

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8667 - L2 Version 2
Chandra X-Ray Center

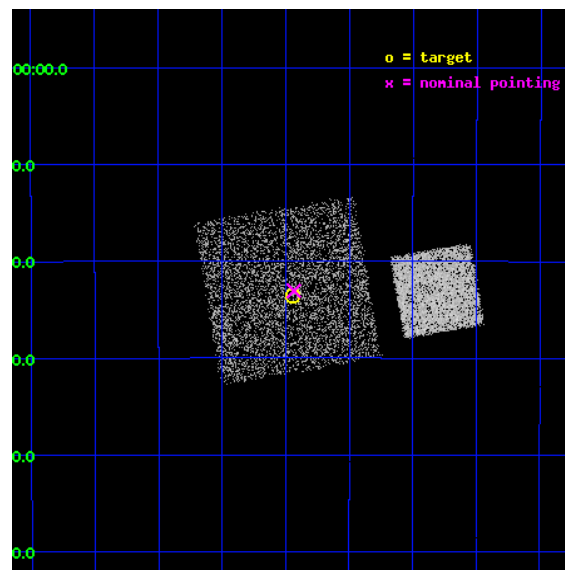
L2 Processing Date : May 15 2012

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1 Front

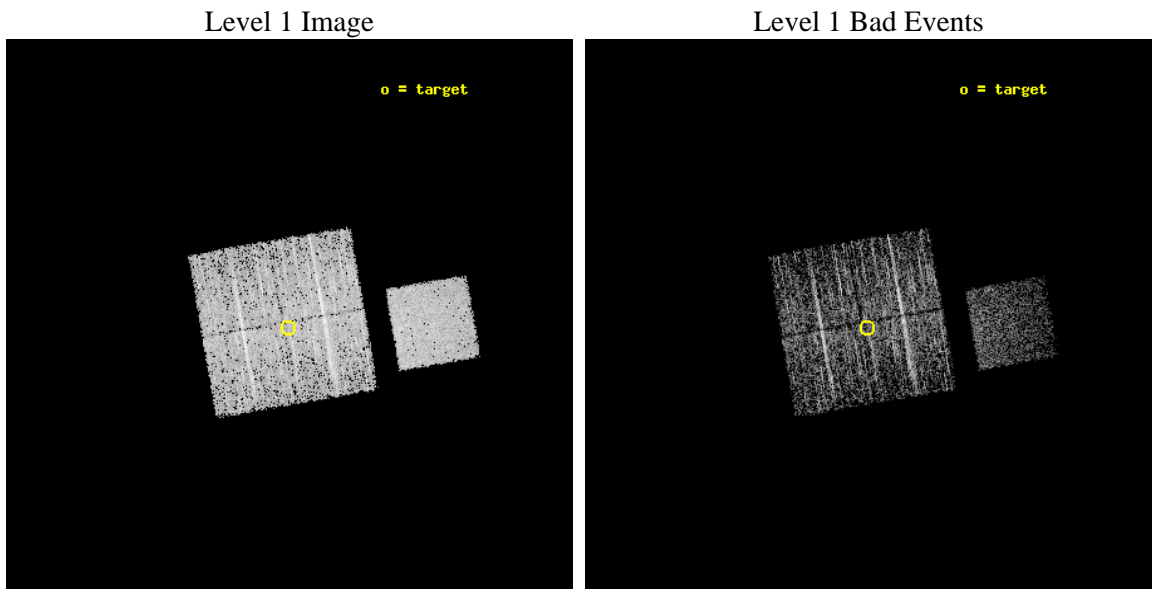
seq_num	400718	Sequence number
obs_id	8667	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	Prof Mariano Mendez	Principal investigator
object	GBSGTO3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	265.485014	Observer's specified target RA [deg]
dec_targ	-27.392283	Observer's specified target Dec [deg]
ra_nom	265.48379145938	Nominal RA [deg]
dec_nom	-27.384359539388	Nominal Dec [deg]
roll_nom	80.208216806842	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	15633	Number of level 2 events



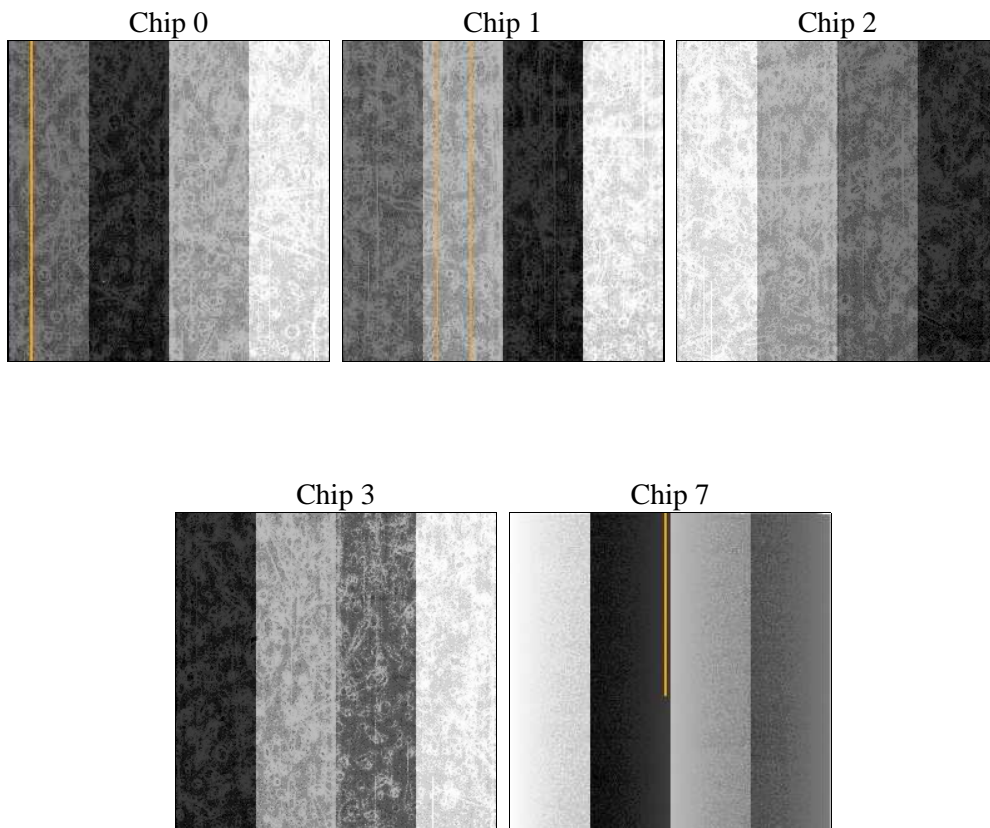
2 OBI

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	2012-05-15T03:07:48	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	104438	Number of level 1 events

2.1.4 Events

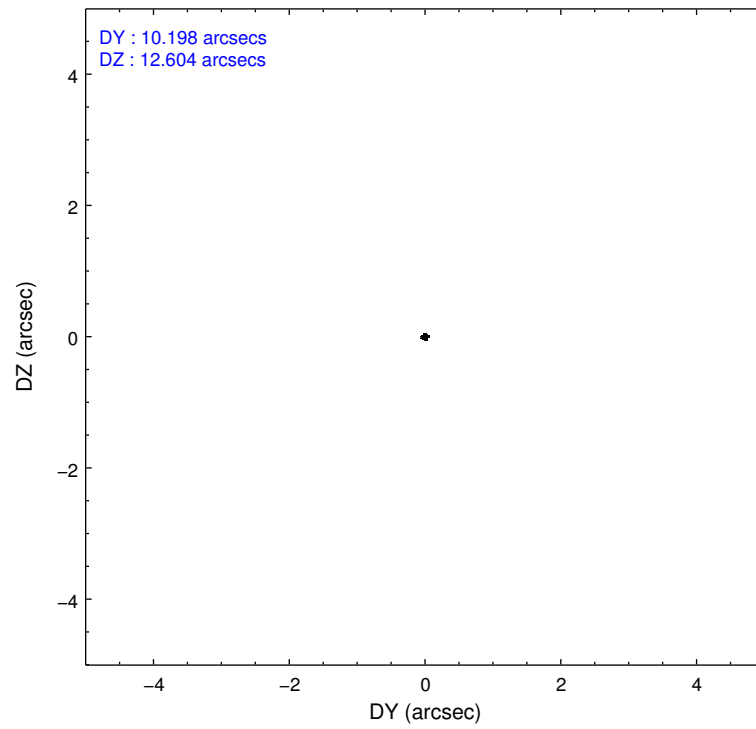
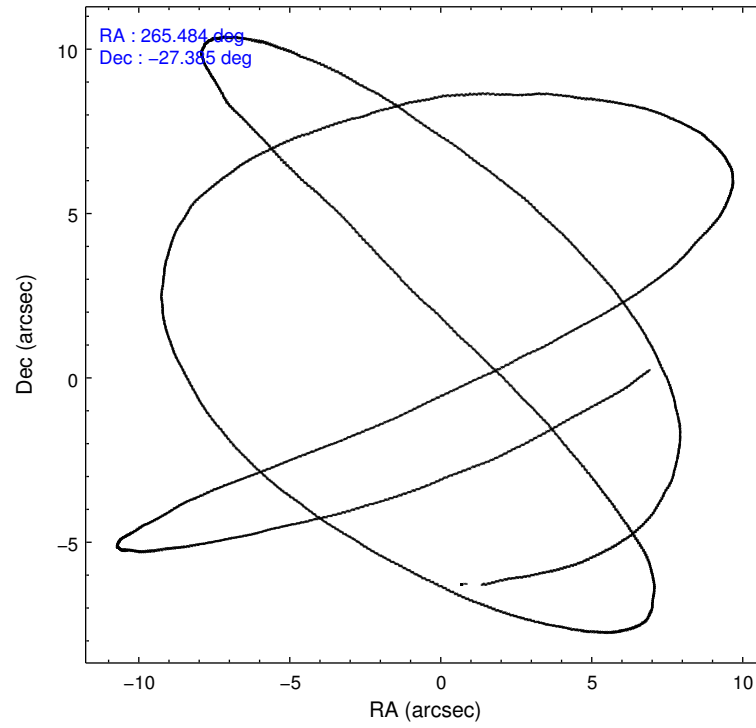
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	18851	19771	21794	21232	22790
rejected events	16888	17544	19782	19359	13672
rejected %	89%	88%	90%	91%	59%

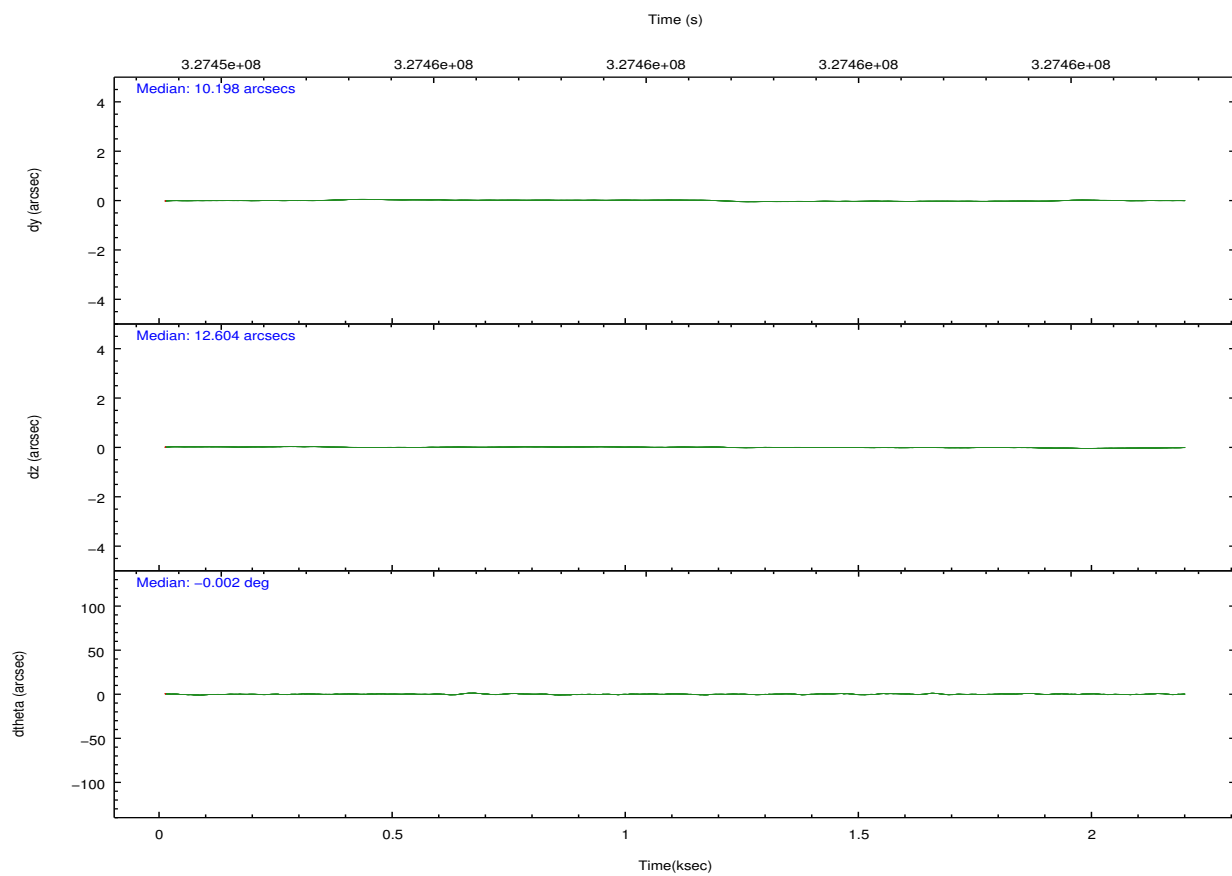
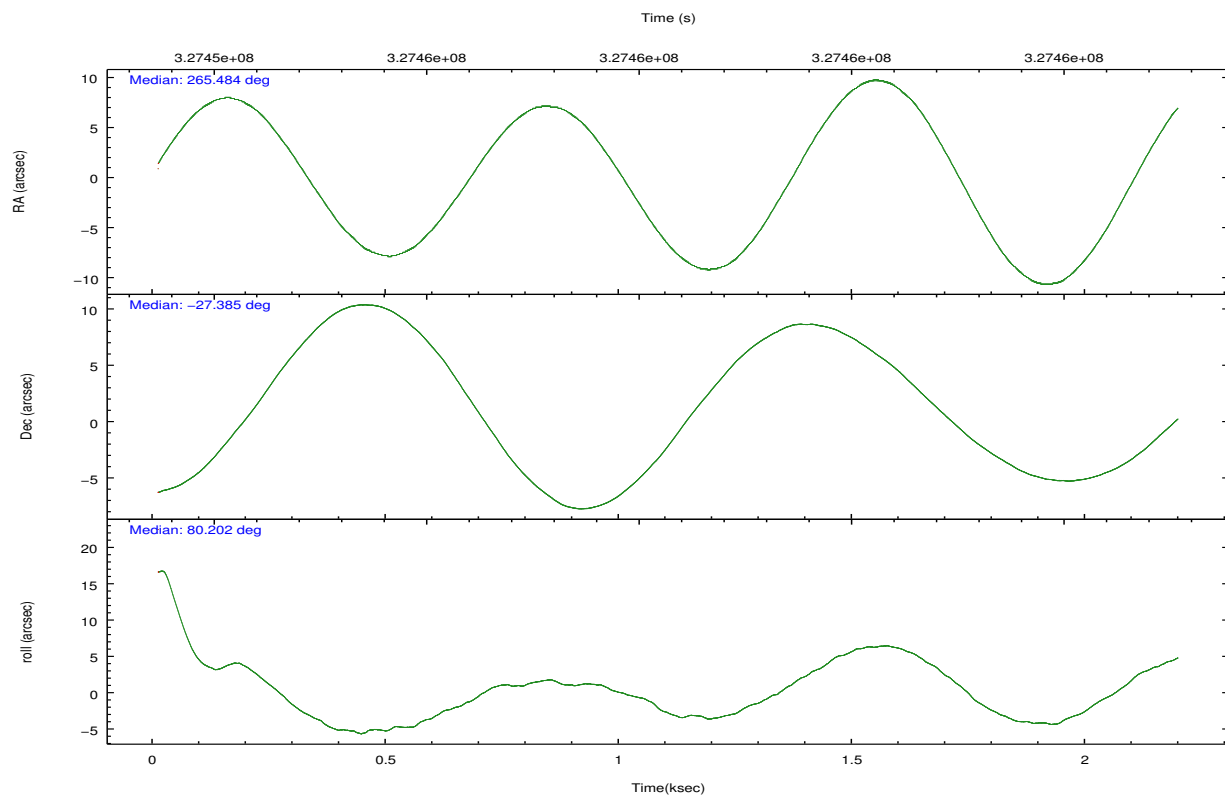
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	901	1058	978	859	1030
	4%	5%	4%	4%	4%
grade 1 events	20	9	16	12	27
	0%	0%	0%	0%	0%
grade 2 events	476	497	472	457	2182
	2%	2%	2%	2%	9%
grade 3 events	220	280	224	216	934
	1%	1%	1%	1%	4%
grade 4 events	228	229	225	225	922
	1%	1%	1%	1%	4%
grade 5 events	677	745	623	840	2423
	3%	3%	2%	3%	10%
grade 6 events	419	500	411	394	5466
	2%	2%	1%	1%	23%
grade 7 events	15910	16453	18845	18229	9806
	84%	83%	86%	85%	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	265.494640	265.4837914593818	CCD I2 on	Y	Y
[deg] Pointing Dec	-27.410041	-27.38435953938768	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004432	80.20821680684234	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)	327454664.184000	327454288.18227	CCD S5 on	N	N
Observation start date	2008-05-17T23:36:39	2008-05-17T23:31:28	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327456664.184000	327456798.40739	On-chip summing requested	N	N
Observation end date	2008-05-18T00:09:59	2008-05-18T00:13:18	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



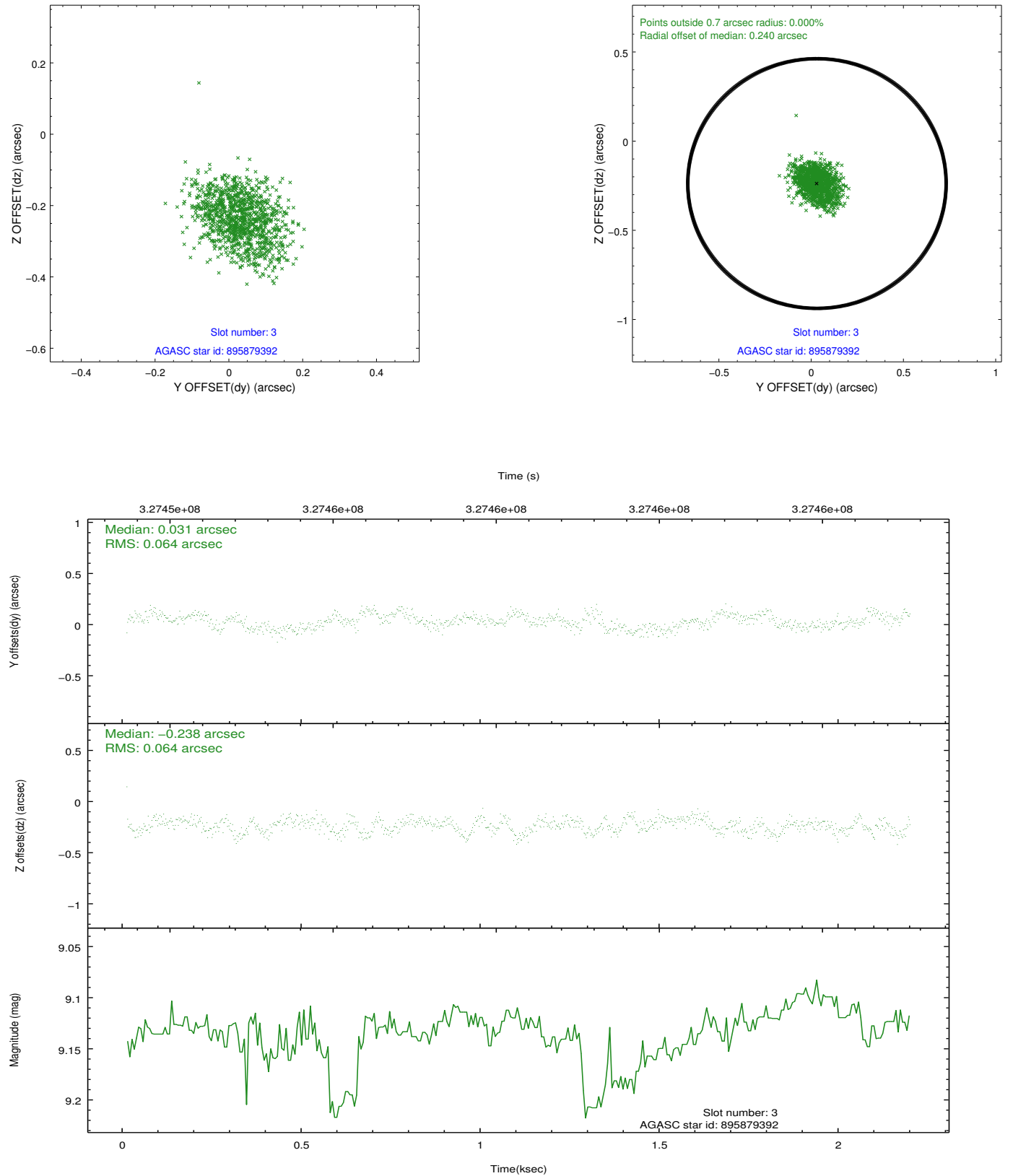


Slot Statistics

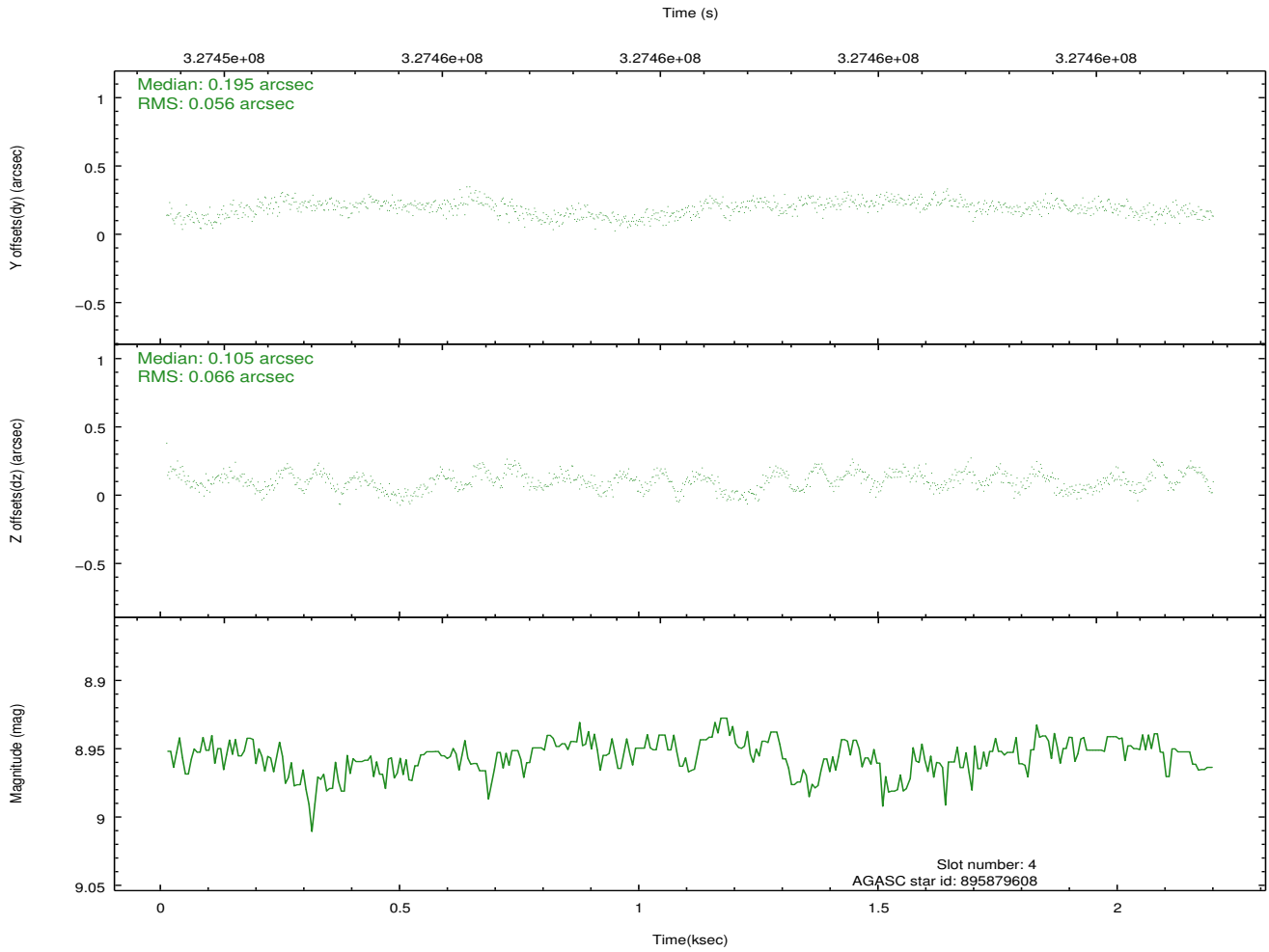
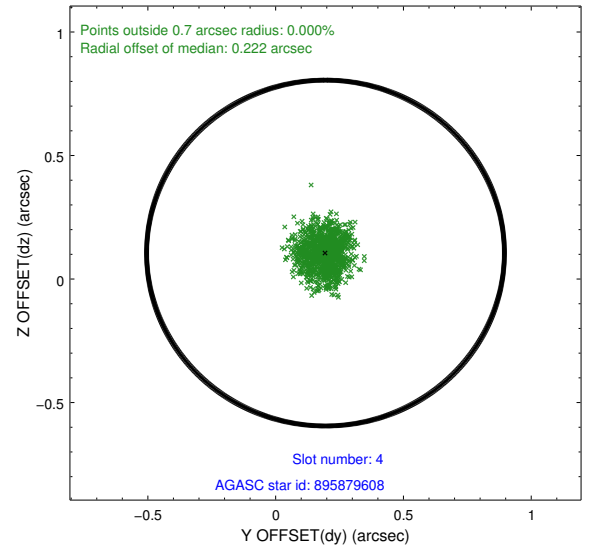
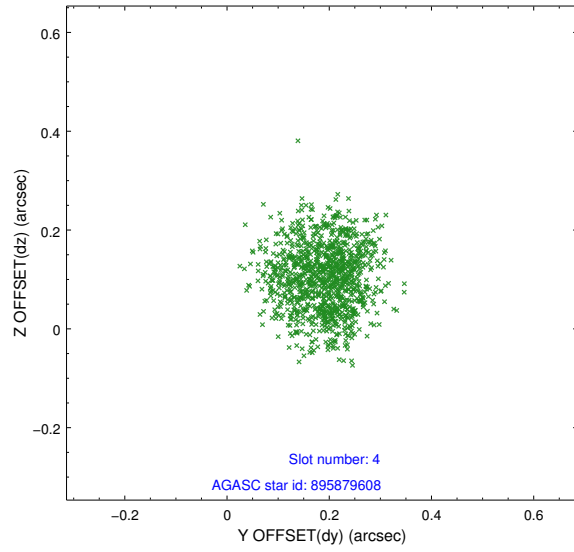
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.02	534	0.059	-0.005	0.006	0.010	0.000000	0.000000	929.45	-836.16
1	FID	ACIS-I-5	7.01	534	-0.205	0.070	0.006	0.010	0.000000	0.000000	-1817.26	1059.94
2	FID	ACIS-I-6	7.02	534	0.055	0.007	0.007	0.011	0.000000	0.000000	391.77	1707.74
3	GUIDE	895879392	9.13	1068	0.031	-0.238	0.098	0.156	264.792874	-27.441876	-507.83	2186.80
4	GUIDE	895879608	8.95	1067	0.195	0.105	0.095	0.143	265.708239	-27.843915	-1420.35	-938.81
5	GUIDE	895879840	7.20	1068	-0.088	-0.042	0.045	0.072	265.218397	-27.395778	-104.67	877.54
6	GUIDE	896014280	9.45	1064	0.068	0.230	0.115	0.179	266.063099	-27.763440	-942.32	-2003.85
7	GUIDE	895882464	8.81	1066	-0.203	-0.052	0.061	0.101	265.568948	-26.820420	2131.33	131.62

2.4 Star Slots

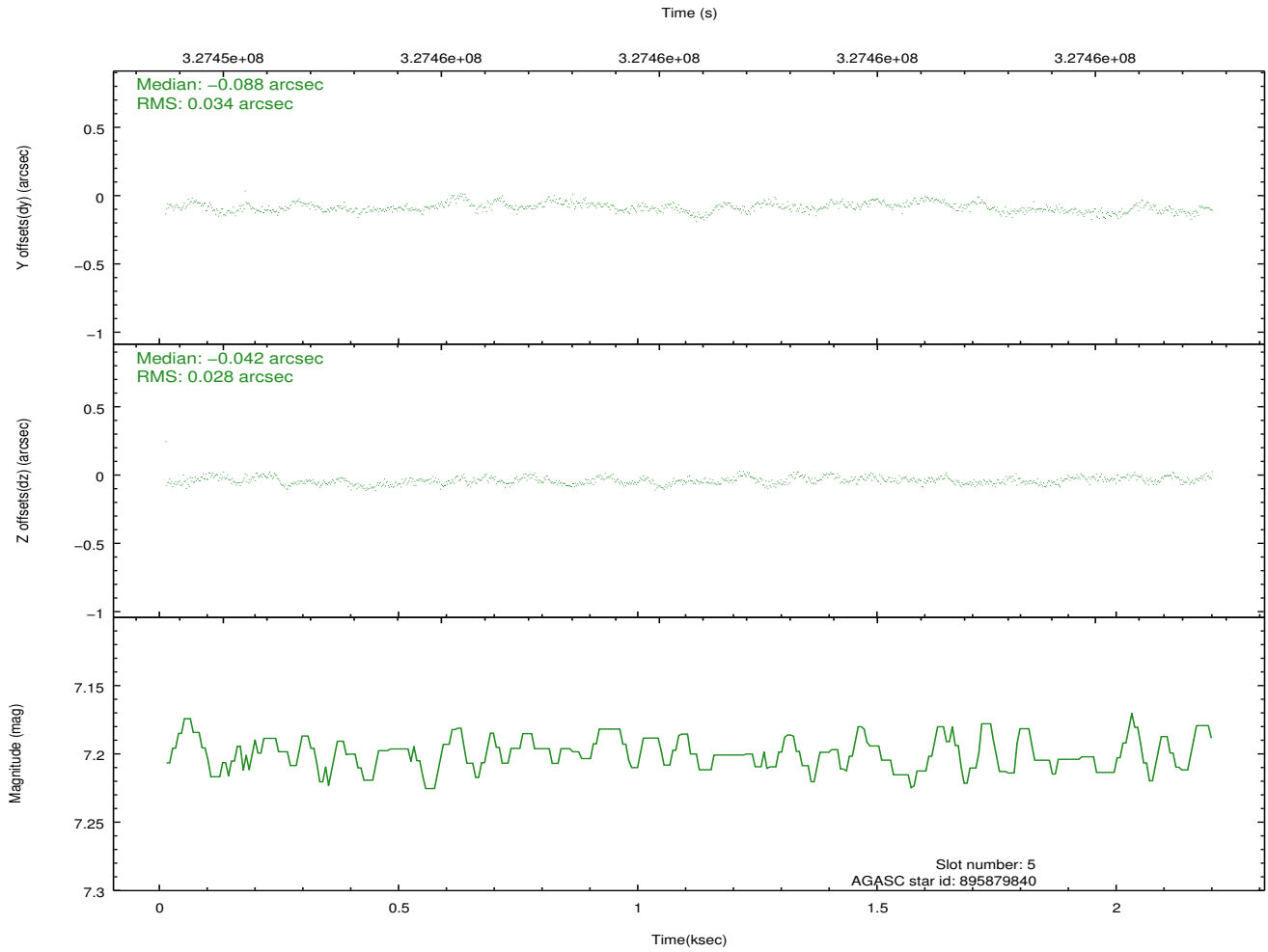
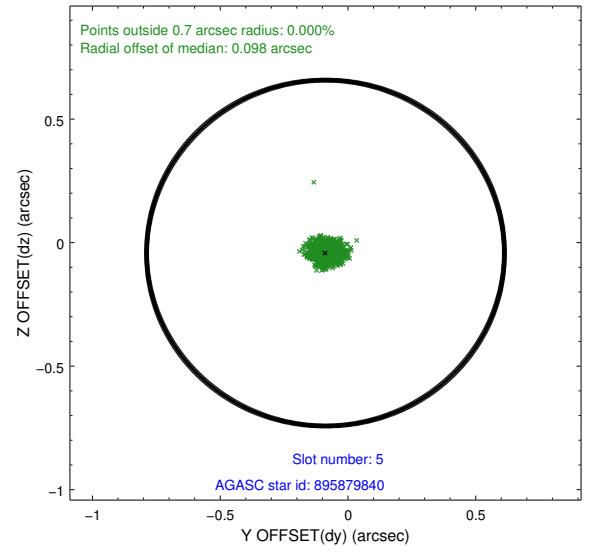
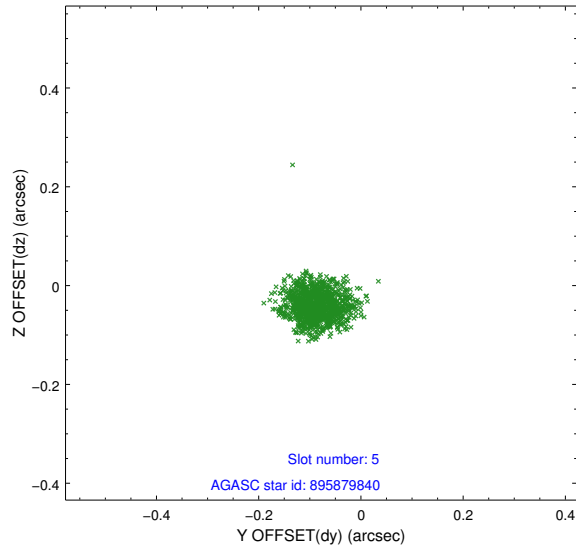
2.4.1 Slot 3



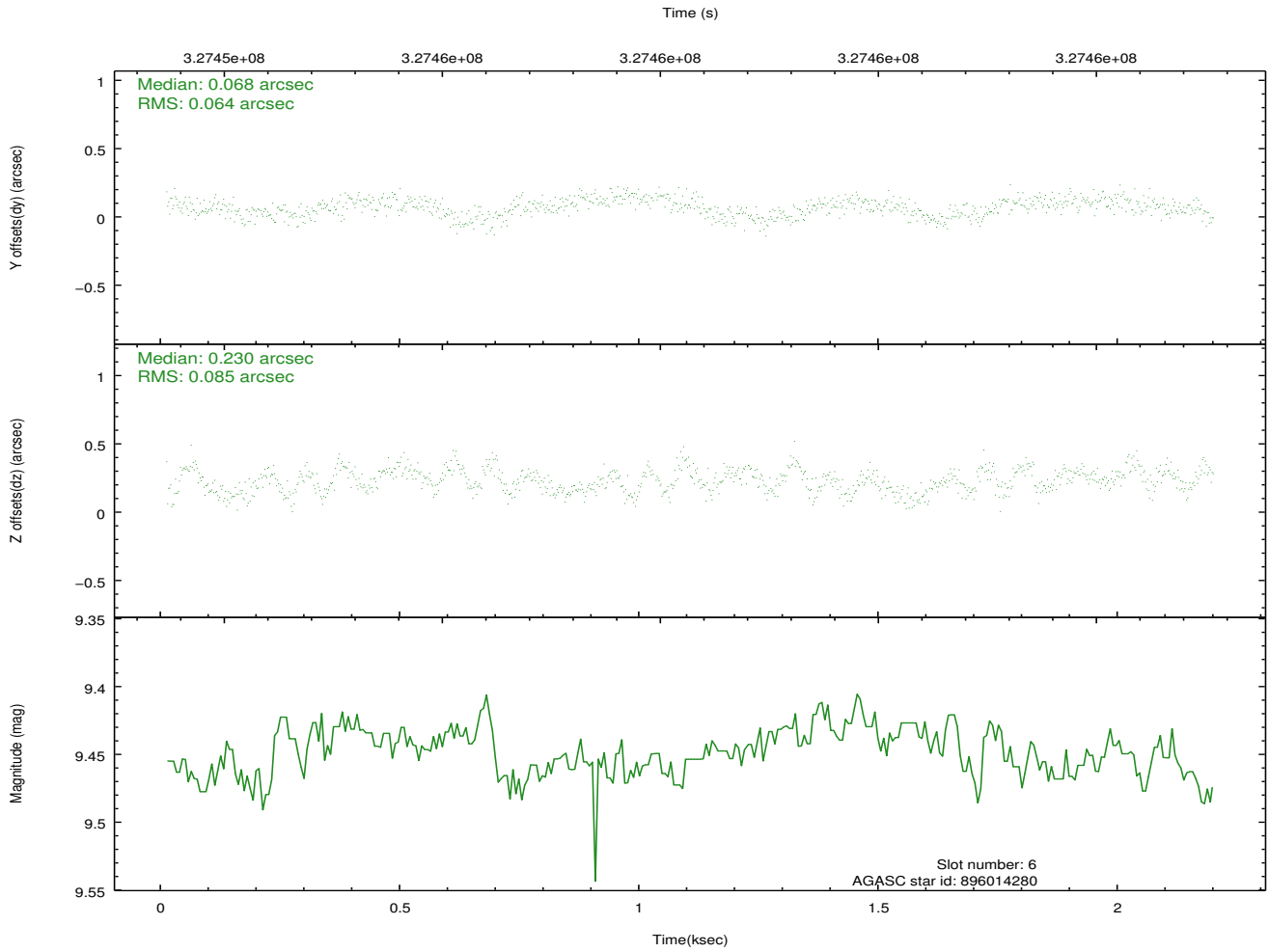
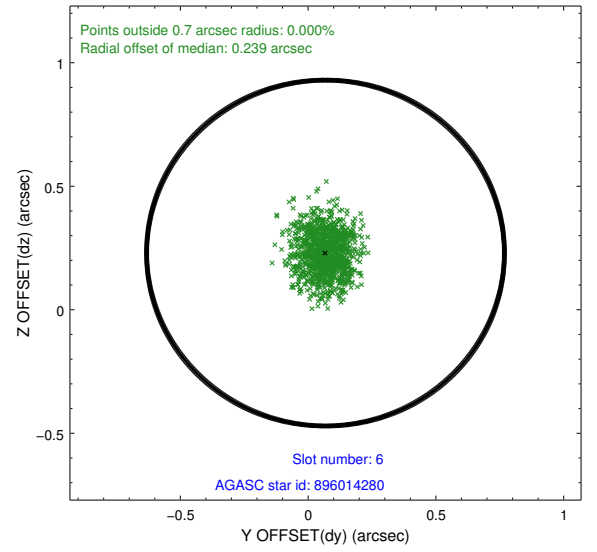
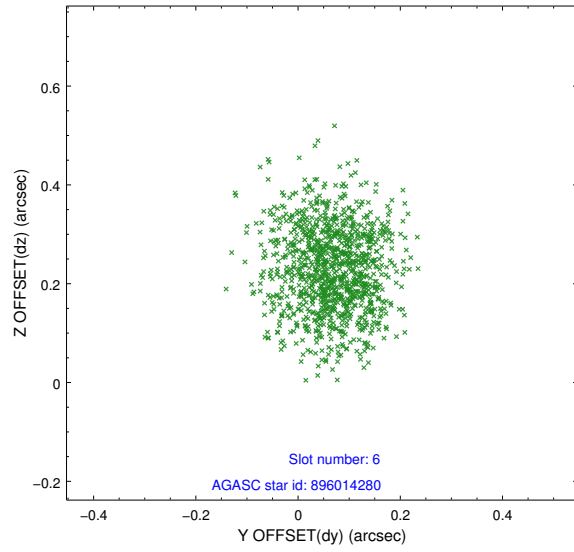
2.4.2 Slot 4



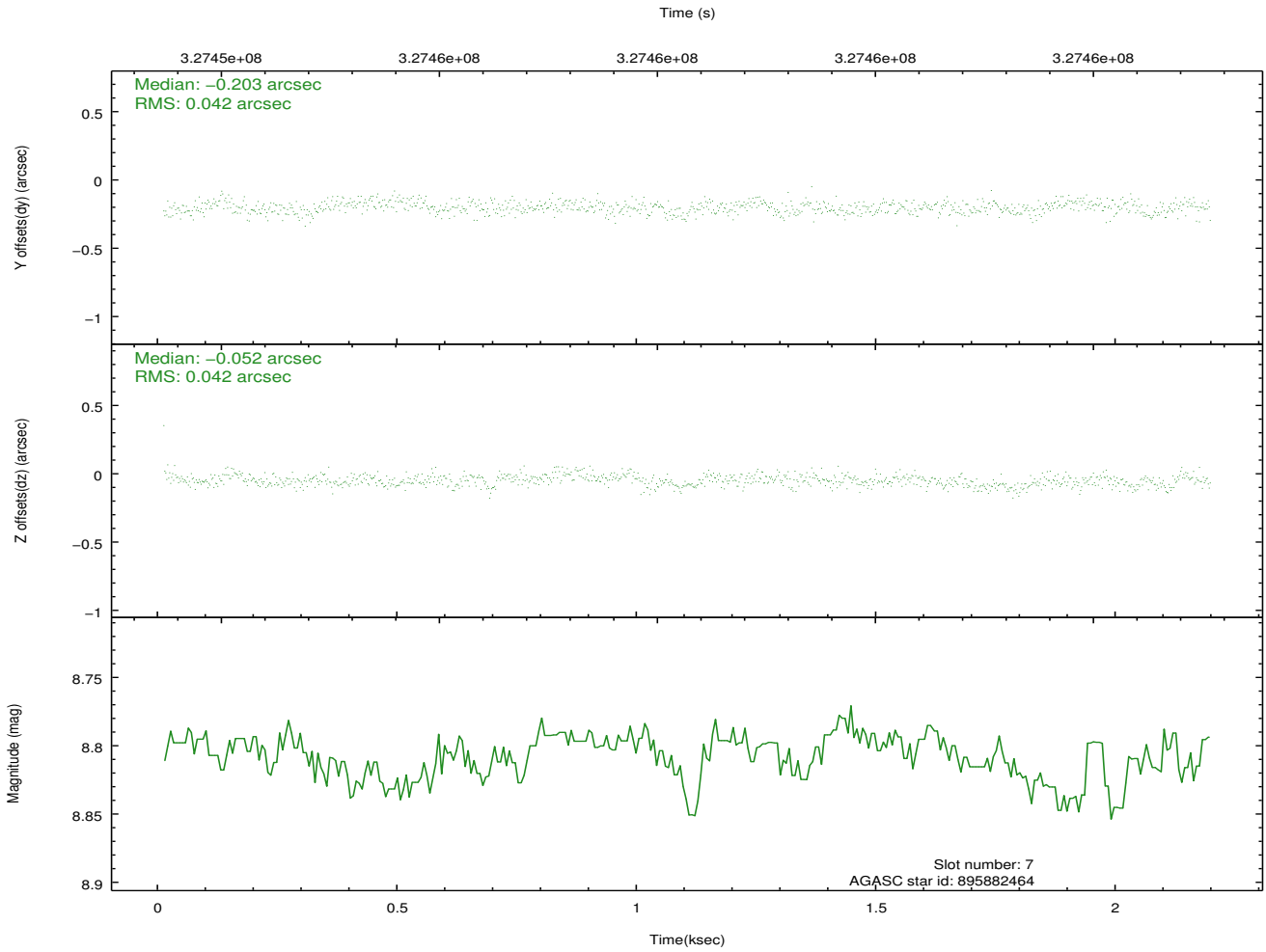
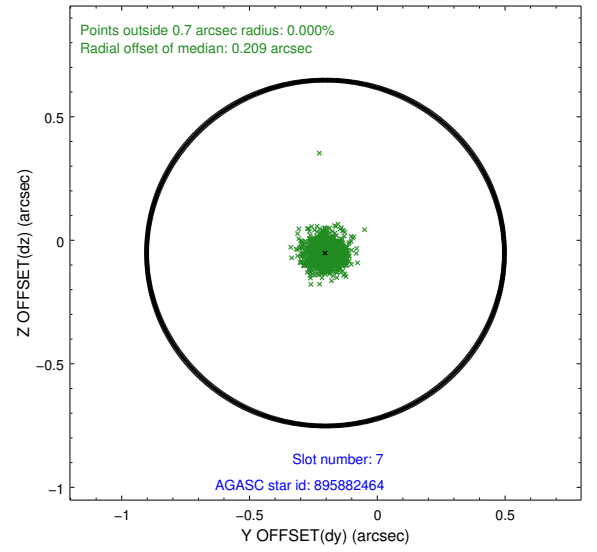
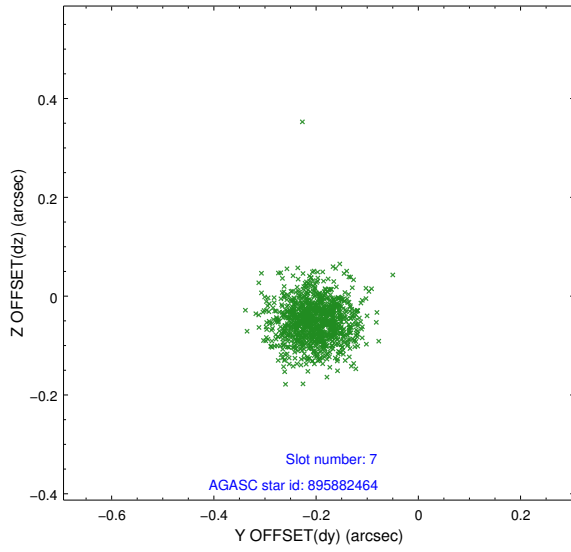
2.4.3 Slot 5



2.4.4 Slot 6

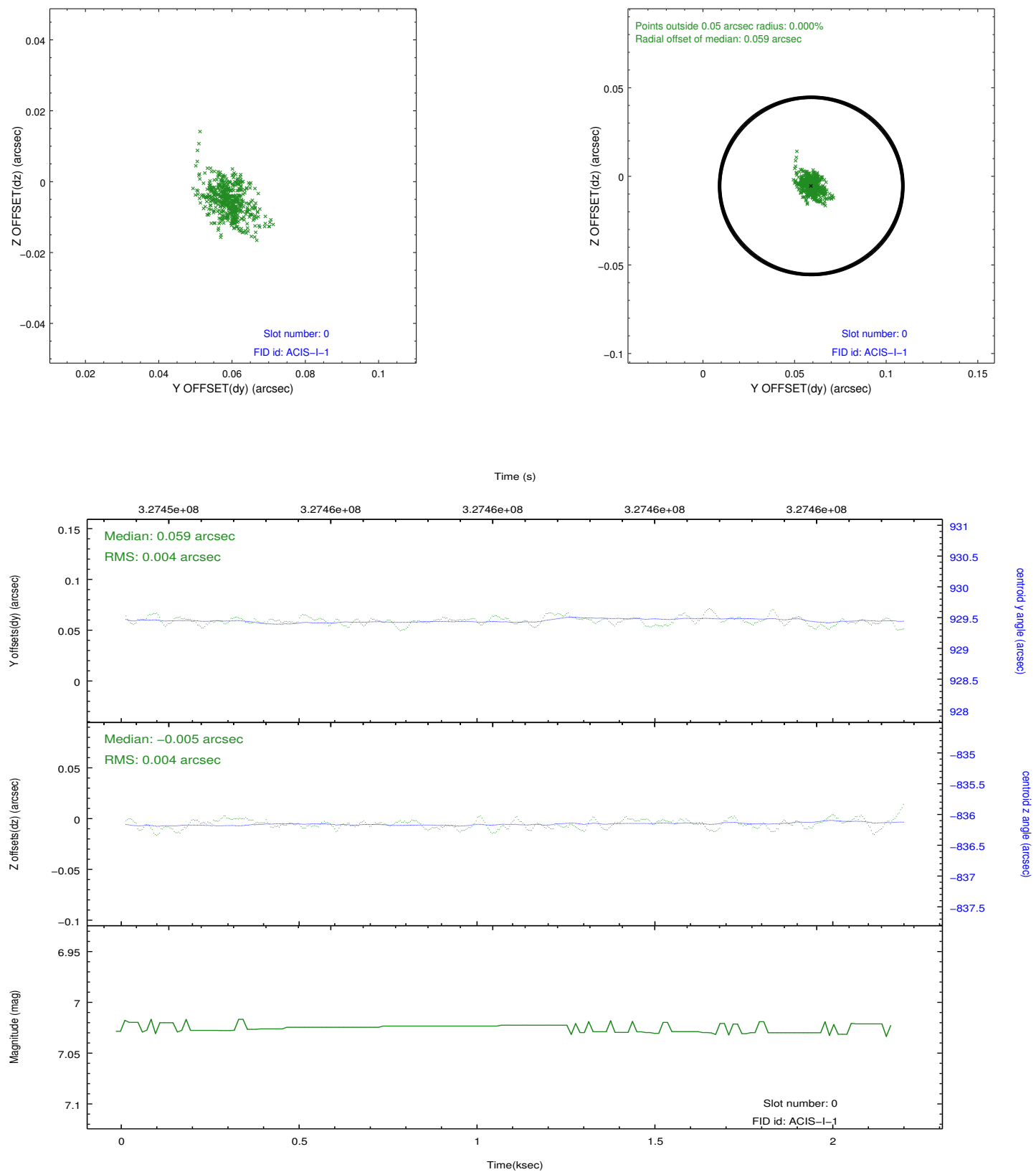


2.4.5 Slot 7

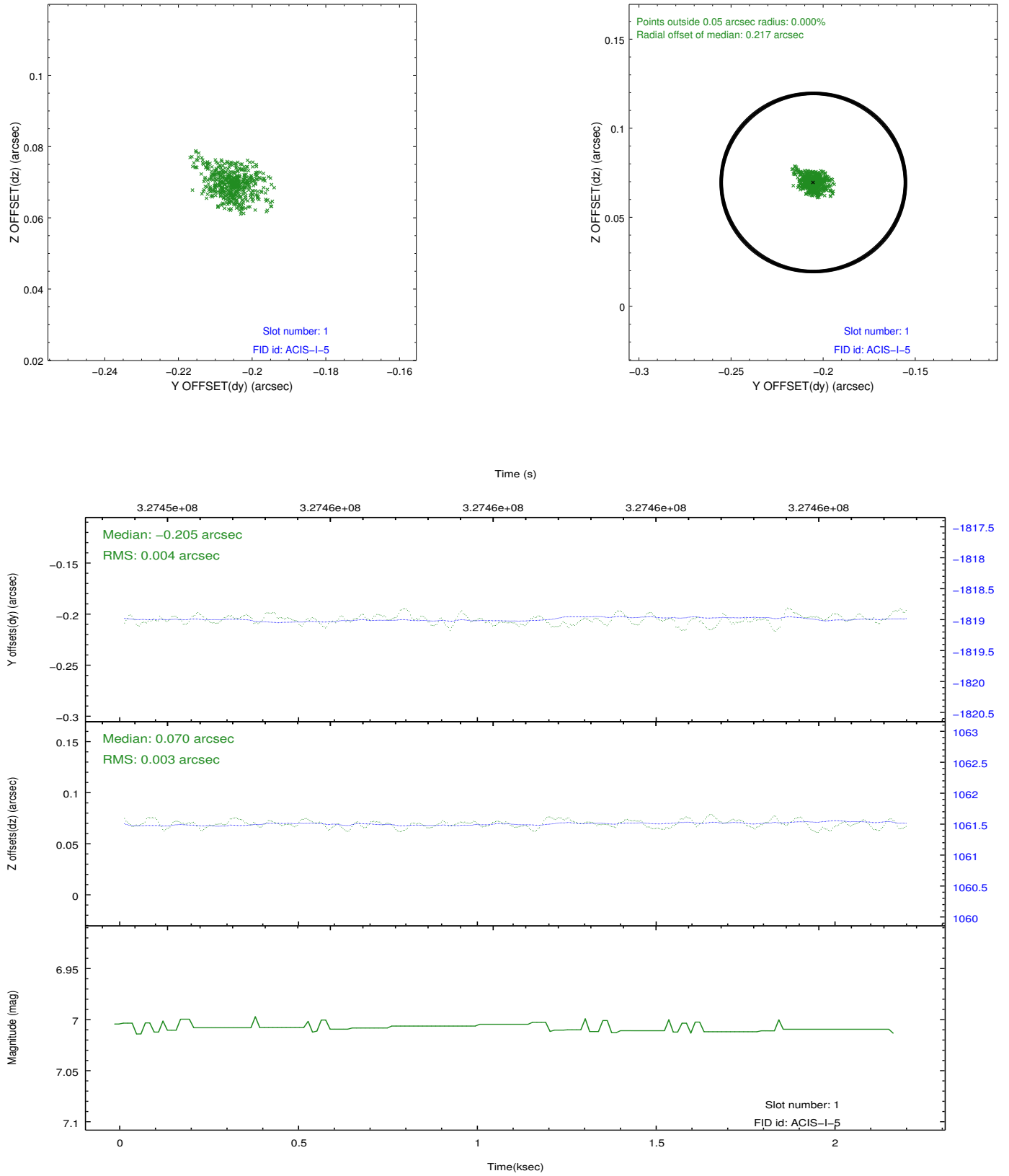


2.5 FID Slots

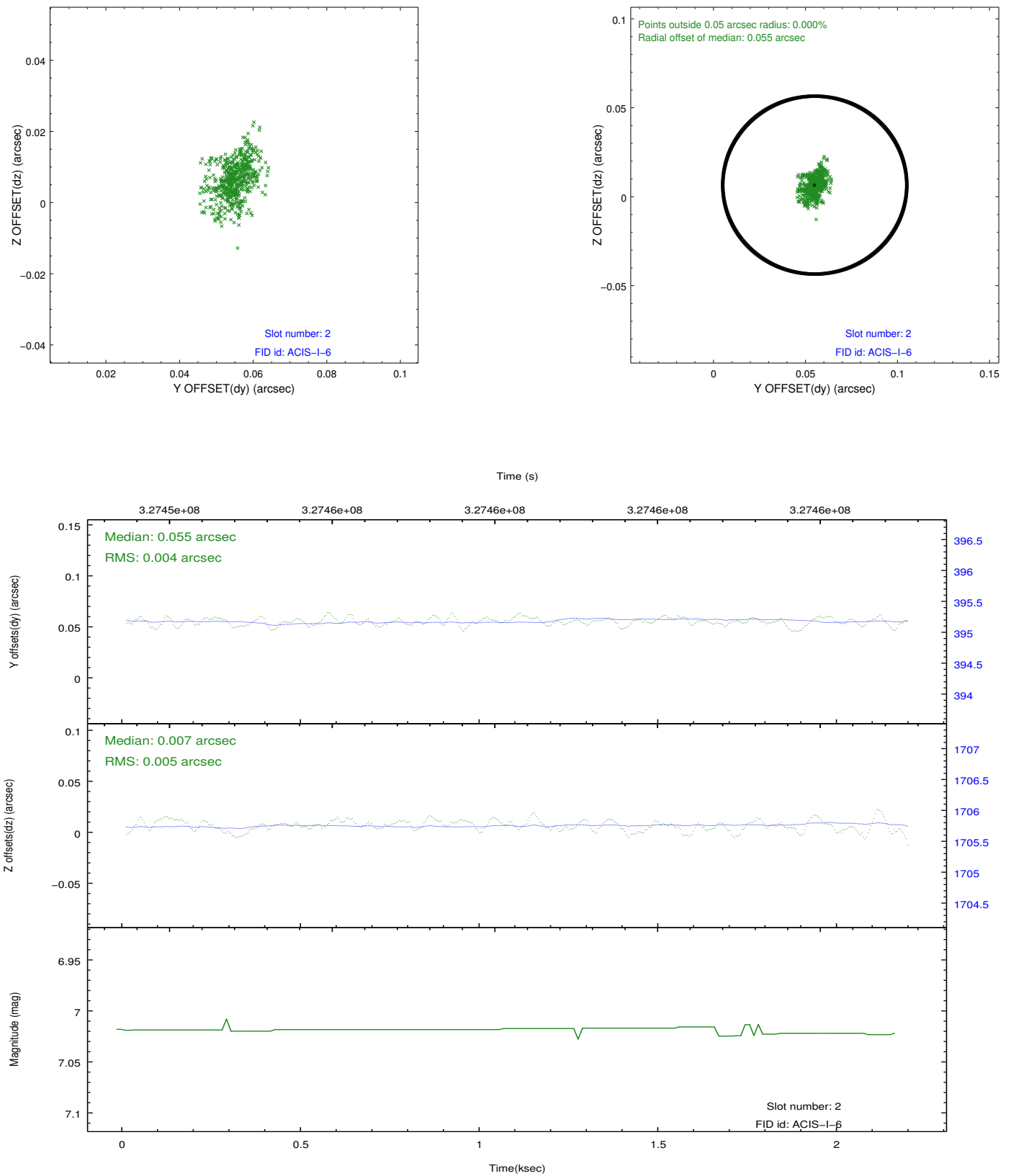
2.5.1 Slot 0



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