

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8697 - L2 Version 2
Chandra X-Ray Center

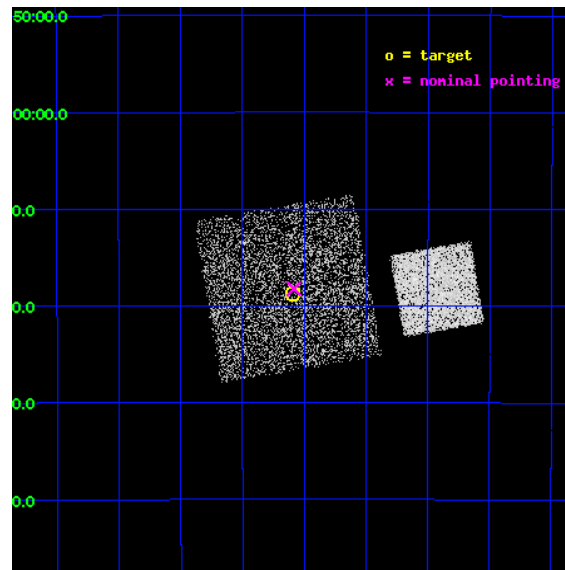
L2 Processing Date : May 15 2012

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1 Front

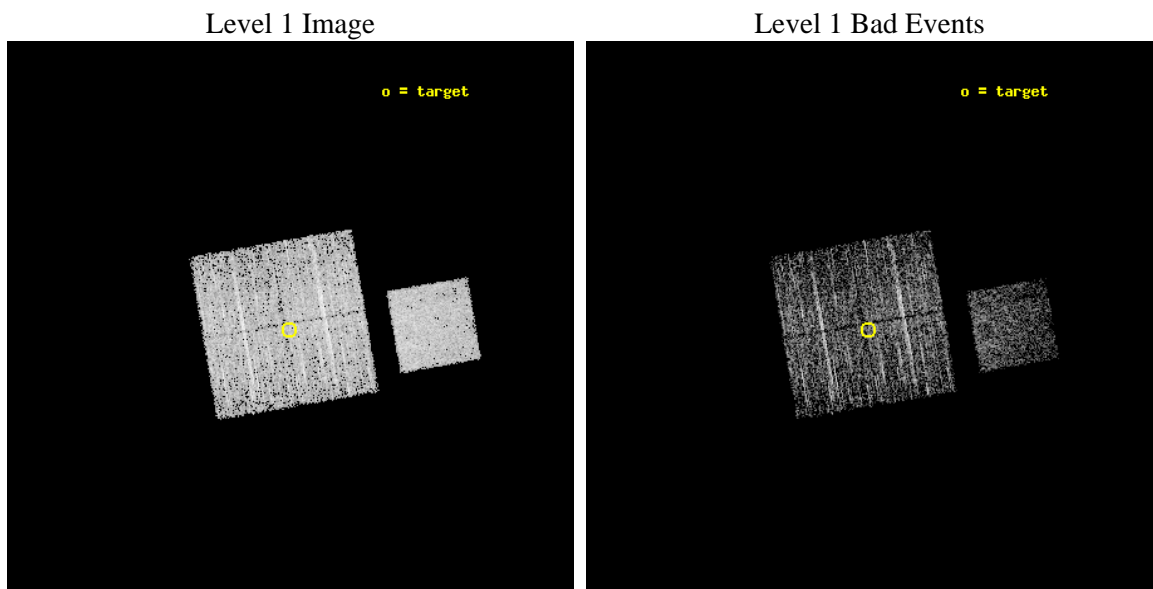
seq_num	400748	Sequence number
obs_id	8697	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	Prof Mariano Mendez	Principal investigator
object	GBSGTO5	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	263.64731	Observer's specified target RA [deg]
dec_targ	-30.31221	Observer's specified target Dec [deg]
ra_nom	263.64596547799	Nominal RA [deg]
dec_nom	-30.304130280517	Nominal Dec [deg]
roll_nom	80.208031960582	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	16059	Number of level 2 events



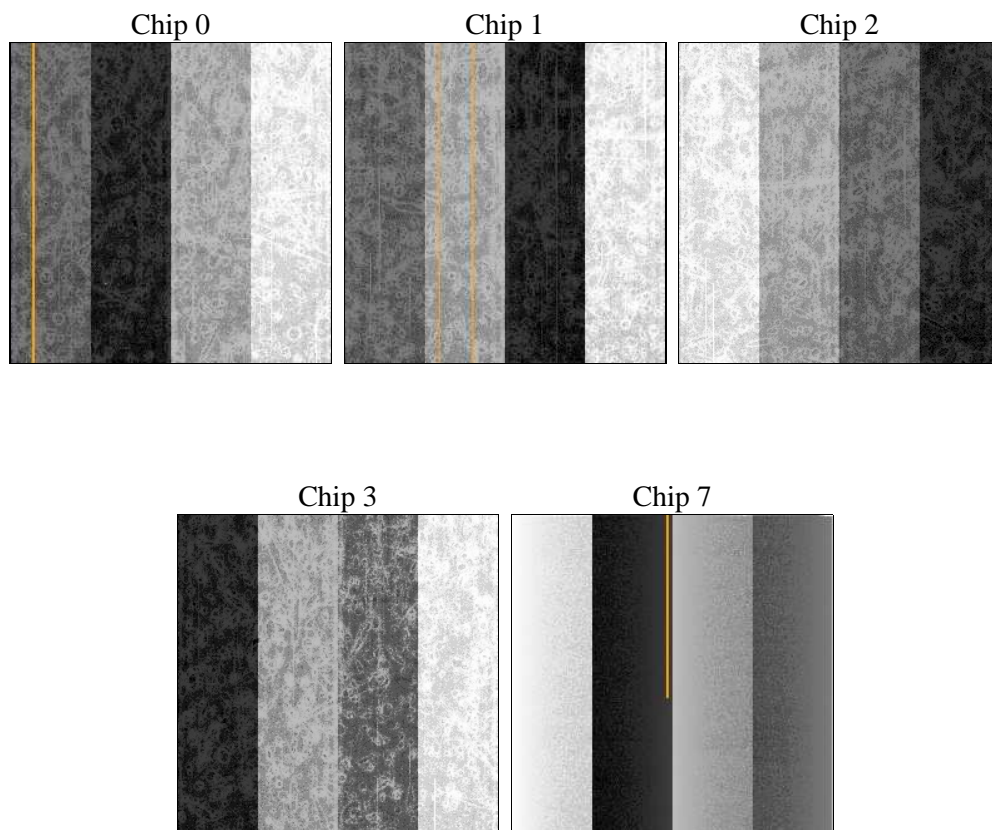
2 OBI

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	2012-05-15T03:38:29	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	103276	Number of level 1 events

2.1.4 Events

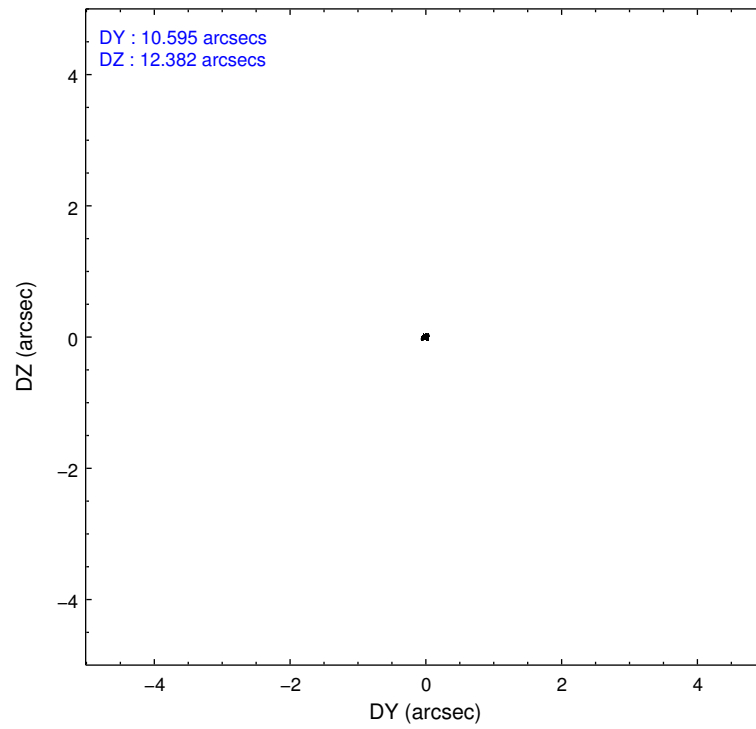
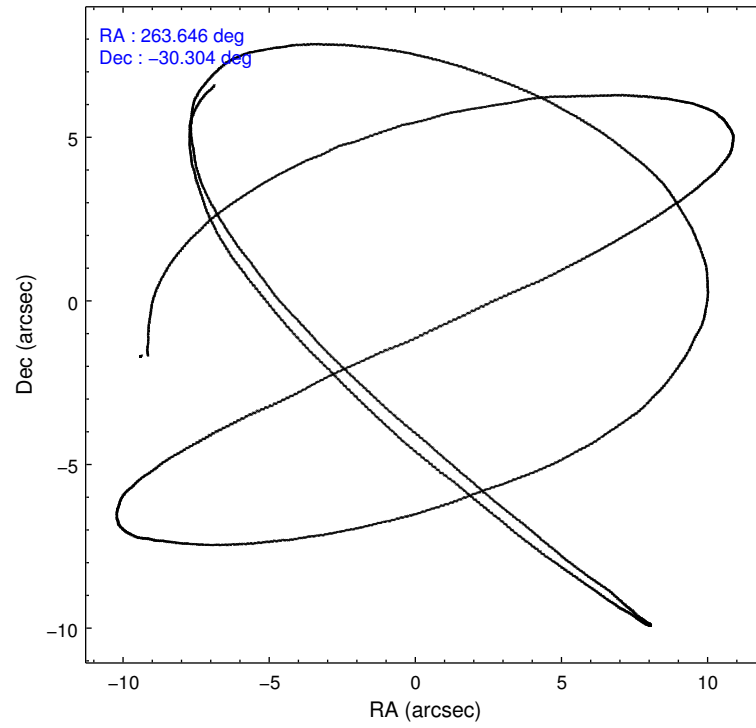
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	18857	19954	20617	20789	23059
rejected events	16834	17769	18520	18818	13647
rejected %	89%	89%	89%	90%	59%

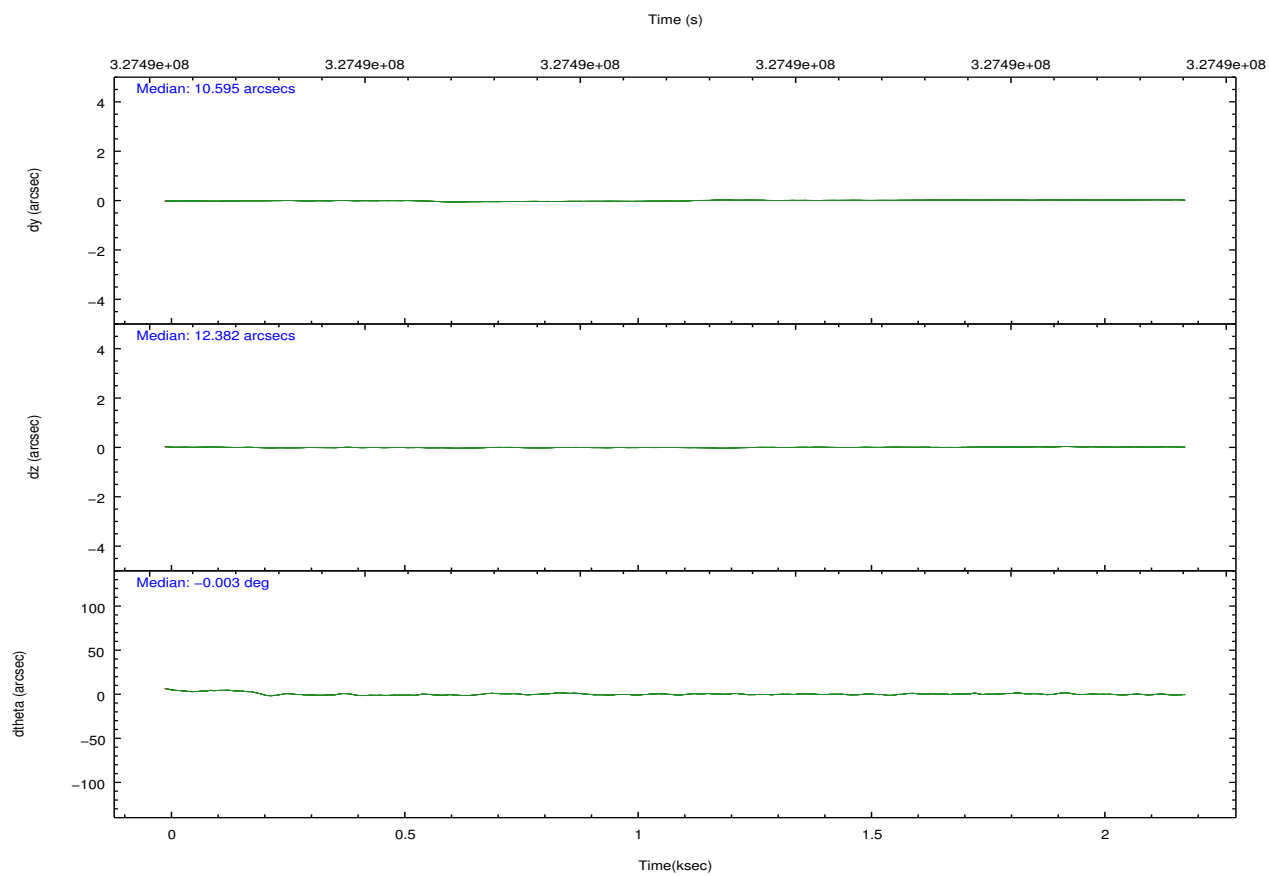
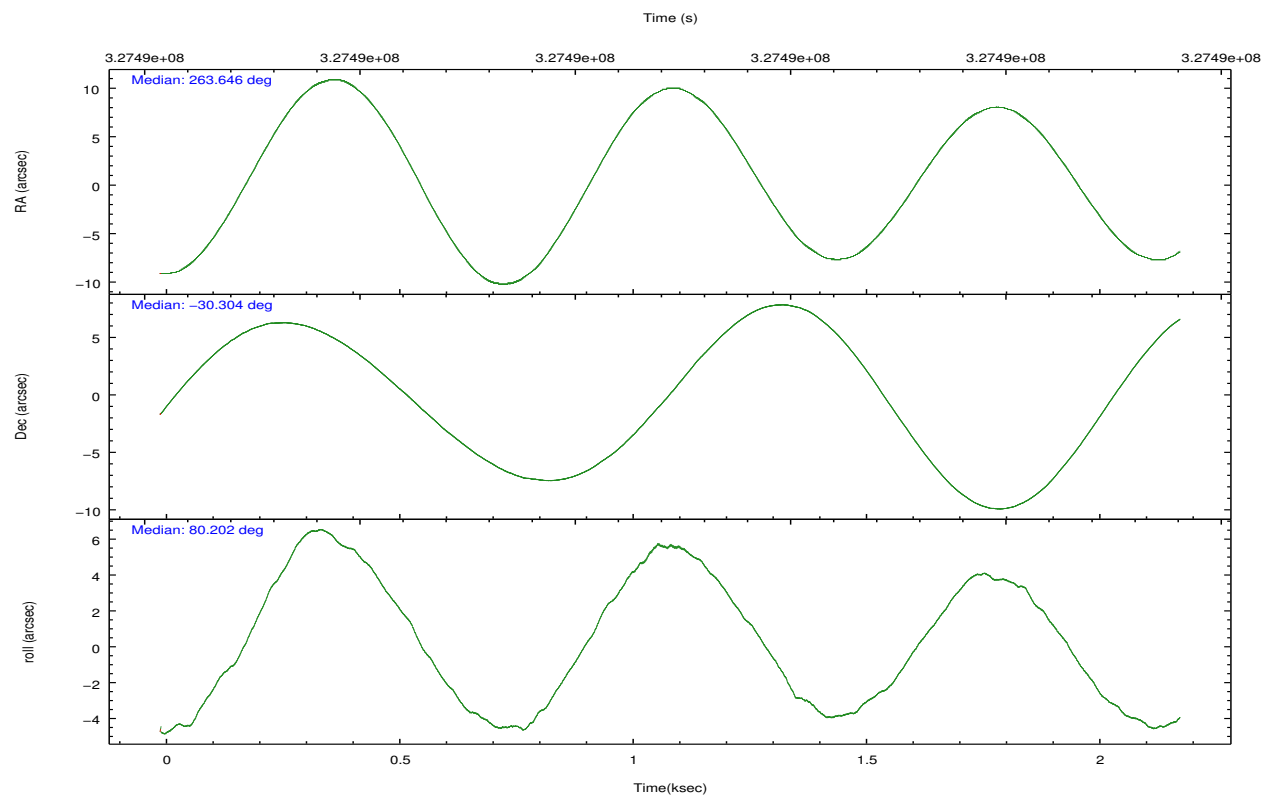
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	916	994	983	916	1105
	4%	4%	4%	4%	4%
grade 1 events	13	11	9	6	28
	0%	0%	0%	0%	0%
grade 2 events	516	544	529	490	2127
	2%	2%	2%	2%	9%
grade 3 events	242	224	251	205	1049
	1%	1%	1%	0%	4%
grade 4 events	214	230	234	227	983
	1%	1%	1%	1%	4%
grade 5 events	757	785	614	789	2436
	4%	3%	2%	3%	10%
grade 6 events	401	499	398	396	5477
	2%	2%	1%	1%	23%
grade 7 events	15798	16667	17599	17760	9854
	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	263.657209	263.6459654779872	CCD I2 on	Y	Y
[deg] Pointing Dec	-30.329958	-30.3041302805174	CCD I3 on	Y	Y
[deg] Pointing Roll	80.005001	80.20803196058162	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)	327489804.184000	327489428.25899	CCD S5 on	N	N
Observation start date	2008-05-18T09:22:19	2008-05-18T09:17:08	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327491804.184000	327491937.97161	On-chip summing requested	N	N
Observation end date	2008-05-18T09:55:39	2008-05-18T09:58:57	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



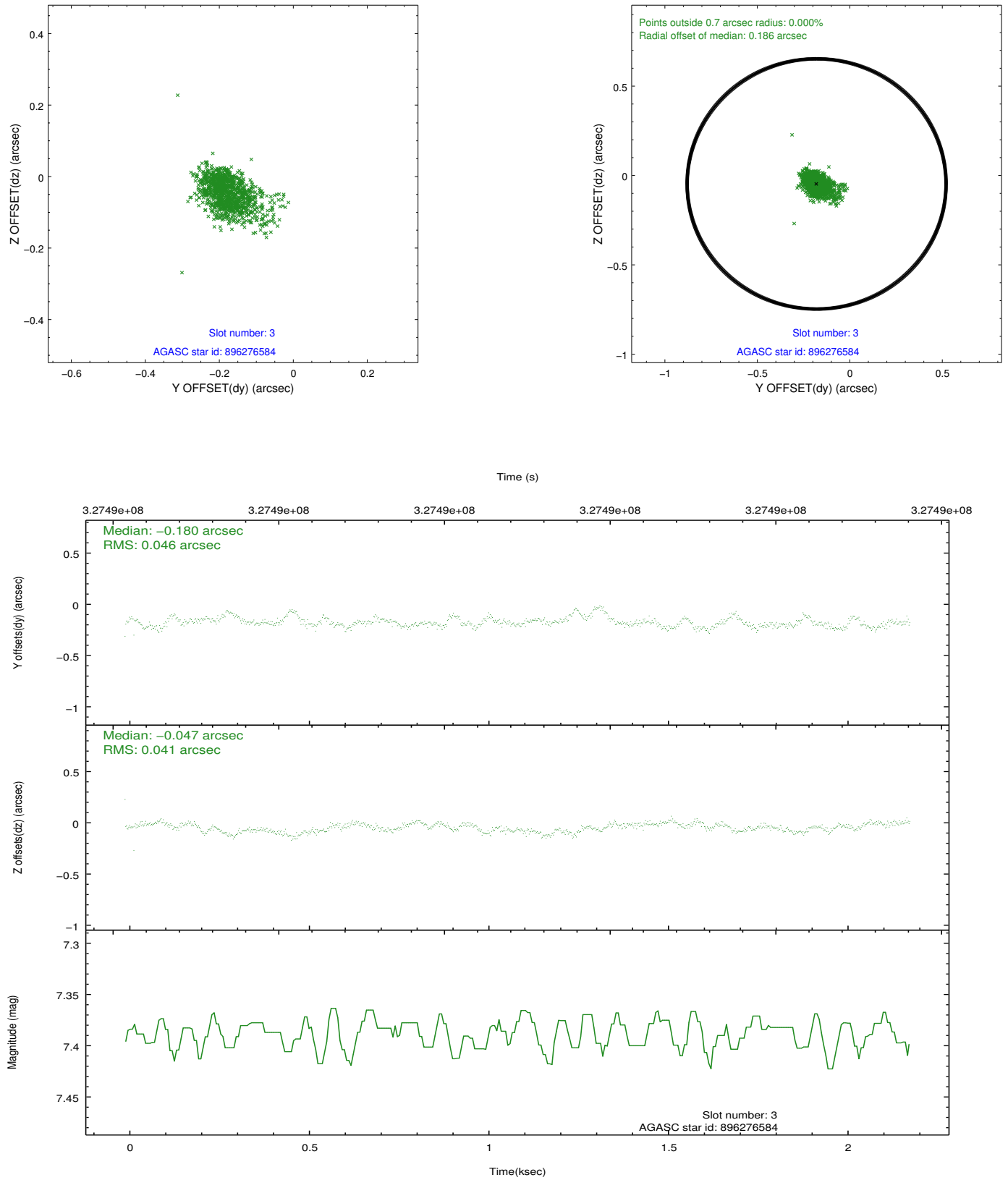


Slot Statistics

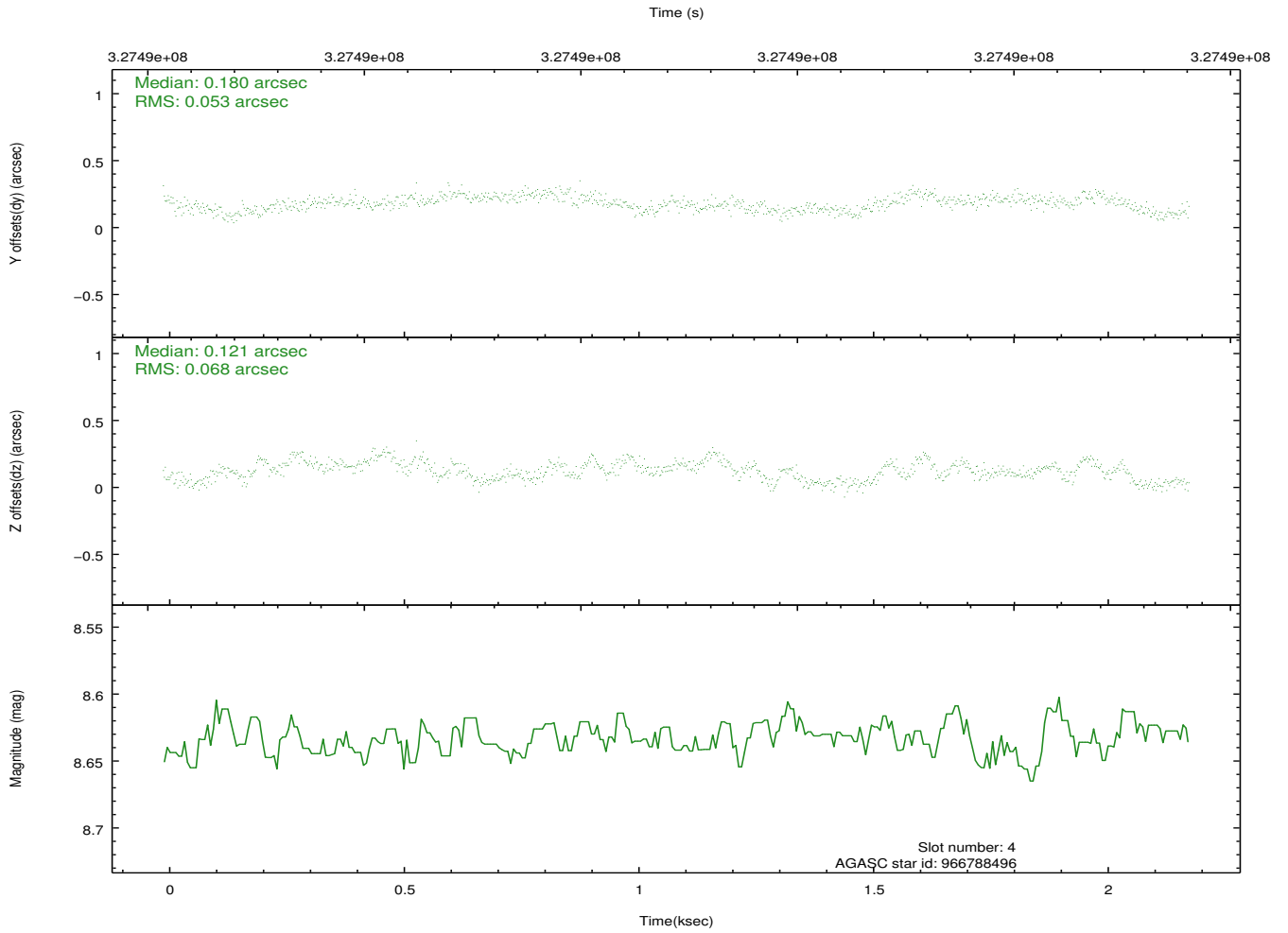
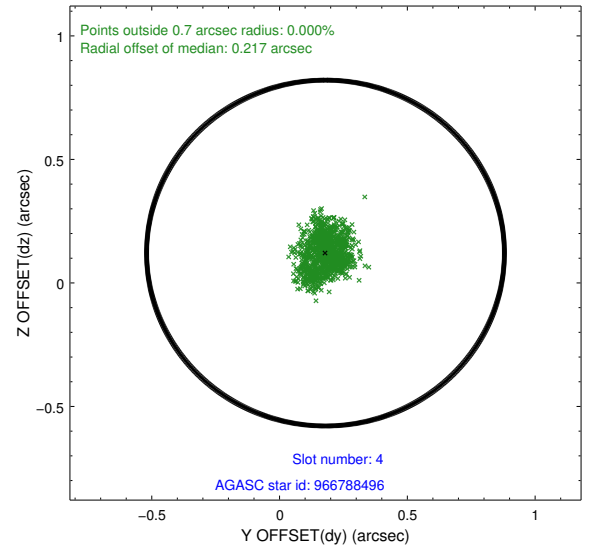
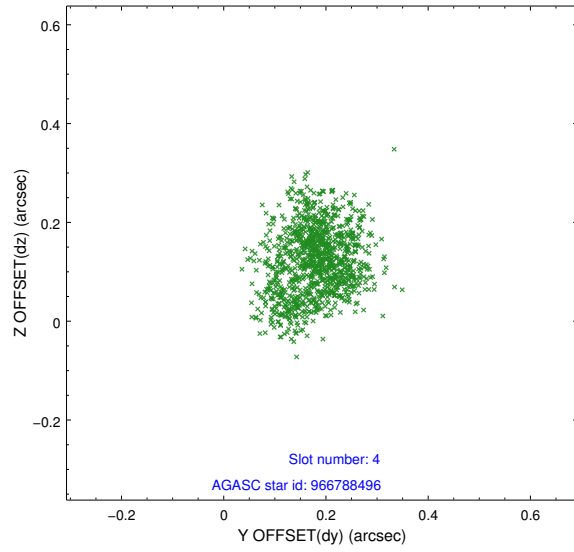
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.06	534	0.002	-0.048	0.011	0.054	0.000000	0.000000	929.00	-835.95
1	FID	ACIS-I-4	6.98	534	0.079	0.057	0.009	0.042	0.000000	0.000000	2150.76	1062.48
2	FID	ACIS-I-5	7.03	533	-0.179	0.062	0.008	0.021	0.000000	0.000000	-1815.36	1063.69
3	GUIDE	896276584	7.39	1067	-0.180	-0.047	0.061	0.114	263.264332	-29.650845	2192.00	1634.40
4	GUIDE	966788496	8.63	1067	0.180	0.121	0.093	0.144	264.053541	-30.541810	-537.55	-1341.65
5	GUIDE	966791064	7.76	1066	-0.027	0.061	0.057	0.086	263.920275	-30.338943	108.64	-812.22
6	GUIDE	966662752	8.25	1067	0.053	-0.303	0.081	0.128	262.898473	-30.245665	-118.53	2373.71
7	GUIDE	966792448	9.20	1063	-0.028	0.188	0.115	0.185	264.302983	-30.719022	-1038.03	-2210.35

2.4 Star Slots

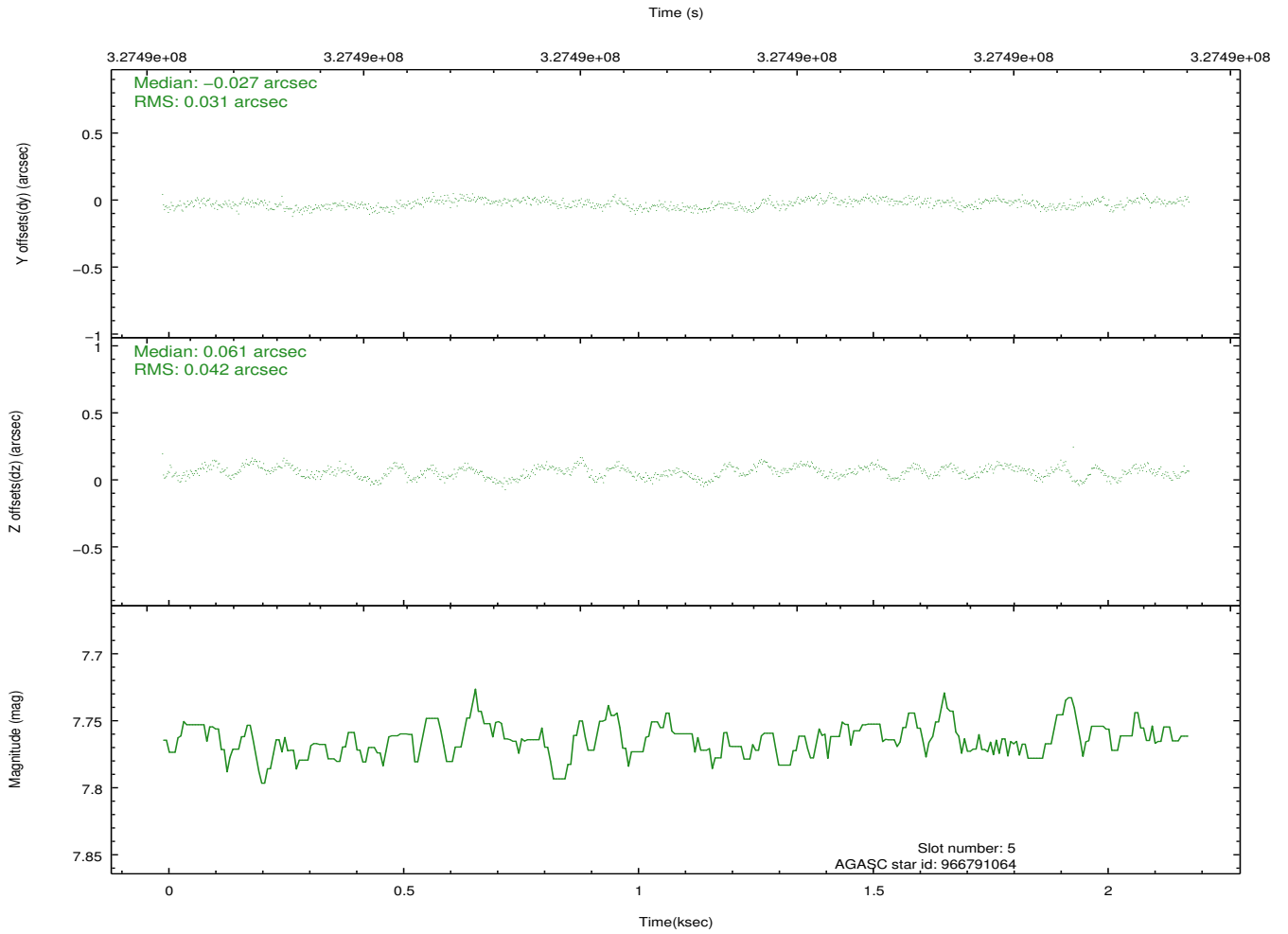
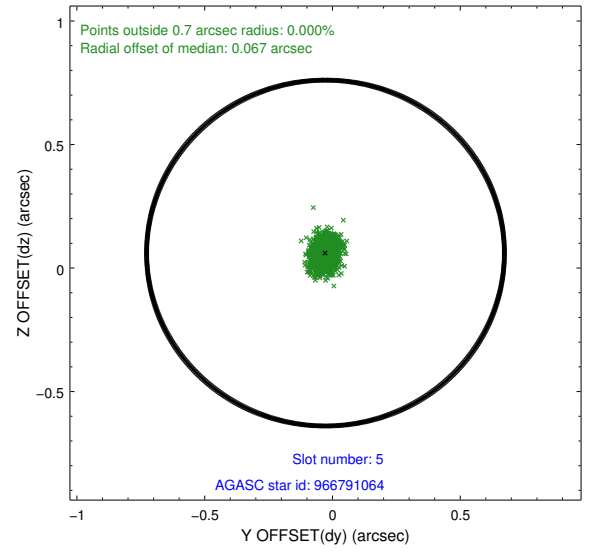
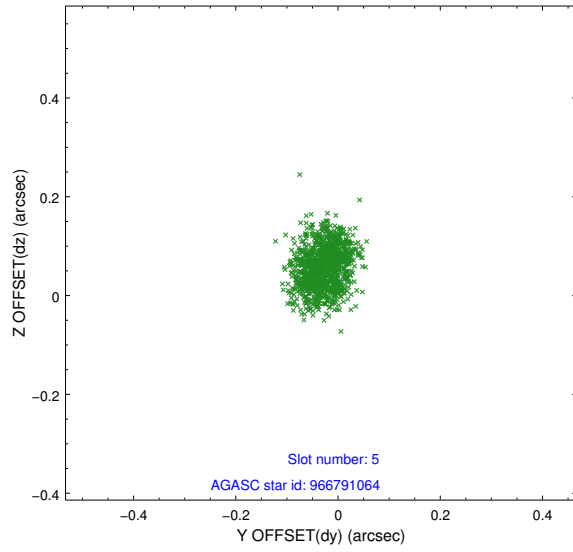
2.4.1 Slot 3



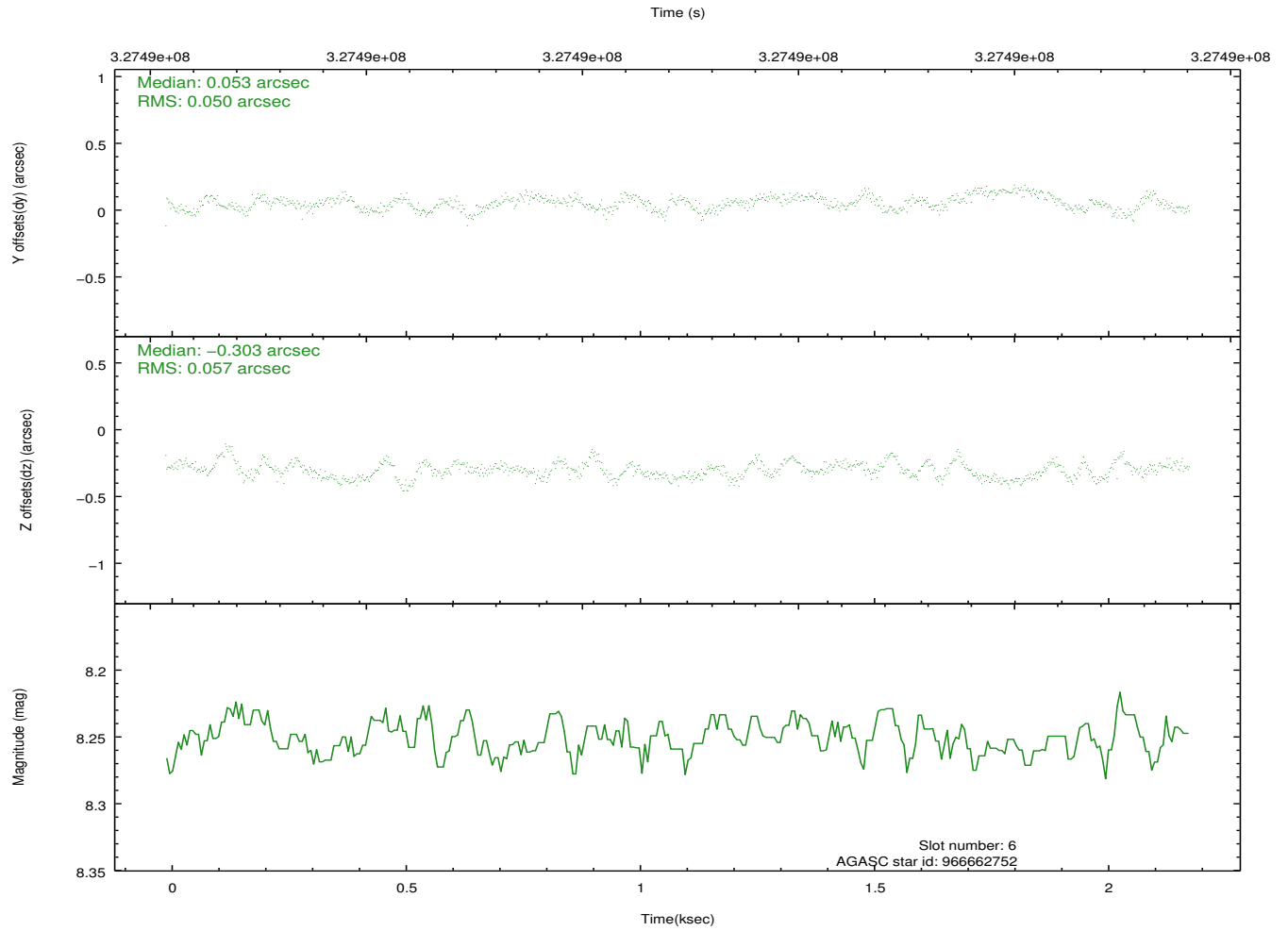
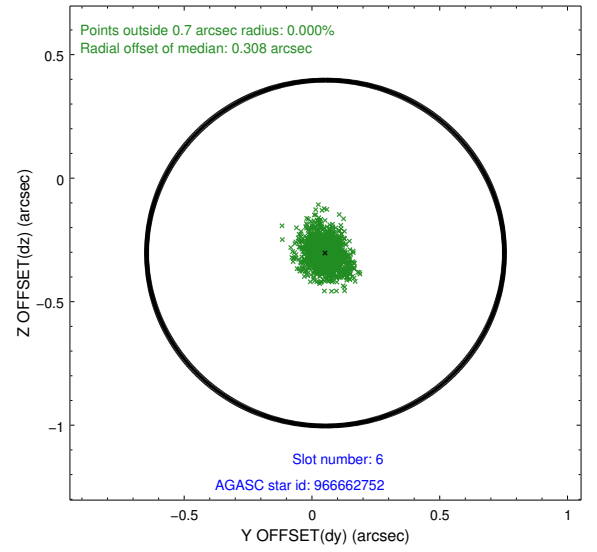
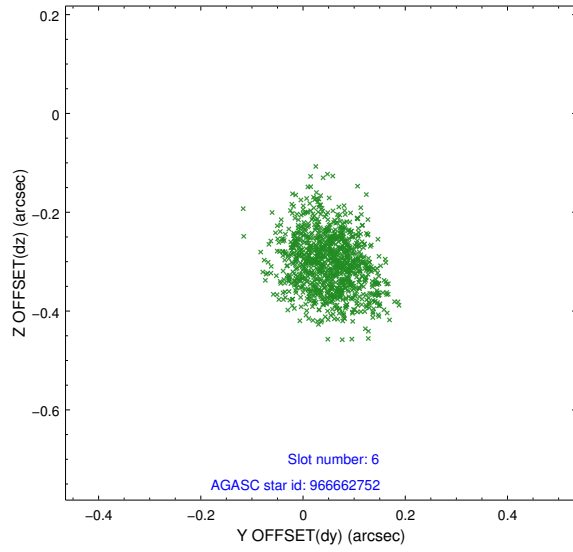
2.4.2 Slot 4



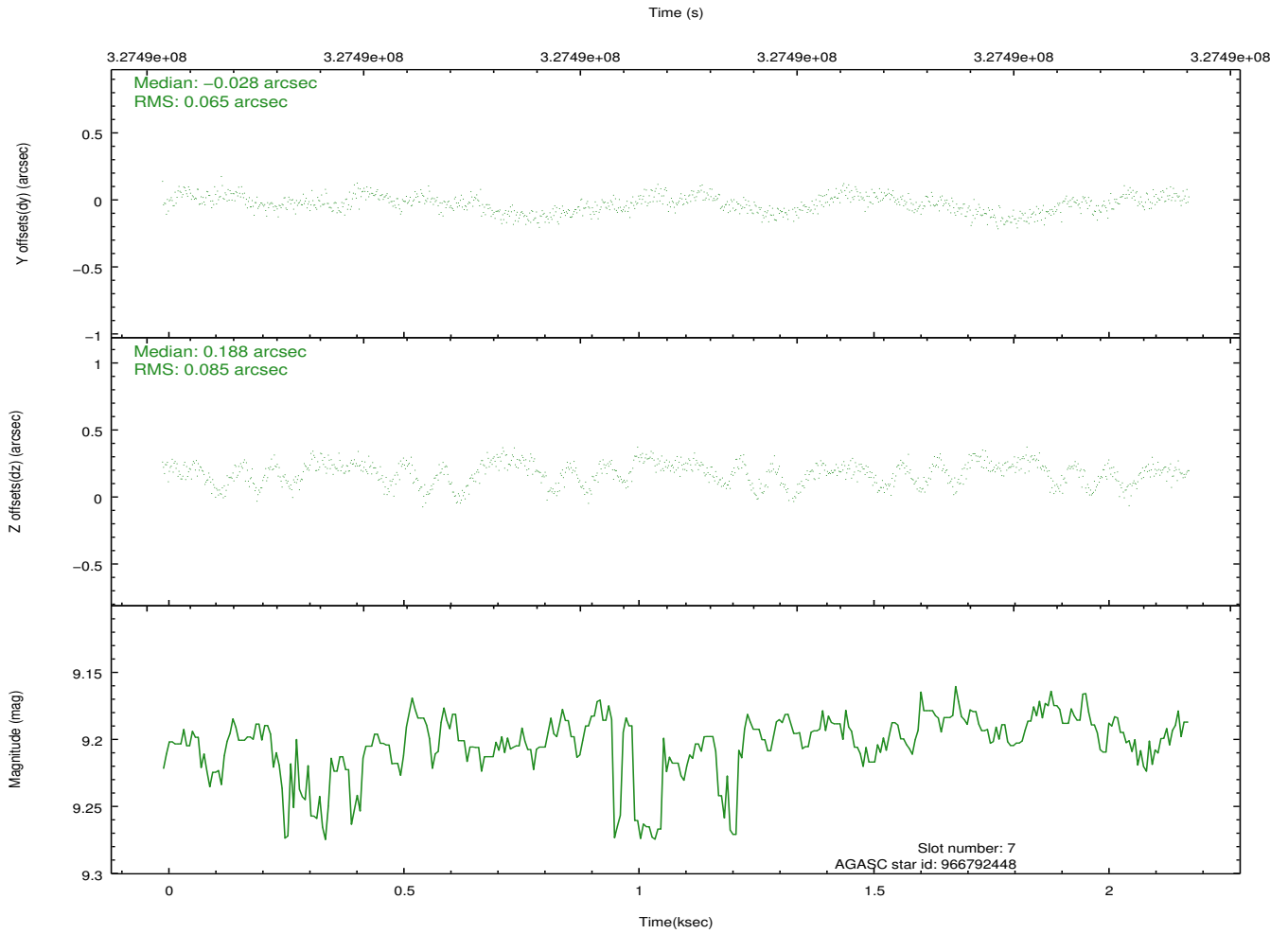
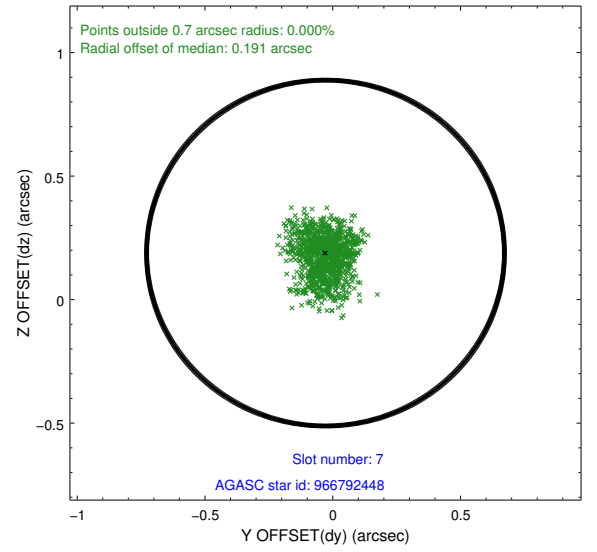
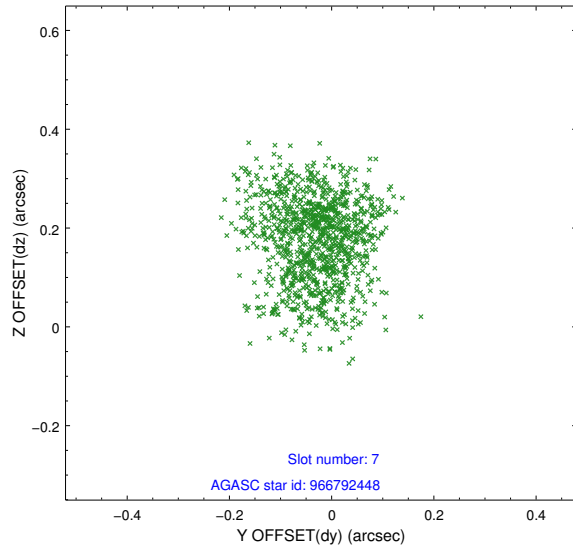
2.4.3 Slot 5



2.4.4 Slot 6

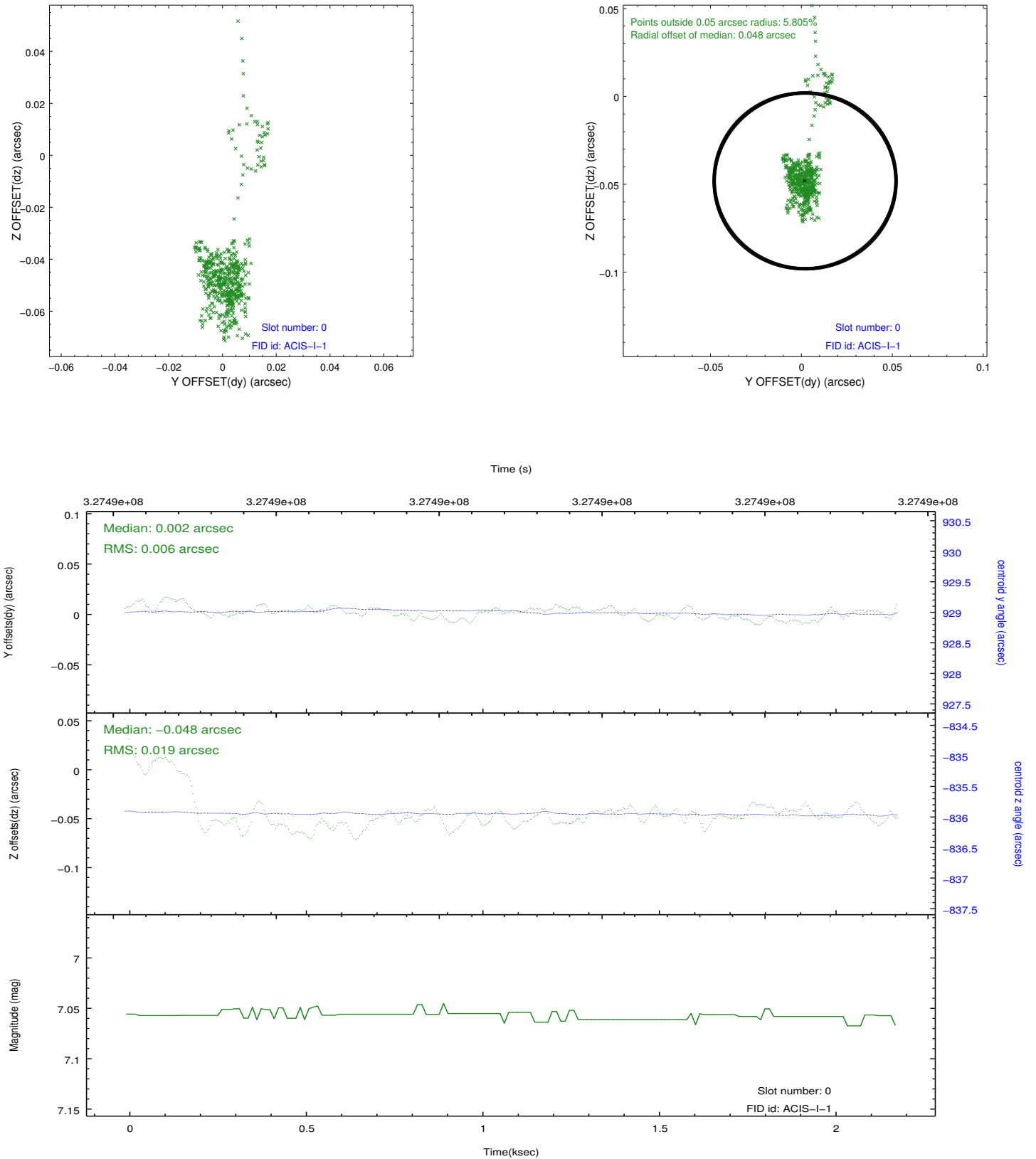


2.4.5 Slot 7

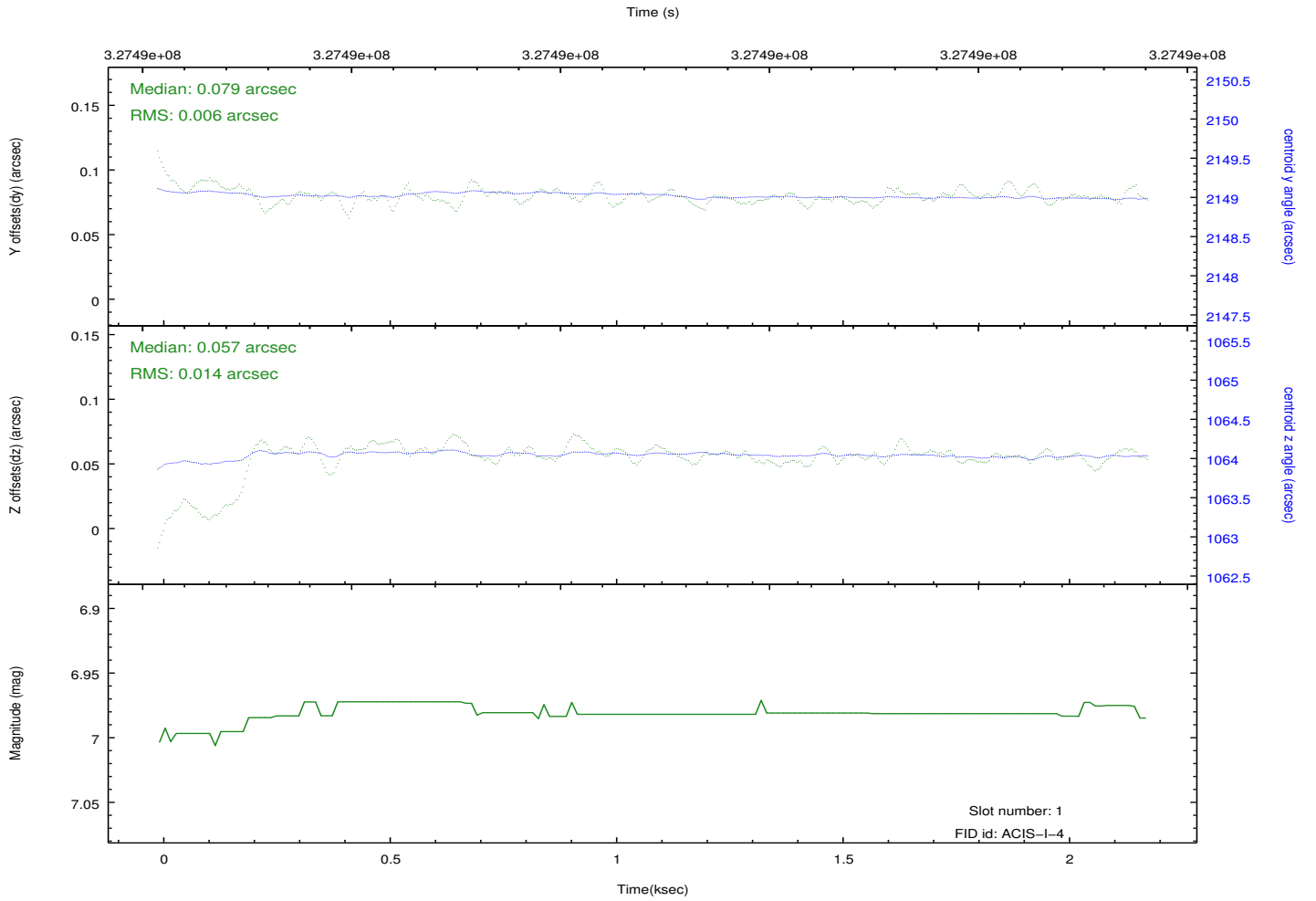
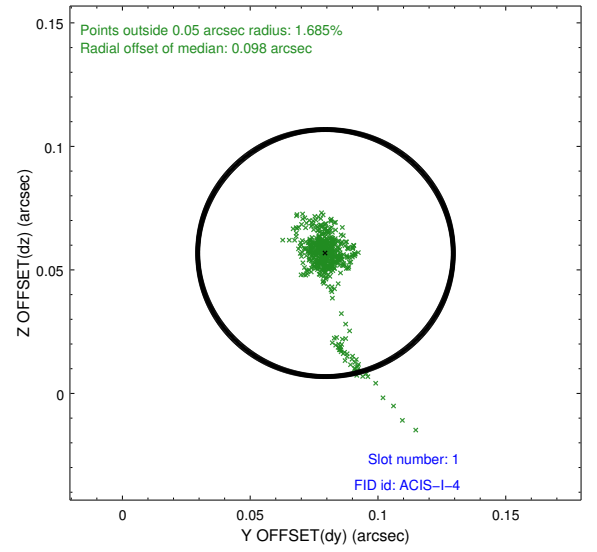
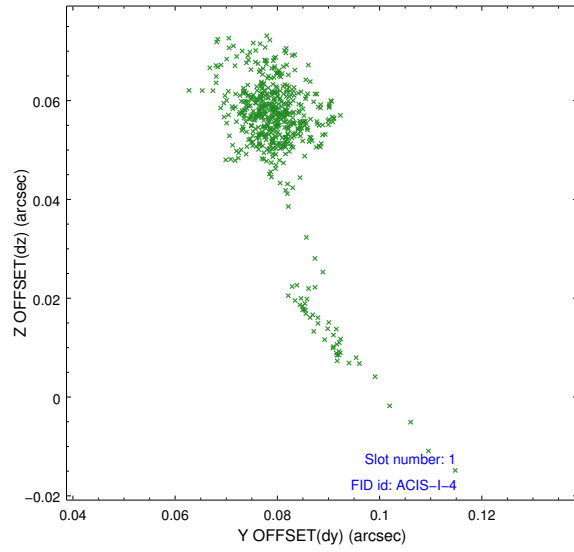


2.5 FID Slots

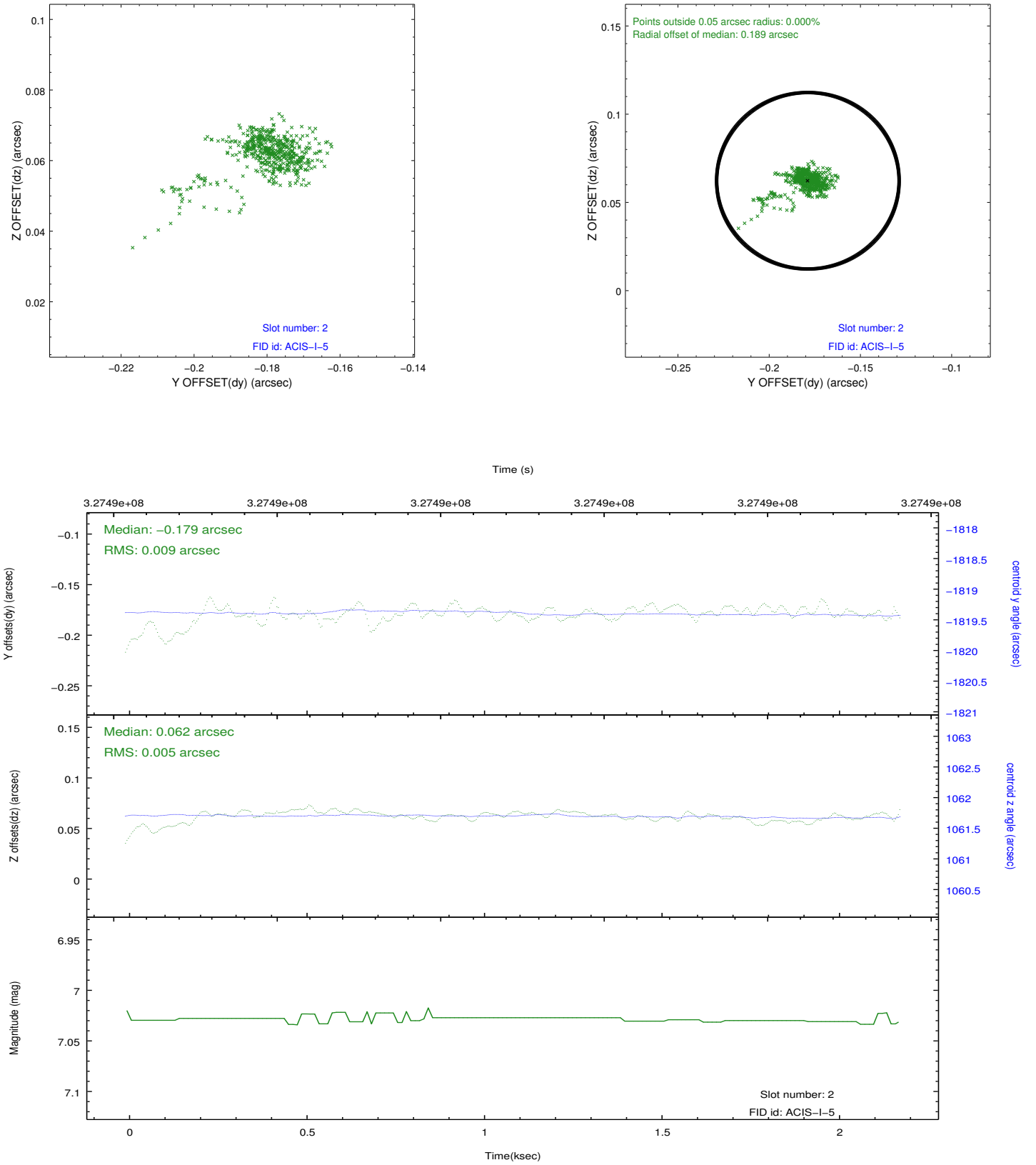
2.5.1 Slot 0



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