

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8760 - L2 Version 2
Chandra X-Ray Center

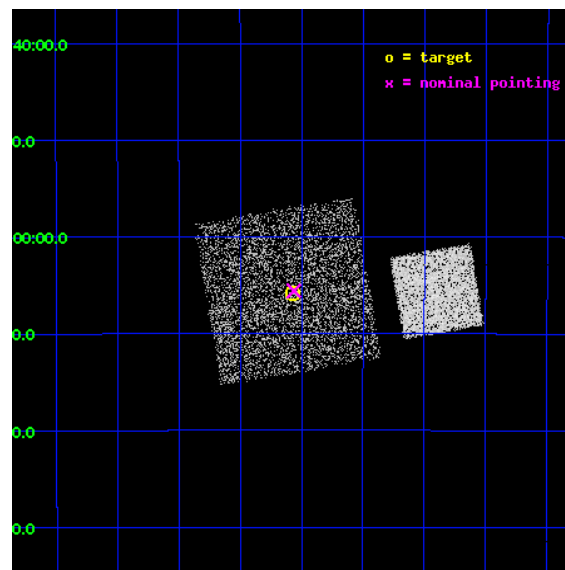
L2 Processing Date : May 14 2012

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1 Front

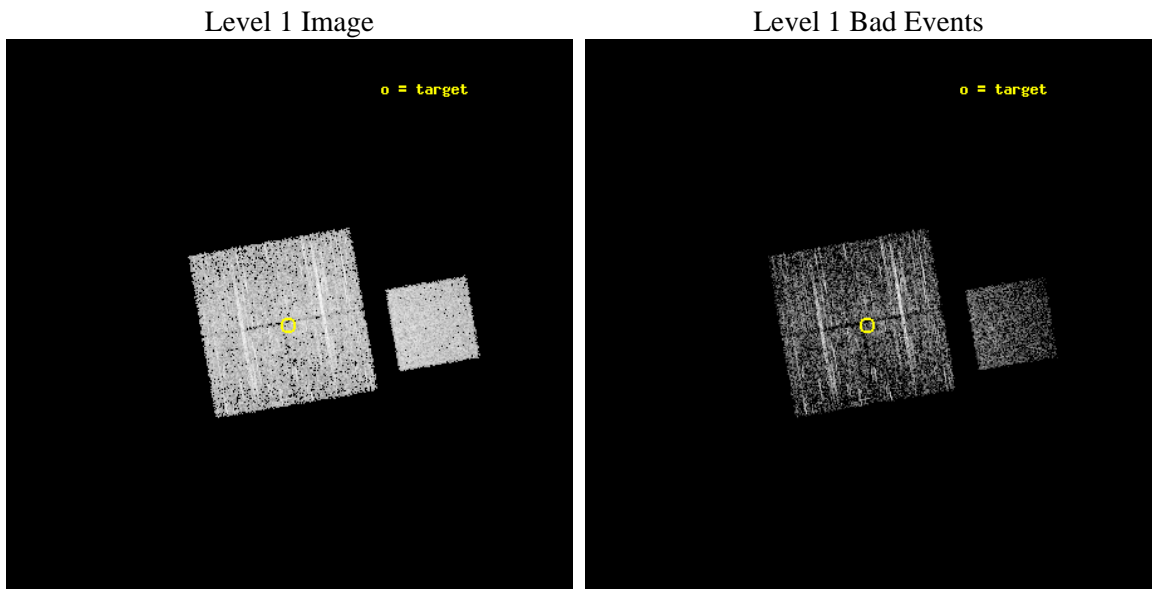
seq_num	400811	Sequence number
obs_id	8760	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.642807	Observer's specified target RA [deg]
dec_targ	-31.097738	Observer's specified target Dec [deg]
ra_nom	266.64079192266	Nominal RA [deg]
dec_nom	-31.093044410922	Nominal Dec [deg]
roll_nom	80.207659548822	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2185.5000168085	Sum of GTIs [s]
livetime	2156.9448501472	Livetime [s]
ontime0	2182.3590264916	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	15431	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	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	2182.3590264916	Sum of GTIs [s]
date	2012-05-14T20:45:35	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	100027	Number of level 1 events

2.1.4 Events

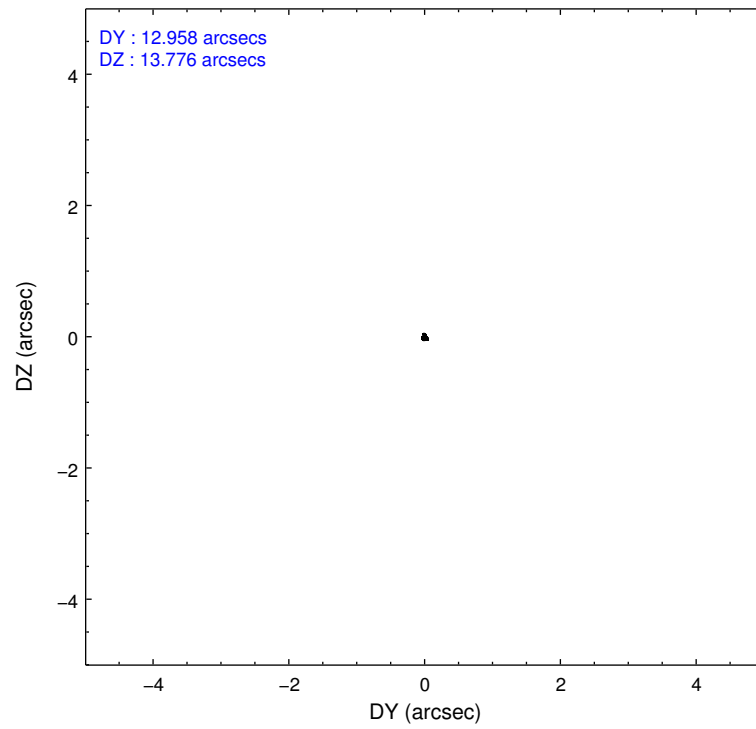
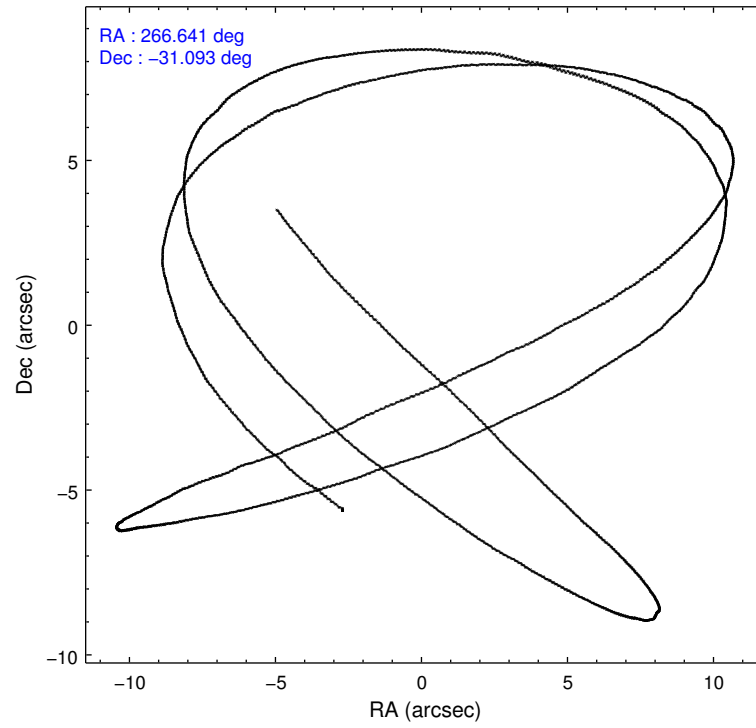
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	18277	18445	21706	18963	22636
rejected events	16396	16302	19823	17149	13410
rejected %	89%	88%	91%	90%	59%

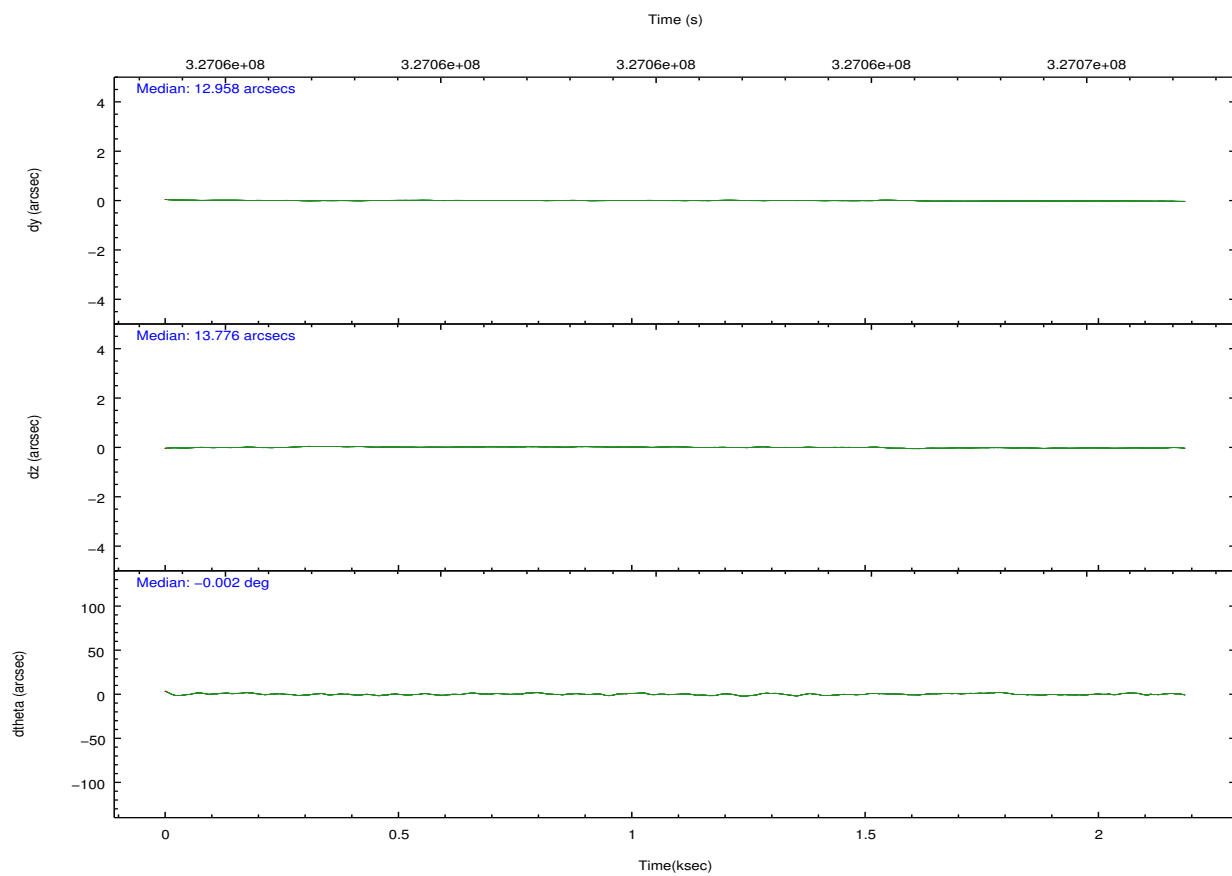
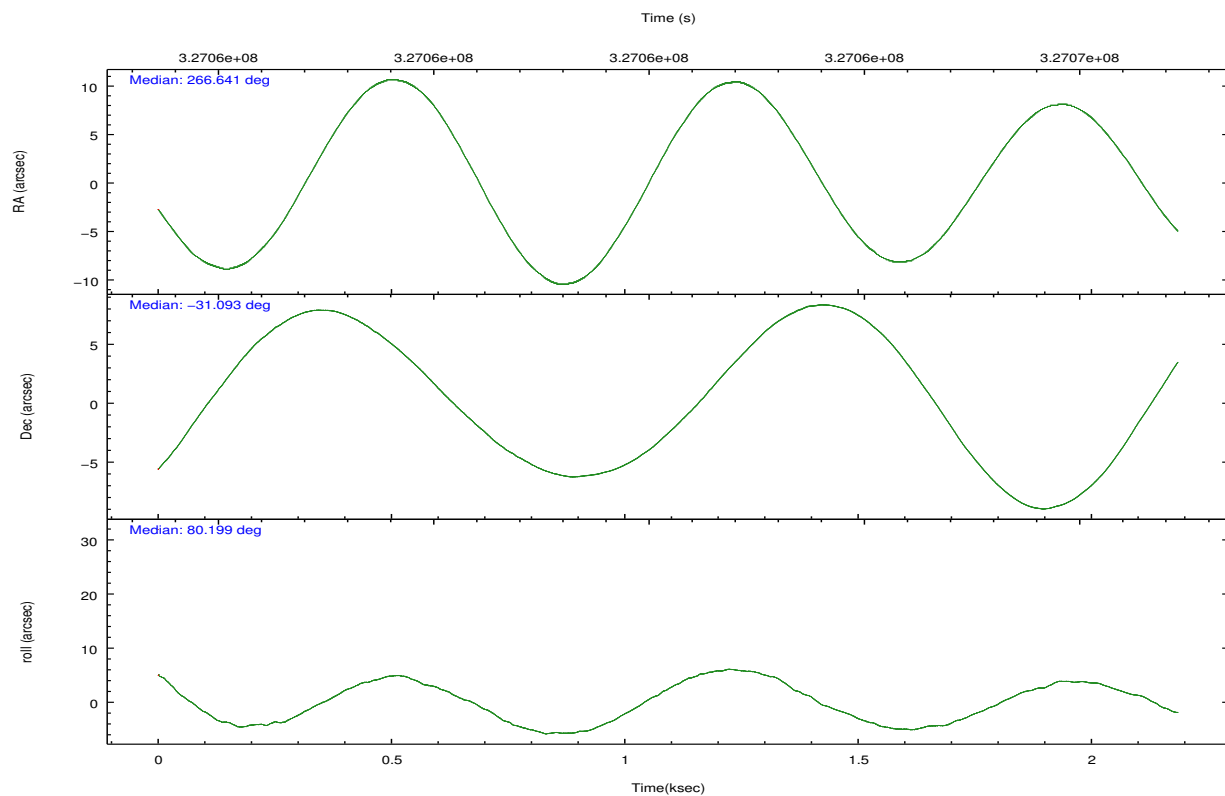
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	835	1001	901	783	1022
	4%	5%	4%	4%	4%
grade 1 events	14	21	14	16	23
	0%	0%	0%	0%	0%
grade 2 events	474	535	529	436	2134
	2%	2%	2%	2%	9%
grade 3 events	235	235	177	221	992
	1%	1%	0%	1%	4%
grade 4 events	211	232	206	227	953
	1%	1%	0%	1%	4%
grade 5 events	679	760	657	776	2336
	3%	4%	3%	4%	10%
grade 6 events	392	480	346	417	5422
	2%	2%	1%	2%	23%
grade 7 events	15437	15181	18876	16087	9754
	84%	82%	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	266.652107	266.6407919226635	CCD I2 on	Y	Y
[deg] Pointing Dec	-31.118769	-31.09304441092167	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004807	80.20765954882181	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)	327063642.184000	327063266.03822	CCD S5 on	N	N
Observation start date	2008-05-13T10:59:37	2008-05-13T10:54:26	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327065642.184000	327065776.26334	On-chip summing requested	N	N
Observation end date	2008-05-13T11:32:57	2008-05-13T11:36:16	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



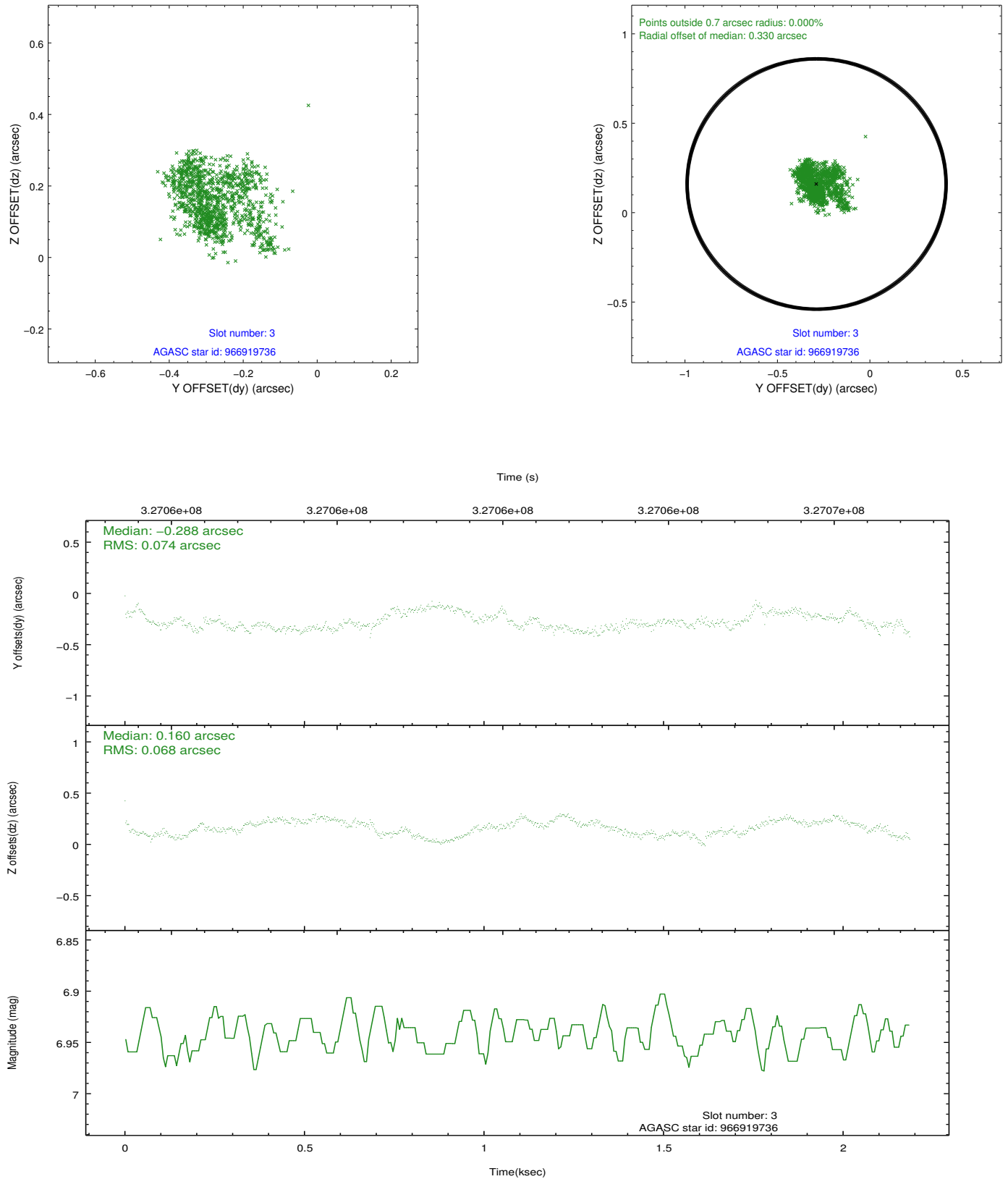


Slot Statistics

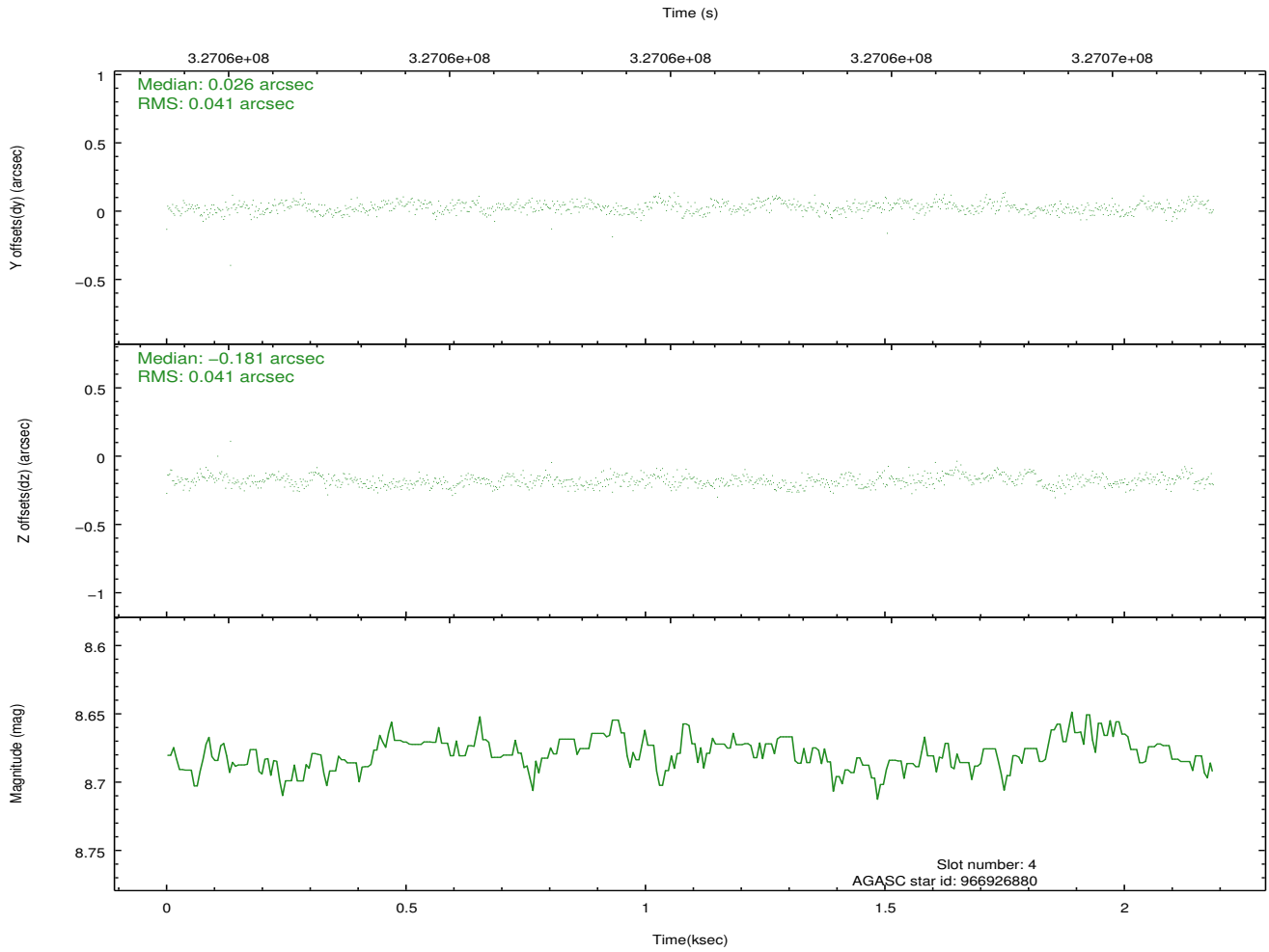
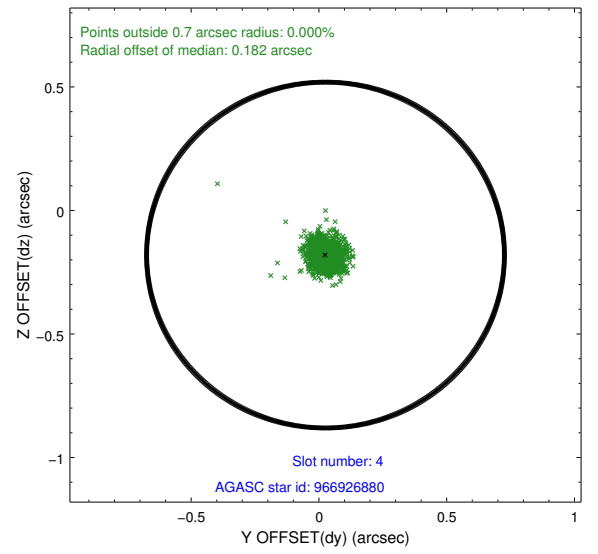
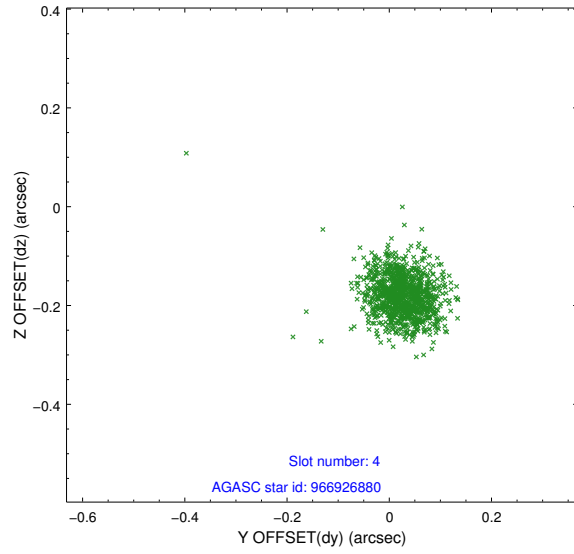
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	6.95	534	-0.079	-0.062	0.010	0.019	0.000000	0.000000	-767.69	-843.77
1	FID	ACIS-I-4	6.97	534	0.183	0.066	0.008	0.016	0.000000	0.000000	2145.27	1061.03
2	FID	ACIS-I-5	7.02	534	-0.205	0.065	0.011	0.018	0.000000	0.000000	-1817.82	1062.27
3	GUIDE	966919736	6.94	1067	-0.288	0.160	0.107	0.172	267.322278	-30.597445	2202.67	-1720.51
4	GUIDE	966926880	8.68	1067	0.026	-0.181	0.059	0.095	265.970408	-31.411350	-1405.14	1876.88
5	GUIDE	966927000	8.17	1066	-0.033	0.210	0.072	0.114	267.318997	-31.255021	-133.65	-2105.33
6	GUIDE	966927176	9.02	1066	0.165	-0.115	0.073	0.125	265.946853	-31.673679	-2349.21	1777.78
7	GUIDE	966926896	9.20	1065	0.119	-0.073	0.087	0.139	266.197771	-31.663459	-2177.54	1031.61

2.4 Star Slots

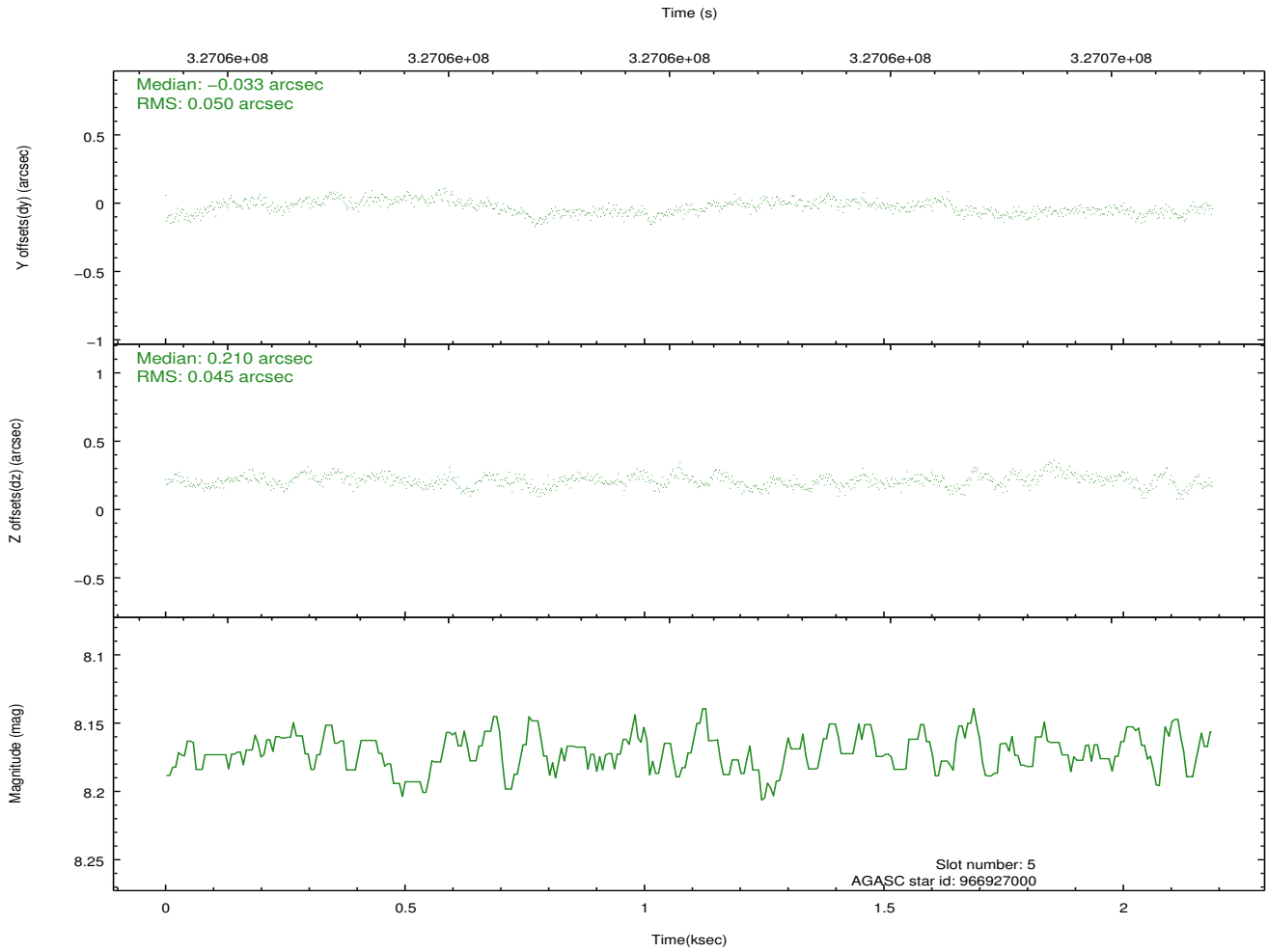
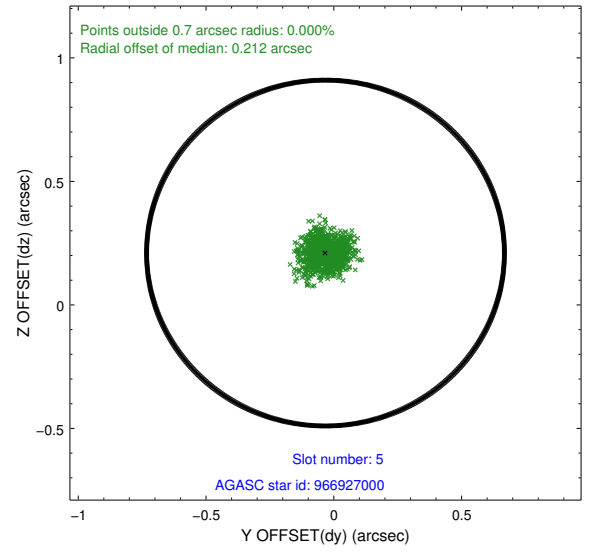
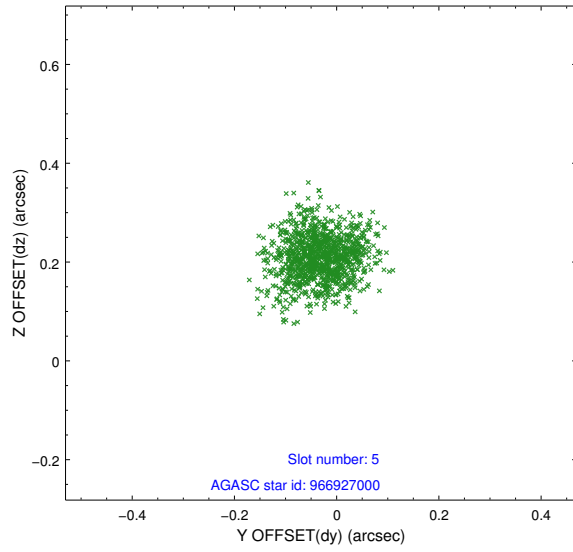
2.4.1 Slot 3



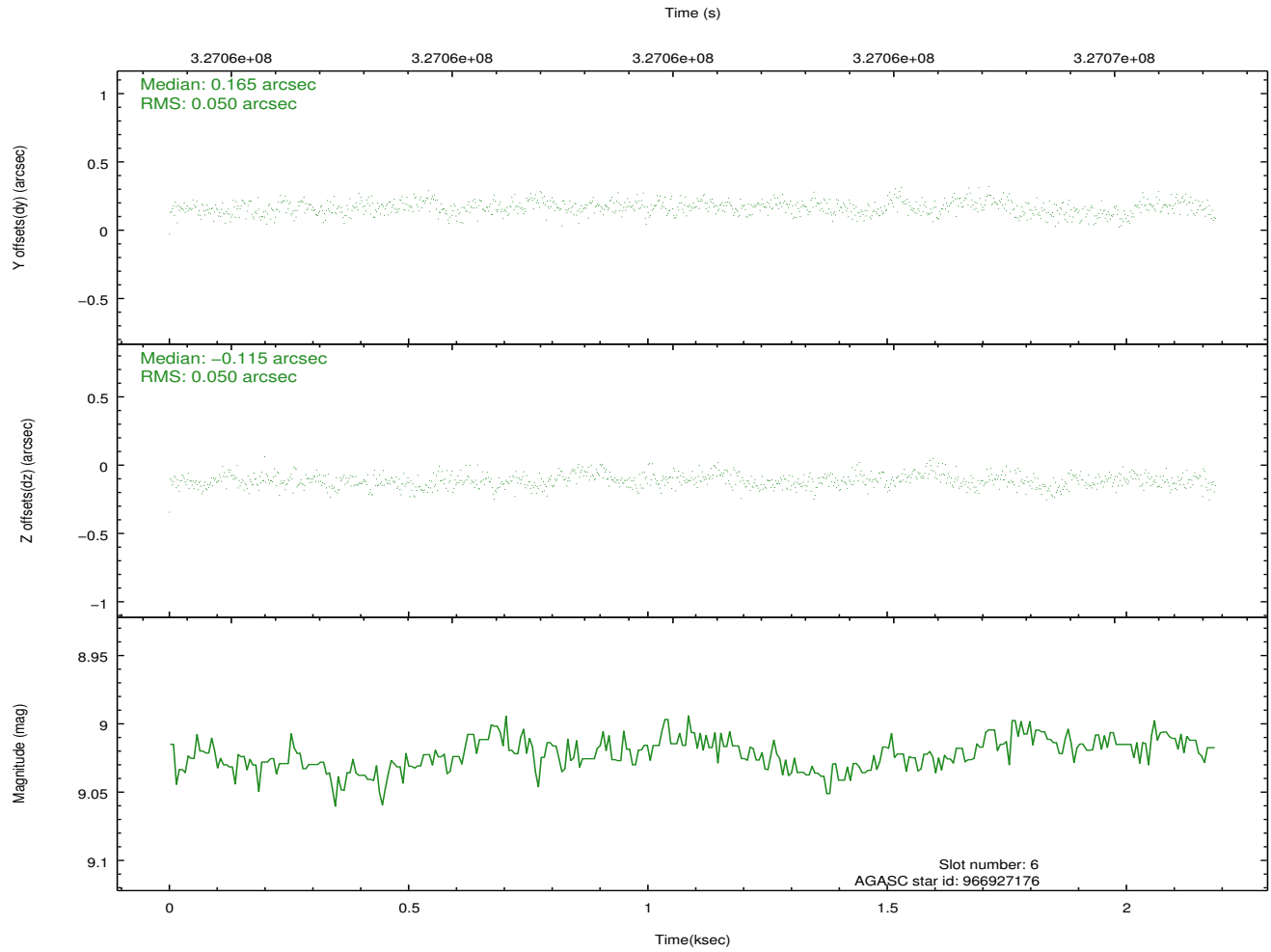
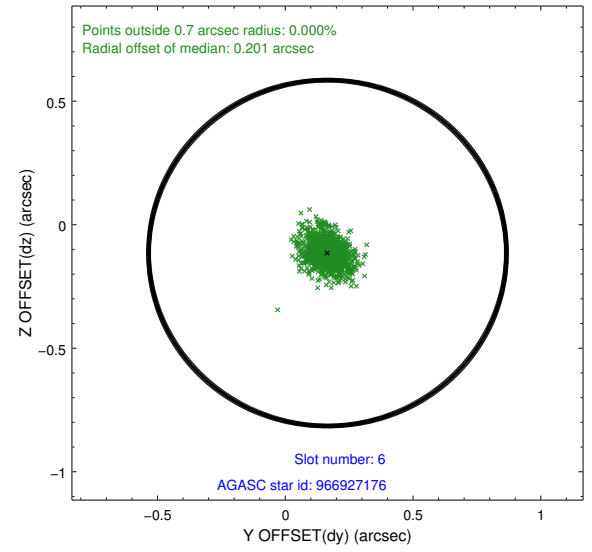
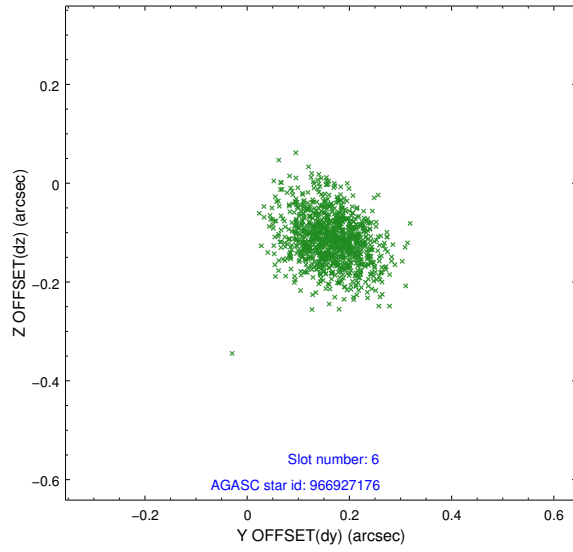
2.4.2 Slot 4



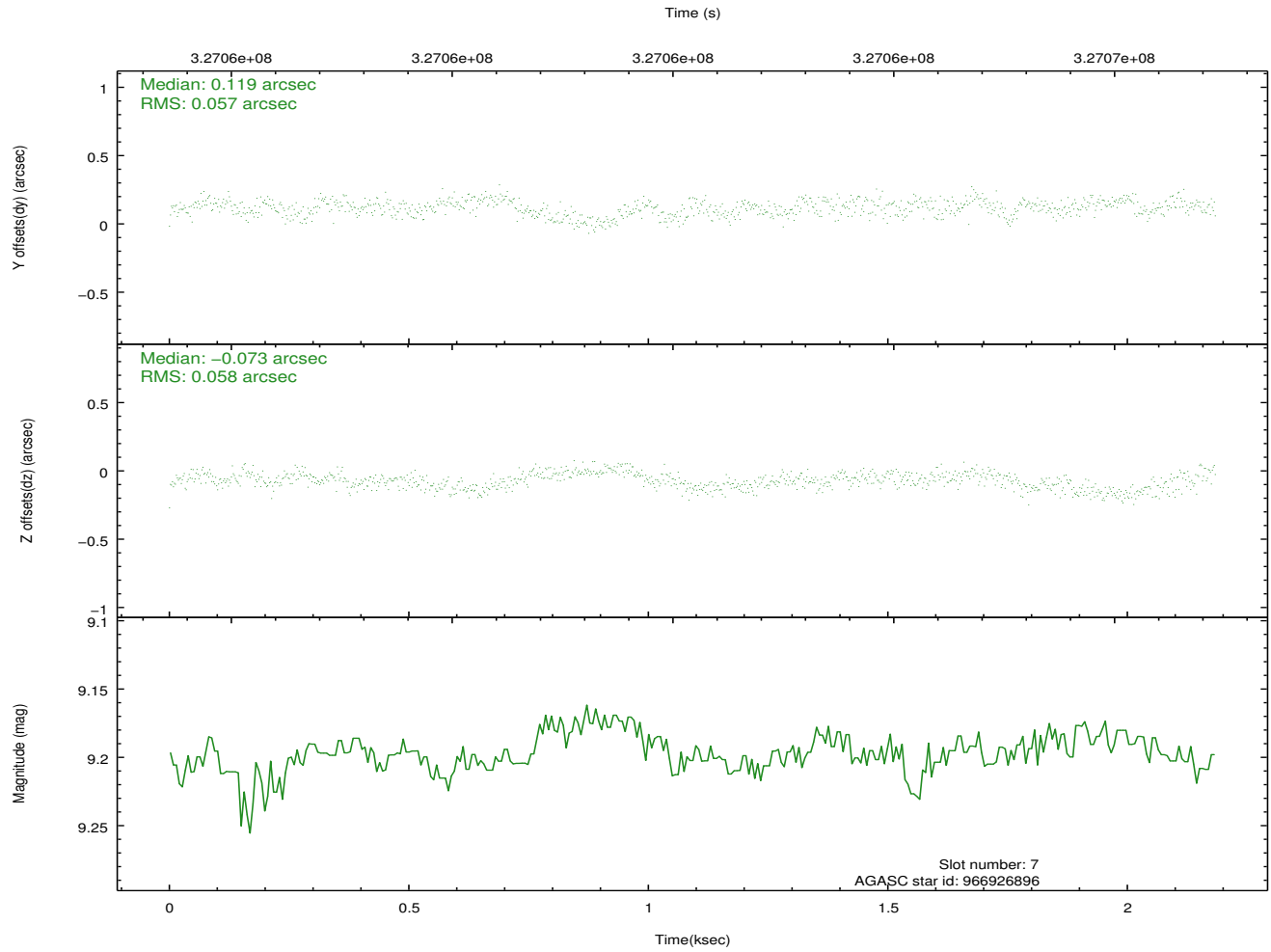
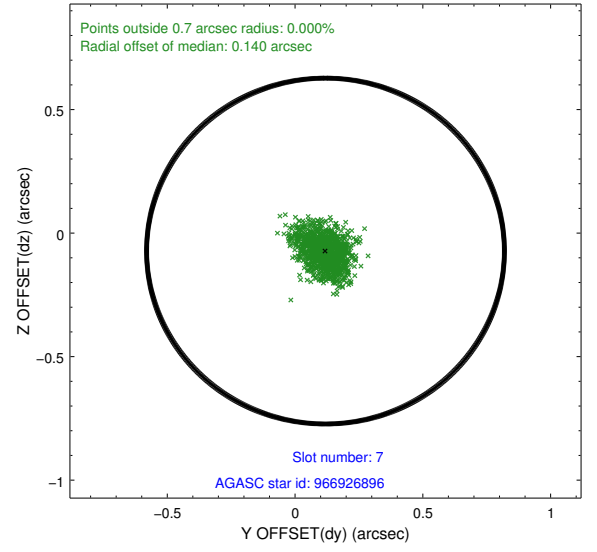
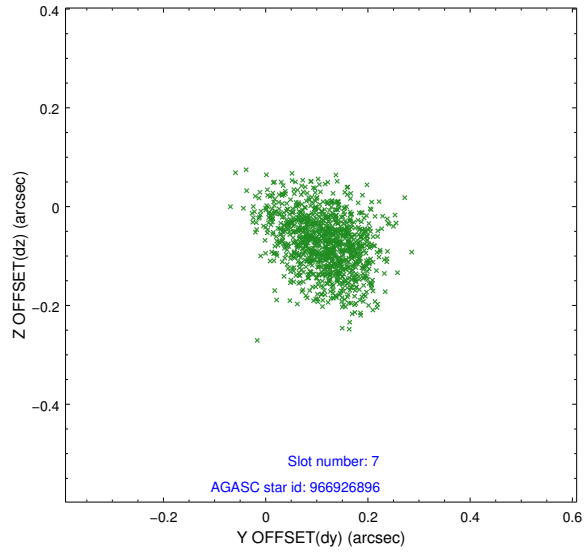
2.4.3 Slot 5



2.4.4 Slot 6

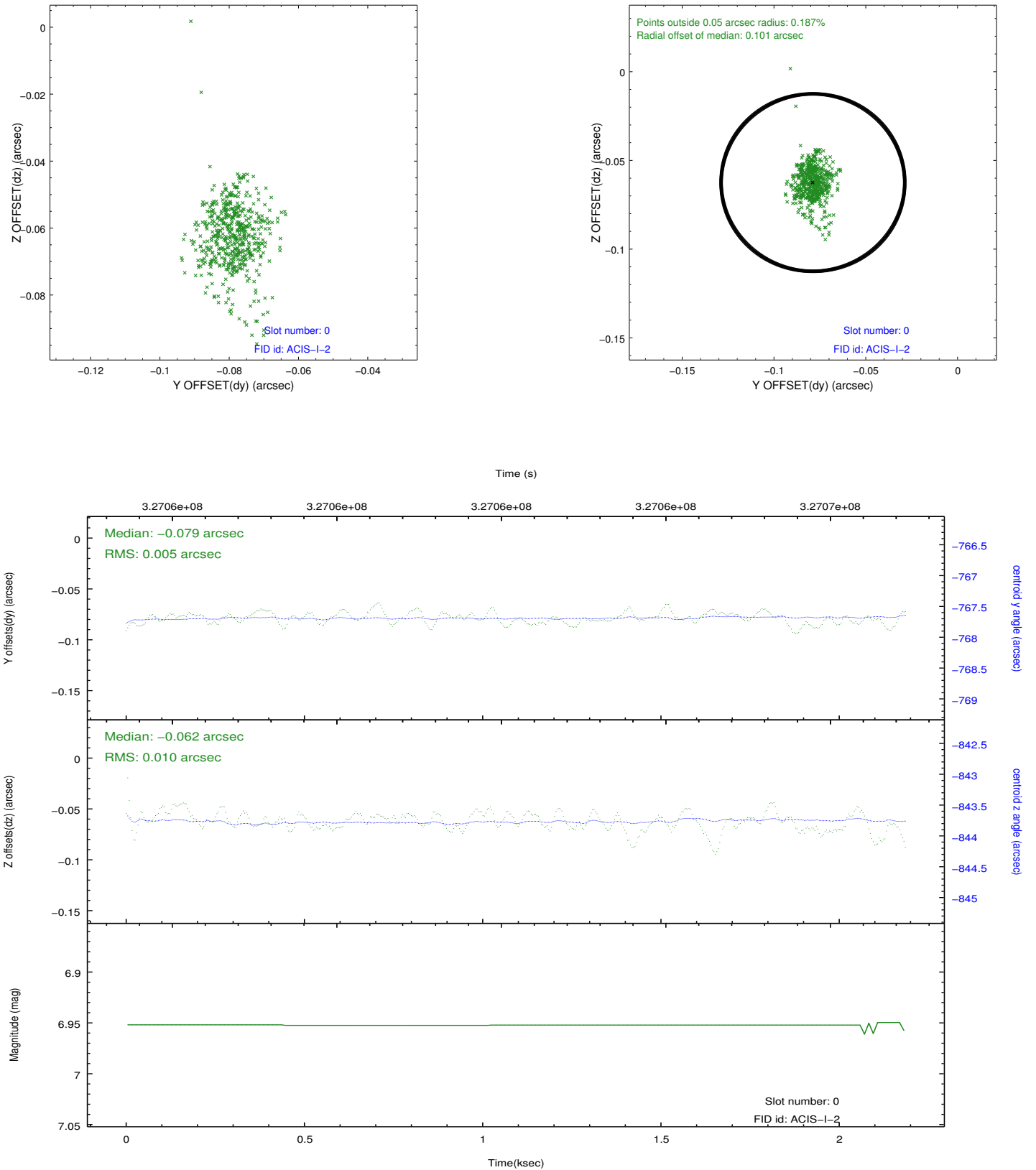


2.4.5 Slot 7

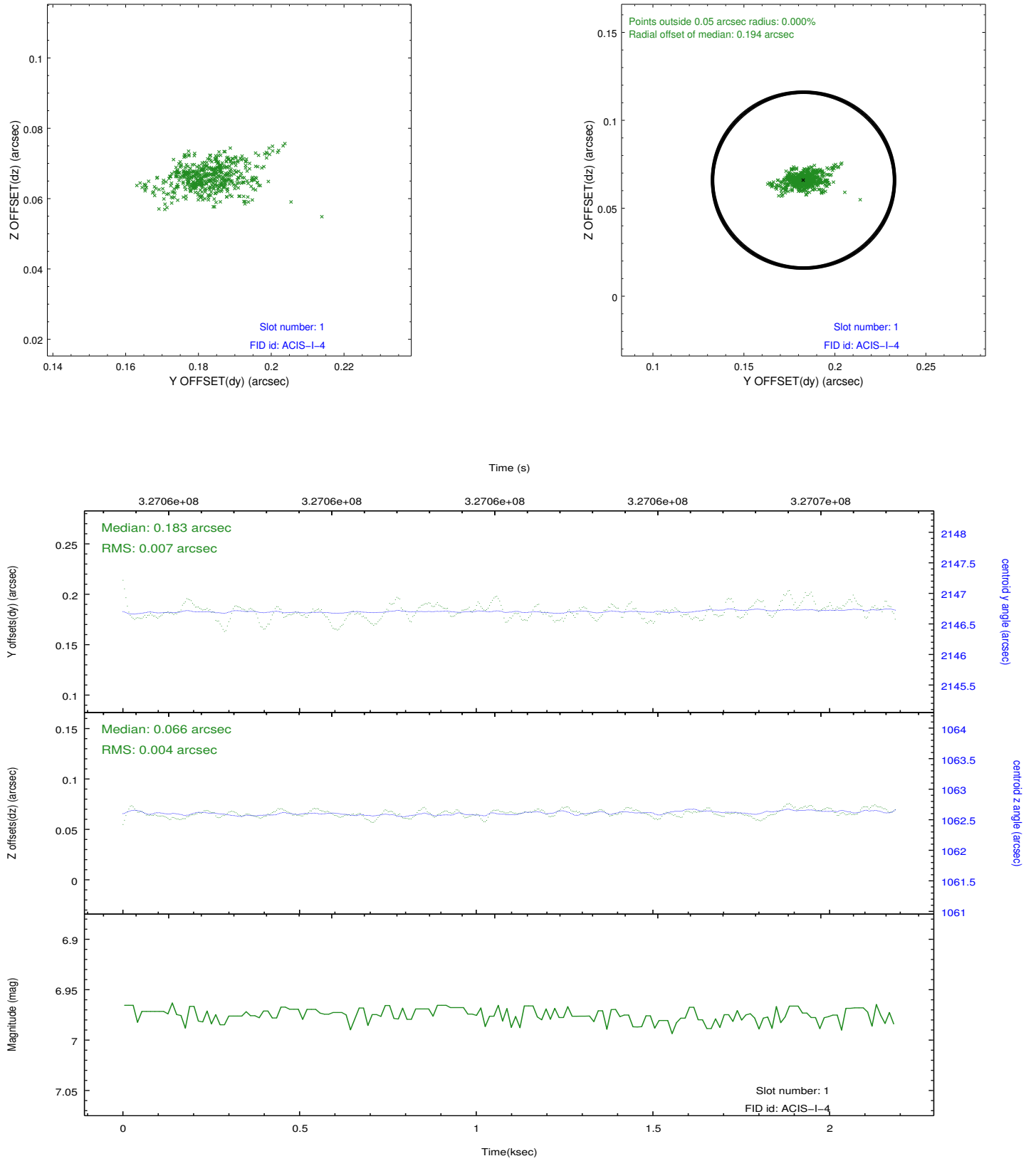


2.5 FID Slots

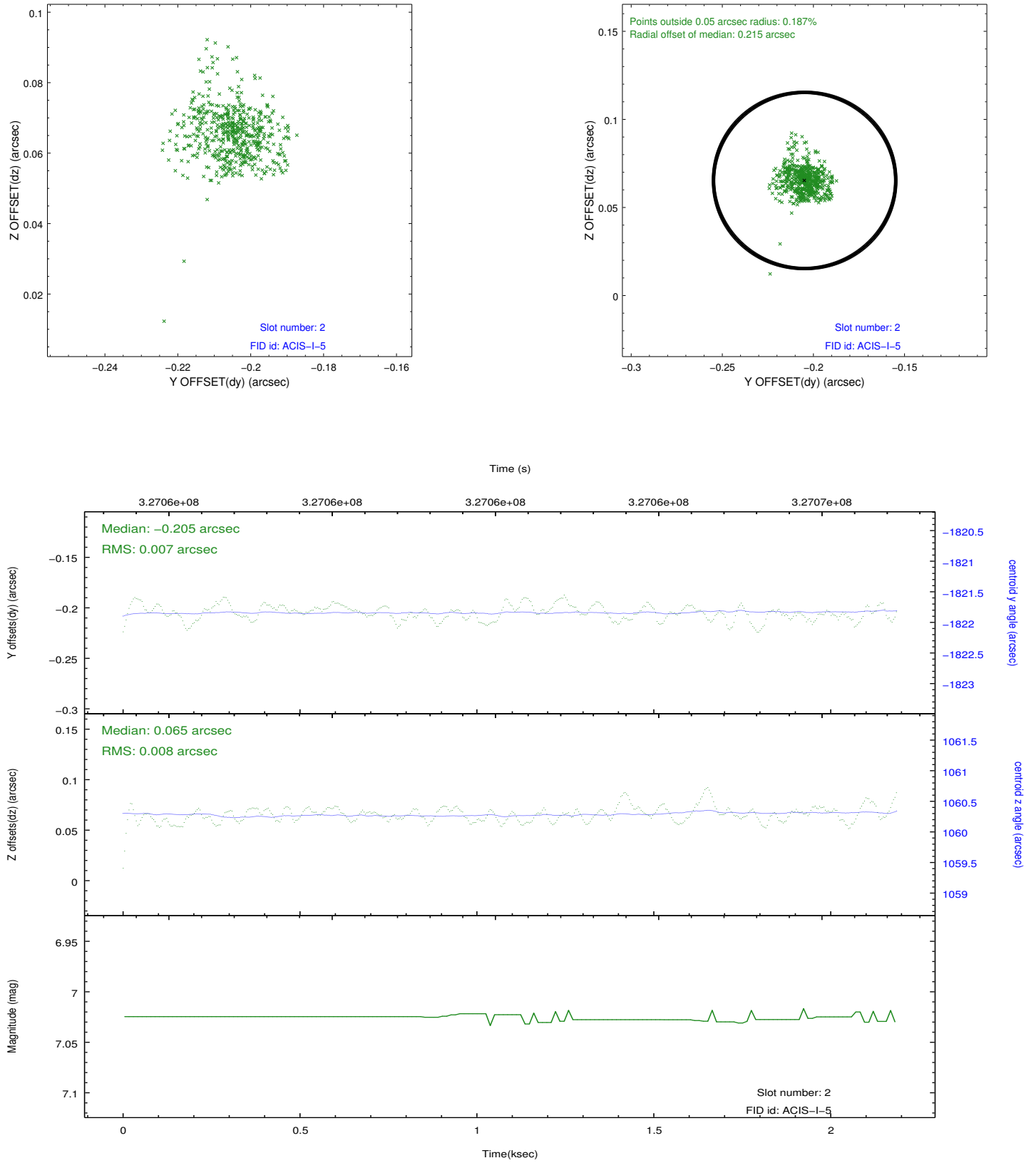
2.5.1 Slot 0



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)	2012.05.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.18550001

A.2 Comments

Joint Proposal: NOAO