

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8666 - L2 Version 2
Chandra X-Ray Center

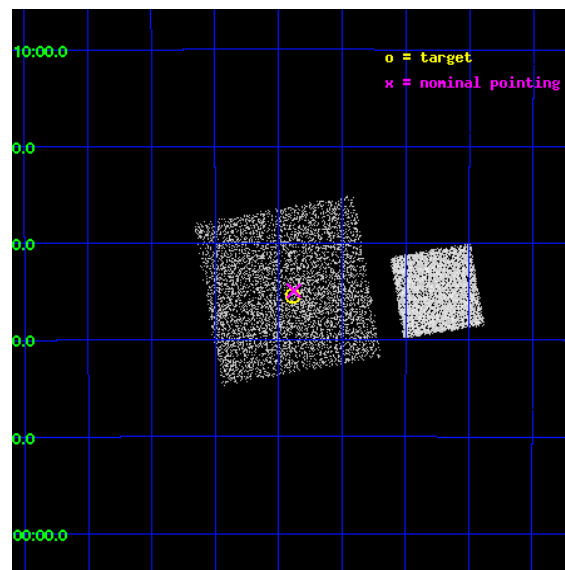
L2 Processing Date : May 15 2012

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1 Front

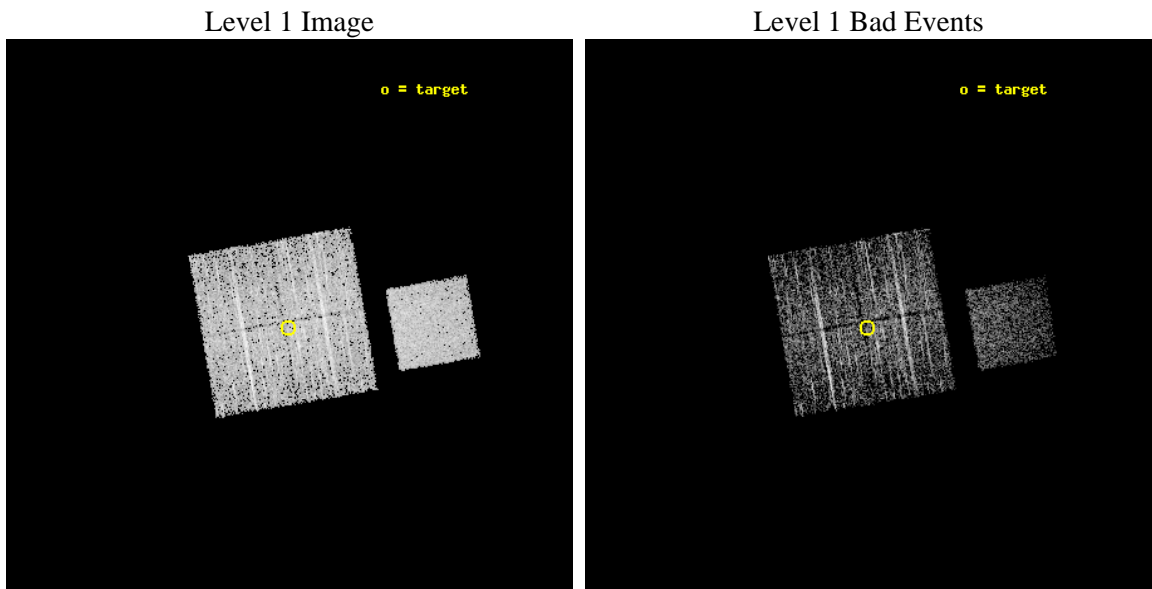
seq_num	400717	Sequence number
obs_id	8666	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	Prof Mariano Mendez	Principal investigator
object	GBSGTO3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	265.346223	Observer's specified target RA [deg]
dec_targ	-27.590397	Observer's specified target Dec [deg]
ra_nom	265.34493314721	Nominal RA [deg]
dec_nom	-27.582285880171	Nominal Dec [deg]
roll_nom	80.208093334763	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2179.3000167608	Sum of GTIs [s]
livetime	2150.8258576645	Livetime [s]
ontime0	2179.3000167608	Sum of GTIs [s]
ontime1	2179.3000167608	Sum of GTIs [s]
ontime2	2179.3000167608	Sum of GTIs [s]
ontime3	2179.3000167608	Sum of GTIs [s]
ontime7	2179.3000167608	Sum of GTIs [s]
l2events	15572	Number of level 2 events



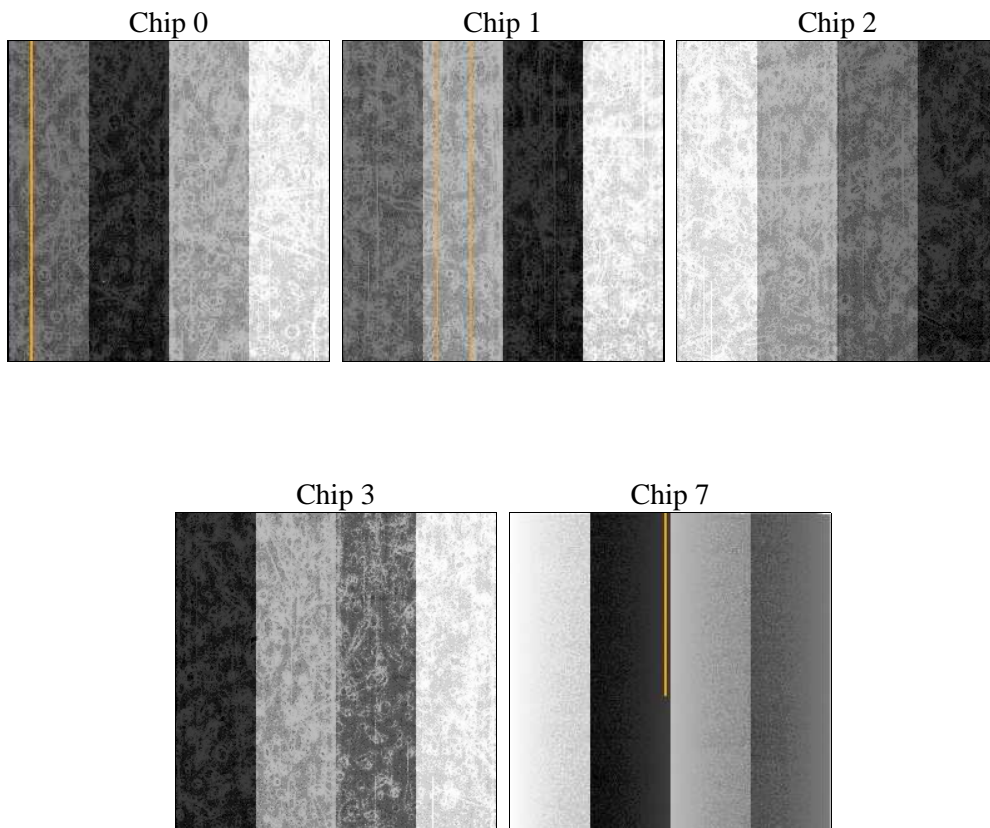
2 OBI

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	2179.3000167608	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	2179.3000167608	Sum of GTIs [s]
date	2012-05-15T03:08:54	Date and time of file creation	ontime1	2179.3000167608	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2179.3000167608	Sum of GTIs [s]
			ontime3	2179.3000167608	Sum of GTIs [s]
			ontime7	2179.3000167608	Sum of GTIs [s]
			l1events	101992	Number of level 1 events

2.1.4 Events

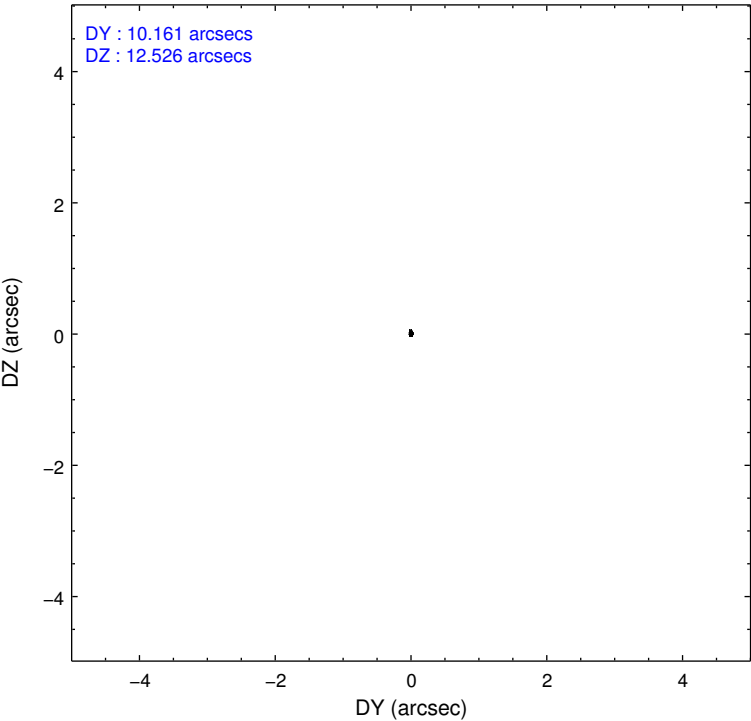
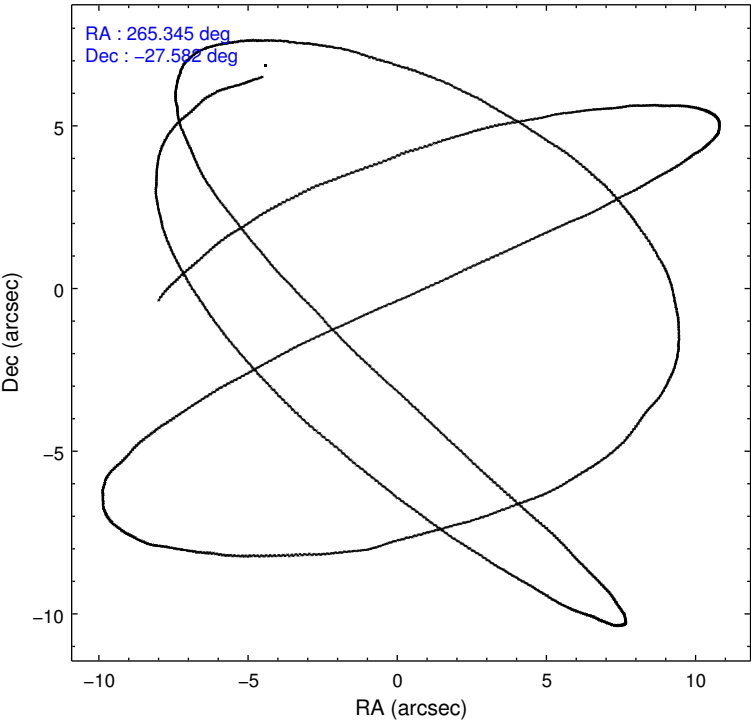
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	18084	20029	20907	20405	22567
rejected events	16093	17836	18889	18467	13518
rejected %	88%	89%	90%	90%	59%

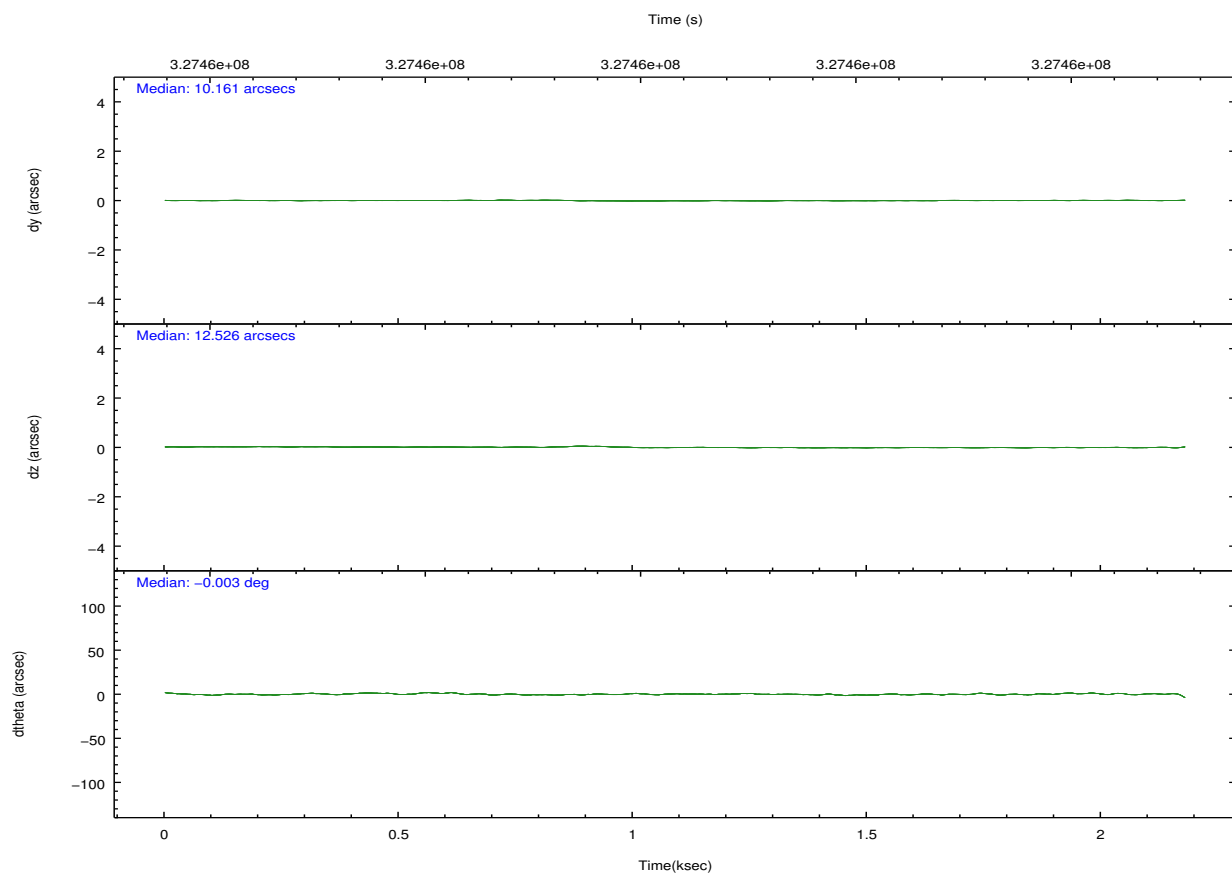
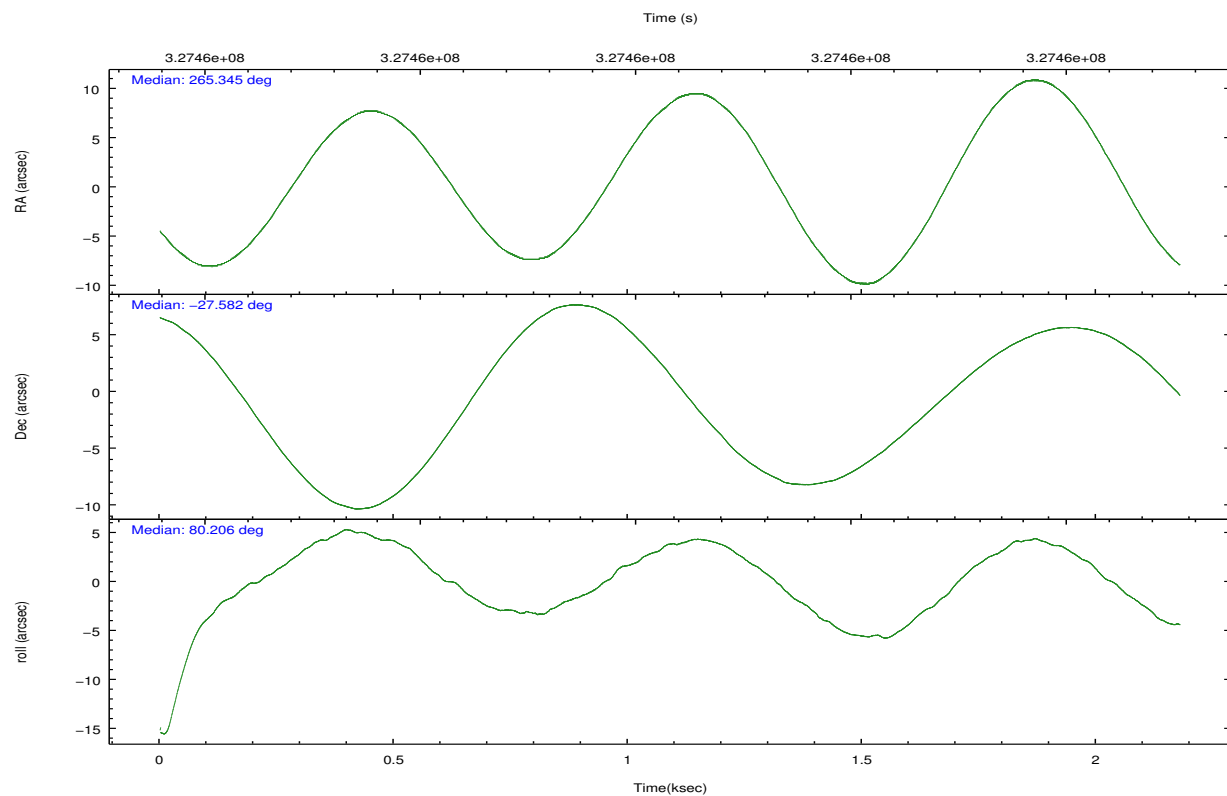
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	967	1034	897	912	963
	5%	5%	4%	4%	4%
grade 1 events	14	6	18	11	33
	0%	0%	0%	0%	0%
grade 2 events	511	562	537	452	2163
	2%	2%	2%	2%	9%
grade 3 events	259	253	232	231	990
	1%	1%	1%	1%	4%
grade 4 events	215	247	247	210	954
	1%	1%	1%	1%	4%
grade 5 events	639	761	683	801	2445
	3%	3%	3%	3%	10%
grade 6 events	374	426	409	390	5370
	2%	2%	1%	1%	23%
grade 7 events	15105	16740	17884	17398	9649
	83%	83%	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	265.355867	265.3449331472139	CCD I2 on	Y	Y
[deg] Pointing Dec	-27.608152	-27.58228588017134	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004468	80.20809333476312	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)	327457174.184000	327456798.40739	CCD S5 on	N	N
Observation start date	2008-05-18T00:18:29	2008-05-18T00:13:18	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327459174.184000	327459308.12002	On-chip summing requested	N	N
Observation end date	2008-05-18T00:51:49	2008-05-18T00:55:08	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



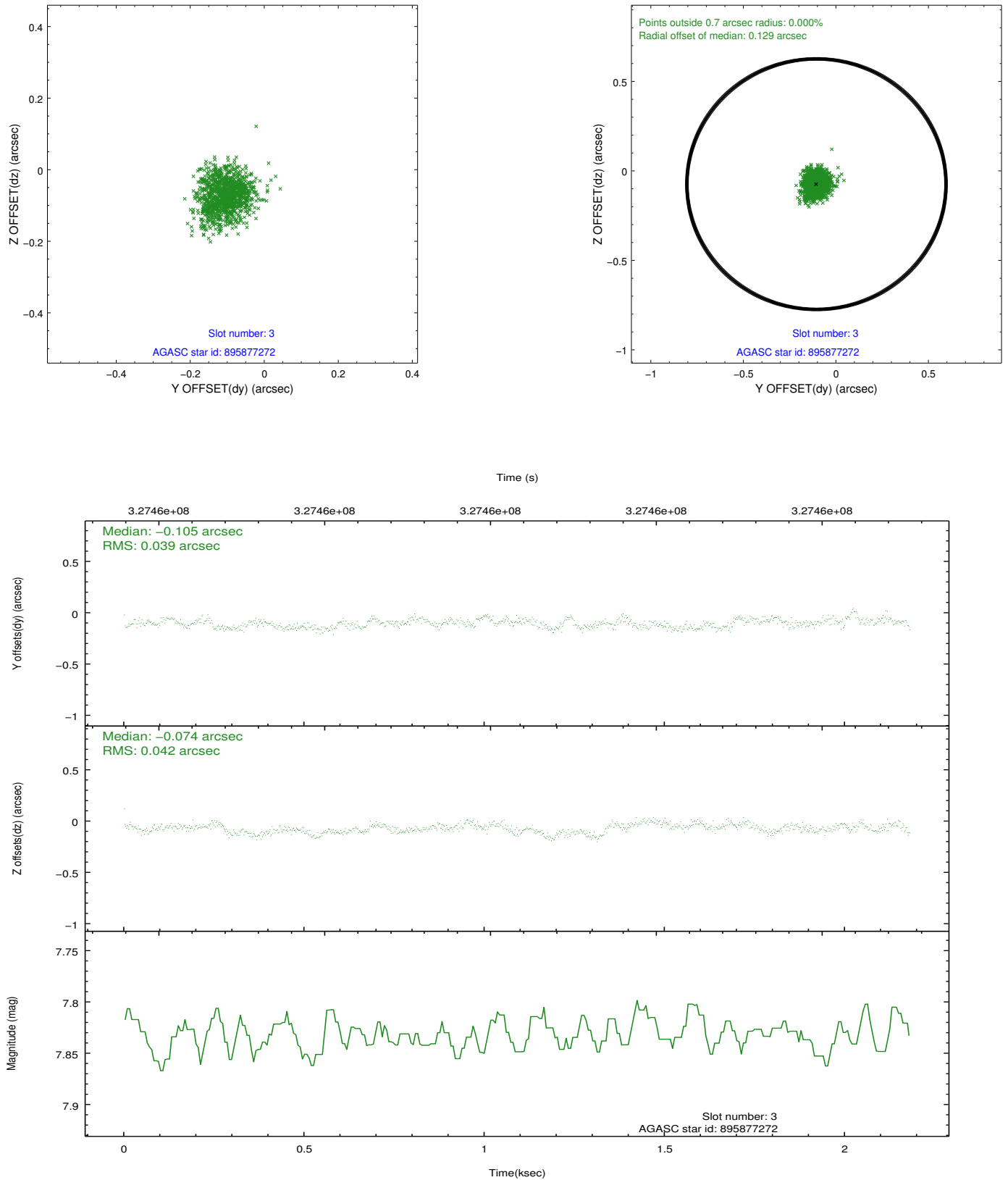


Slot Statistics

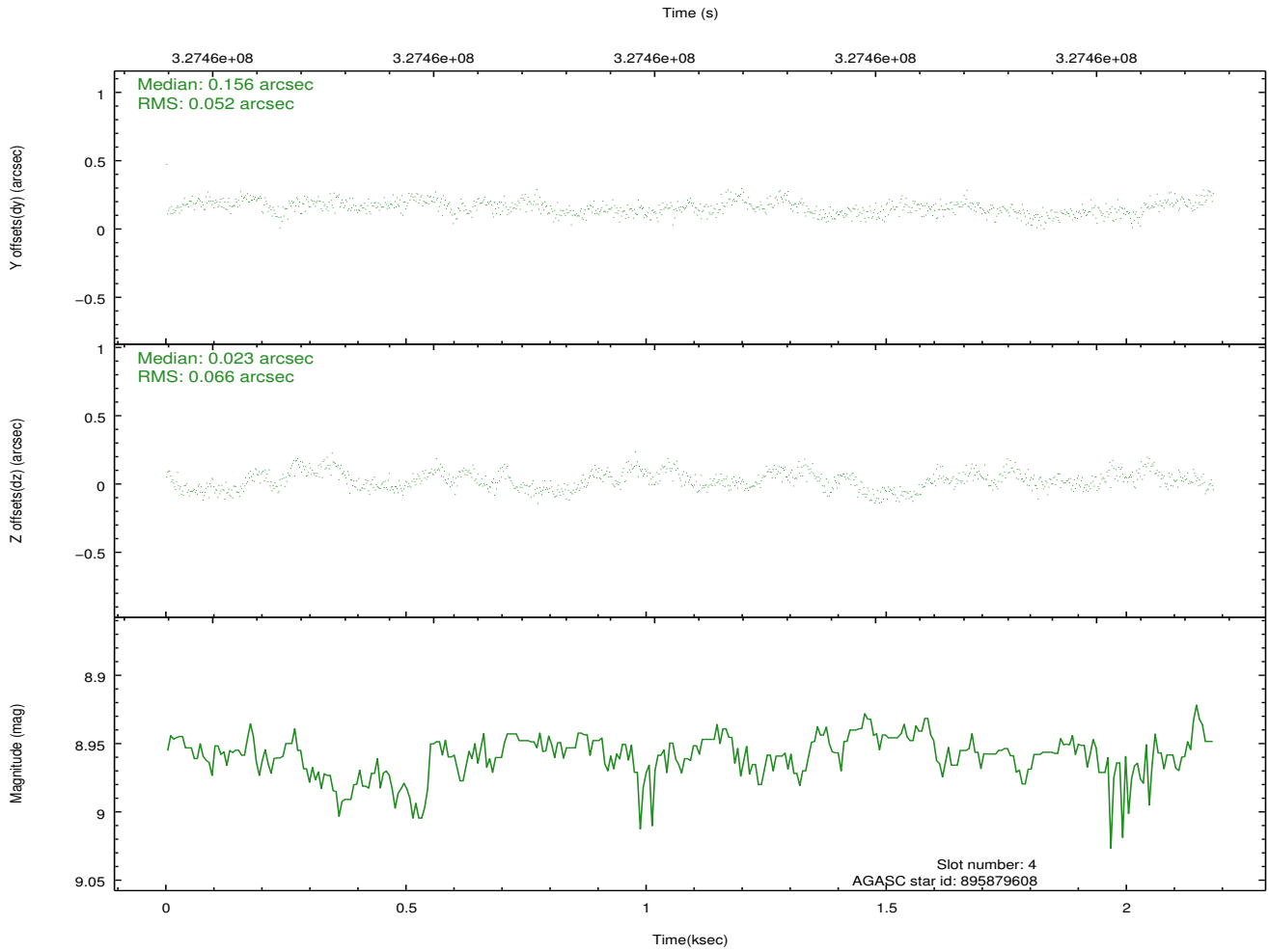
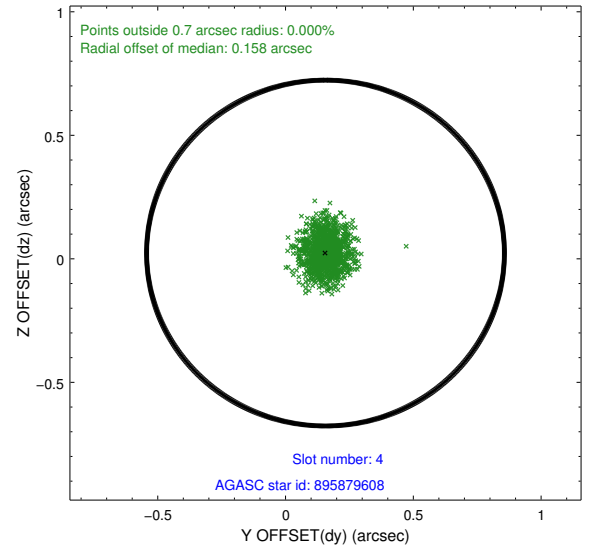
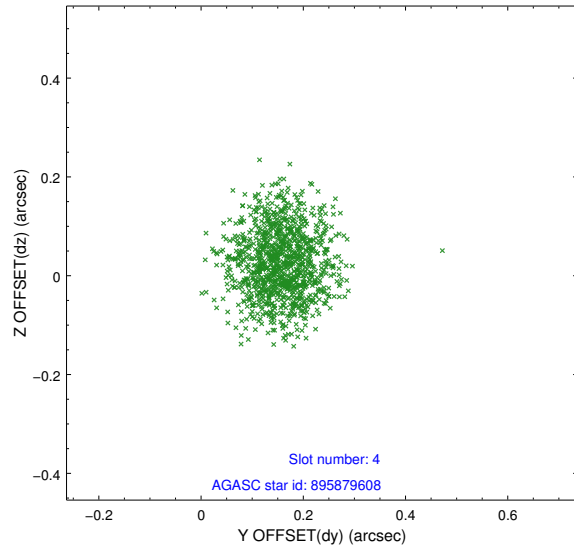
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.03	532	0.011	-0.063	0.010	0.019	0.000000	0.000000	929.45	-836.12
1	FID	ACIS-I-4	6.96	532	0.106	0.062	0.010	0.016	0.000000	0.000000	2151.24	1062.33
2	FID	ACIS-I-5	7.00	532	-0.216	0.072	0.008	0.015	0.000000	0.000000	-1814.95	1063.55
3	GUIDE	895877272	7.83	1064	-0.105	-0.074	0.062	0.099	264.774842	-26.937569	2048.63	2254.49
4	GUIDE	895879608	8.96	1063	0.156	0.023	0.091	0.142	265.708239	-27.843915	-640.73	-1250.43
5	GUIDE	895879840	7.18	1064	-0.163	-0.141	0.048	0.079	265.218397	-27.395778	675.40	563.94
6	GUIDE	896402656	8.85	1062	0.056	0.076	0.070	0.106	265.739192	-28.230753	-1997.54	-1586.61
7	GUIDE	896402272	7.59	1062	0.057	0.119	0.055	0.084	265.637294	-28.313189	-2347.70	-1320.98

2.4 Star Slots

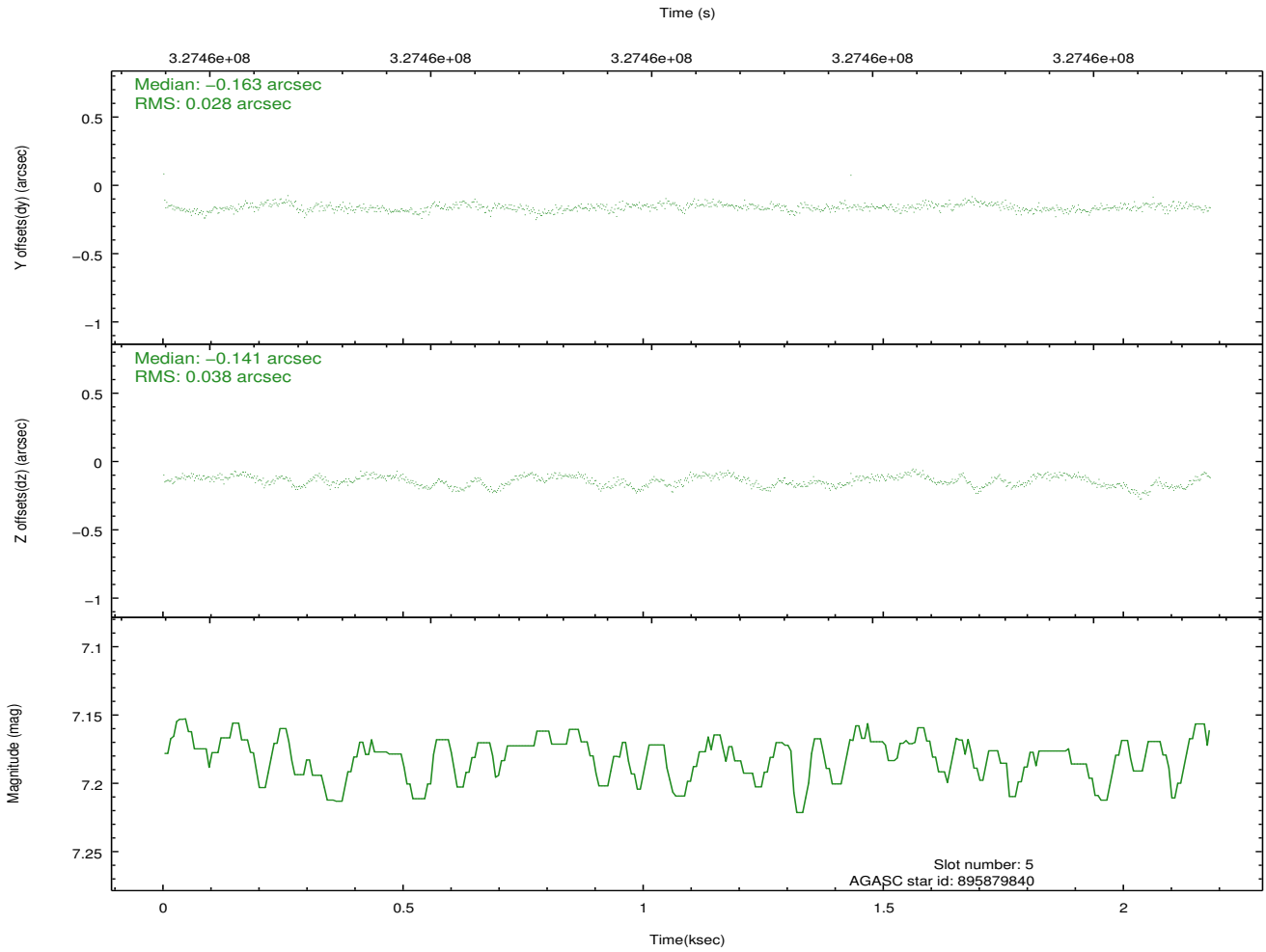
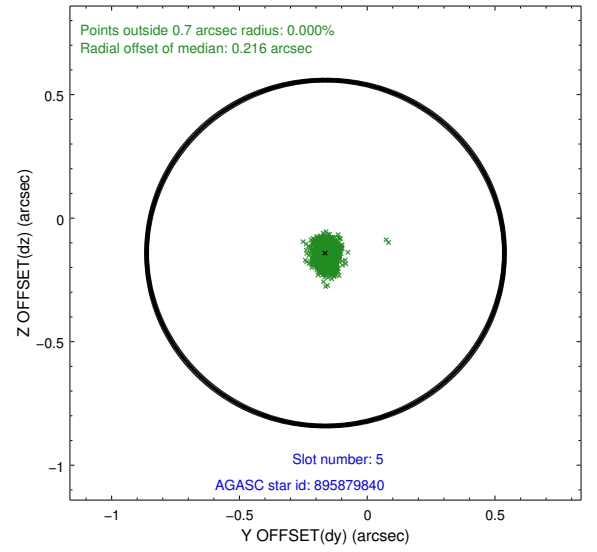
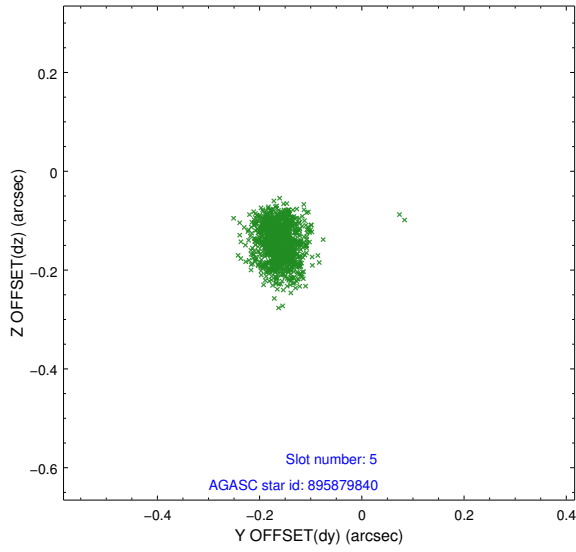
2.4.1 Slot 3



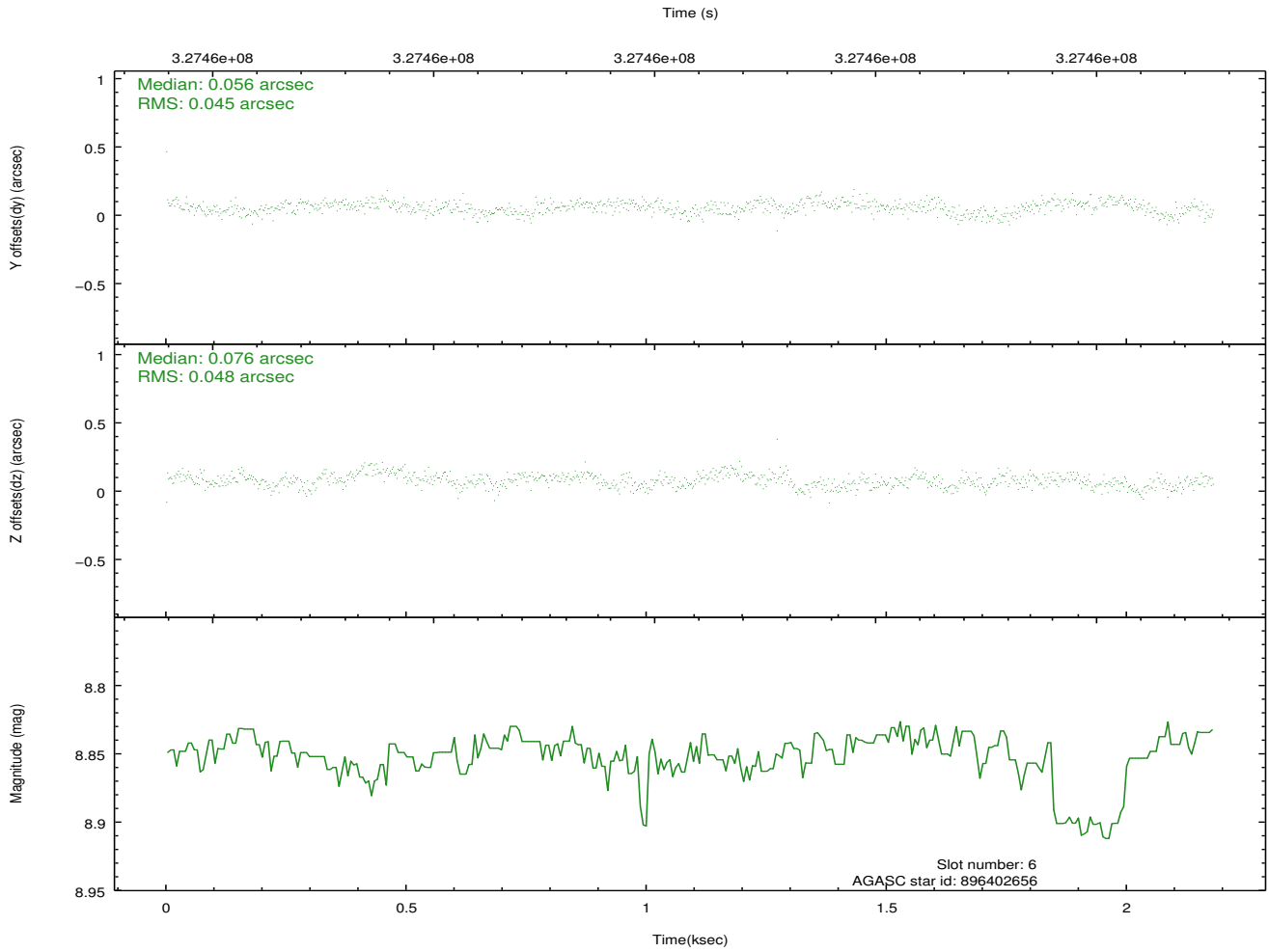
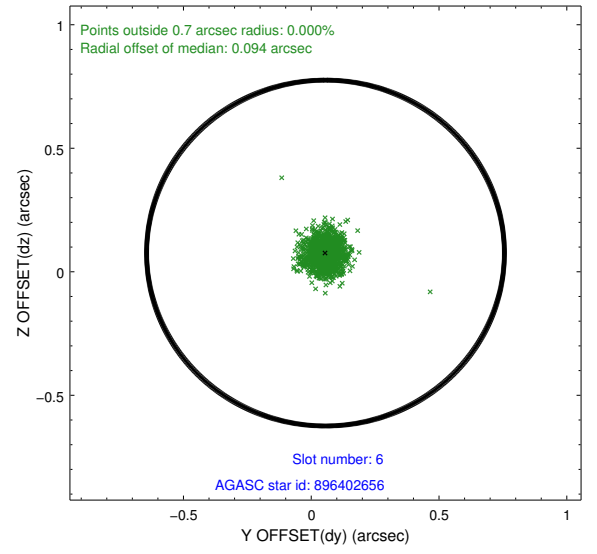
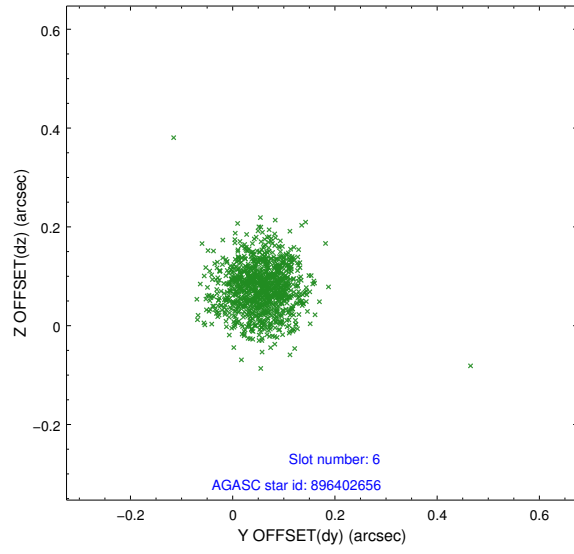
2.4.2 Slot 4



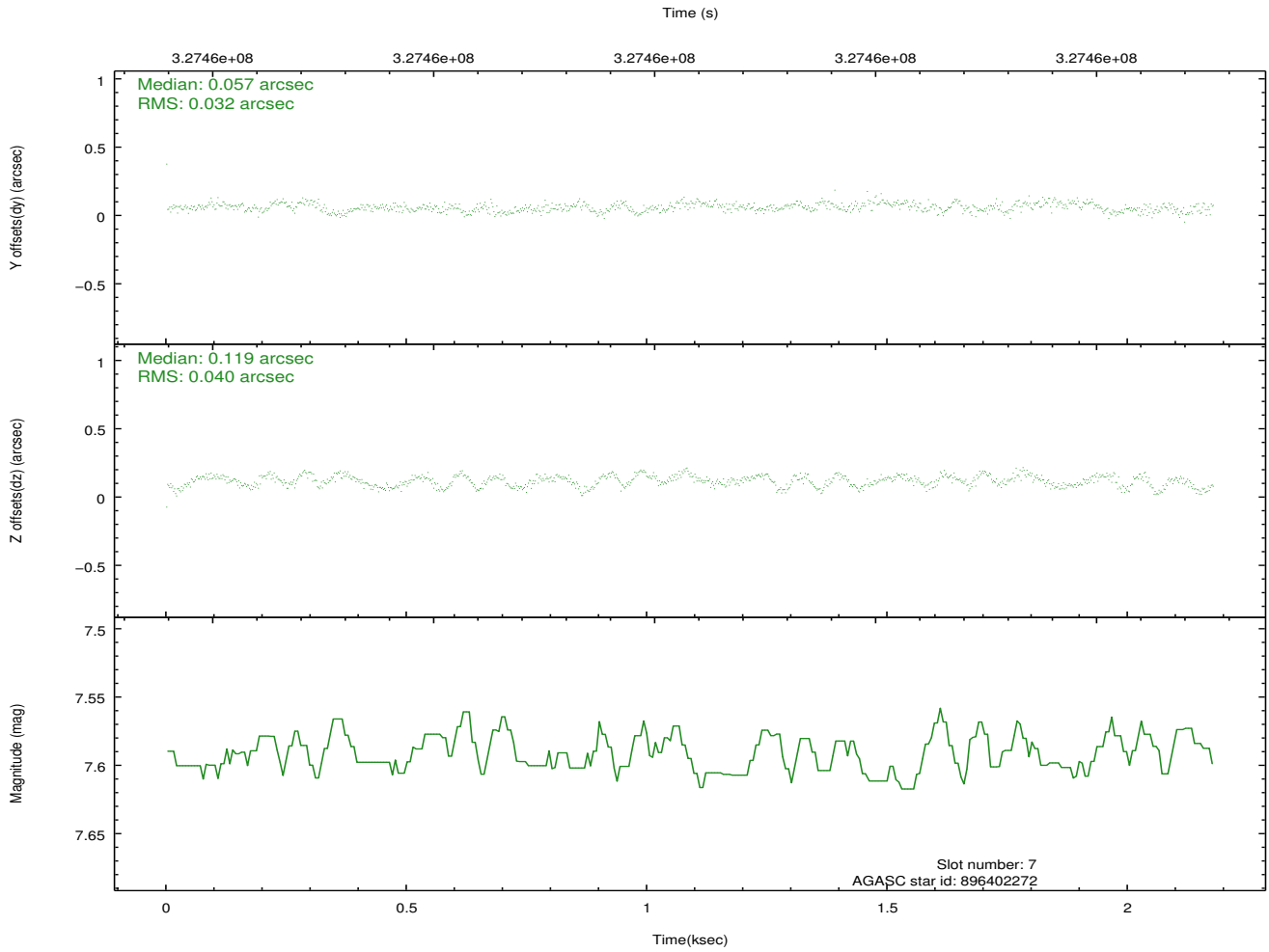
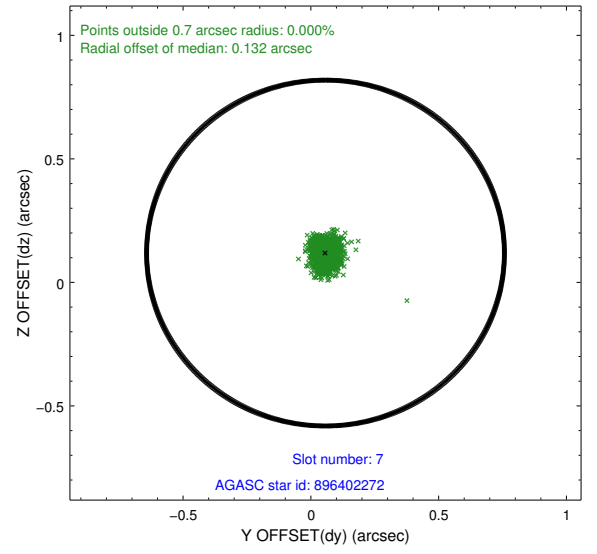
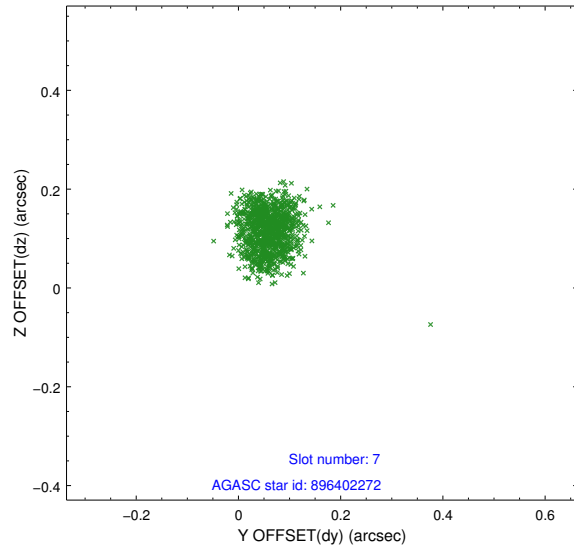
2.4.3 Slot 5



2.4.4 Slot 6

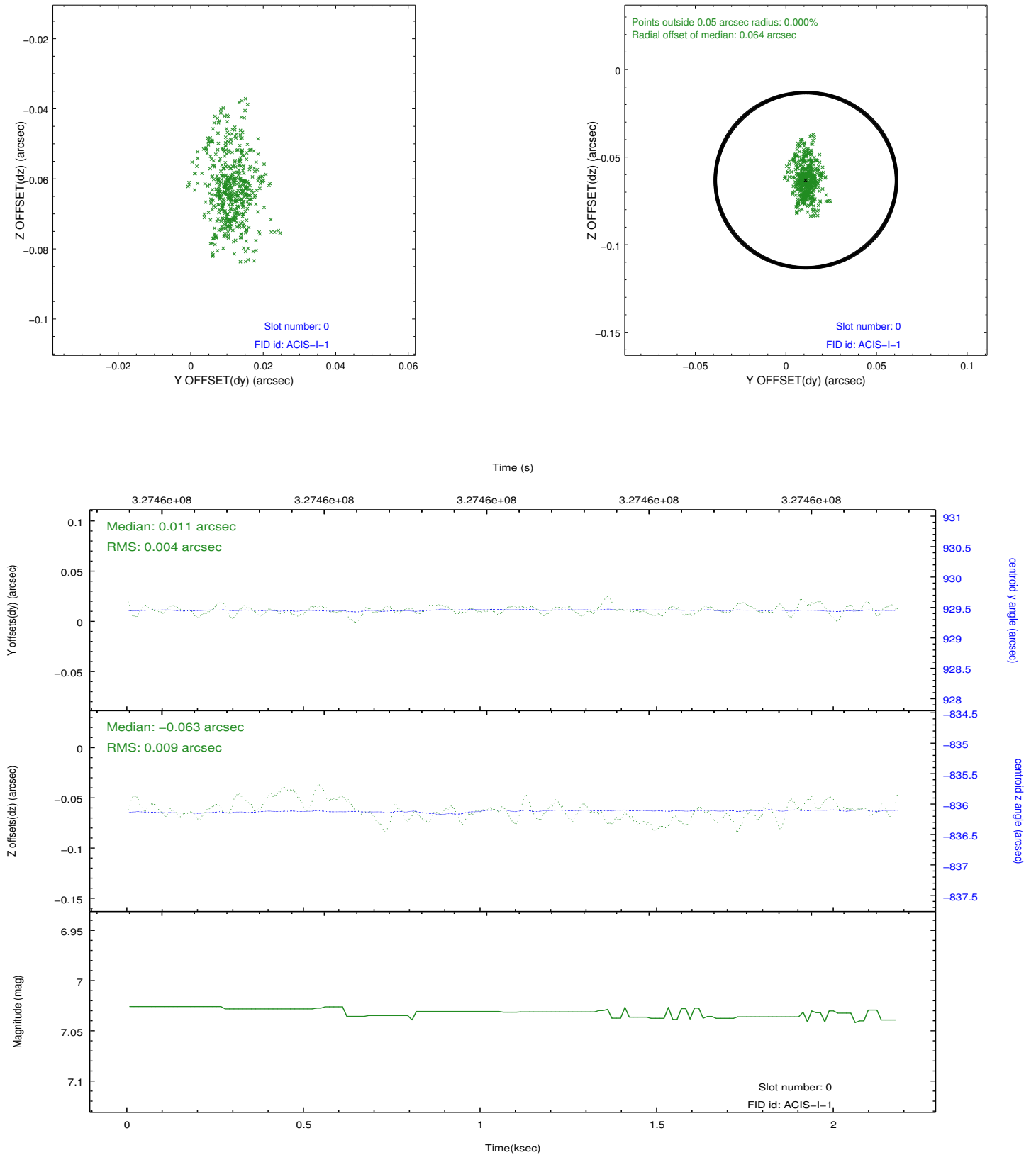


2.4.5 Slot 7

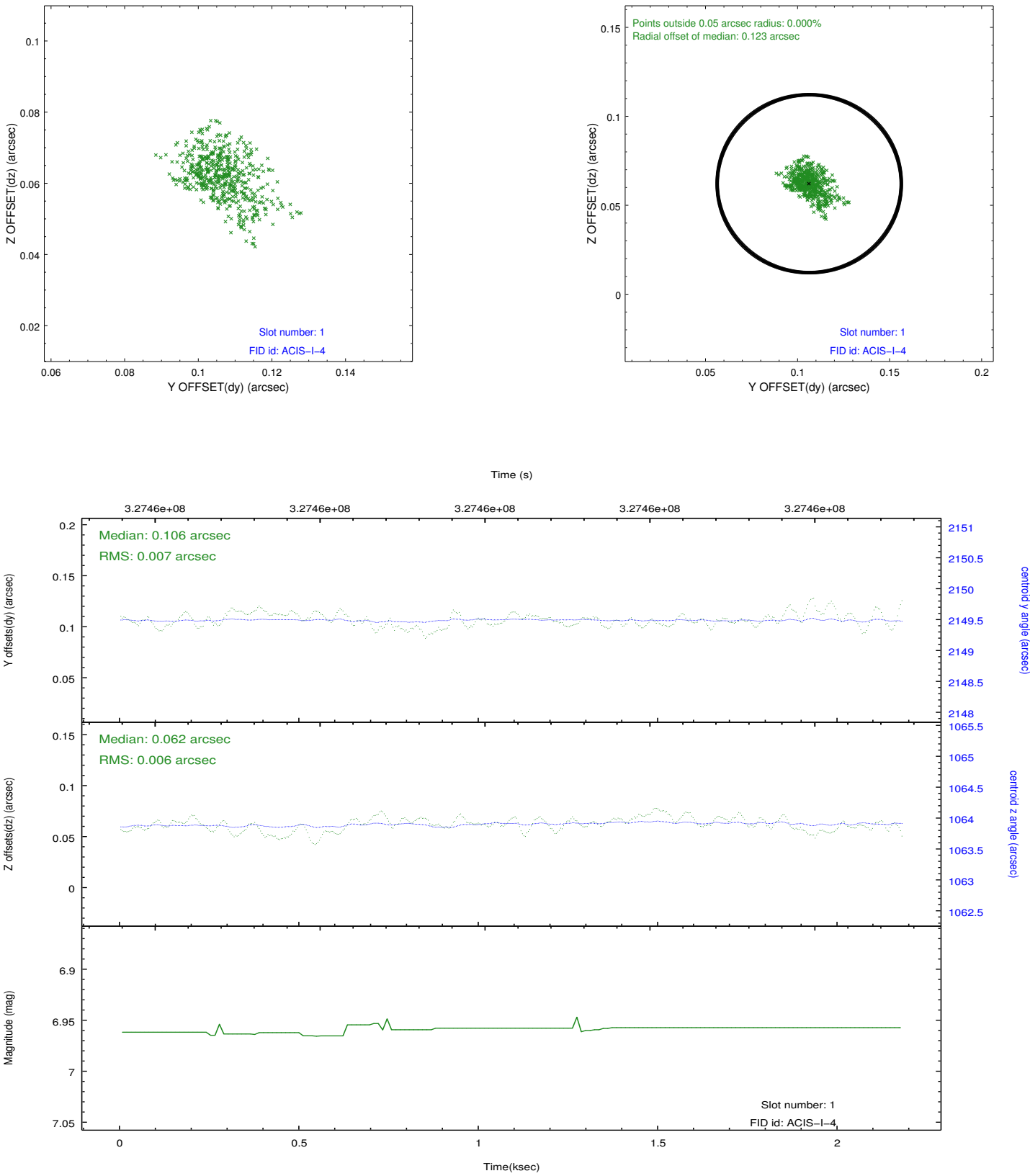


2.5 FID Slots

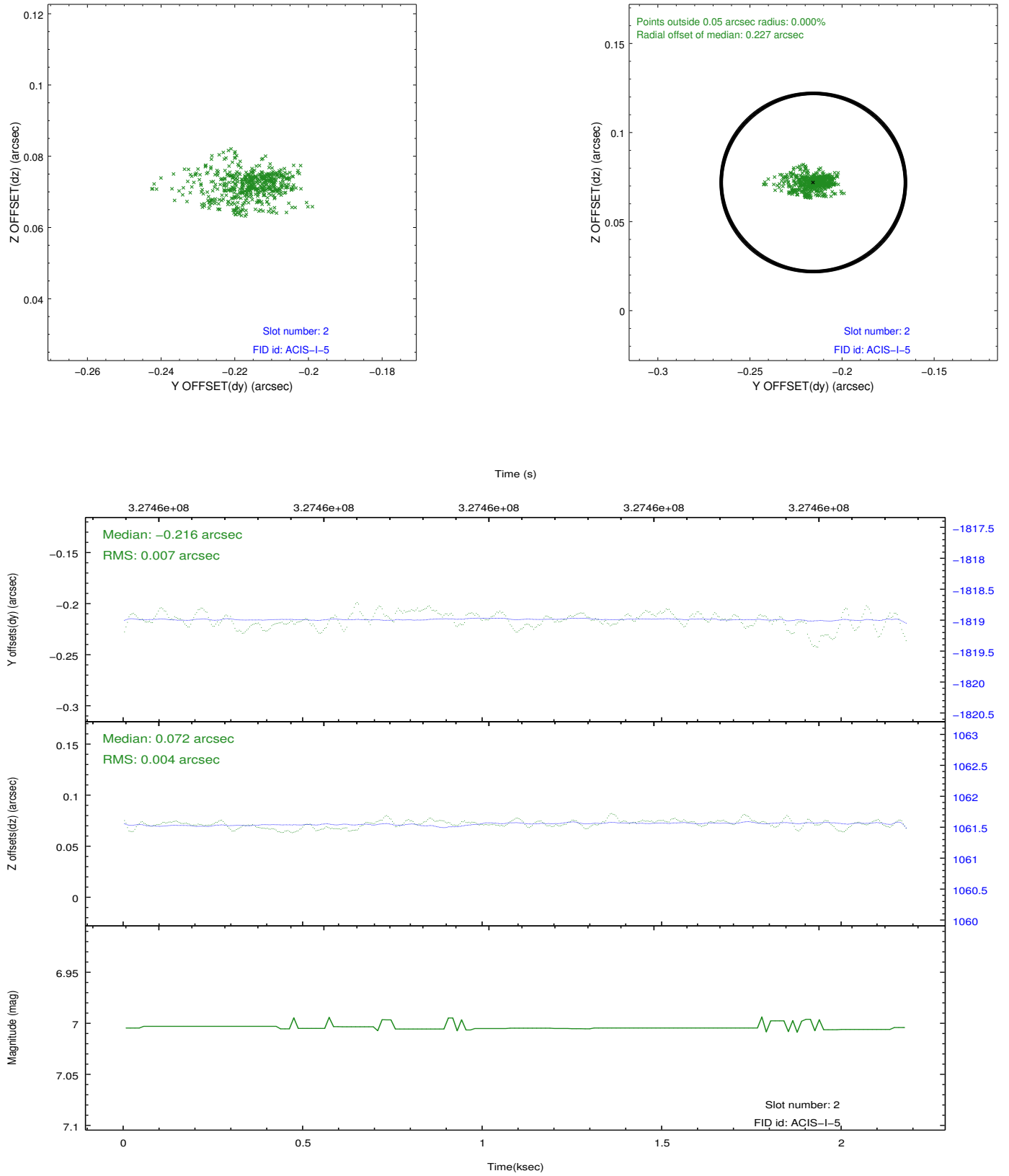
2.5.1 Slot 0



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	2.17930001

A.2 Comments