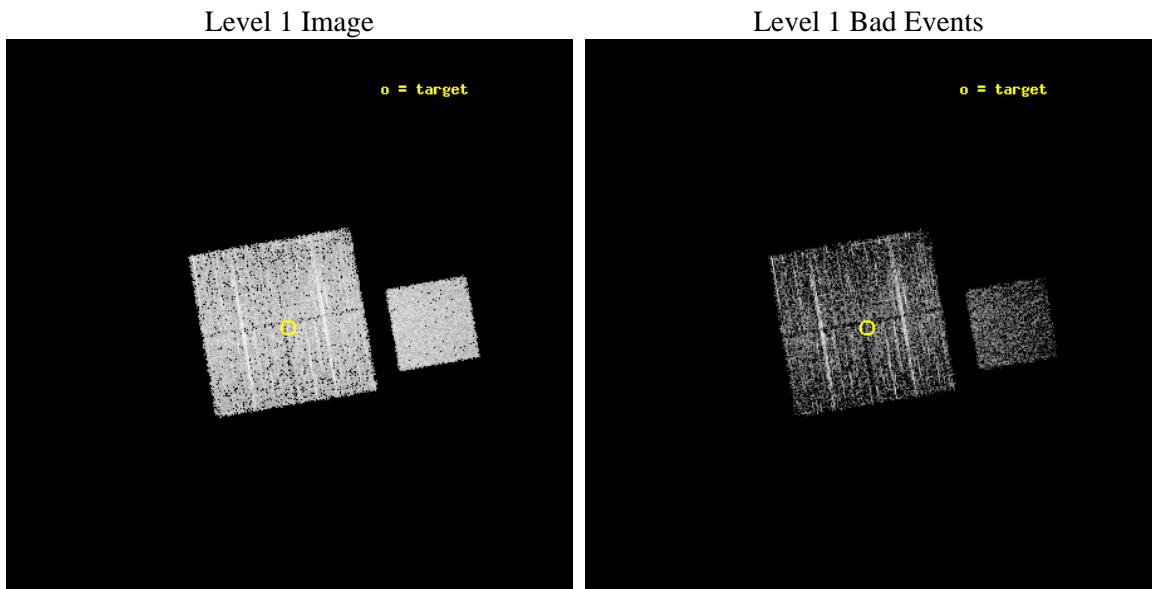
seq_num	400710	Sequence number
obs_id	8659	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	Prof Mariano Mendez	Principal investigator
object	GBSGTO2	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.02061	Observer's specified target RA [deg]
dec_targ	-27.001452	Observer's specified target Dec [deg]
ra_nom	266.01927108145	Nominal RA [deg]
dec_nom	-26.993551248069	Nominal Dec [deg]
roll_nom	80.208101991587	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2185.5000168085	Sum of GTIs [s]
livetime	2156.9448501472	Livetime [s]
ontime0	2182.3590265512	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	15753	Number of level 2 events



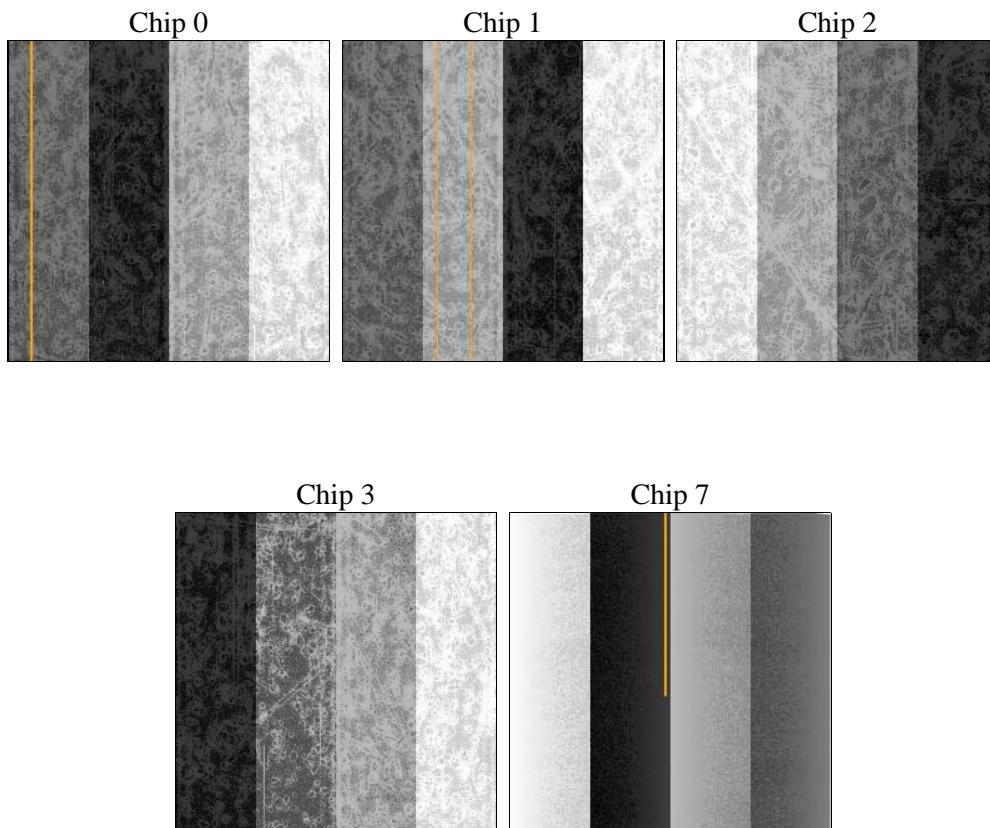
2 OBI

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	2182.3590265512	Sum of GTIs [s]
date	2012-05-15T00:15:48	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	102595	Number of level 1 events

2.1.4 Events

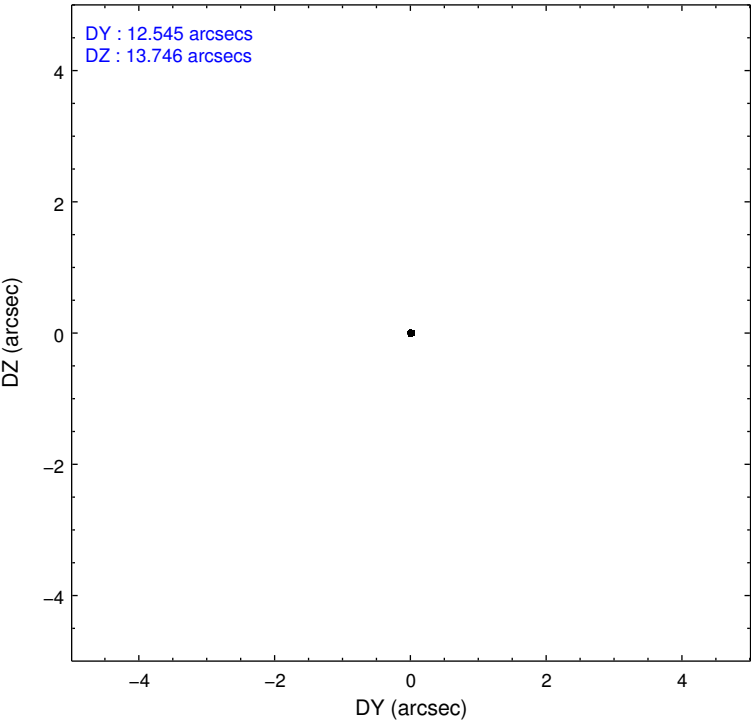
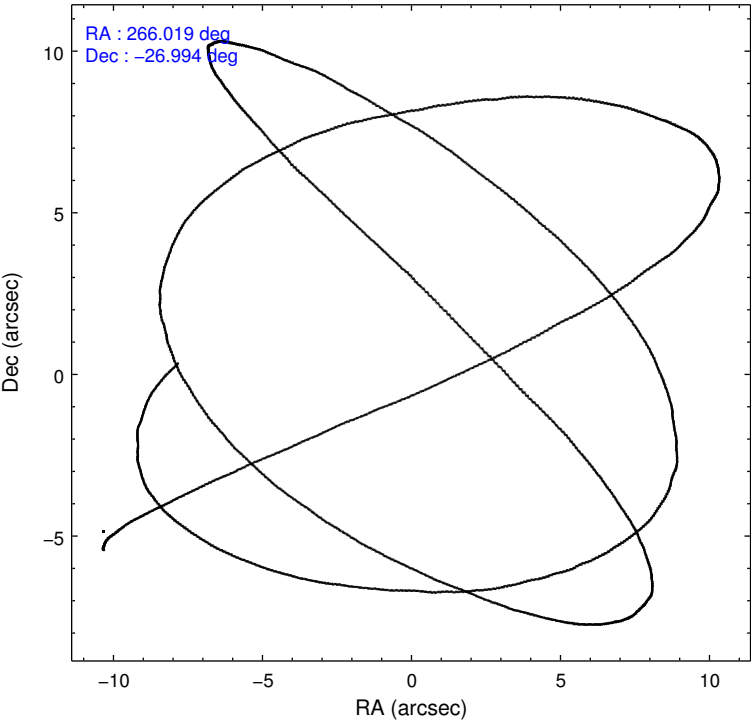
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	19552	18968	20665	20772	22638
rejected events	17545	16787	18692	18797	13460
rejected %	89%	88%	90%	90%	59%

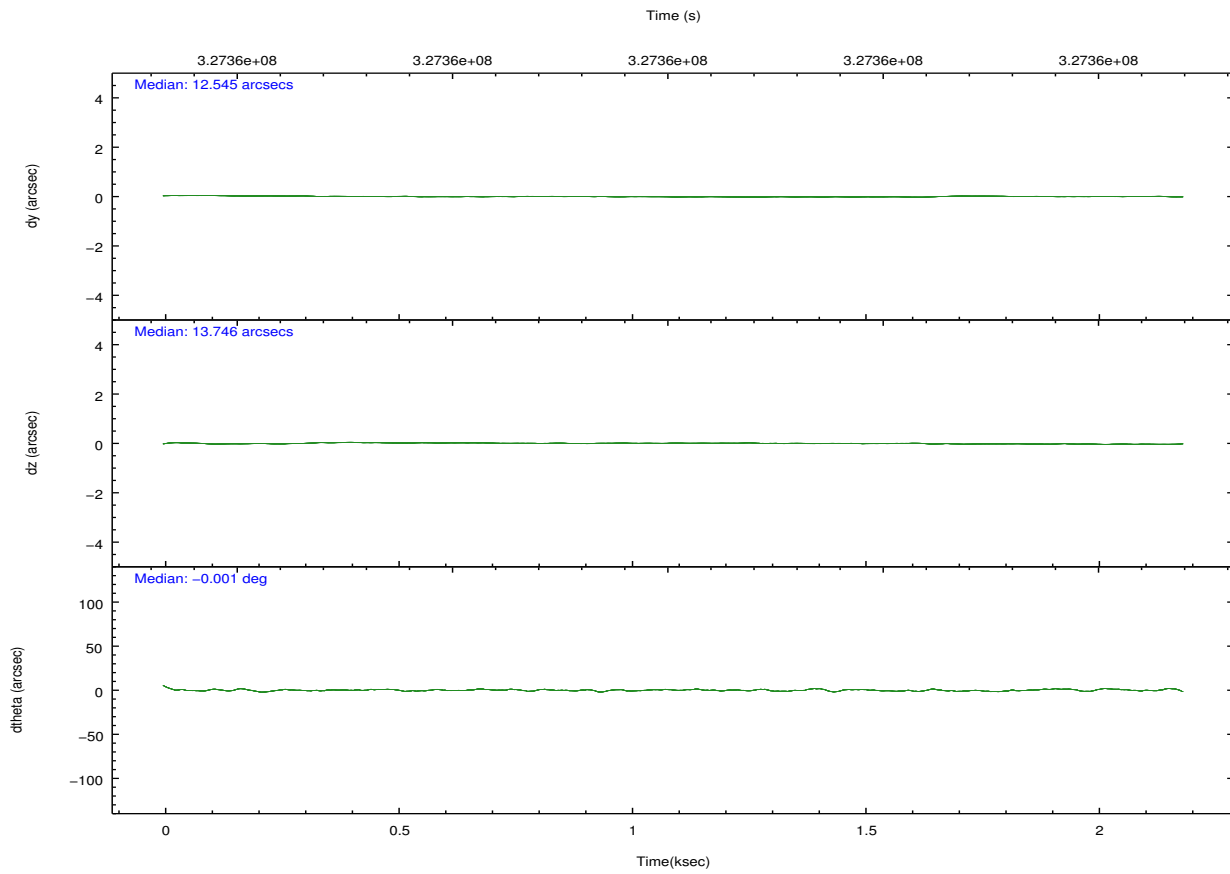
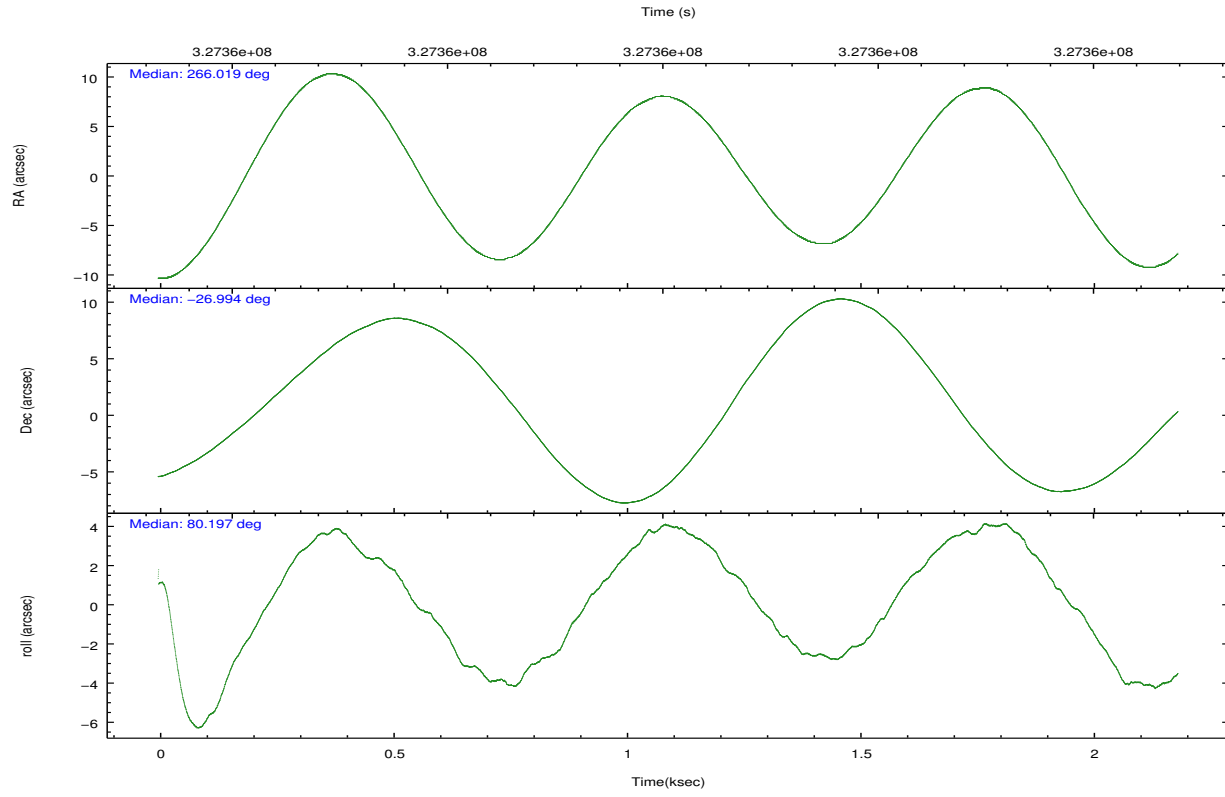
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	934	994	909	911	1020
	4%	5%	4%	4%	4%
grade 1 events	14	7	16	9	25
	0%	0%	0%	0%	0%
grade 2 events	452	537	530	503	2195
	2%	2%	2%	2%	9%
grade 3 events	242	251	198	232	927
	1%	1%	0%	1%	4%
grade 4 events	232	221	208	219	965
	1%	1%	1%	1%	4%
grade 5 events	742	817	659	813	2382
	3%	4%	3%	3%	10%
grade 6 events	464	511	399	415	5392
	2%	2%	1%	1%	23%
grade 7 events	16472	15630	17746	17670	9732
	84%	82%	85%	85%	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	266.030201	266.019271081453	CCD I2 on	Y	Y
[deg] Pointing Dec	-27.019204	-26.99355124806856	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004355	80.20810199158682	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)	327359603.184000	327359227.62764	CCD S5 on	N	N
Observation start date	2008-05-16T21:12:18	2008-05-16T21:07:07	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327361603.184000	327361737.85276	On-chip summing requested	N	N
Observation end date	2008-05-16T21:45:38	2008-05-16T21:48:57	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



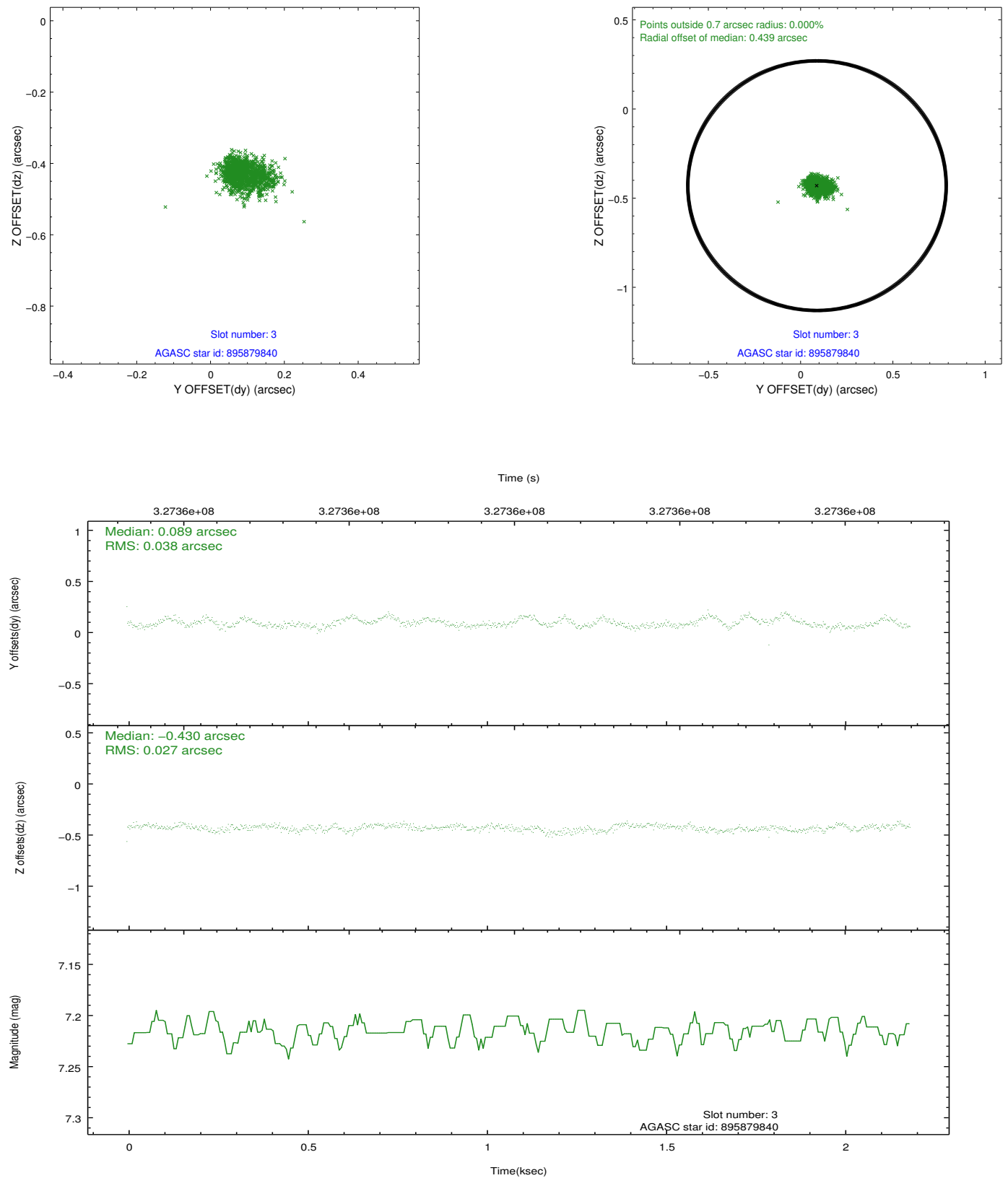


Slot Statistics

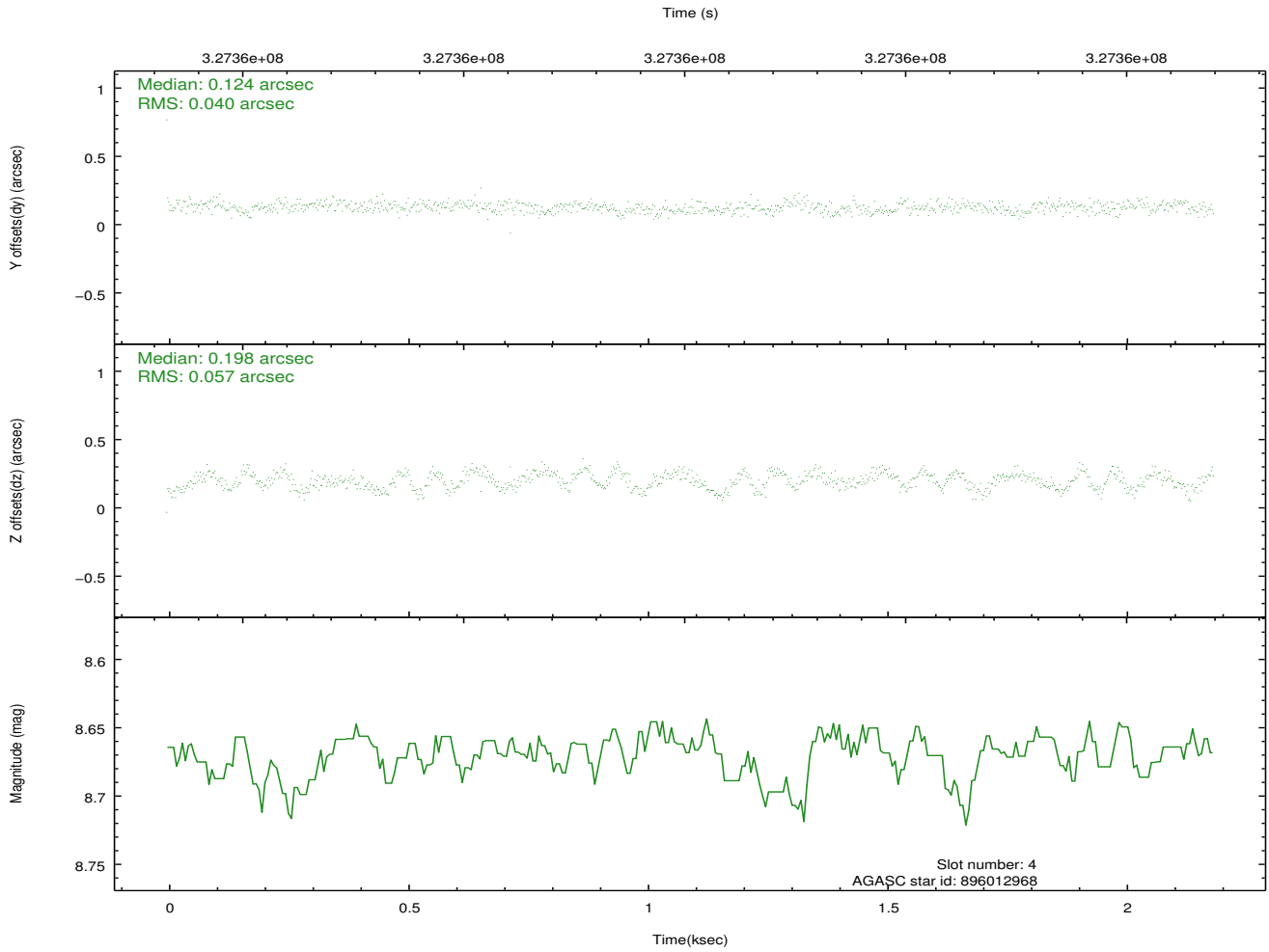
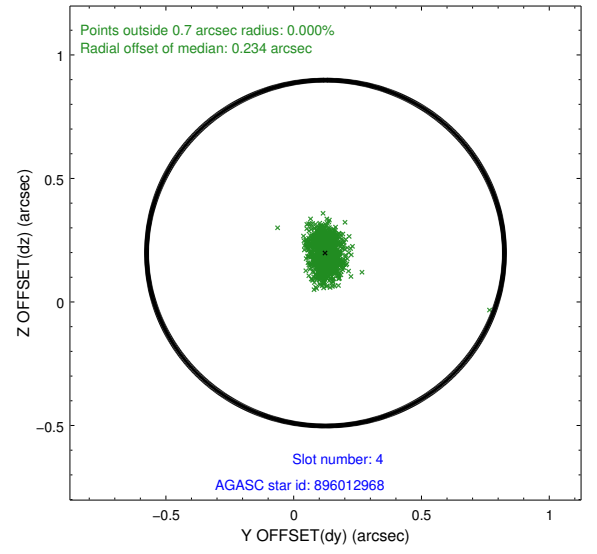
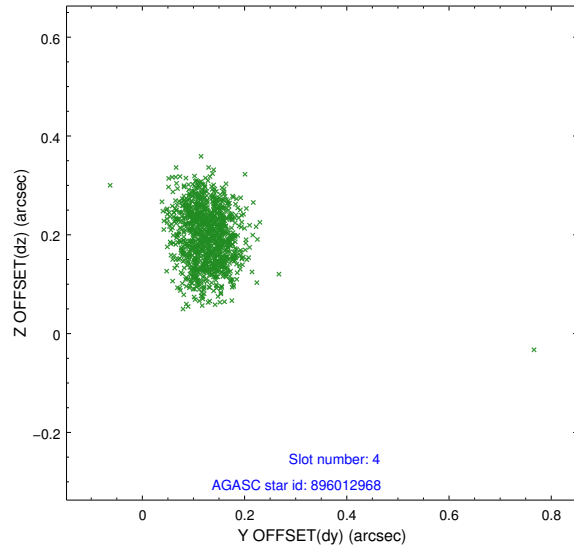
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.06	533	-0.064	0.082	0.009	0.014	0.000000	0.000000	926.91	-837.24
1	FID	ACIS-I-2	6.98	533	-0.138	-0.095	0.006	0.010	0.000000	0.000000	-765.60	-845.33
2	FID	ACIS-I-4	7.00	533	0.104	0.079	0.006	0.011	0.000000	0.000000	2145.62	1061.04
3	GUIDE	895879840	7.22	1066	0.089	-0.430	0.048	0.080	265.218397	-27.395778	-1793.64	2318.04
4	GUIDE	896012968	8.67	1067	0.124	0.198	0.071	0.112	266.634547	-27.600471	-1731.24	-2260.83
5	GUIDE	896013040	7.33	1067	-0.005	-0.052	0.064	0.103	266.506589	-26.972299	428.07	-1478.50
6	GUIDE	896013056	8.53	1066	-0.188	0.191	0.059	0.097	266.762141	-26.954413	632.01	-2274.83
7	GUIDE	896014528	7.69	1066	-0.031	0.089	0.059	0.094	266.628858	-27.438607	-1157.83	-2148.82

2.4 Star Slots

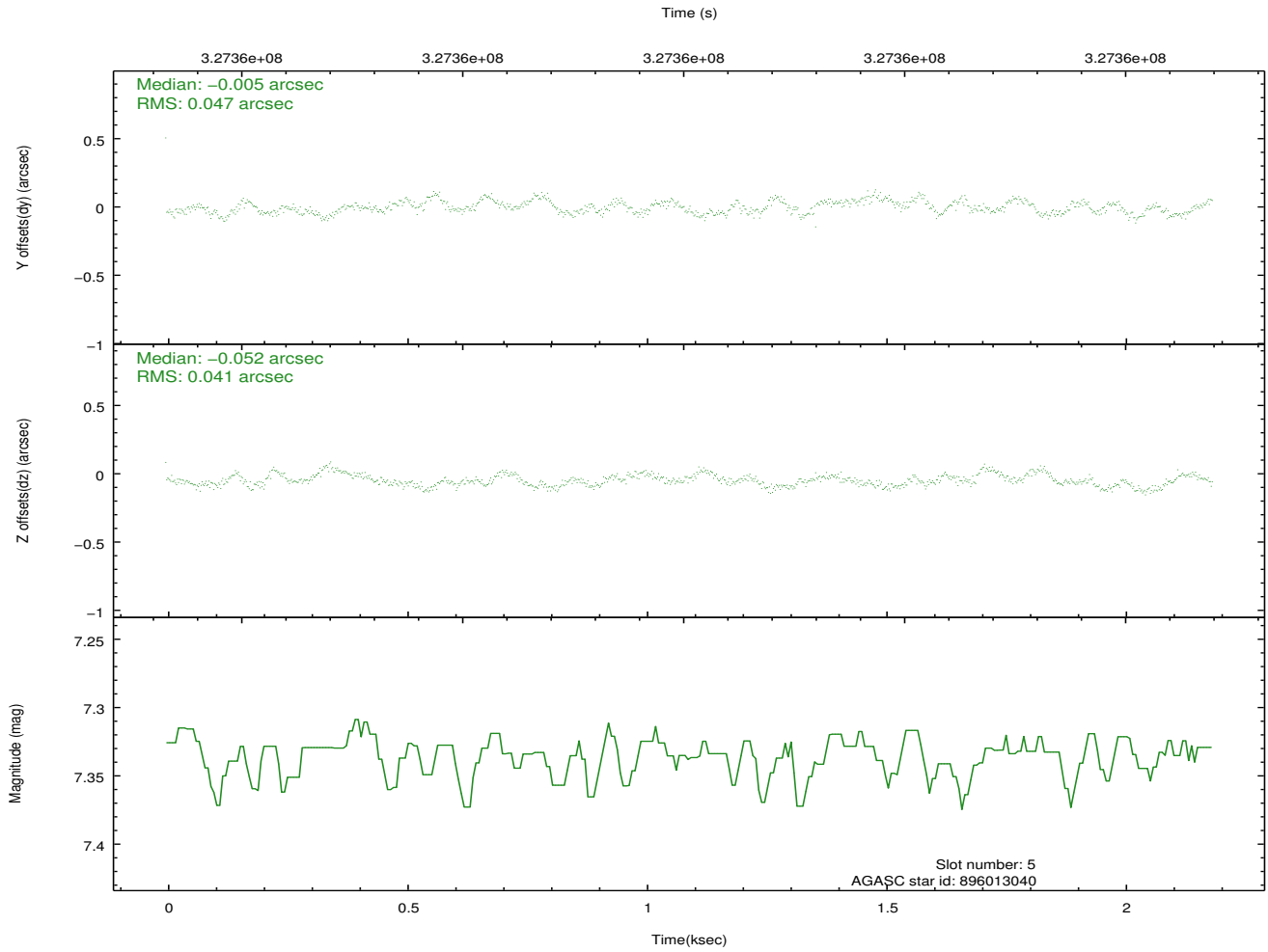
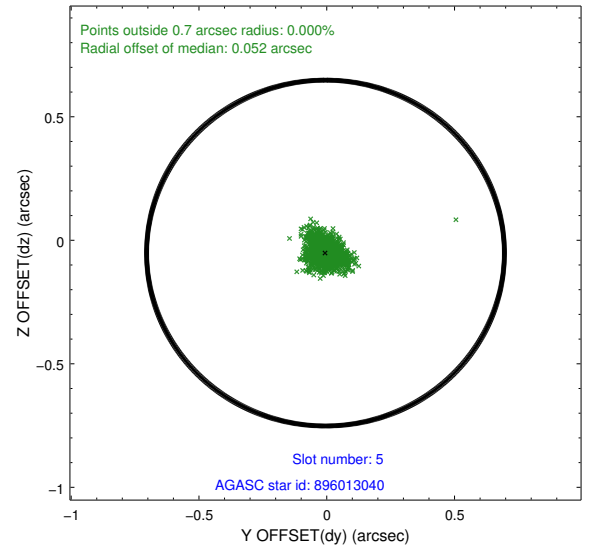
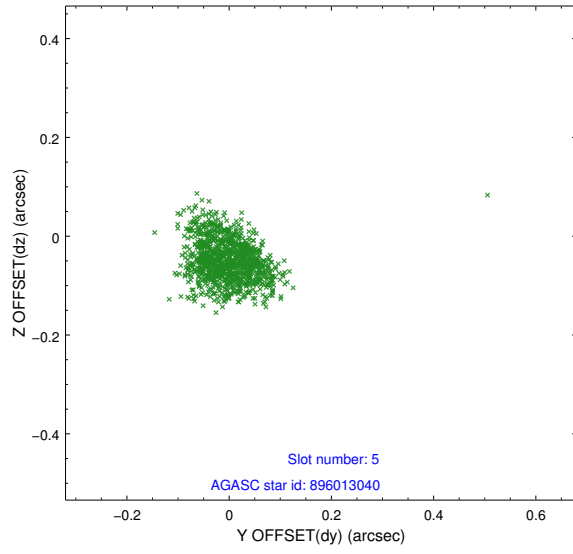
2.4.1 Slot 3



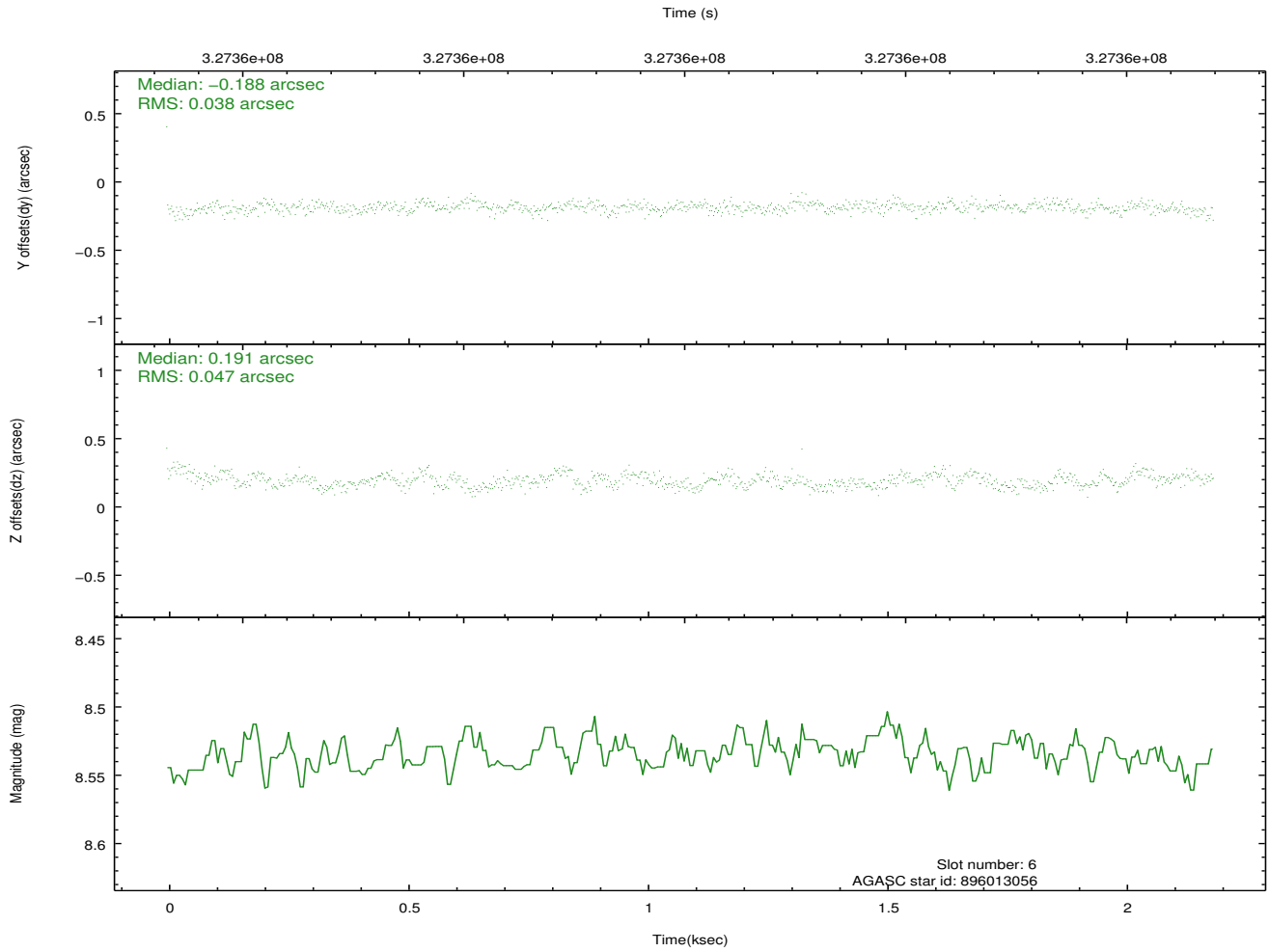
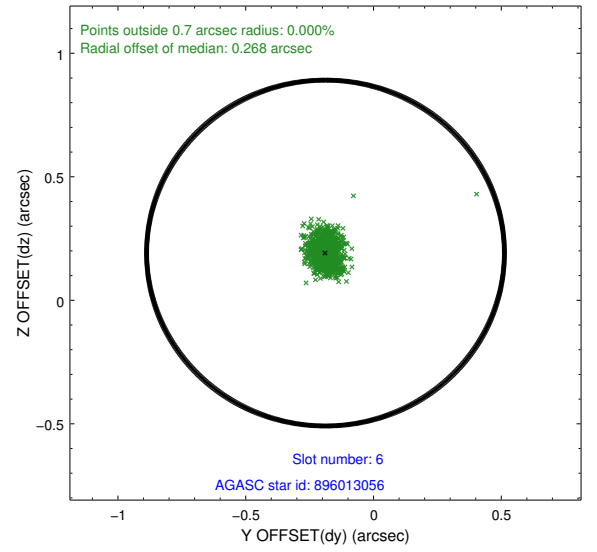
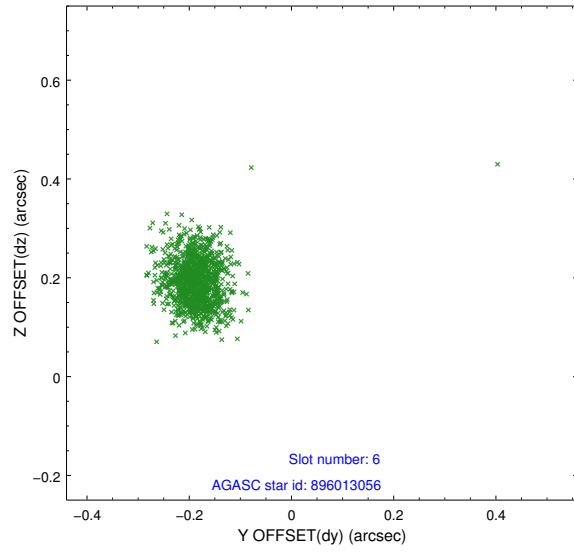
2.4.2 Slot 4



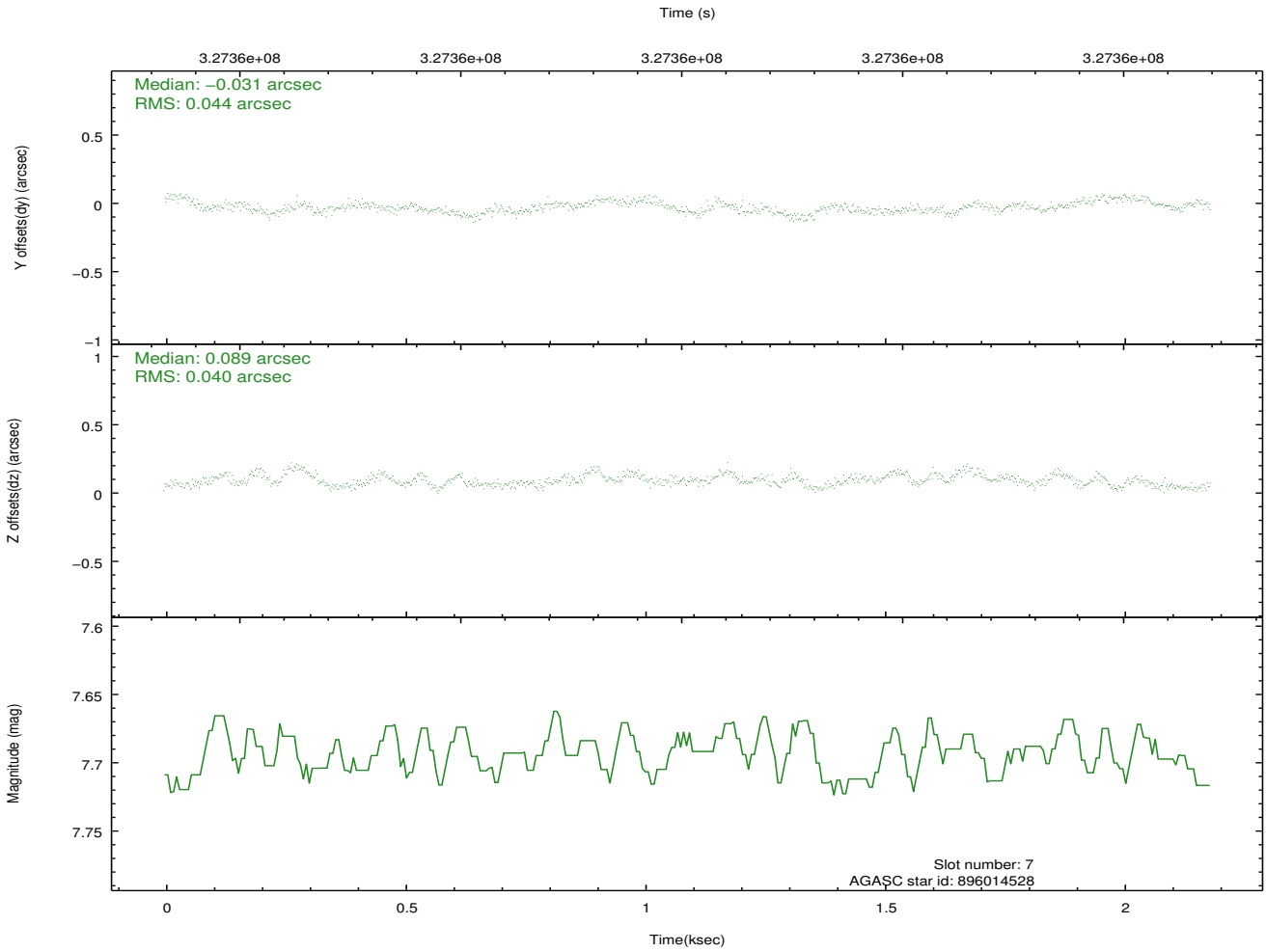
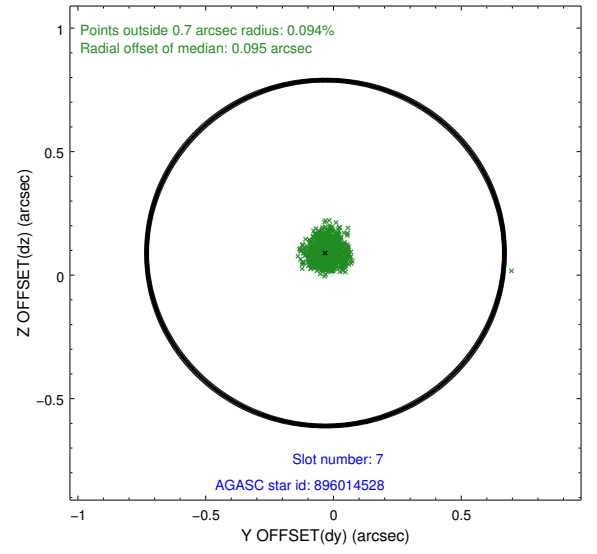
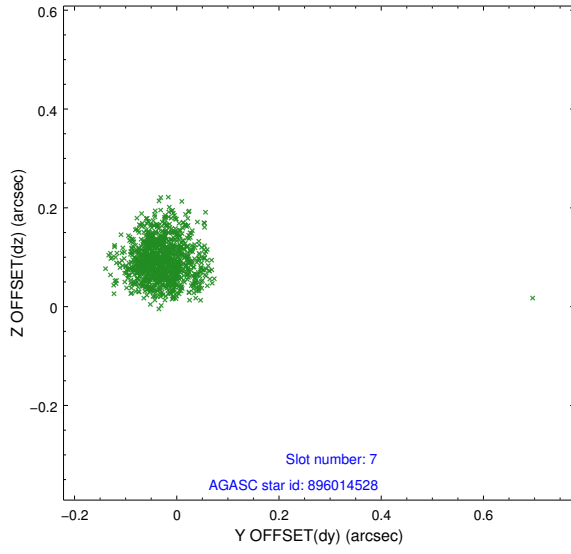
2.4.3 Slot 5



2.4.4 Slot 6

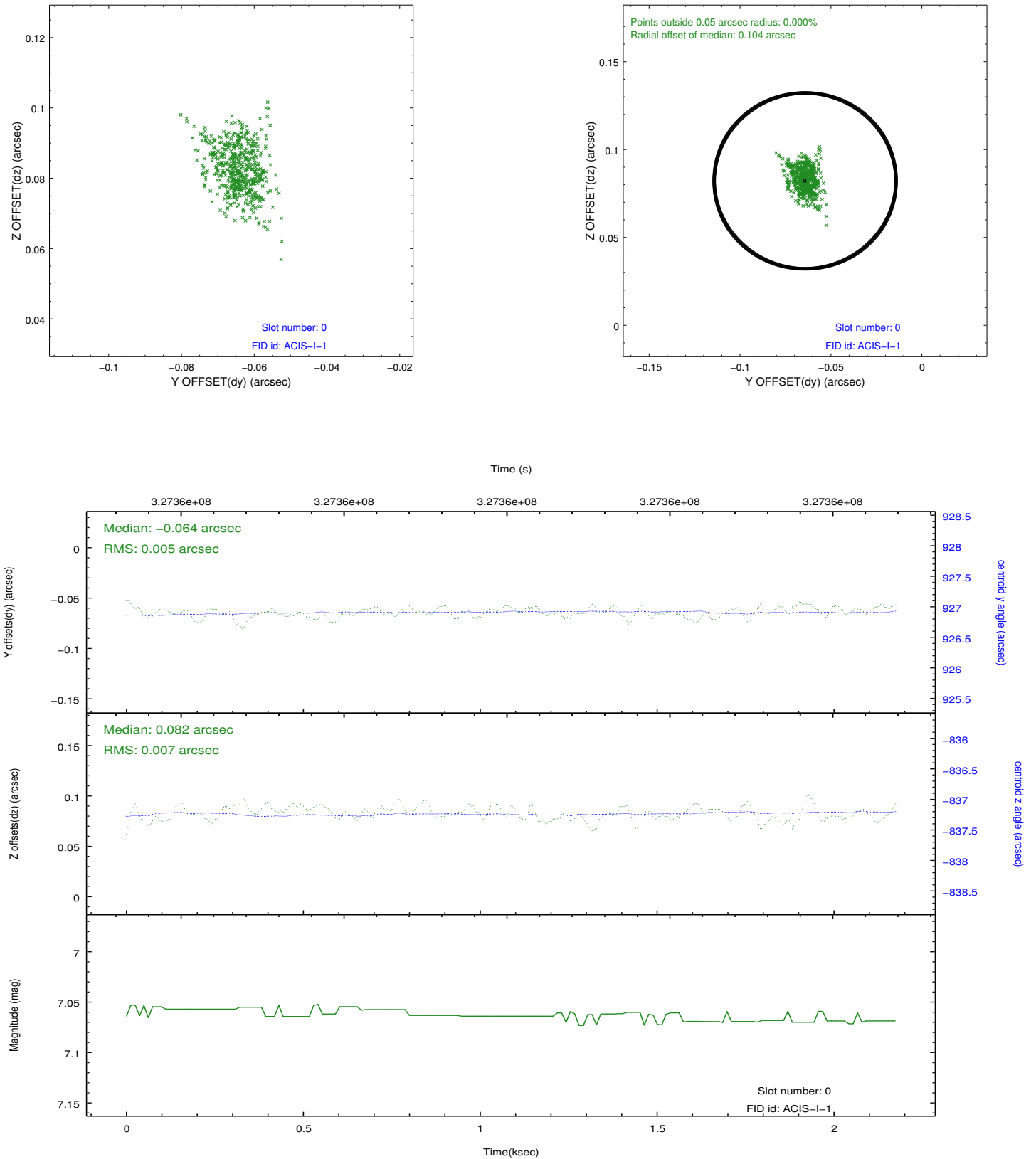


2.4.5 Slot 7

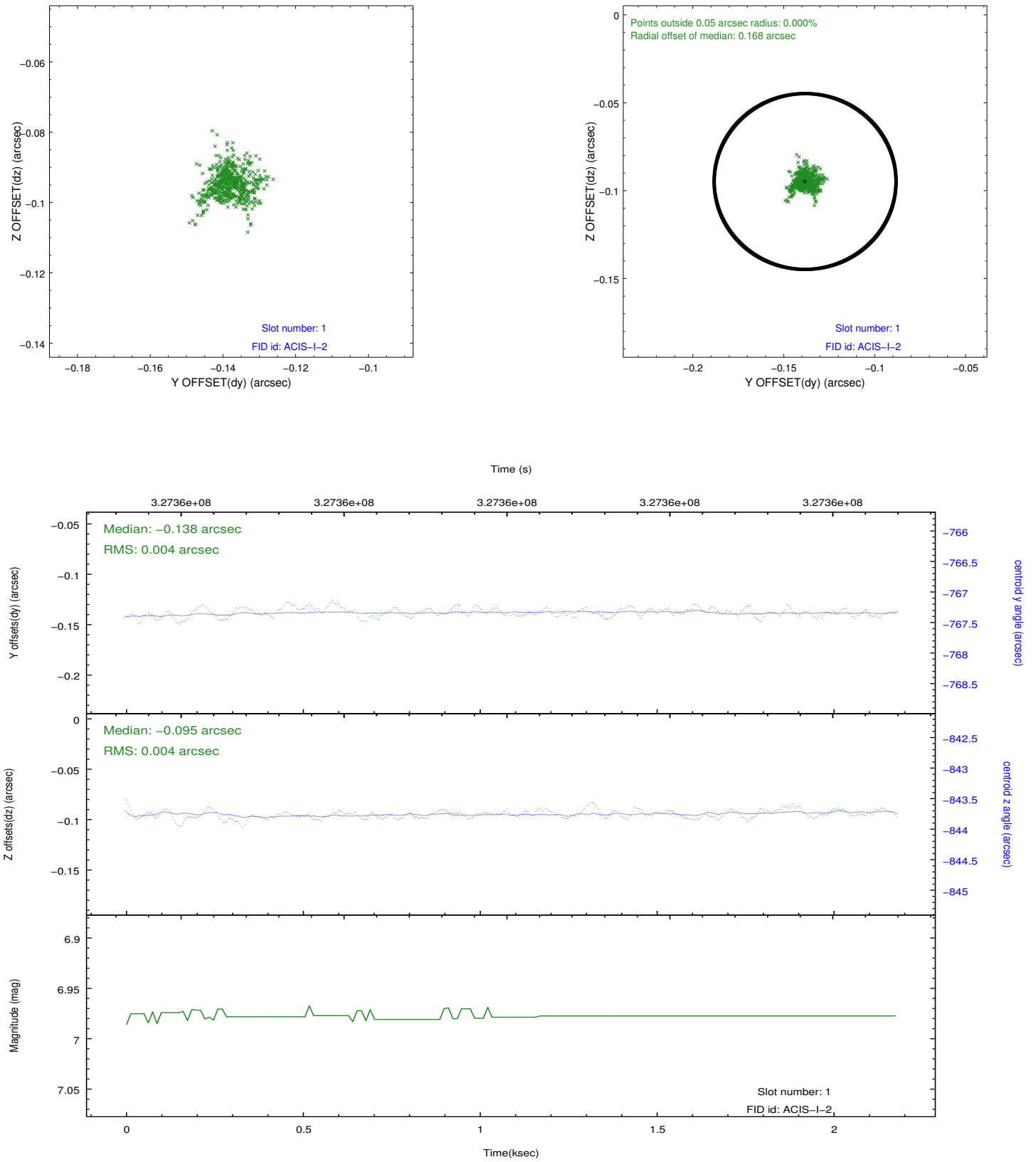


2.5 FID Slots

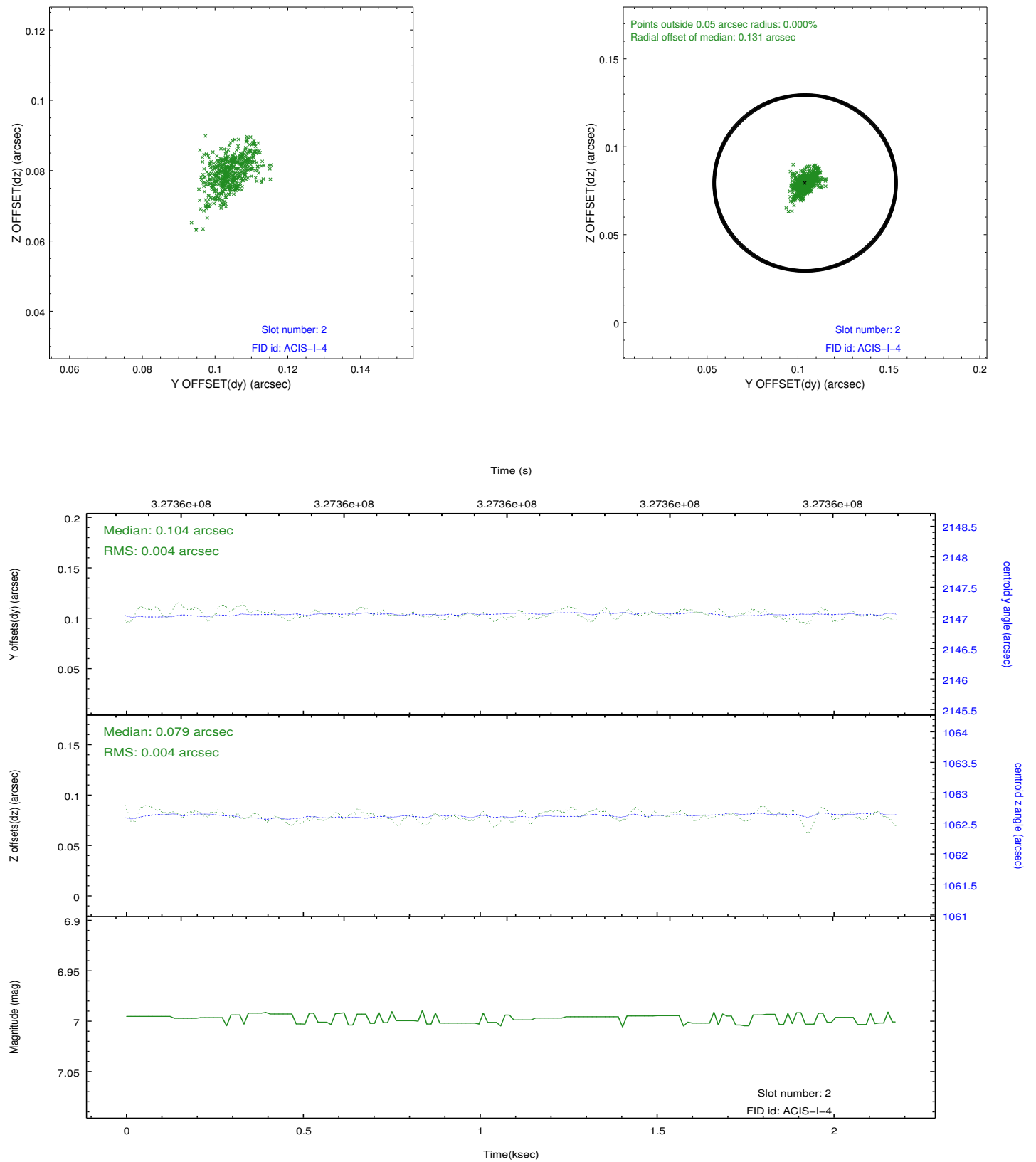
2.5.1 Slot 0



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	2.18550001

A.2 Comments