

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8681 - L2 Version 2
Chandra X-Ray Center

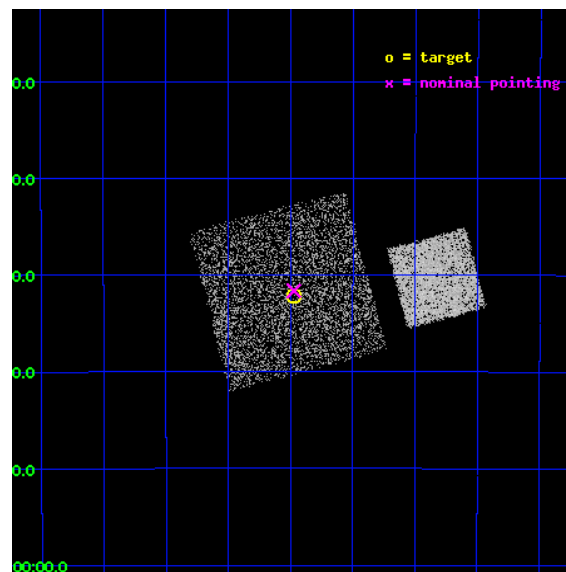
L2 Processing Date : May 15 2012

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1 Front

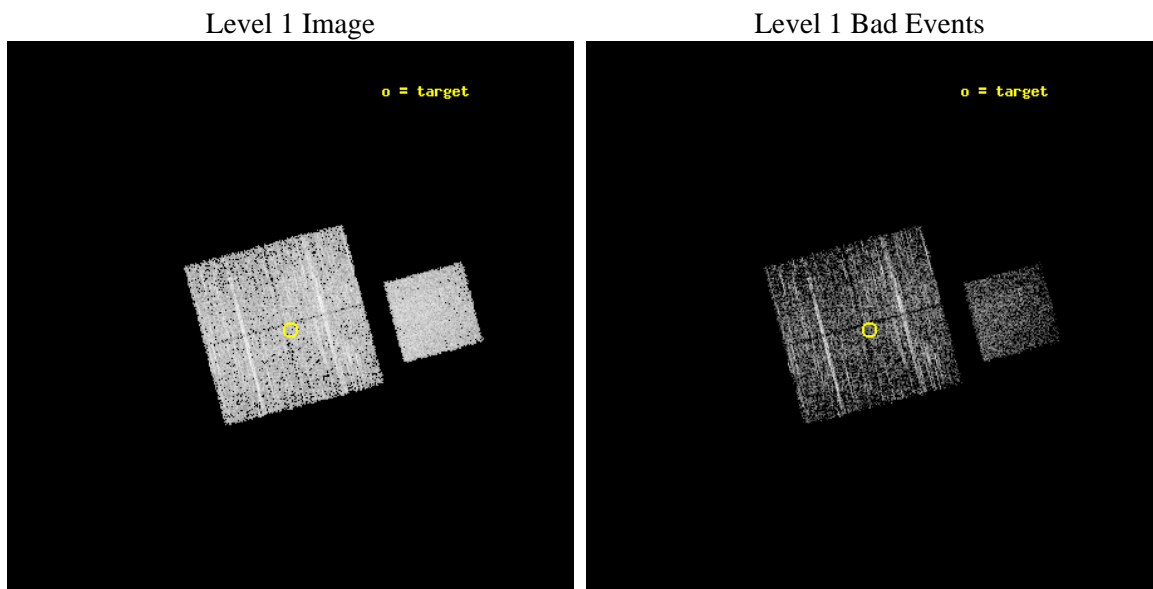
seq_num	400732	Sequence number
obs_id	8681	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	Prof Mariano Mendez	Principal investigator
object	GBSGTO4	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	264.493618	Observer's specified target RA [deg]
dec_targ	-29.535466	Observer's specified target Dec [deg]
ra_nom	264.49319627917	Nominal RA [deg]
dec_nom	-29.527480308438	Nominal Dec [deg]
roll_nom	75.208509974686	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	15781	Number of level 2 events



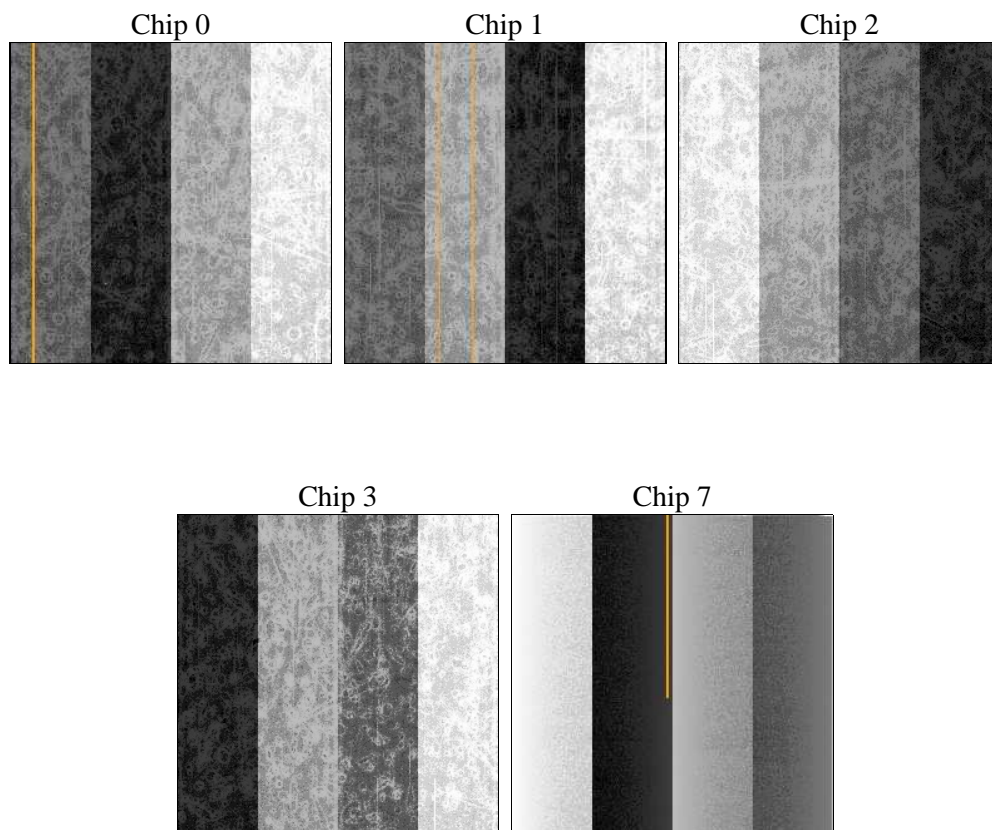
2 OBI

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	2012-05-15T05:03:19	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	101100	Number of level 1 events

2.1.4 Events

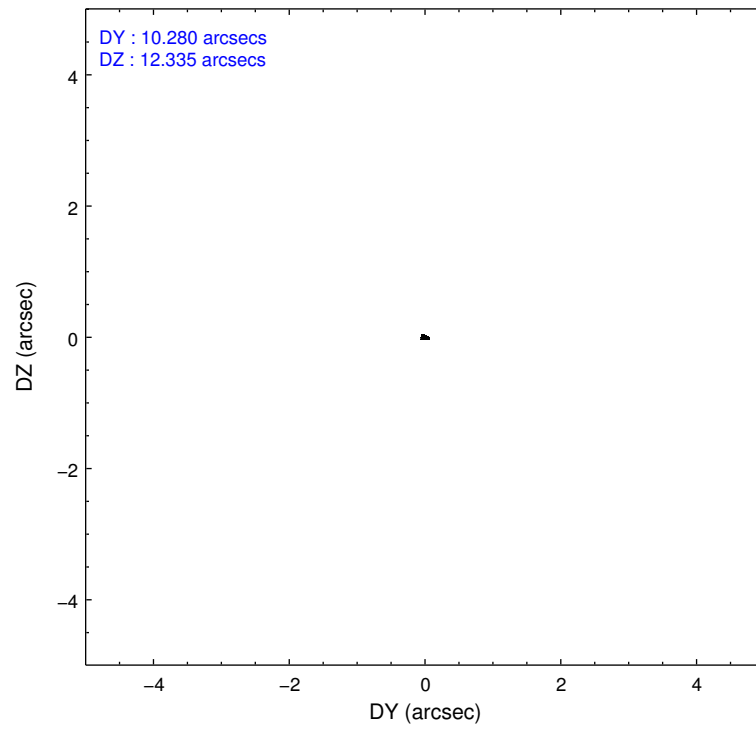
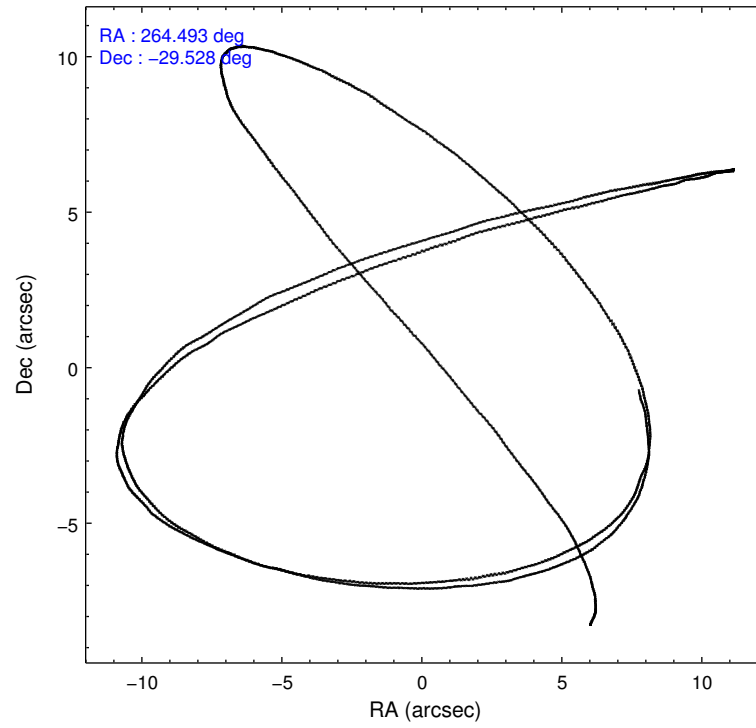
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	18152	19431	21185	19655	22677
rejected events	16219	17214	19173	17733	13493
rejected %	89%	88%	90%	90%	59%

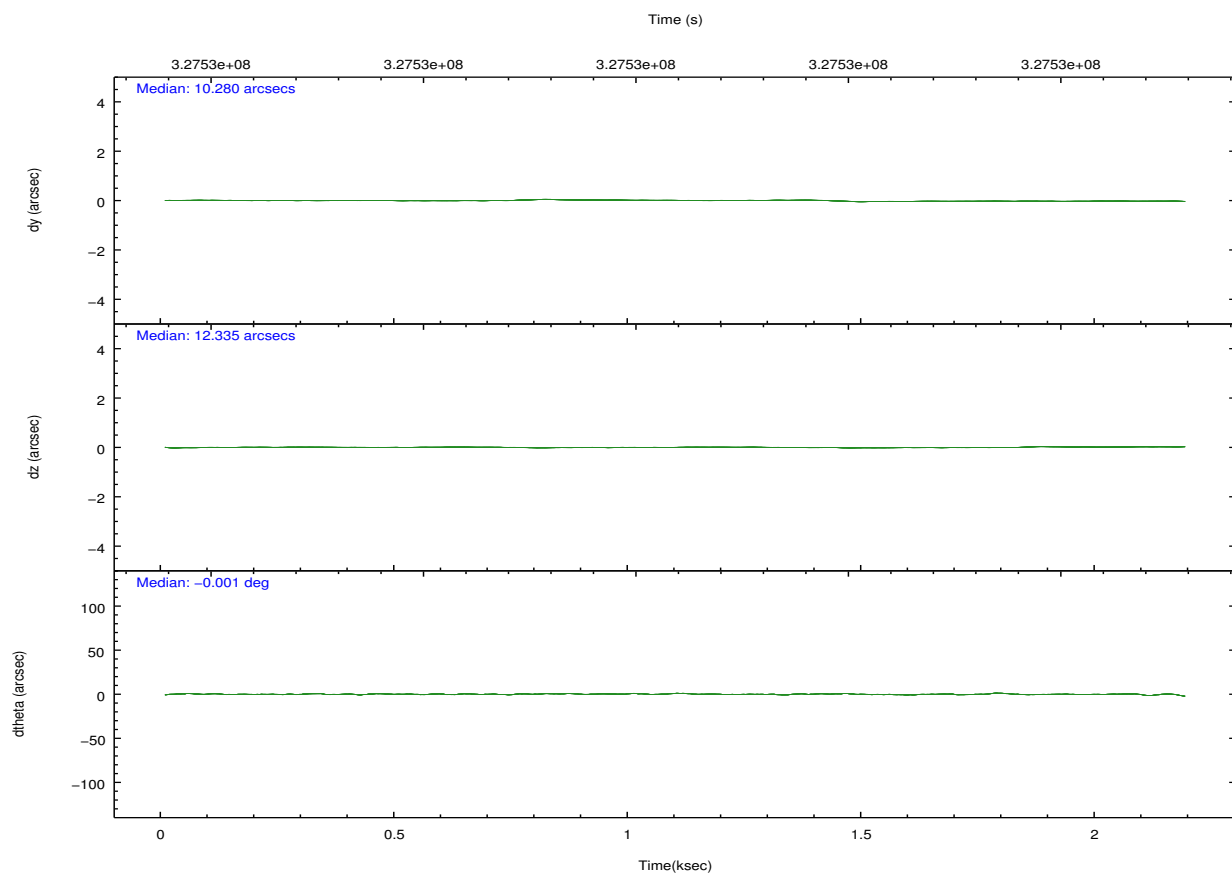
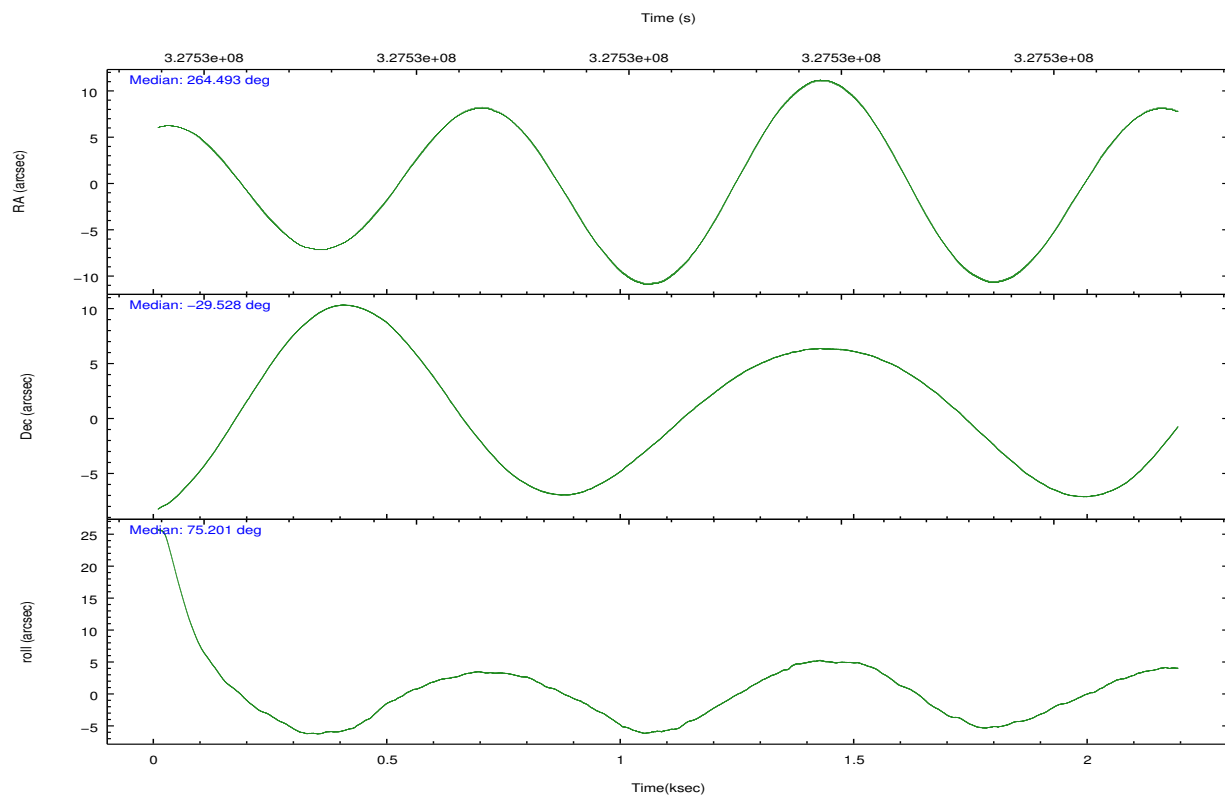
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	914	1057	1046	968	1028
	5%	5%	4%	4%	4%
grade 1 events	11	11	16	14	29
	0%	0%	0%	0%	0%
grade 2 events	485	534	459	434	2246
	2%	2%	2%	2%	9%
grade 3 events	255	226	218	214	948
	1%	1%	1%	1%	4%
grade 4 events	222	245	240	214	942
	1%	1%	1%	1%	4%
grade 5 events	681	775	644	791	2410
	3%	3%	3%	4%	10%
grade 6 events	359	475	373	362	5354
	1%	2%	1%	1%	23%
grade 7 events	15225	16108	18189	16658	9720
	83%	82%	85%	84%	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	264.501630	264.4931962791715	CCD I2 on	Y	Y
[deg] Pointing Dec	-29.553900	-29.52748030843799	CCD I3 on	Y	Y
[deg] Pointing Roll	75.003955	75.20850997468563	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)	327527683.184000	327527308.16083	CCD S5 on	N	N
Observation start date	2008-05-18T19:53:38	2008-05-18T19:48:28	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327529683.184000	327529817.36095	On-chip summing requested	N	N
Observation end date	2008-05-18T20:26:58	2008-05-18T20:30:17	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



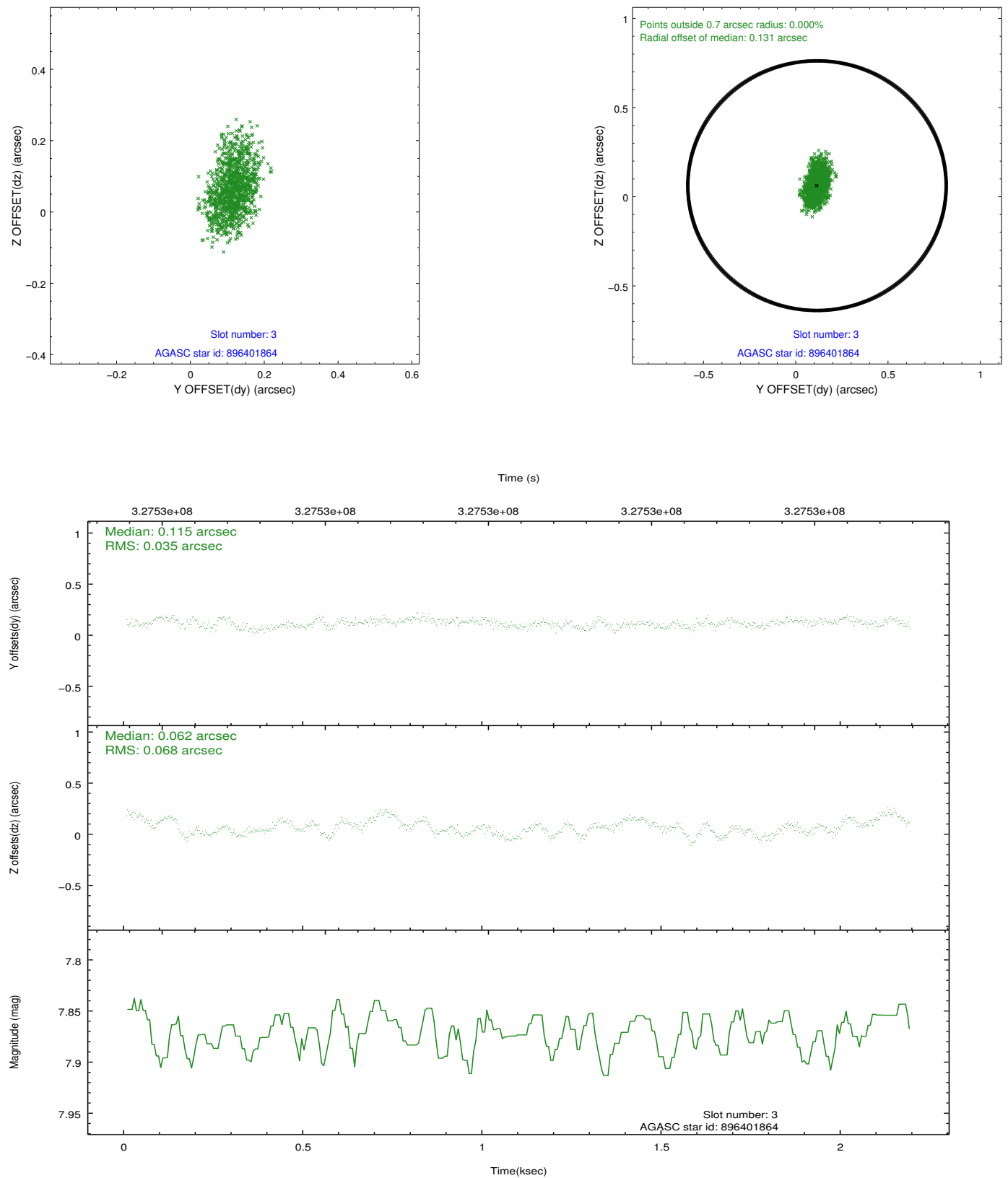


Slot Statistics

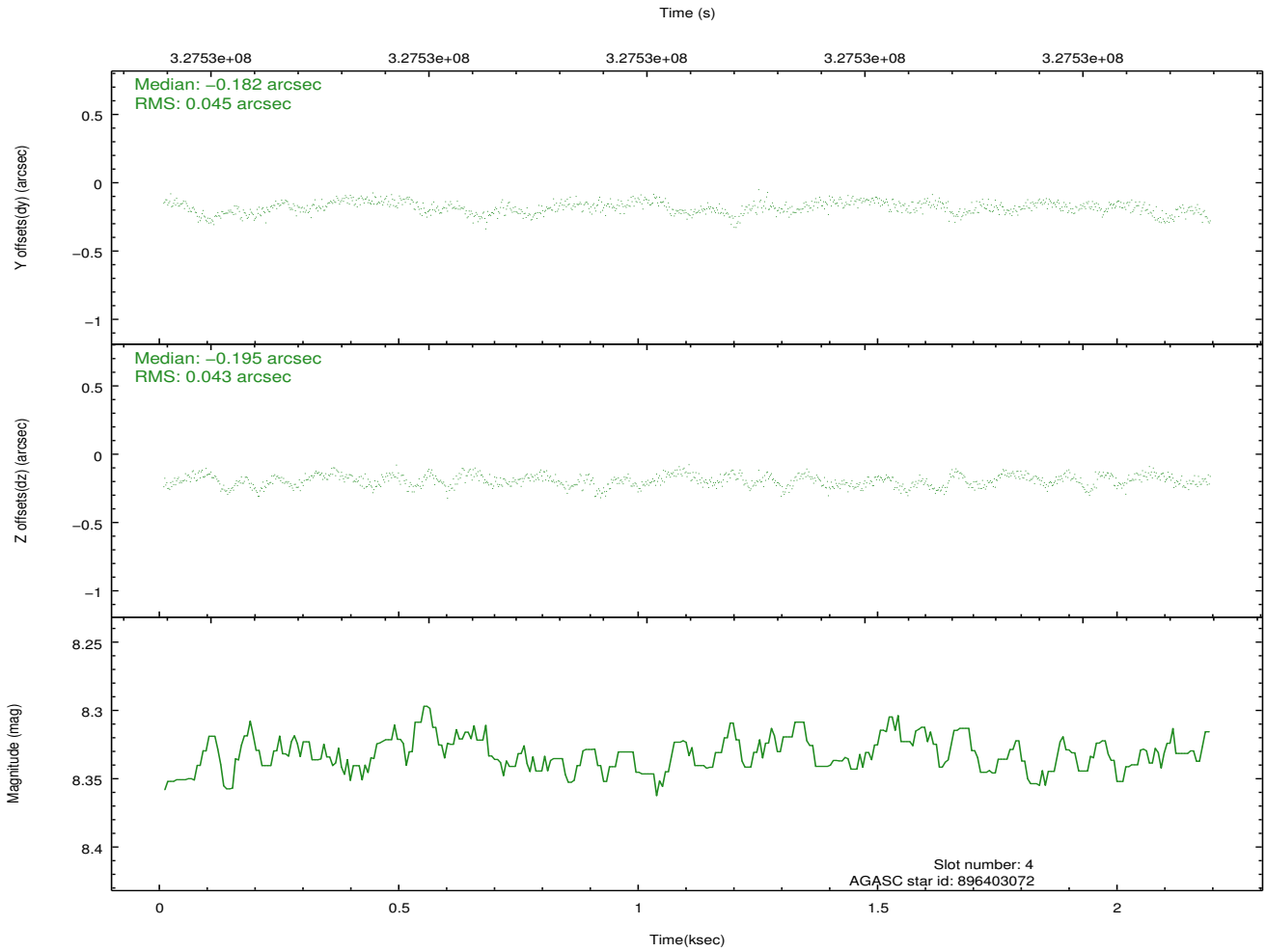
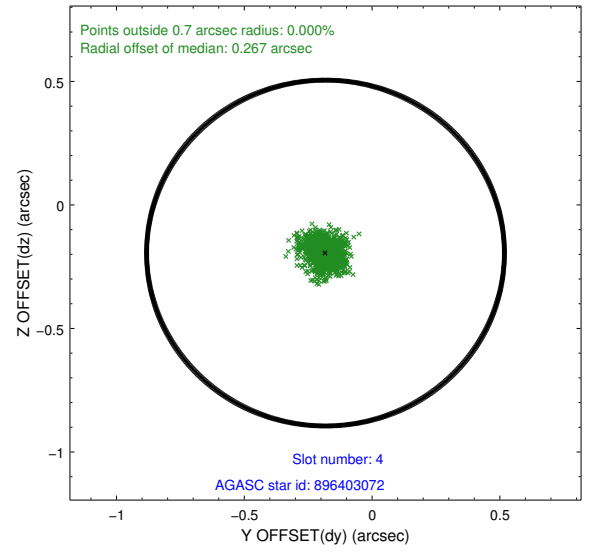
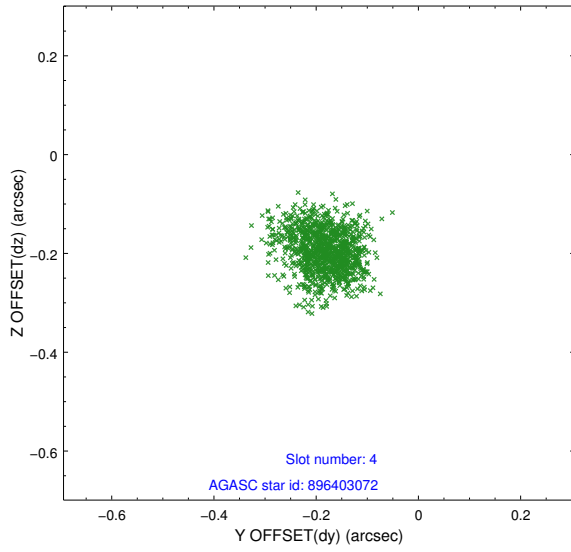
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.06	533	0.039	0.019	0.006	0.010	0.000000	0.000000	929.34	-835.86
1	FID	ACIS-I-5	7.04	532	-0.169	0.062	0.005	0.011	0.000000	0.000000	-1817.29	1060.21
2	FID	ACIS-I-6	7.05	533	0.040	-0.011	0.007	0.010	0.000000	0.000000	391.67	1708.00
3	GUIDE	896401864	7.87	1067	0.115	0.062	0.080	0.135	264.861768	-29.959752	-1121.52	-1463.40
4	GUIDE	896403072	8.33	1066	-0.182	-0.195	0.066	0.108	263.956439	-28.943077	1674.86	2225.93
5	GUIDE	896404376	6.66	1067	-0.096	0.048	0.059	0.089	264.835179	-29.530972	350.77	-985.85
6	GUIDE	896405480	8.24	1066	-0.030	0.174	0.071	0.107	265.220460	-29.599691	417.39	-2218.39
7	GUIDE	966794640	9.34	1066	0.194	-0.088	0.118	0.190	263.854004	-30.029028	-2179.07	1503.53

2.4 Star Slots

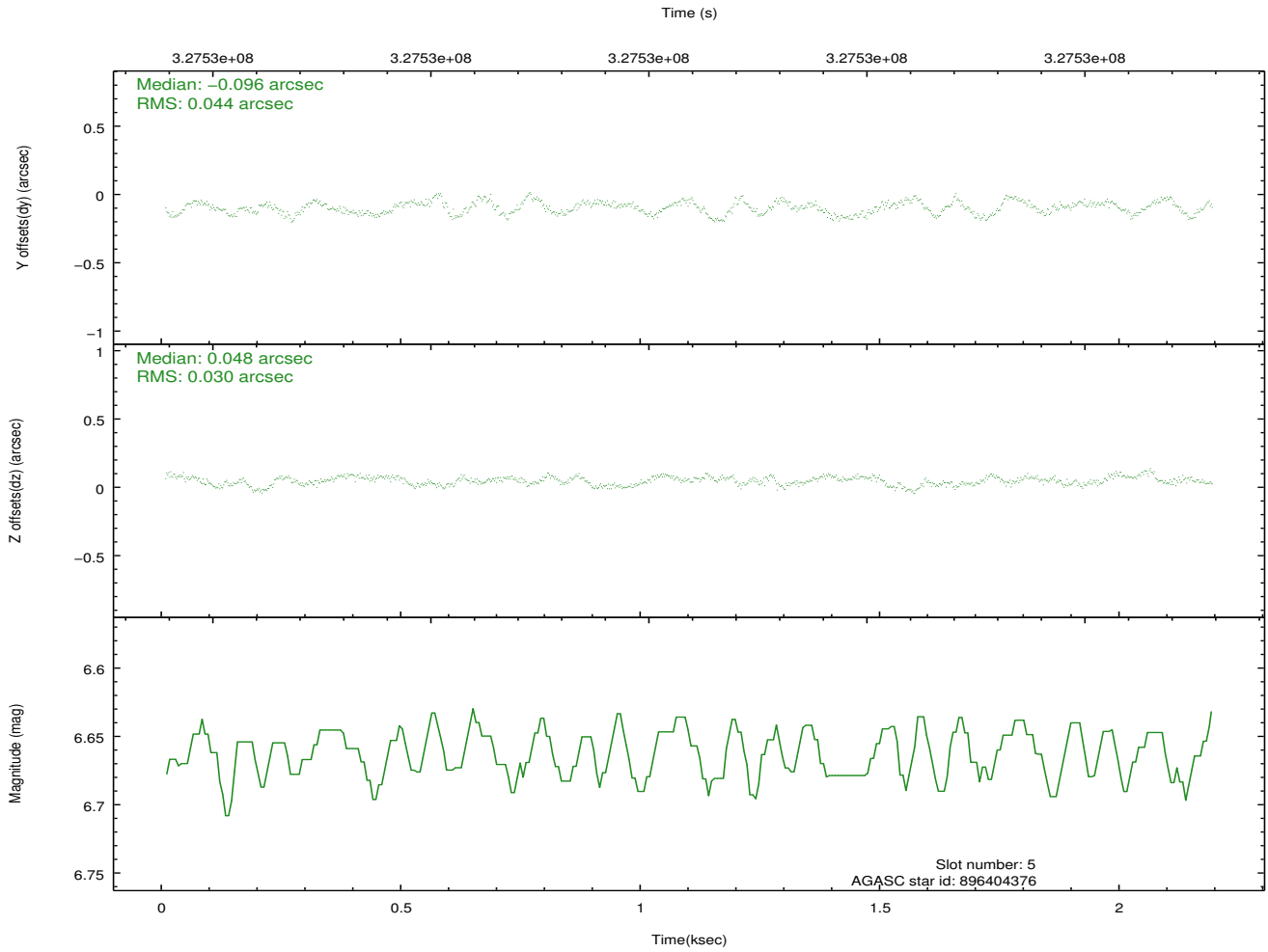
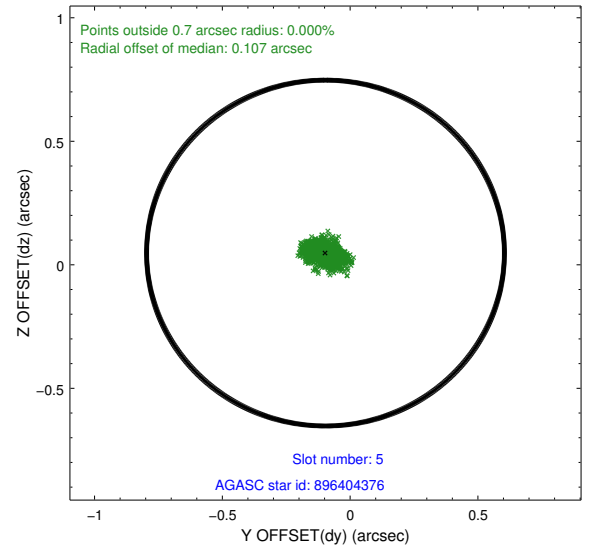
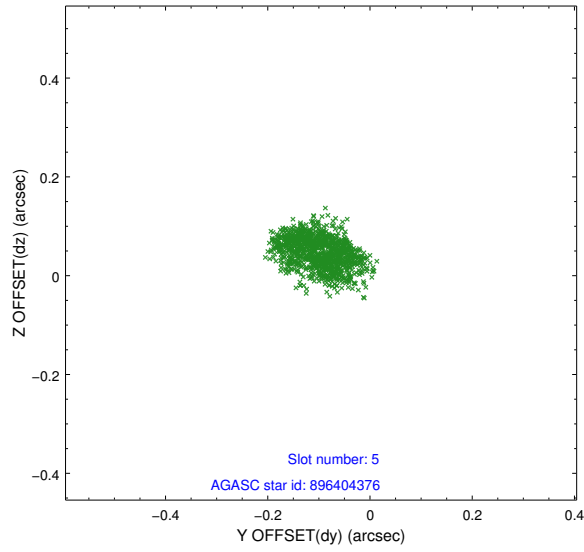
2.4.1 Slot 3



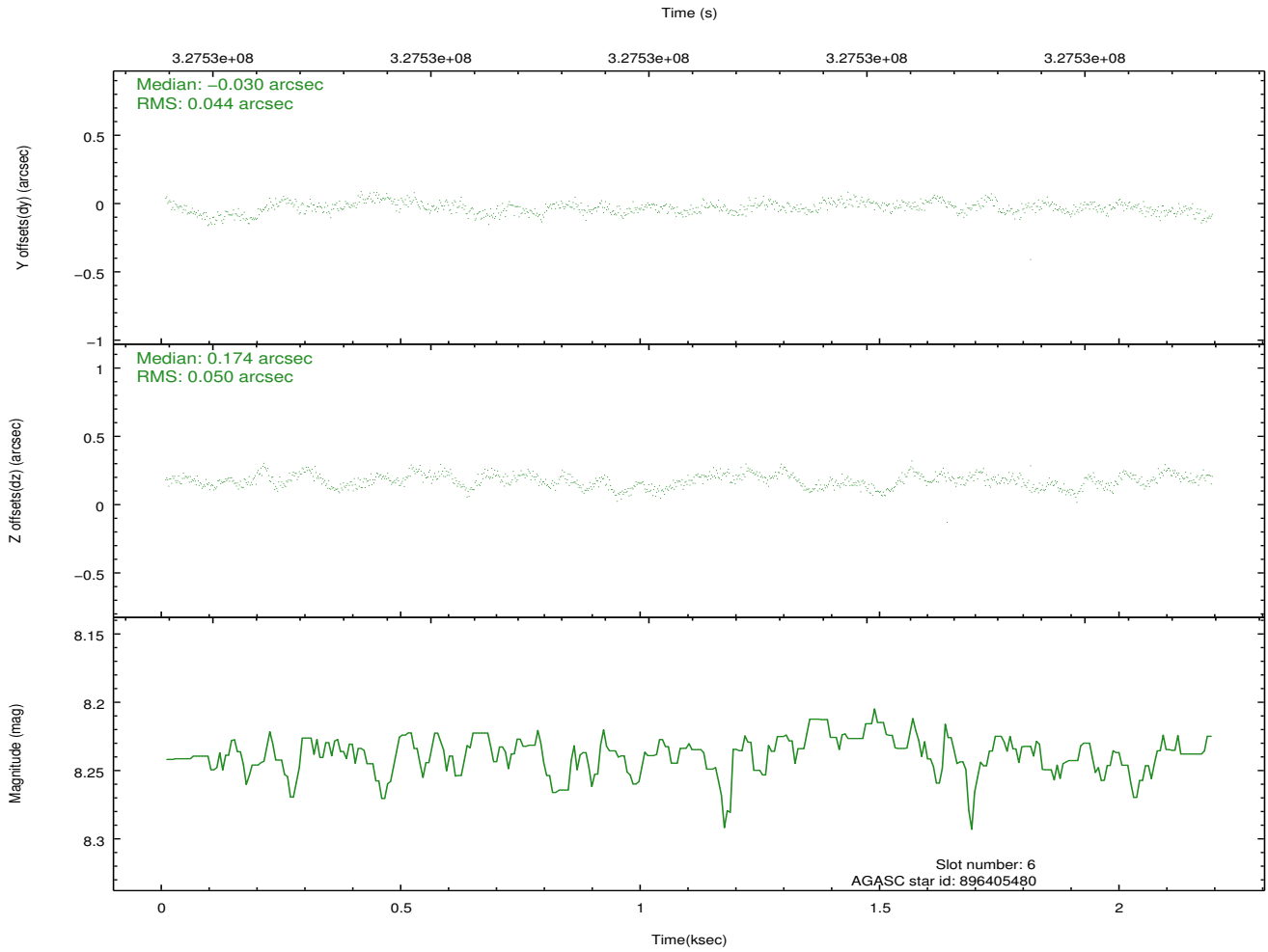
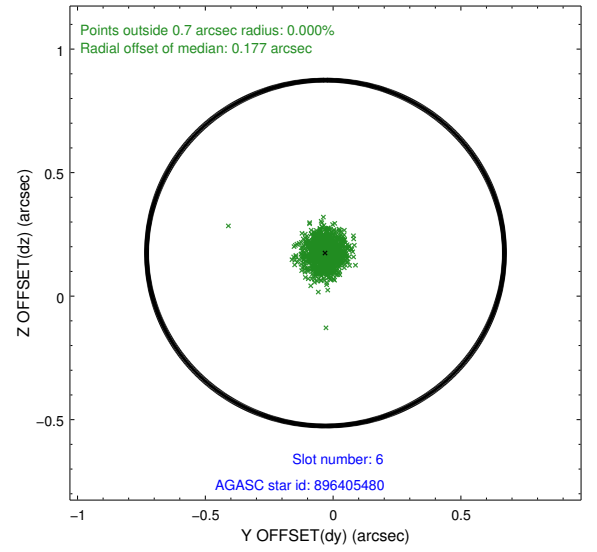
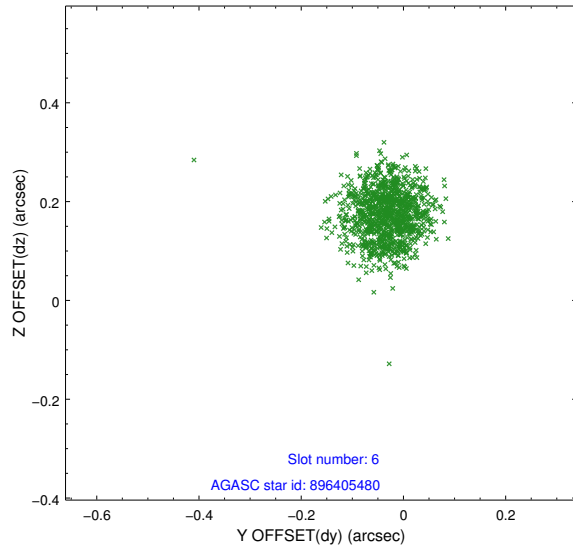
2.4.2 Slot 4



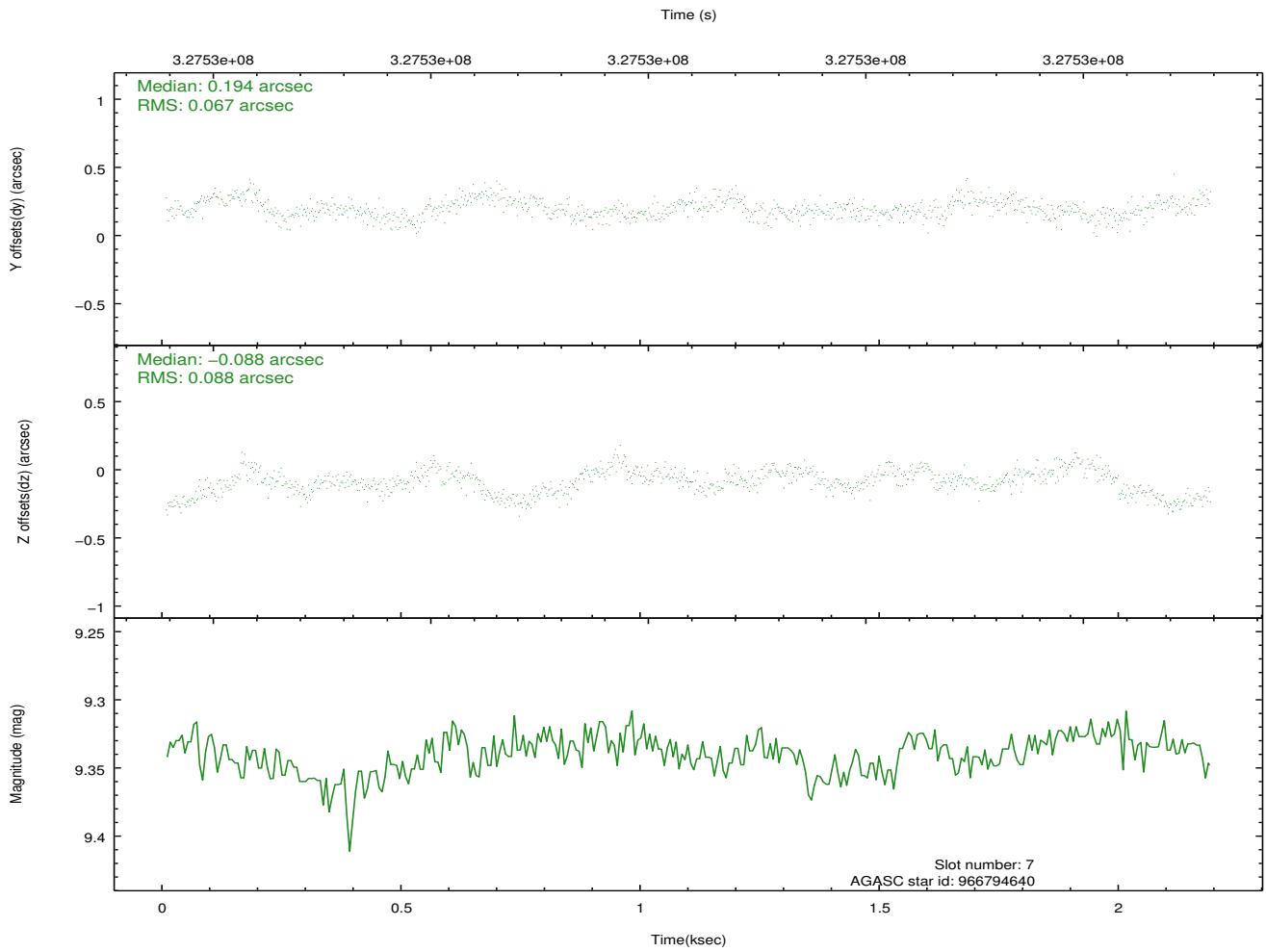
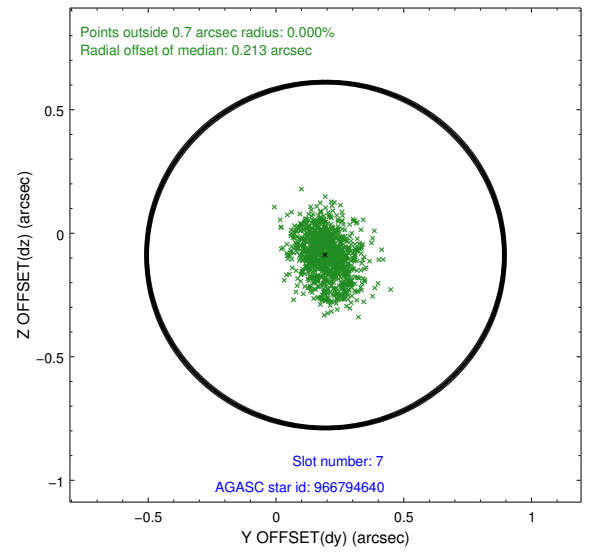
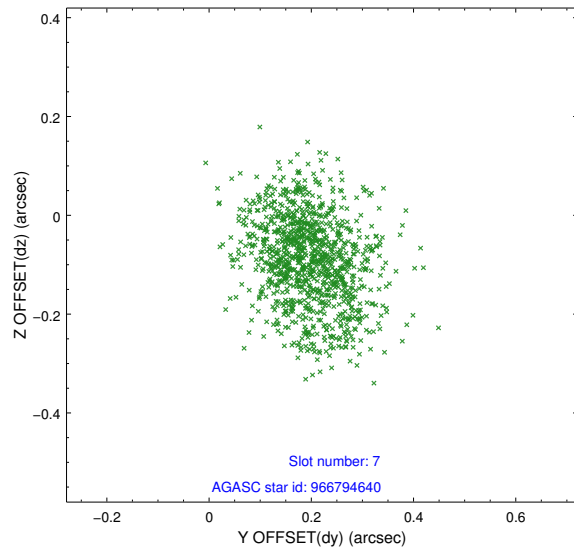
2.4.3 Slot 5



2.4.4 Slot 6

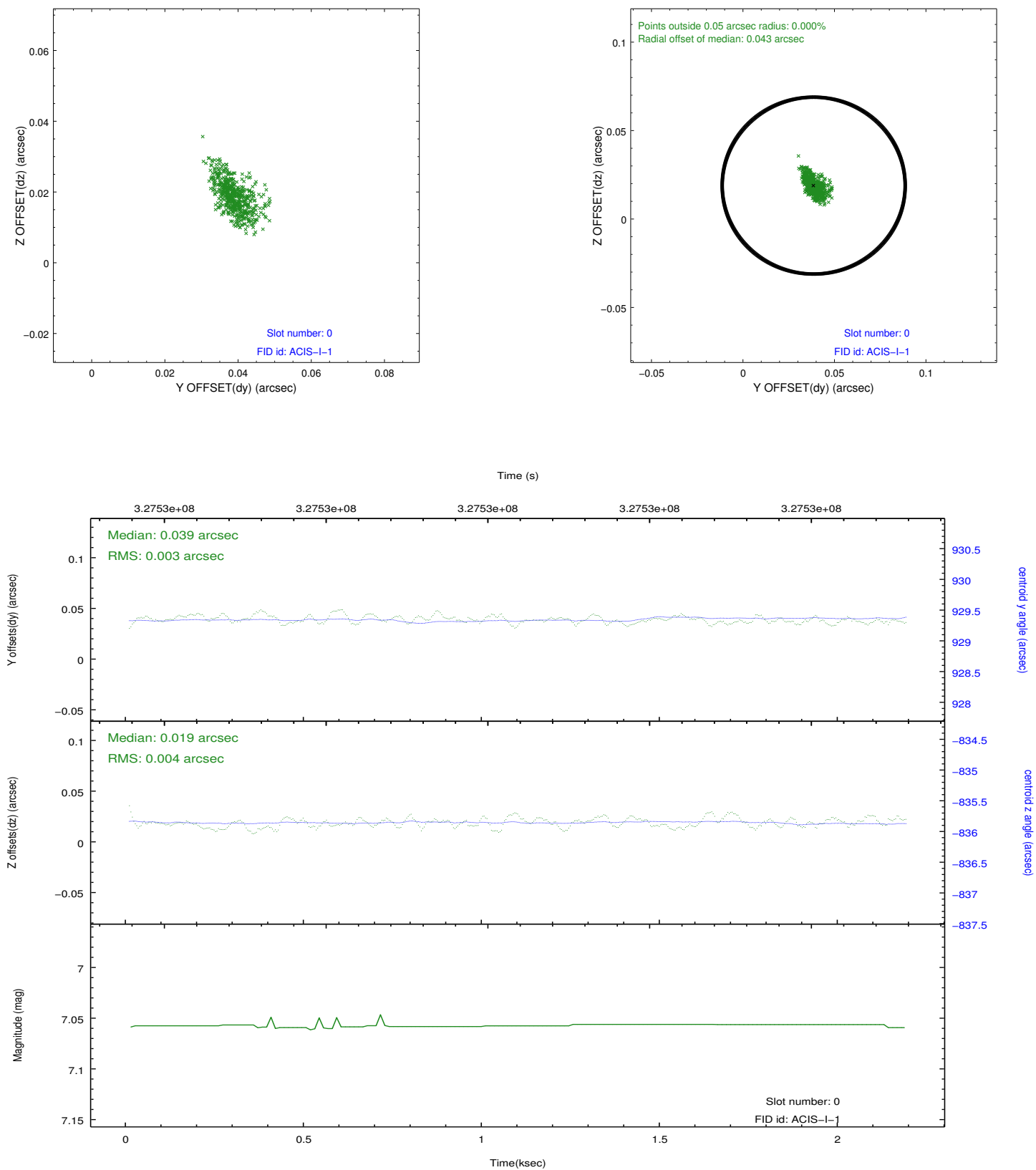


2.4.5 Slot 7

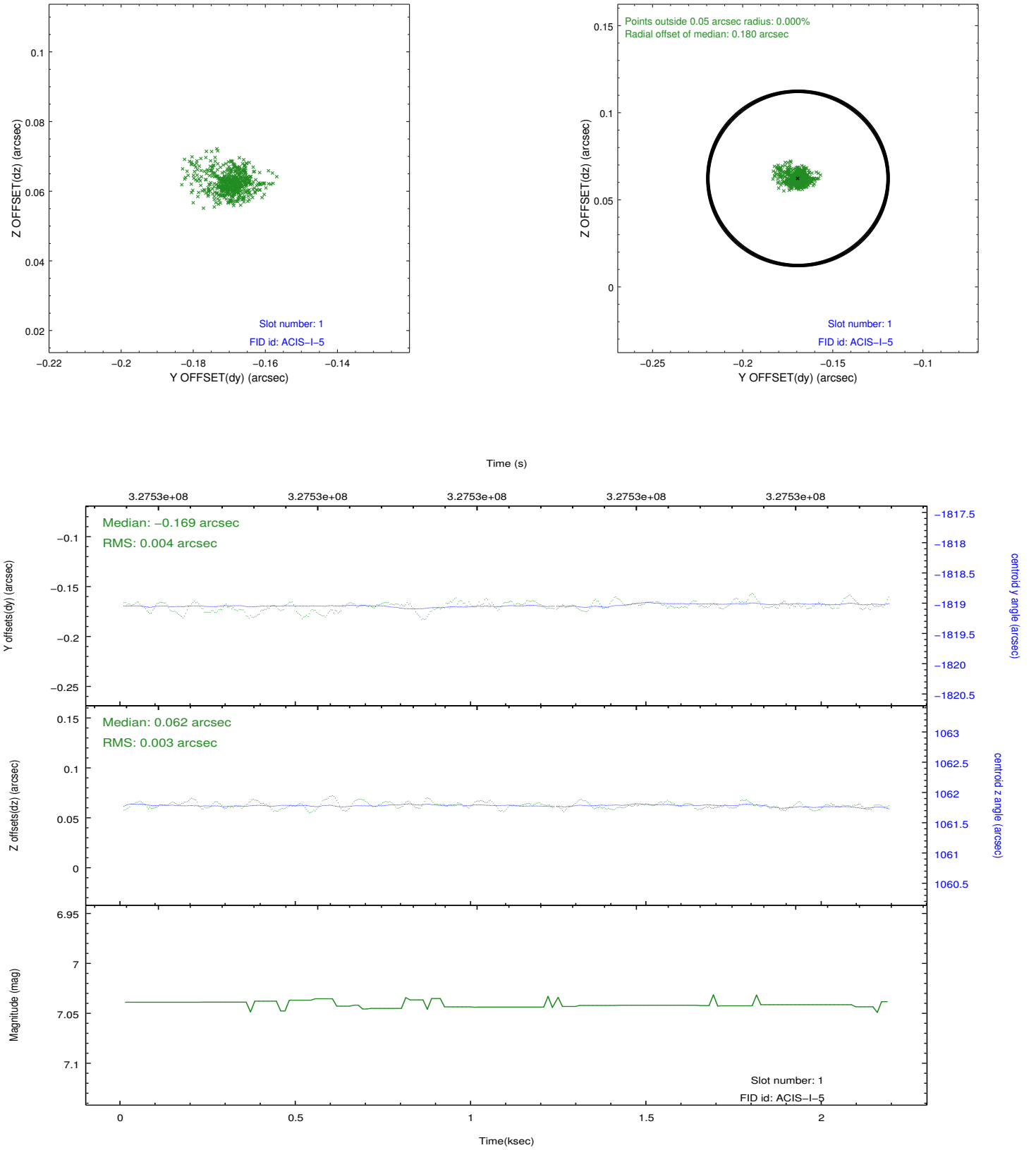


2.5 FID Slots

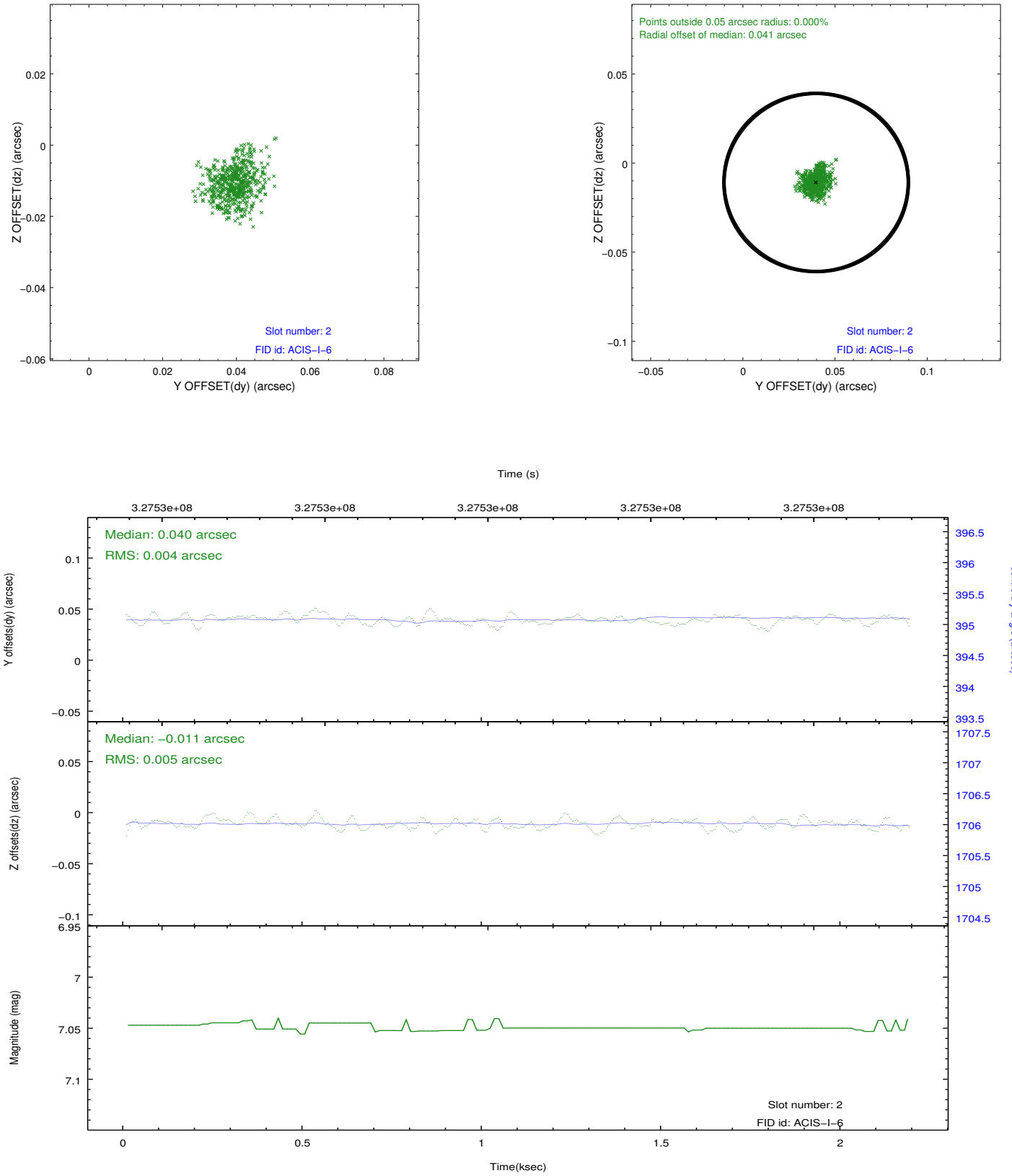
2.5.1 Slot 0



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)	2012.05.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.18550001

A.2 Comments