

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8646 - L2 Version 2
Chandra X-Ray Center

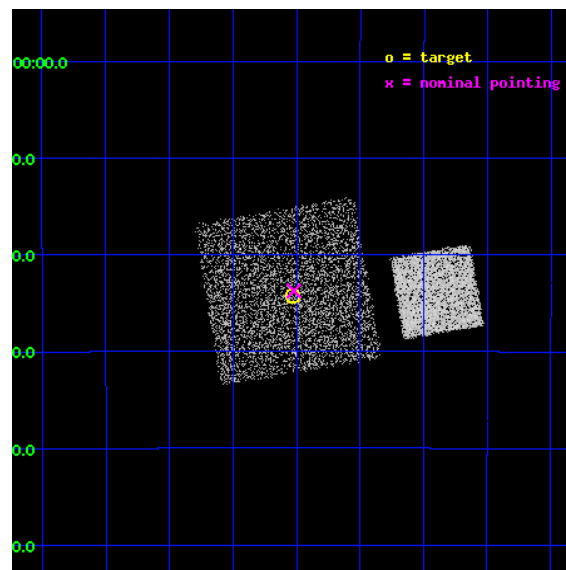
L2 Processing Date : May 14 2012

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1 Front

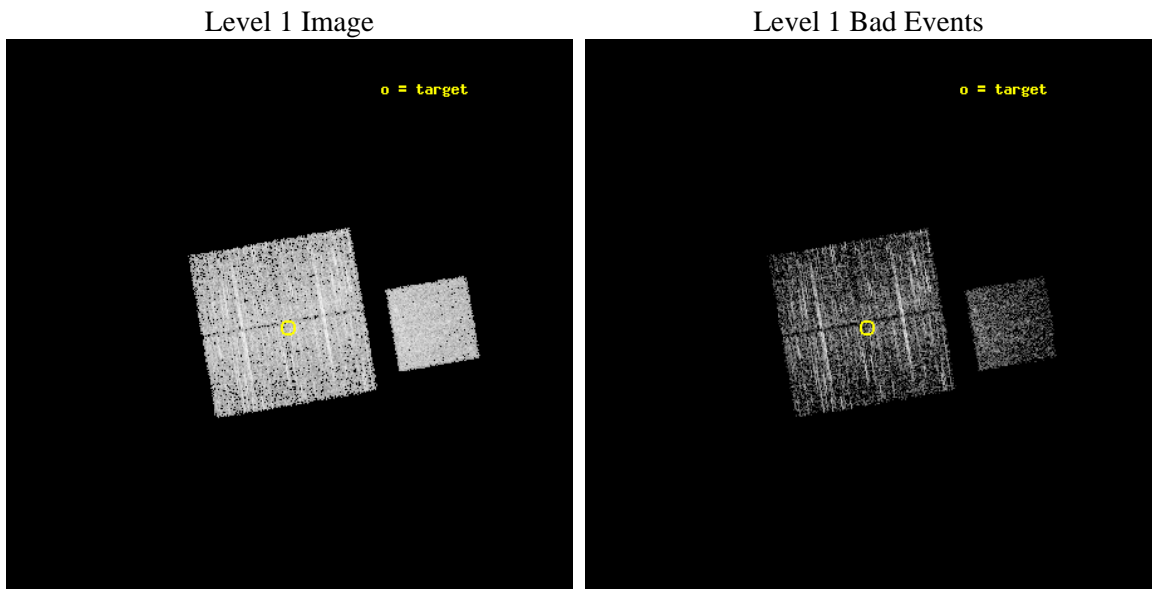
seq_num	400697	Sequence number
obs_id	8646	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	Prof Mariano Mendez	Principal investigator
object	GBSGTO1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.0064	Observer's specified target RA [deg]
dec_targ	-27.404011	Observer's specified target Dec [deg]
ra_nom	266.00512596685	Nominal RA [deg]
dec_nom	-27.395802326123	Nominal Dec [deg]
roll_nom	80.208221243267	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	15733	Number of level 2 events



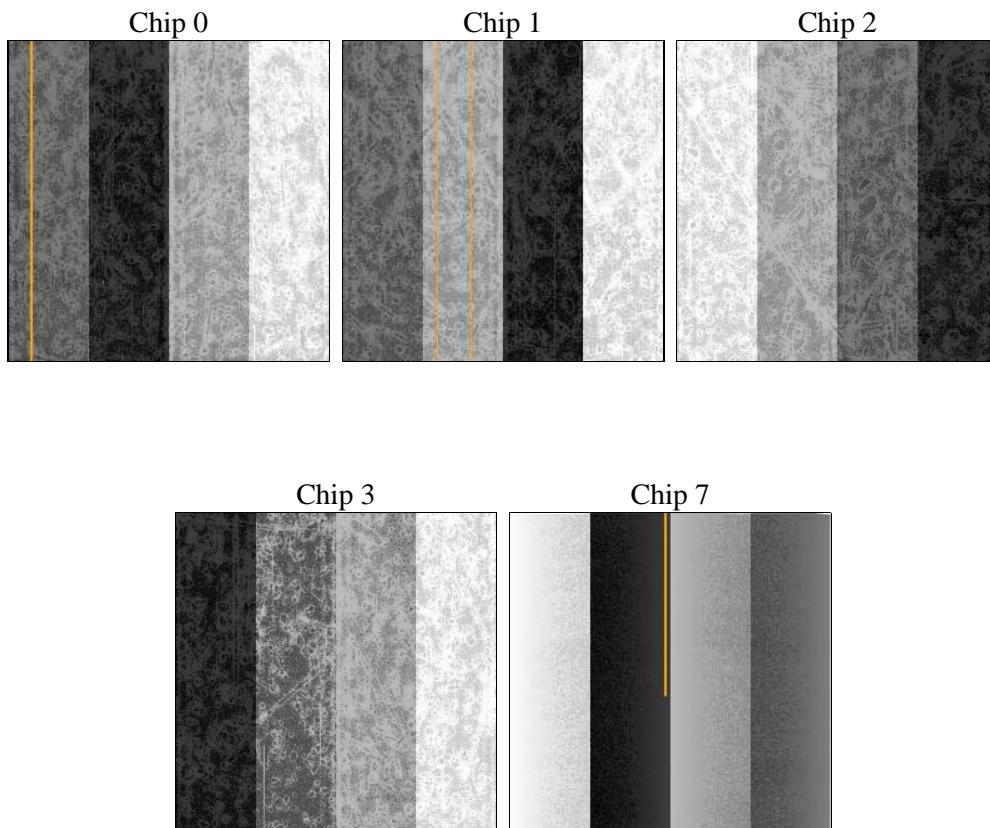
2 OBI

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	2012-05-14T23:50:38	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	104104	Number of level 1 events

2.1.4 Events

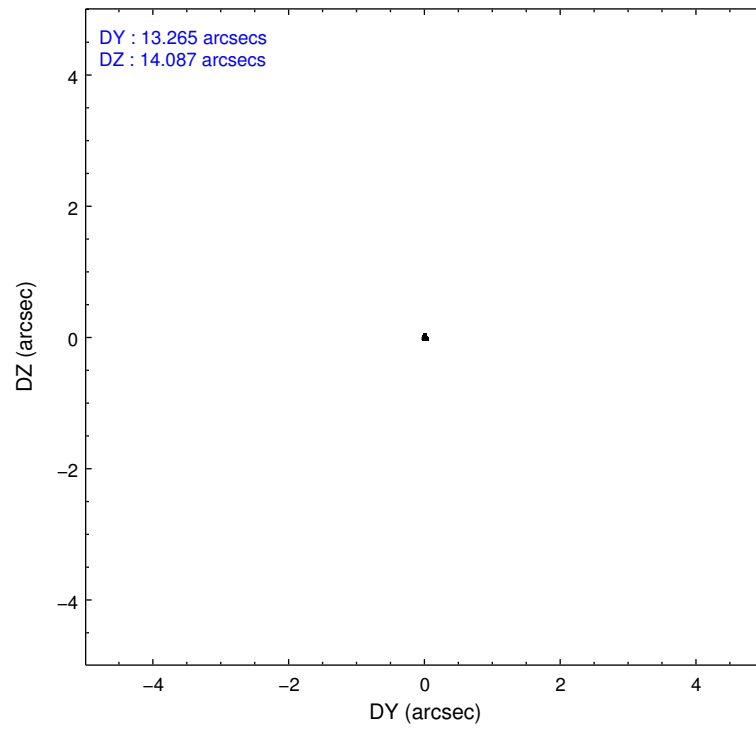
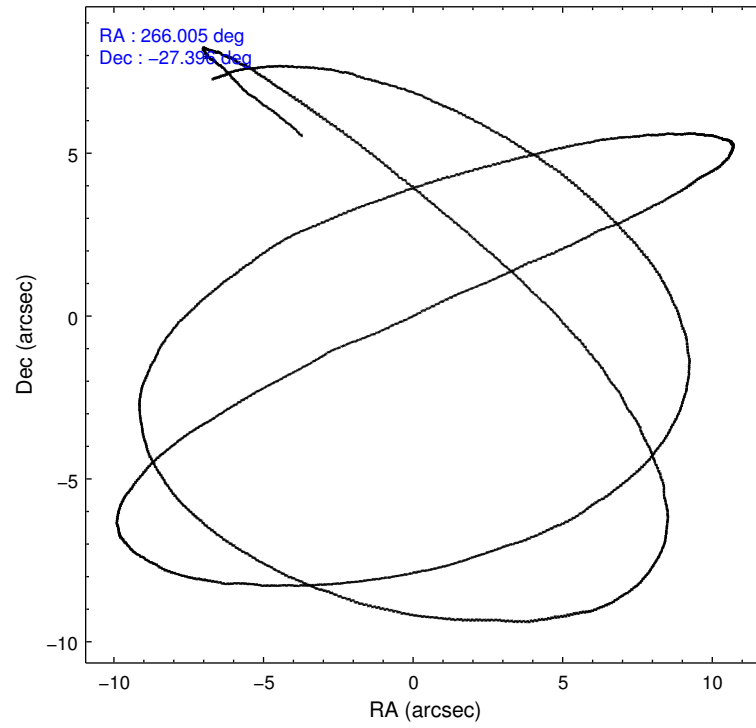
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	19371	20122	21740	20121	22750
rejected events	17391	17982	19714	18167	13540
rejected %	89%	89%	90%	90%	59%

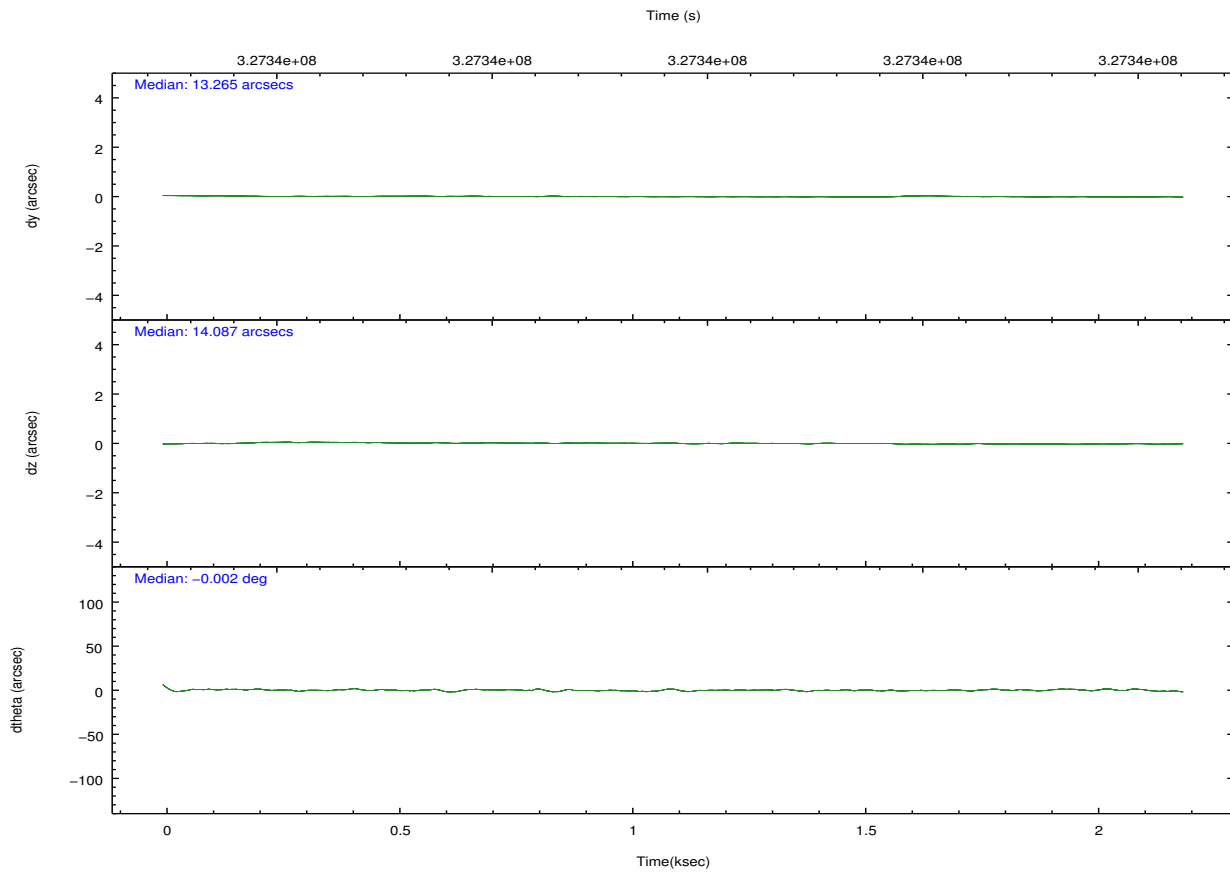
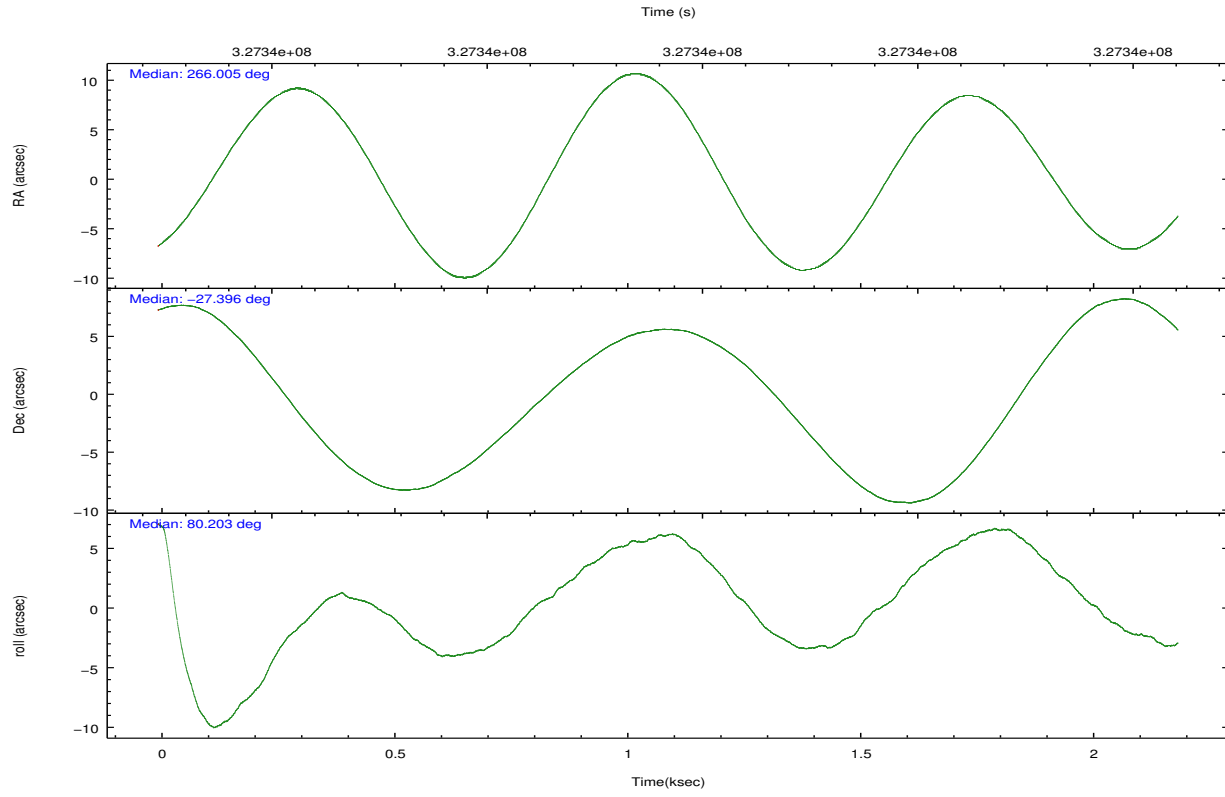
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	913	966	877	932	1021
	4%	4%	4%	4%	4%
grade 1 events	6	7	13	17	26
	0%	0%	0%	0%	0%
grade 2 events	496	537	577	469	2107
	2%	2%	2%	2%	9%
grade 3 events	234	226	231	234	984
	1%	1%	1%	1%	4%
grade 4 events	212	231	219	252	950
	1%	1%	1%	1%	4%
grade 5 events	728	761	698	825	2344
	3%	3%	3%	4%	10%
grade 6 events	393	499	391	392	5407
	2%	2%	1%	1%	23%
grade 7 events	16389	16895	18734	17000	9911
	84%	83%	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	266.016027	266.005125966848	CCD I2 on	Y	Y
[deg] Pointing Dec	-27.421770	-27.39580232612286	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004434	80.20822124326688	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)	327337013.184000	327336637.65154	CCD S5 on	N	N
Observation start date	2008-05-16T14:55:48	2008-05-16T14:50:37	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327339013.184000	327339147.36416	On-chip summing requested	N	N
Observation end date	2008-05-16T15:29:08	2008-05-16T15:32:27	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



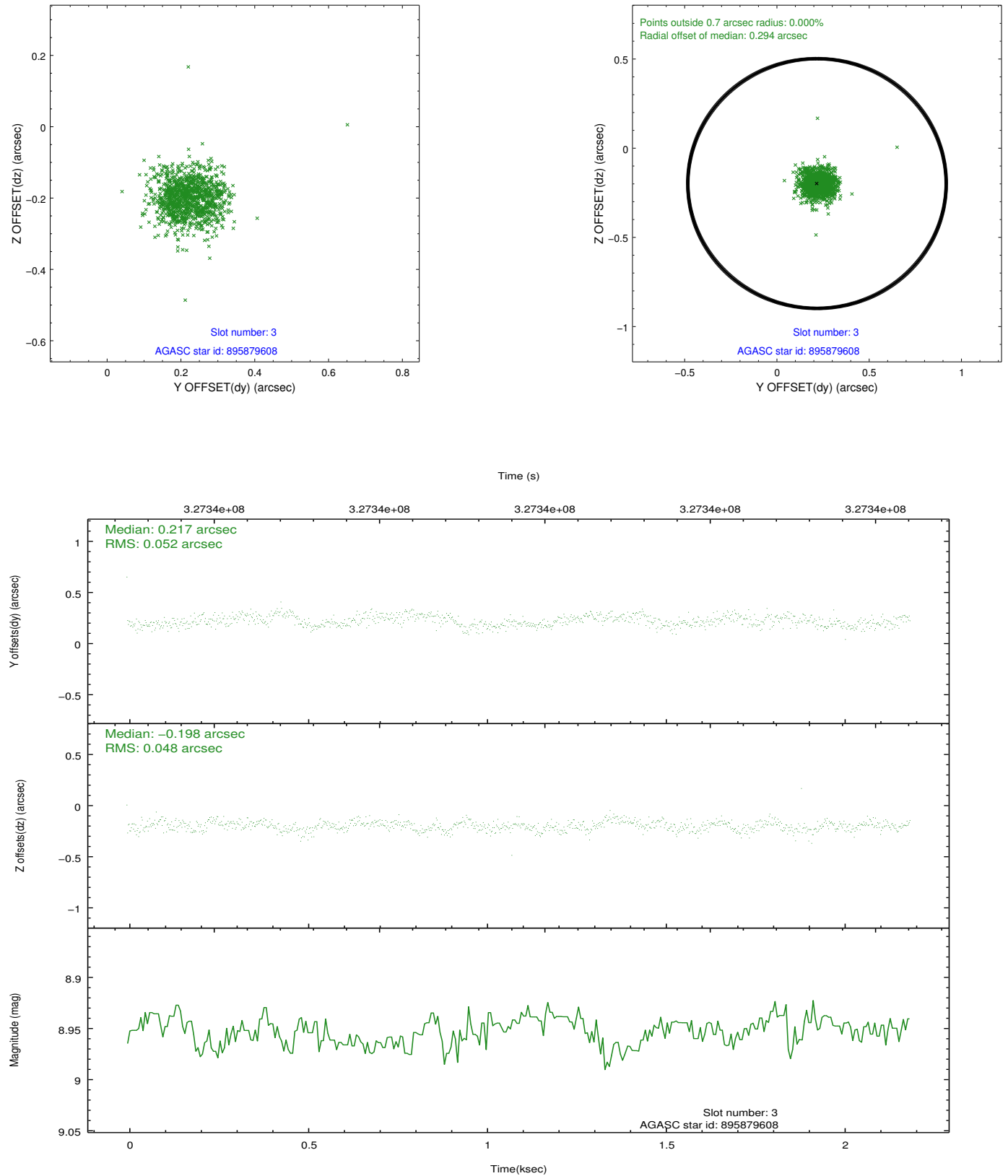


Slot Statistics

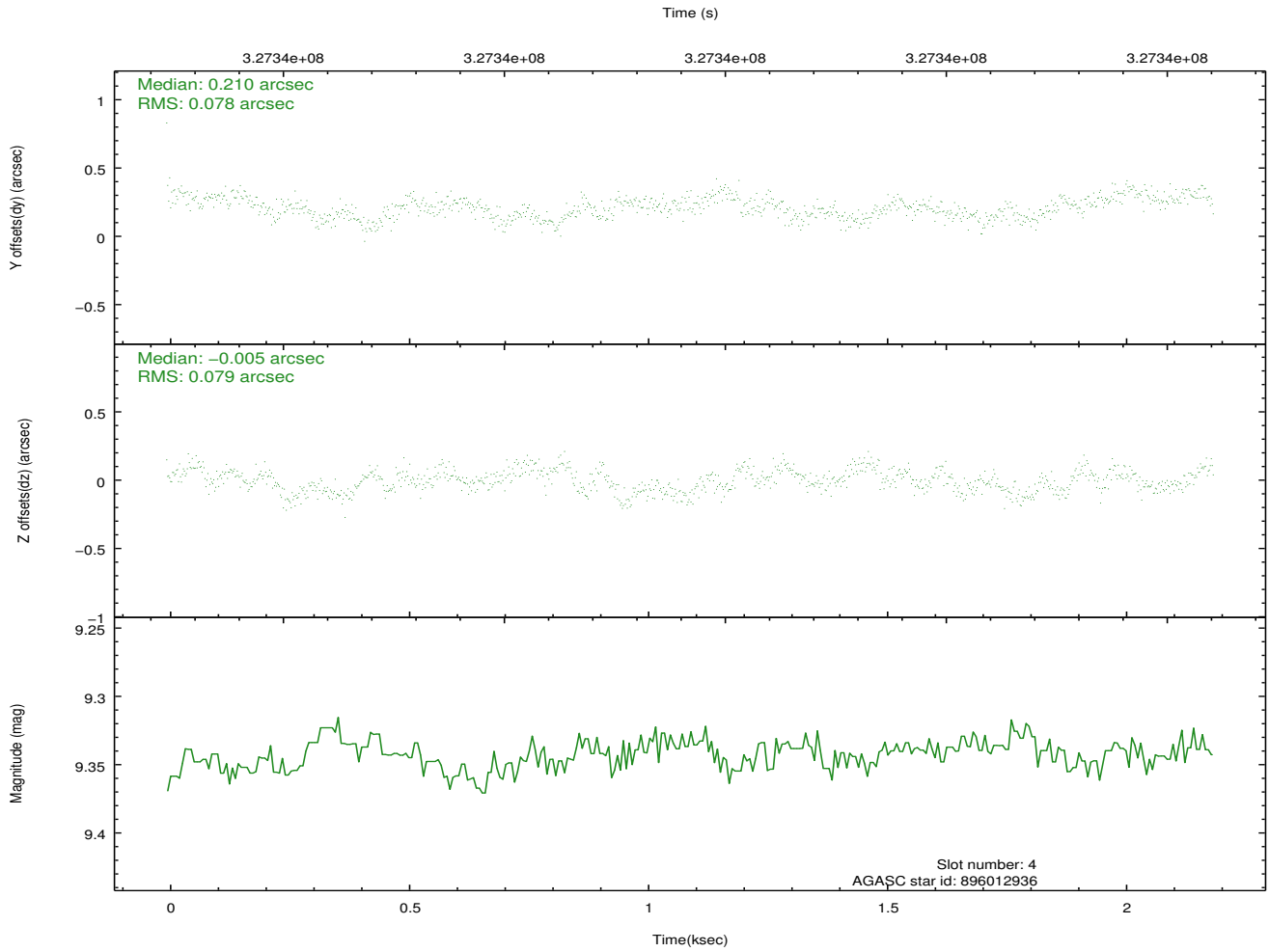
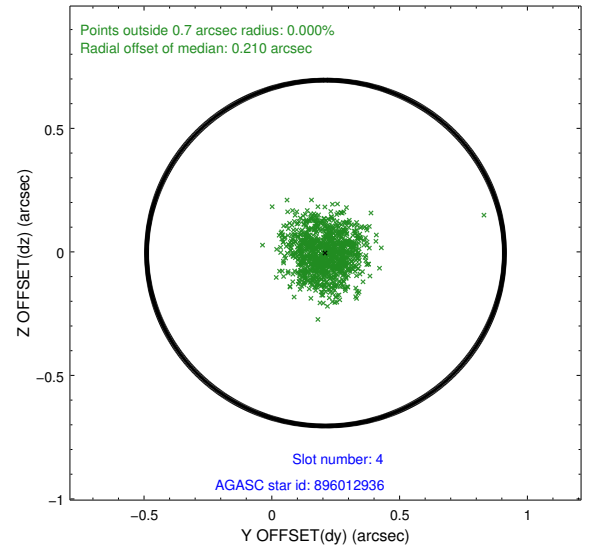
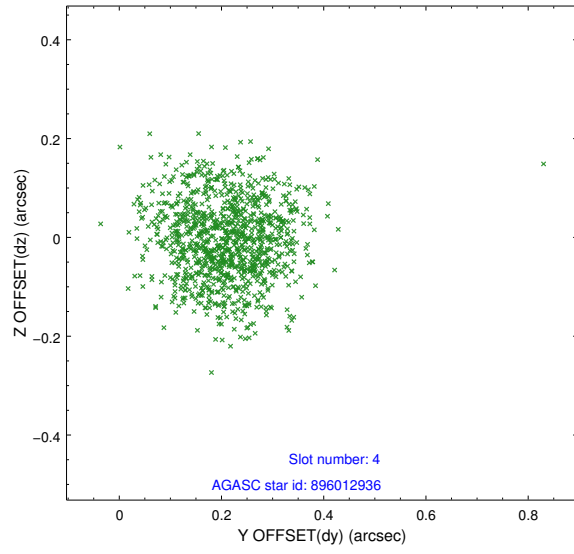
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	6.97	535	-0.078	-0.046	0.010	0.017	0.000000	0.000000	-768.01	-844.07
1	FID	ACIS-I-4	6.99	535	0.178	0.061	0.007	0.012	0.000000	0.000000	2144.94	1060.71
2	FID	ACIS-I-5	7.04	535	-0.201	0.054	0.011	0.018	0.000000	0.000000	-1818.15	1061.93
3	GUIDE	895879608	8.95	1067	0.217	-0.198	0.072	0.118	265.708239	-27.843915	-1667.98	700.39
4	GUIDE	896012936	9.34	1069	0.210	-0.005	0.119	0.185	266.347947	-28.045149	-2029.91	-1428.15
5	GUIDE	896013040	7.36	1069	-0.081	0.051	0.061	0.101	266.506589	-26.972299	1861.63	-1271.05
6	GUIDE	896013056	8.56	1068	-0.164	0.099	0.071	0.115	266.762141	-26.954413	2067.10	-2068.25
7	GUIDE	896014528	7.68	1068	-0.180	0.061	0.066	0.107	266.628858	-27.438607	277.14	-1941.66

2.4 Star Slots

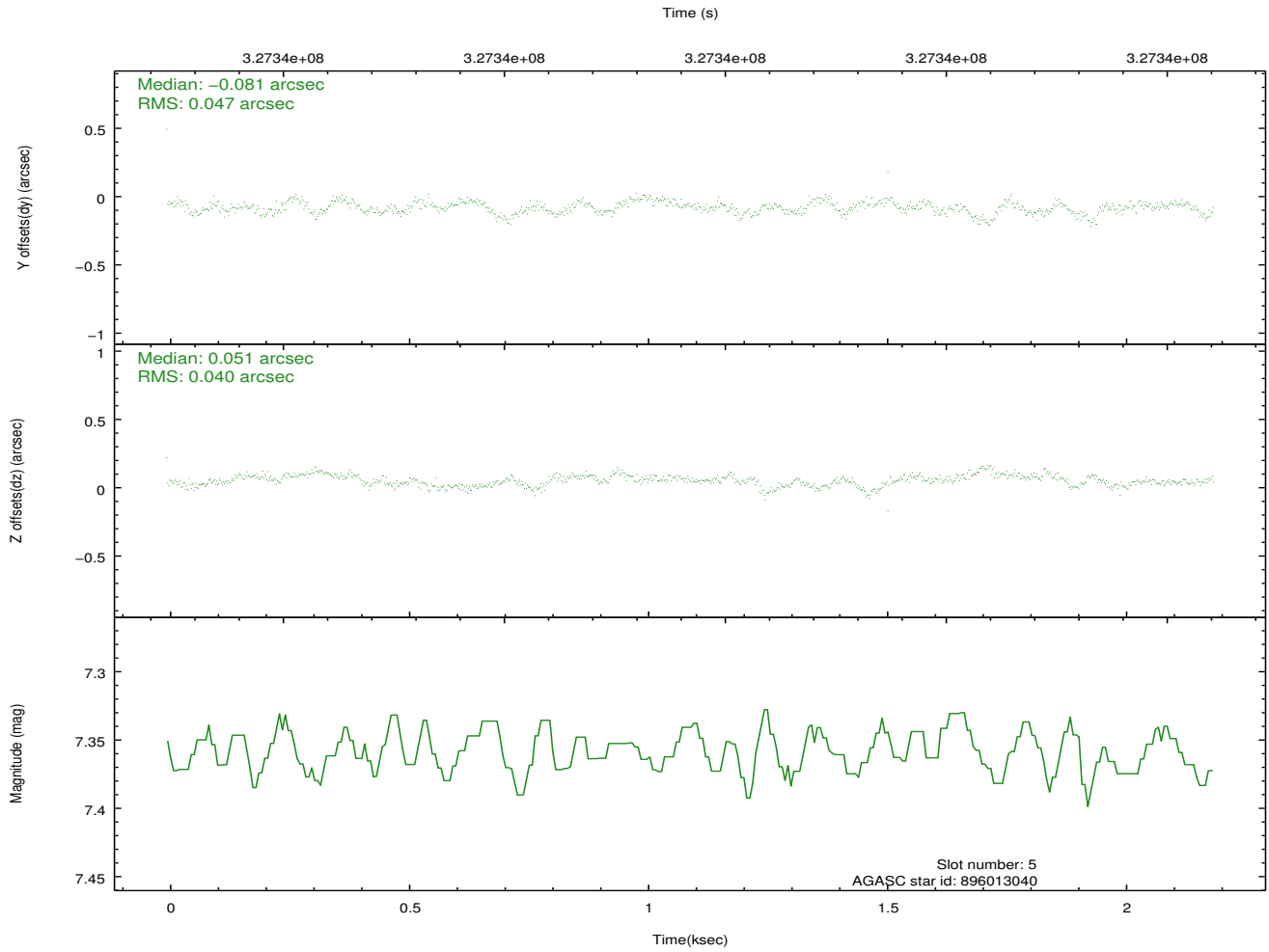
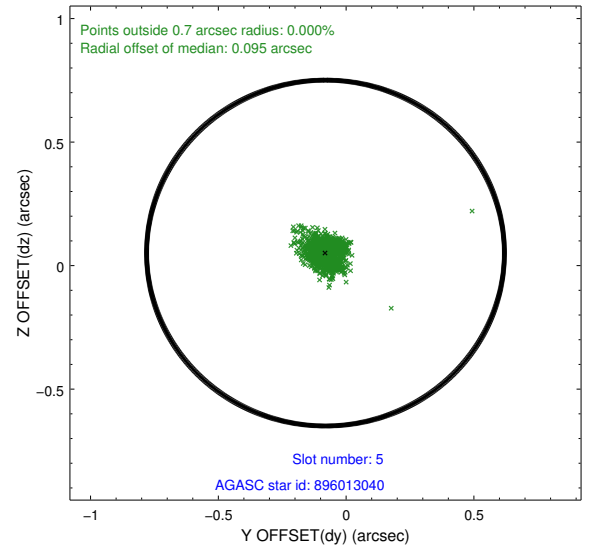
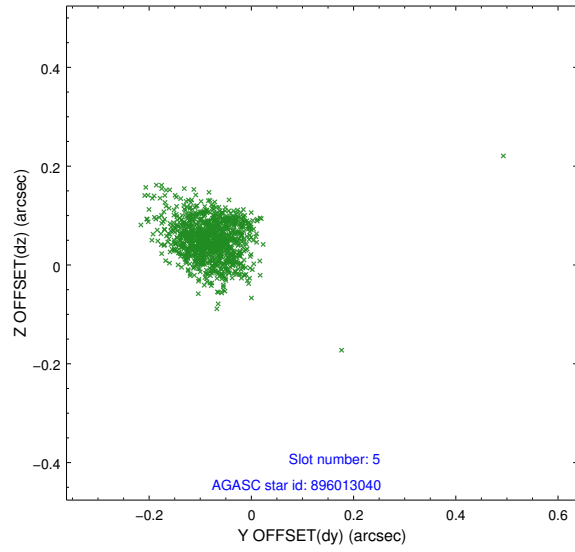
2.4.1 Slot 3



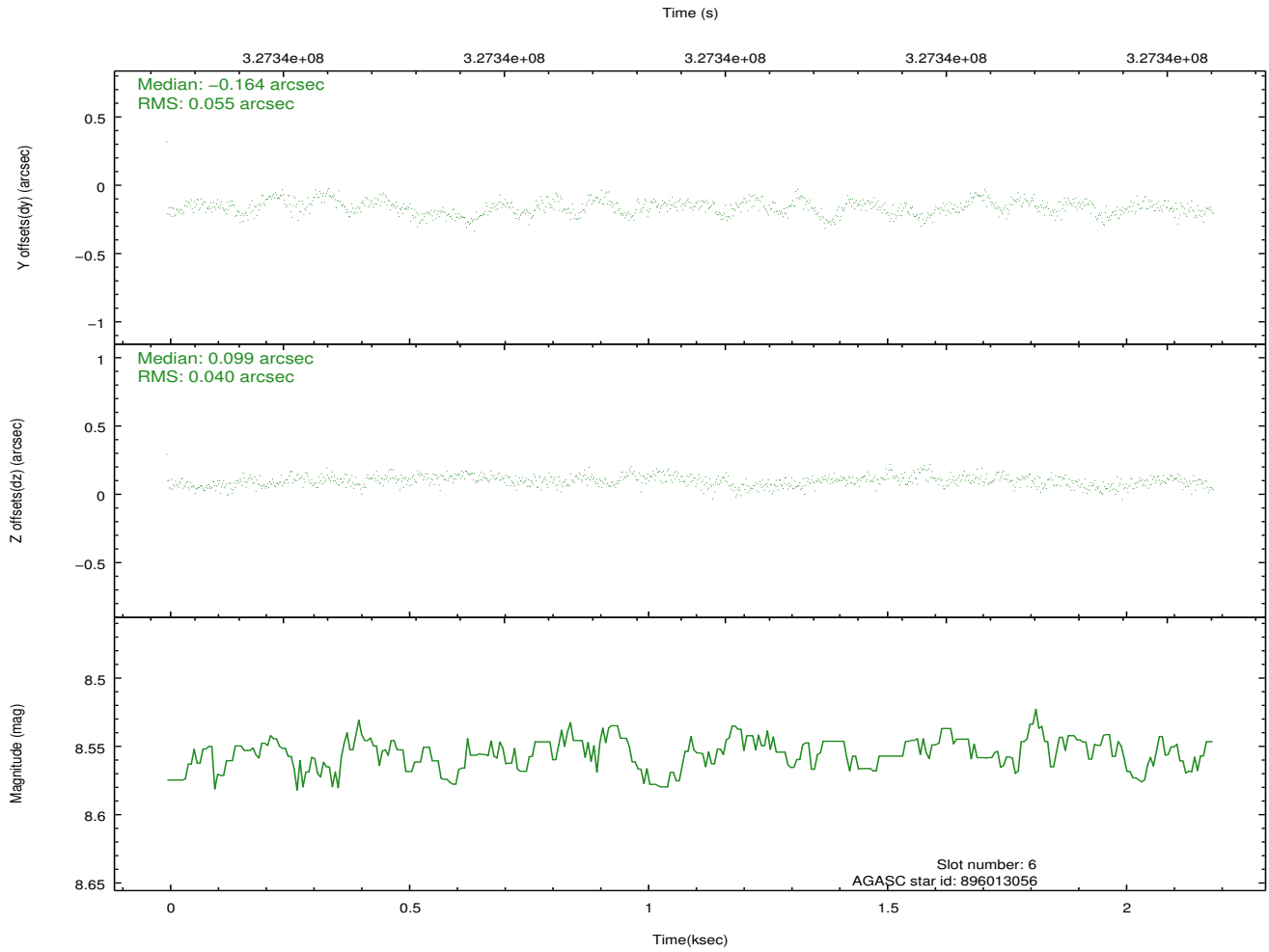
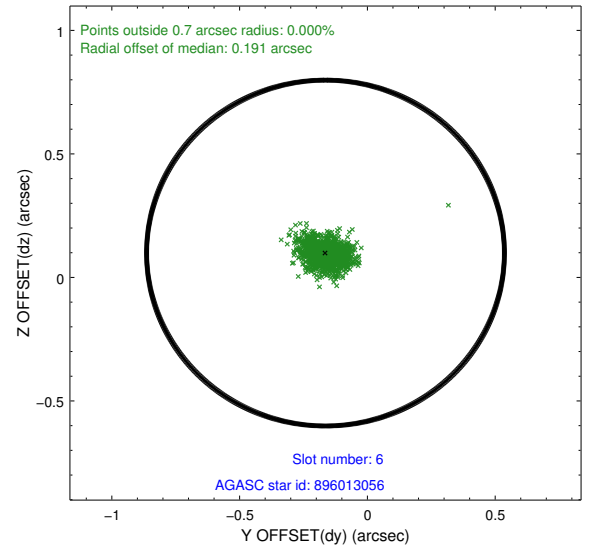
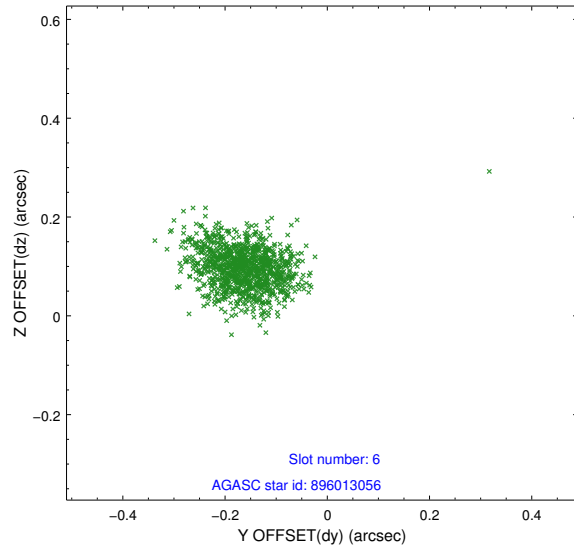
2.4.2 Slot 4



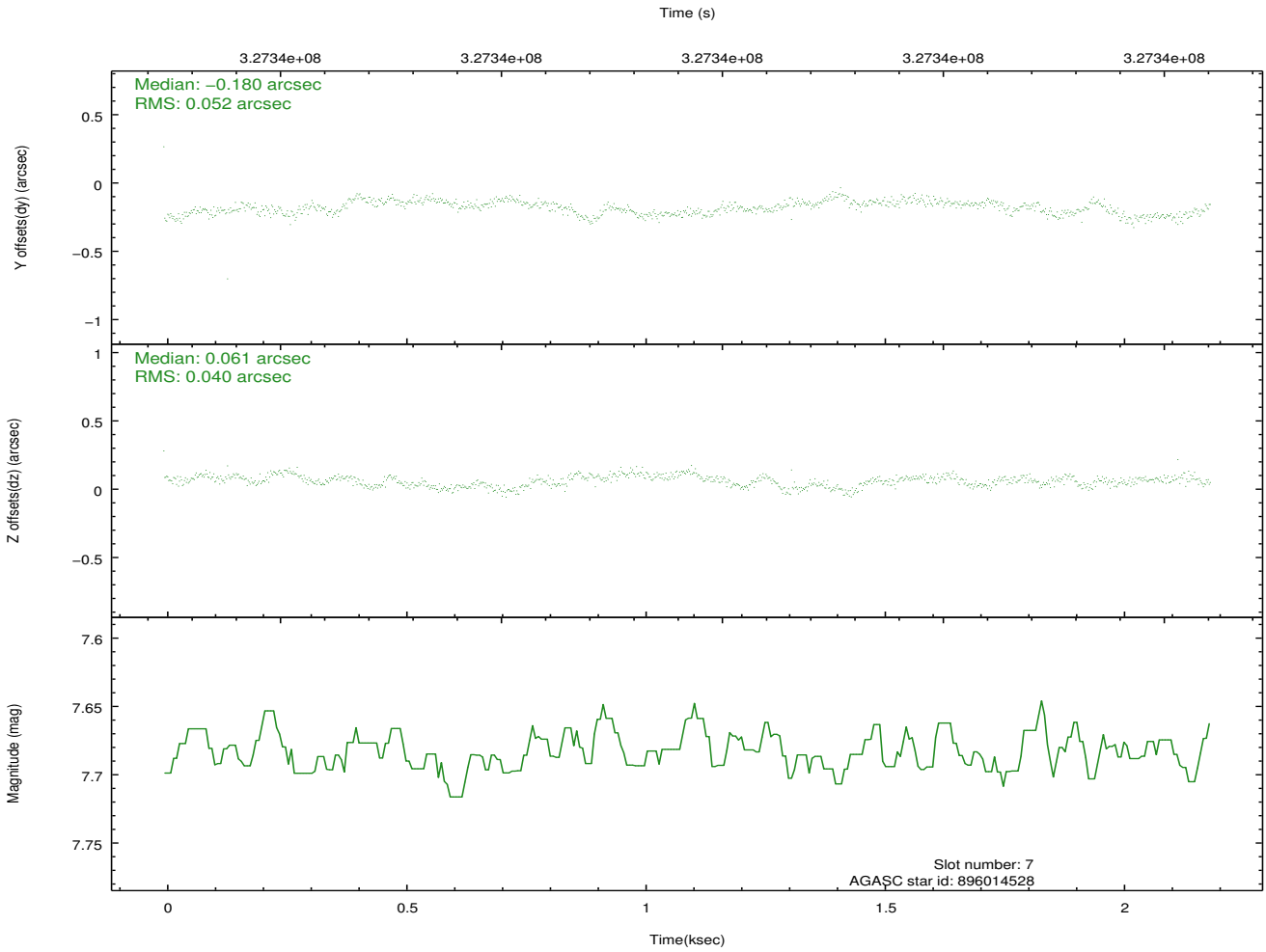
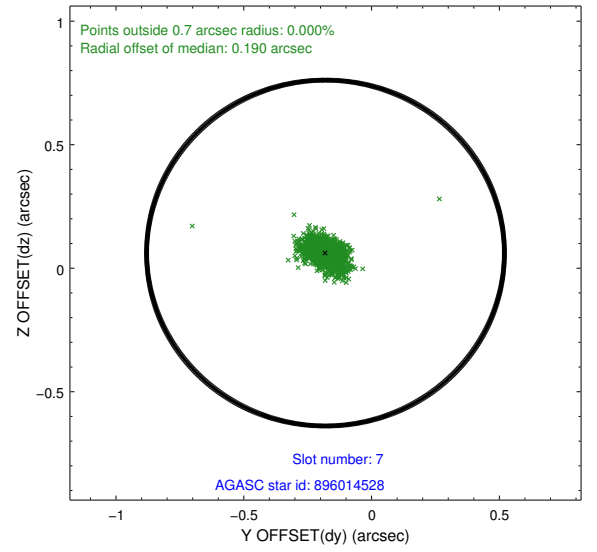
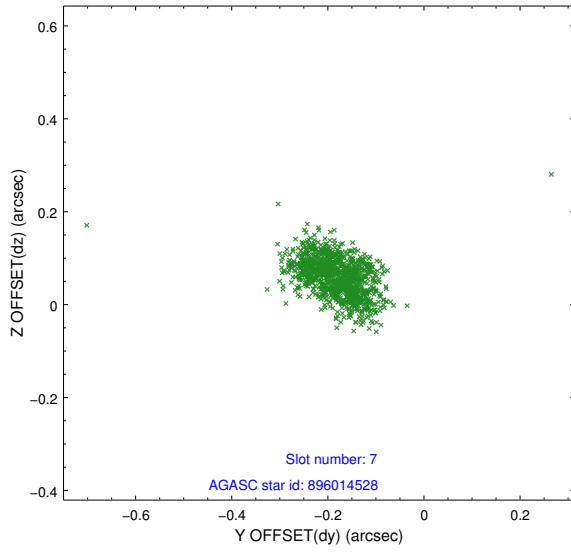
2.4.3 Slot 5



2.4.4 Slot 6

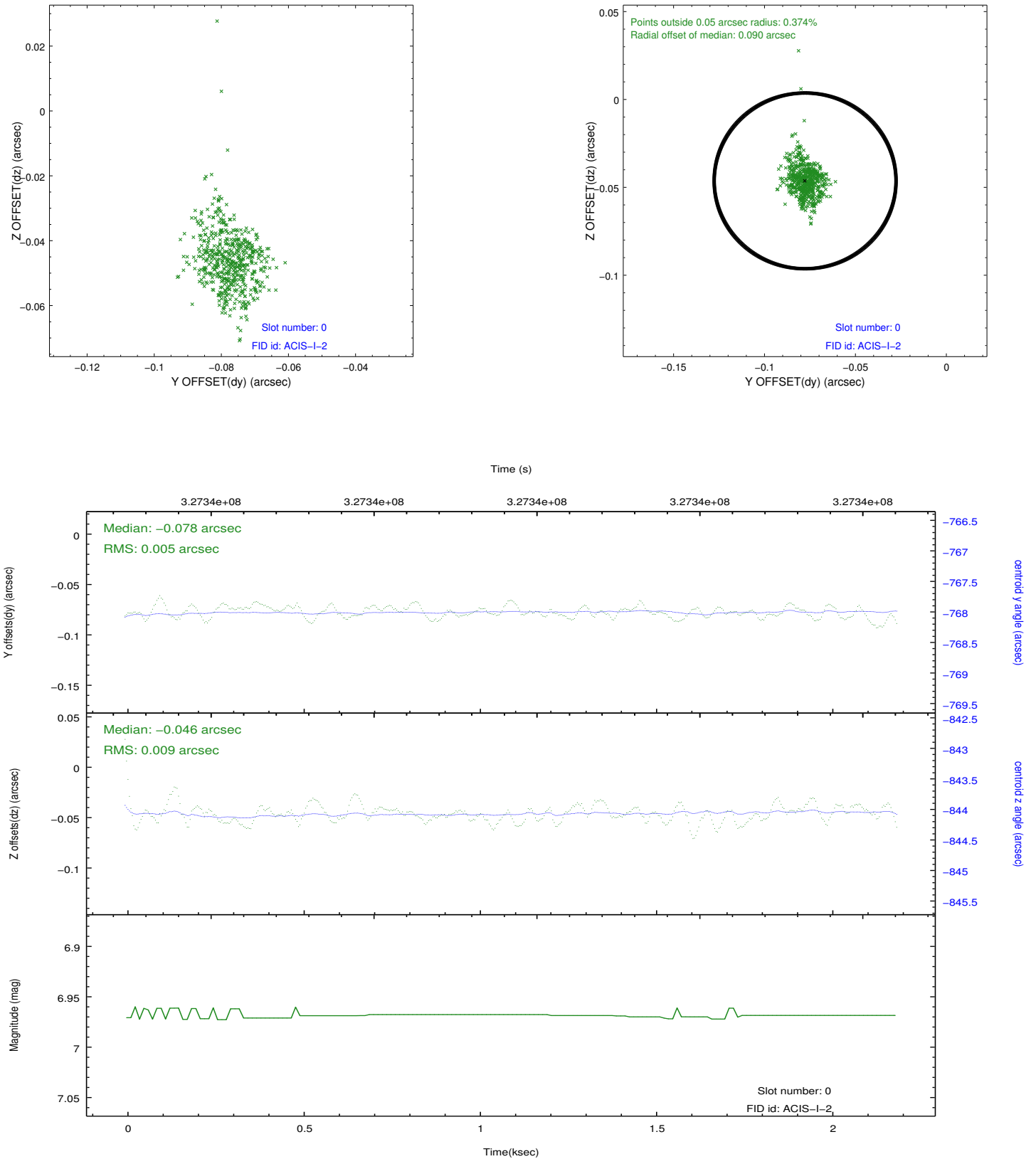


2.4.5 Slot 7

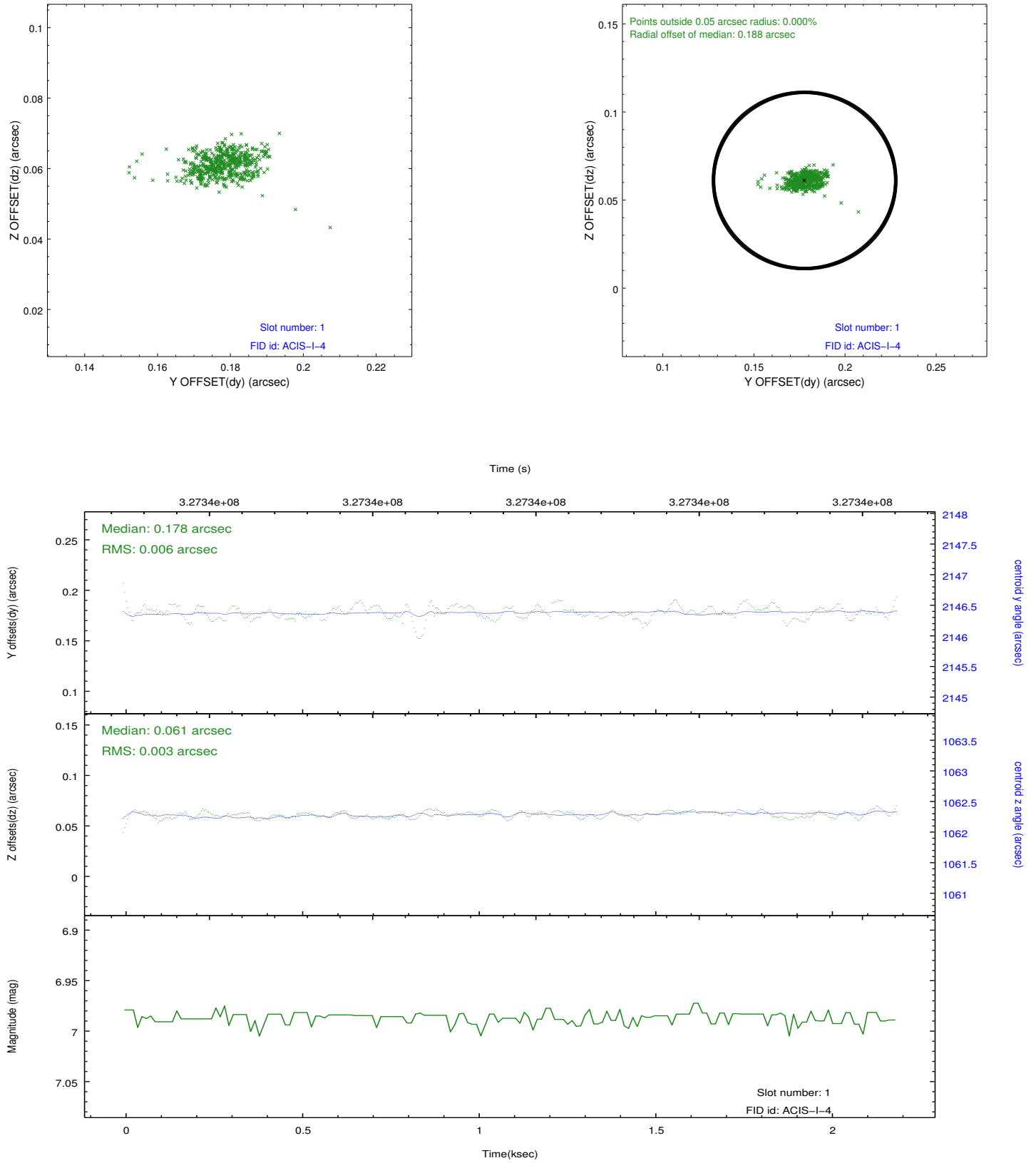


2.5 FID Slots

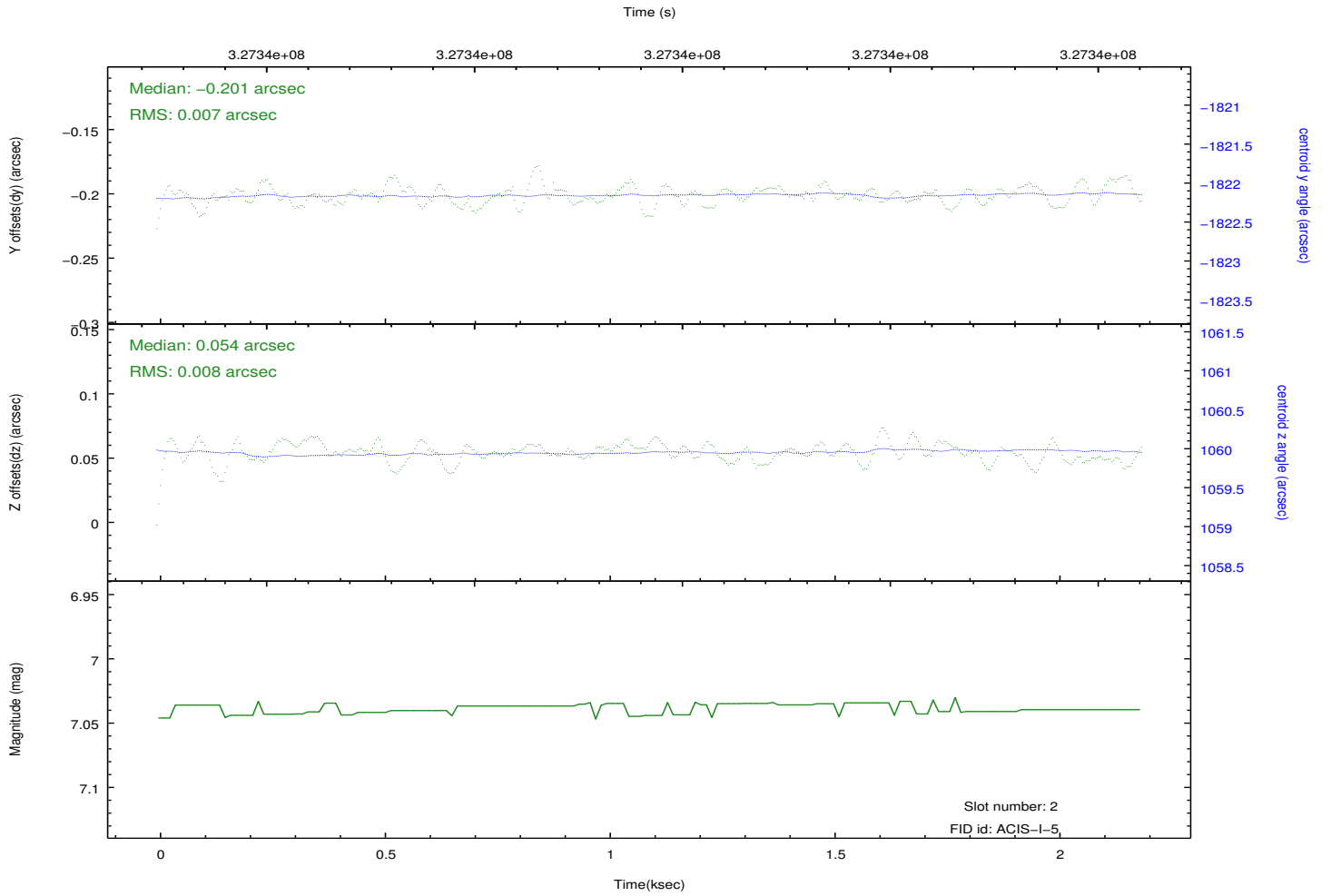
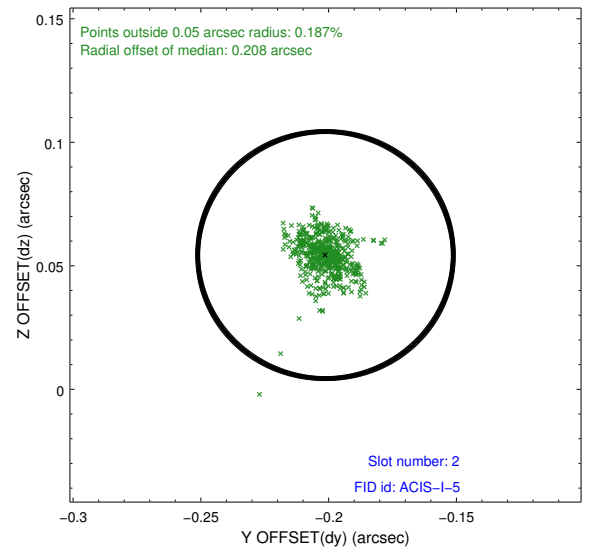
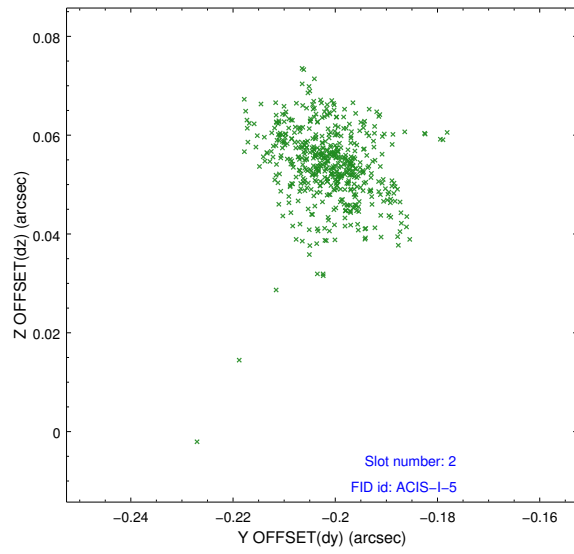
2.5.1 Slot 0



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