

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8761 - L2 Version 2
Chandra X-Ray Center

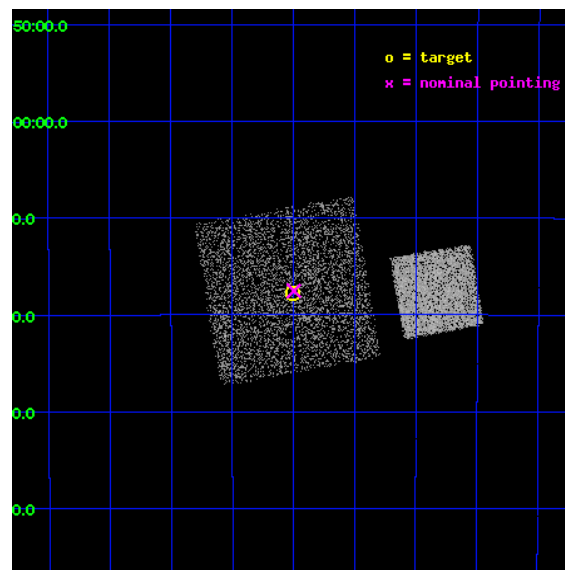
L2 Processing Date : May 14 2012

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1 Front

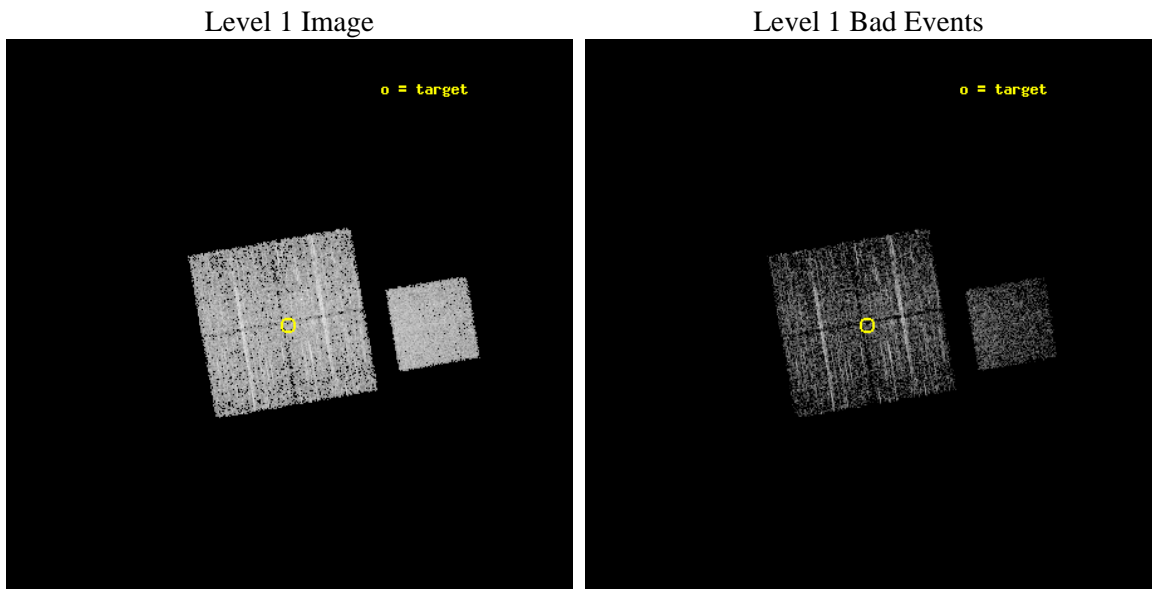
seq_num	400812	Sequence number
obs_id	8761	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.501142	Observer's specified target RA [deg]
dec_targ	-31.297069	Observer's specified target Dec [deg]
ra_nom	266.4992206476	Nominal RA [deg]
dec_nom	-31.292295868832	Nominal Dec [deg]
roll_nom	80.207709462065	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2179.2590065598	Sum of GTIs [s]
livetime	2150.785383292	Livetime [s]
ontime0	2182.4000167847	Sum of GTIs [s]
ontime1	2182.4000167847	Sum of GTIs [s]
ontime2	2182.4000167847	Sum of GTIs [s]
ontime3	2179.2590065598	Sum of GTIs [s]
ontime7	2182.4000167847	Sum of GTIs [s]
l2events	15120	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	2179.2590065598	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	2182.4000167847	Sum of GTIs [s]
date	2012-05-14T21:10:22	Date and time of file creation	ontime1	2182.4000167847	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2182.4000167847	Sum of GTIs [s]
			ontime3	2179.2590065598	Sum of GTIs [s]
			ontime7	2182.4000167847	Sum of GTIs [s]
			l1events	98232	Number of level 1 events

2.1.4 Events

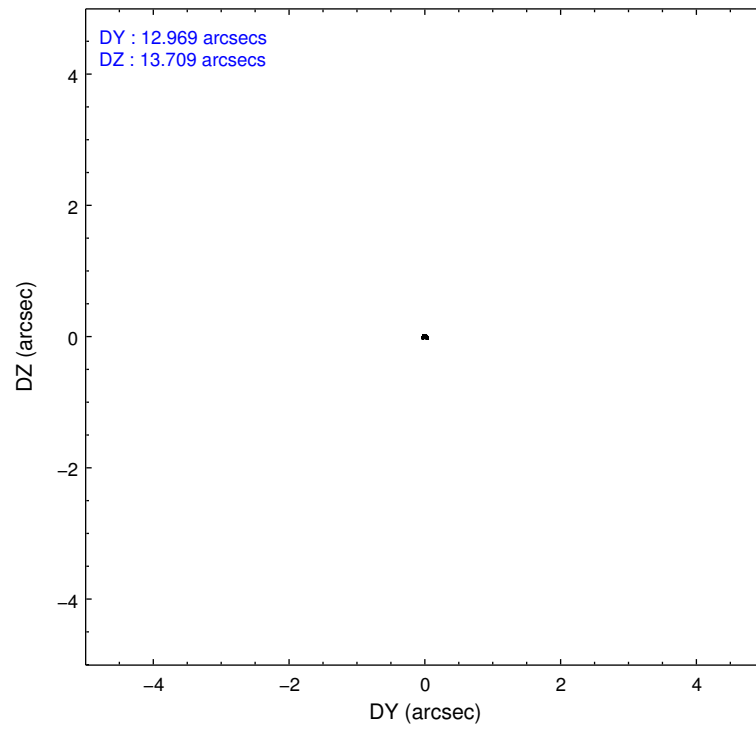
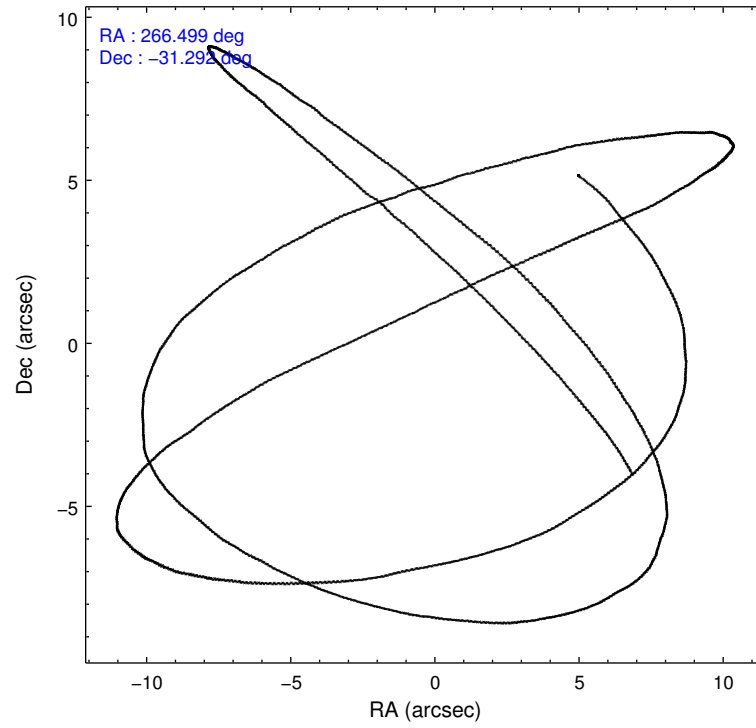
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	18193	18366	20040	19359	22274
rejected events	16289	16212	18073	17634	13334
rejected %	89%	88%	90%	91%	59%

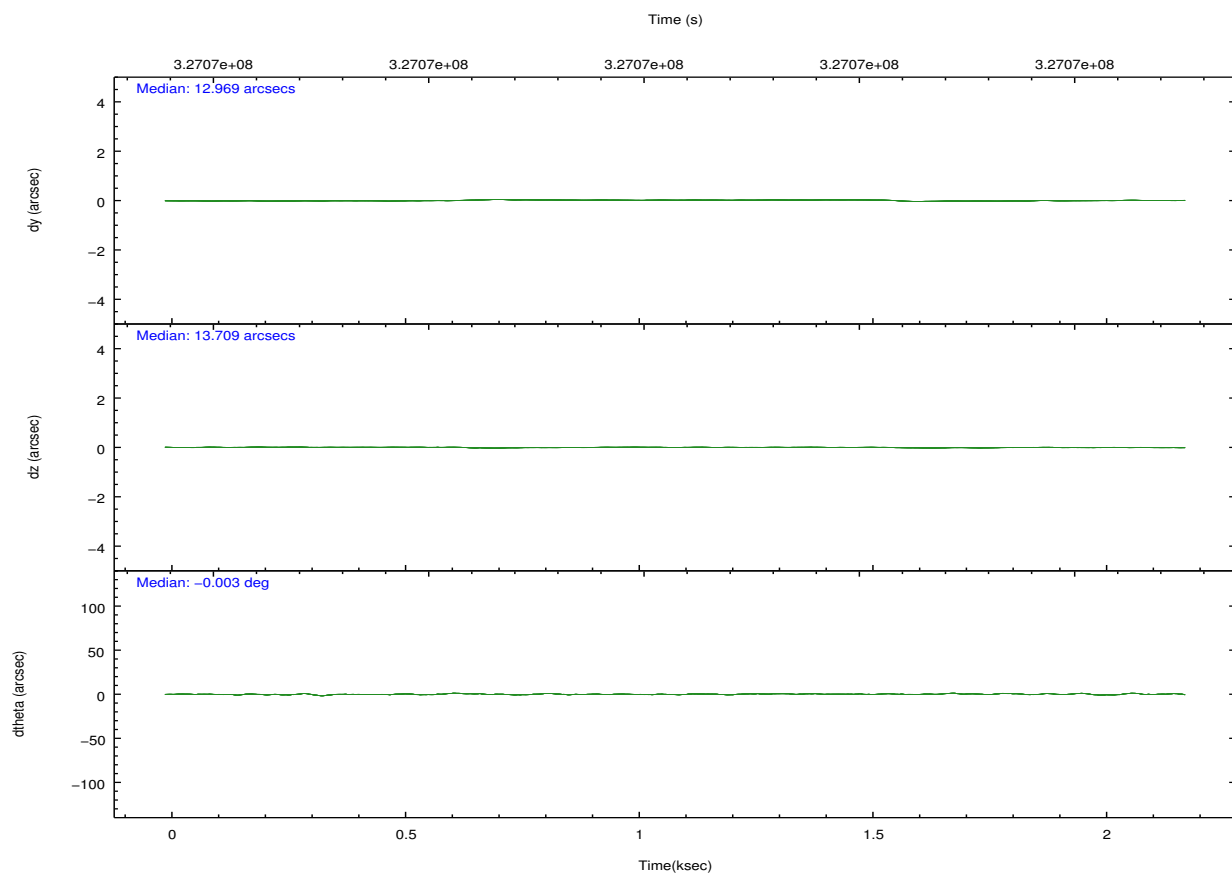
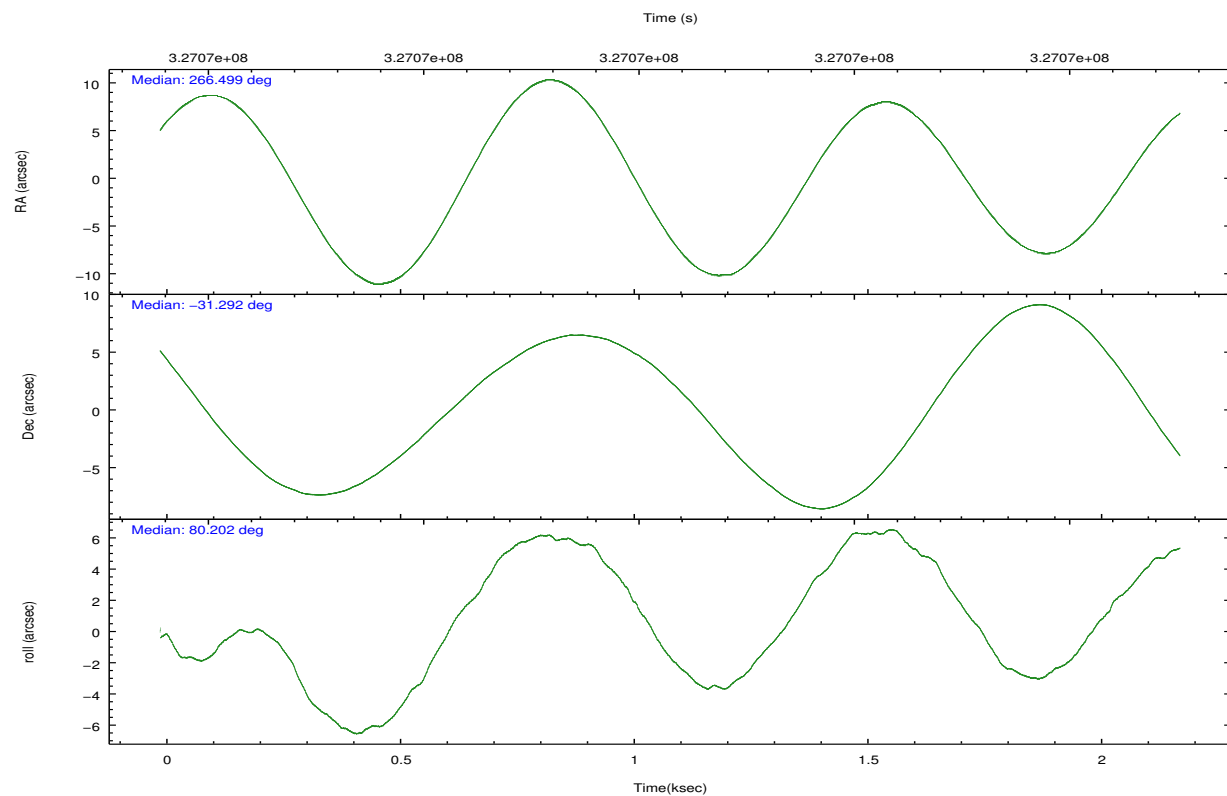
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	834	958	972	840	930
	4%	5%	4%	4%	4%
grade 1 events	17	9	19	12	34
	0%	0%	0%	0%	0%
grade 2 events	545	494	506	357	2122
	2%	2%	2%	1%	9%
grade 3 events	235	242	202	213	953
	1%	1%	1%	1%	4%
grade 4 events	202	247	218	202	948
	1%	1%	1%	1%	4%
grade 5 events	651	756	636	785	2363
	3%	4%	3%	4%	10%
grade 6 events	379	482	354	376	5329
	2%	2%	1%	1%	23%
grade 7 events	15330	15178	17133	16574	9595
	84%	82%	85%	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	266.510471	266.4992206475957	CCD I2 on	Y	Y
[deg] Pointing Dec	-31.318095	-31.29229586883211	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004848	80.20770946206514	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)	327066152.184000	327065776.26334	CCD S5 on	N	N
Observation start date	2008-05-13T11:41:27	2008-05-13T11:36:16	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327068152.184000	327068285.46346	On-chip summing requested	N	N
Observation end date	2008-05-13T12:14:47	2008-05-13T12:18:05	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



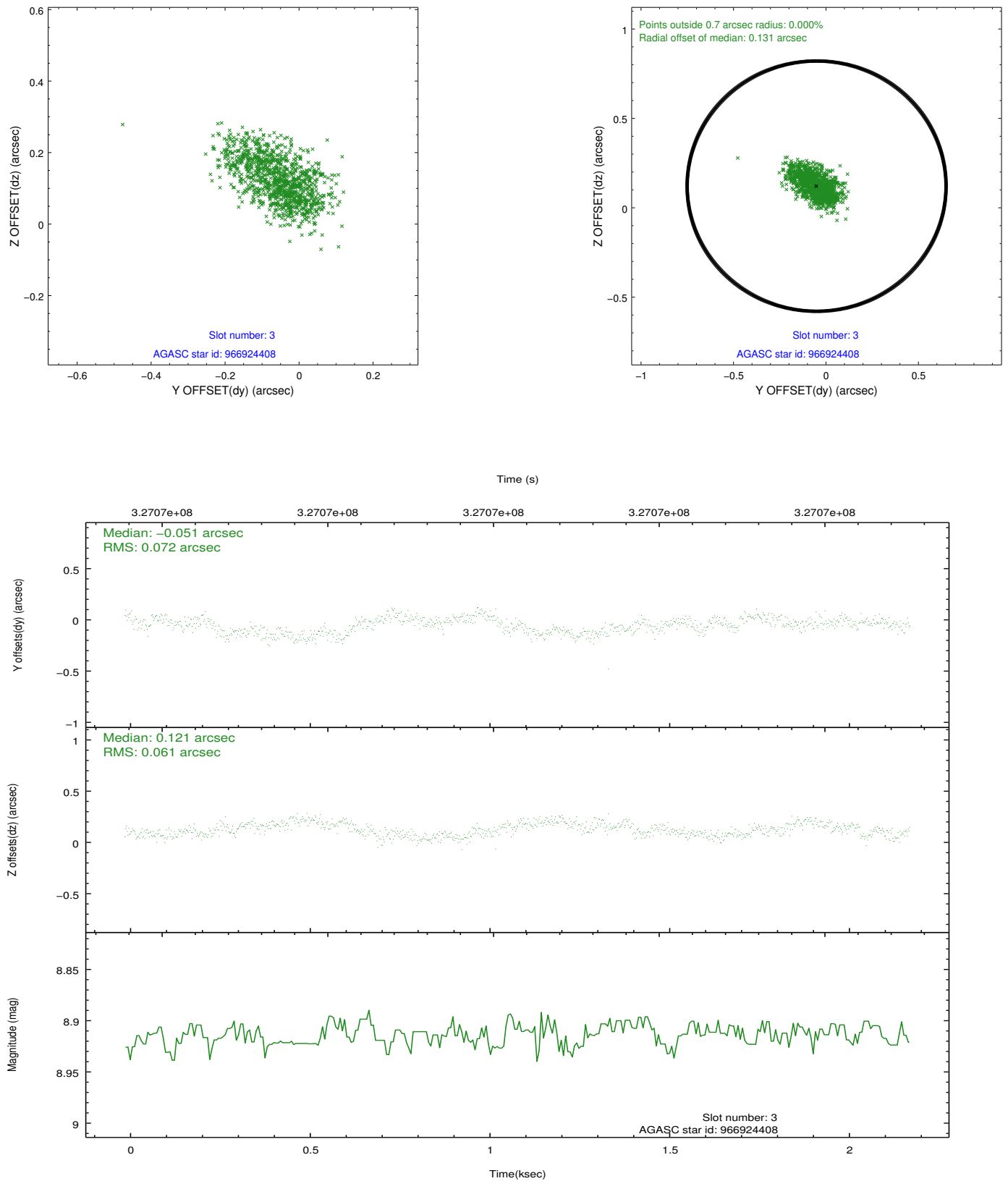


Slot Statistics

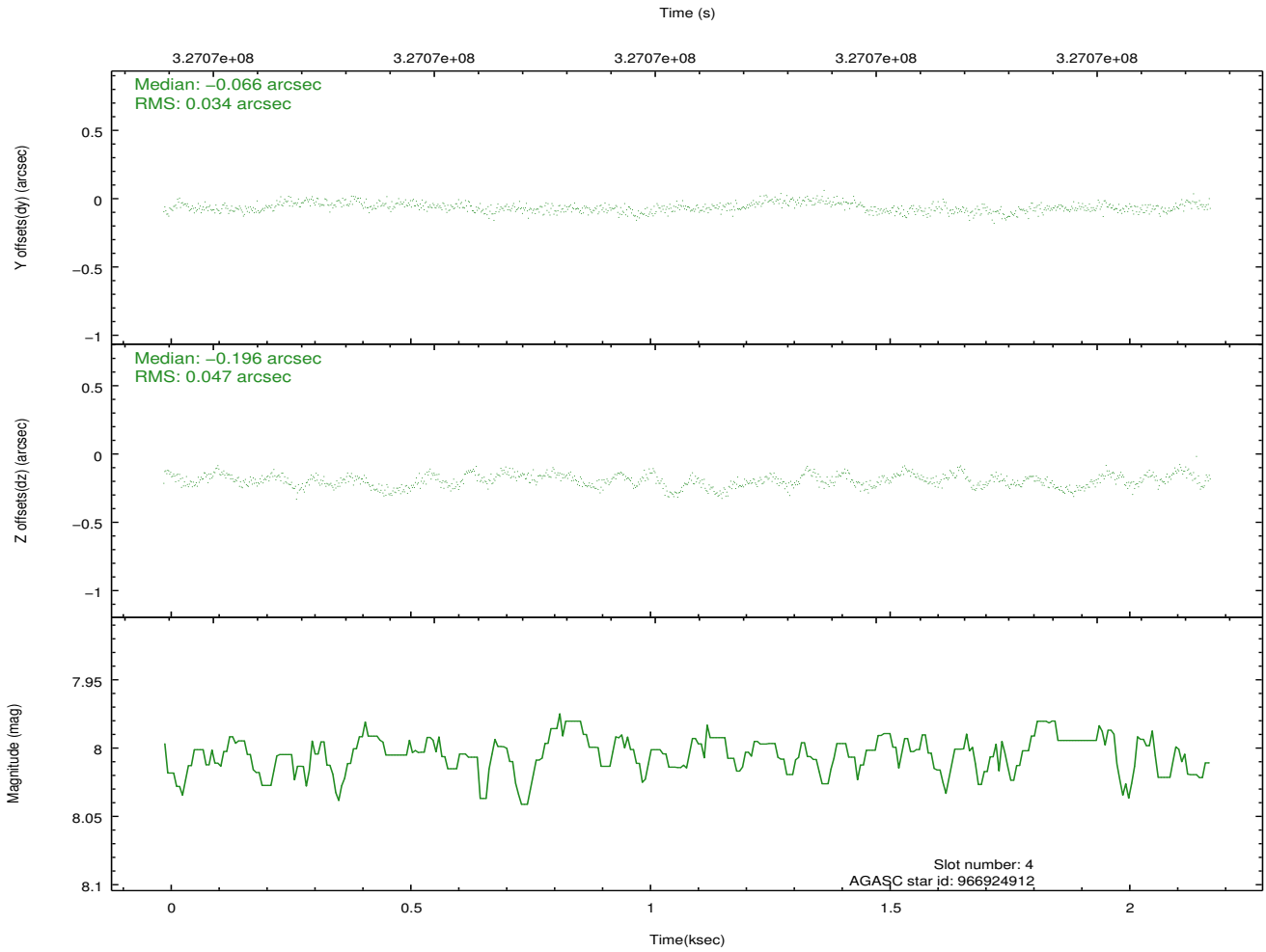
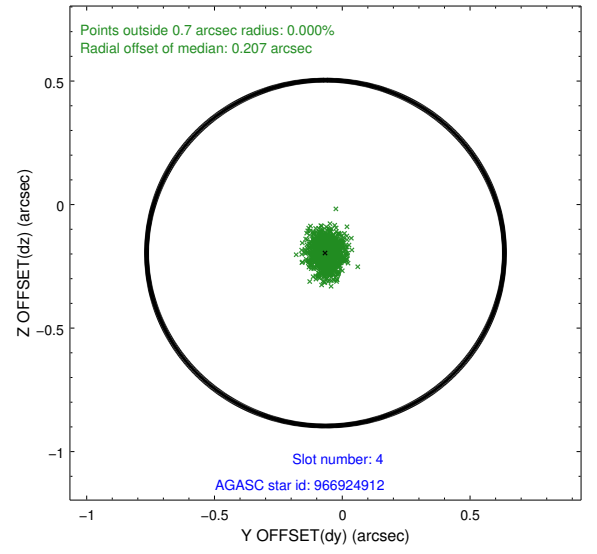
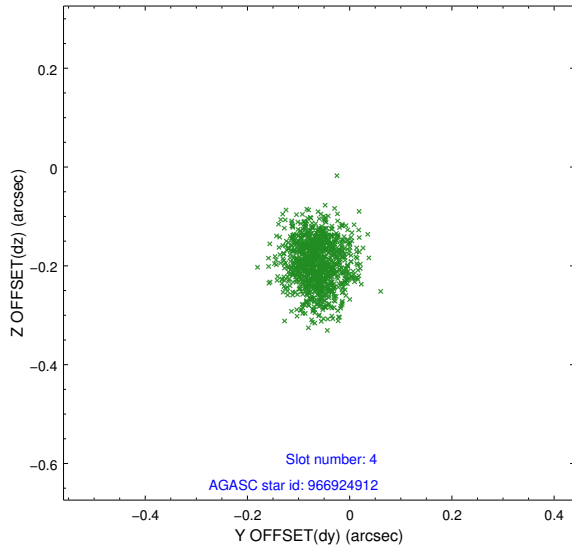
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.05	533	0.019	0.029	0.007	0.015	0.000000	0.000000	926.57	-837.23
1	FID	ACIS-I-5	7.03	533	-0.183	0.037	0.007	0.013	0.000000	0.000000	-1820.11	1058.74
2	FID	ACIS-I-6	7.04	533	0.073	0.004	0.007	0.013	0.000000	0.000000	388.90	1706.62
3	GUIDE	966924408	8.91	1066	-0.051	0.121	0.100	0.165	266.982893	-30.897884	1740.30	-1174.81
4	GUIDE	966924912	8.00	1066	-0.066	-0.196	0.062	0.098	266.020014	-31.275150	-111.37	1511.21
5	GUIDE	966925512	8.26	1066	-0.095	-0.208	0.073	0.122	266.373606	-31.056700	853.03	580.41
6	GUIDE	967450832	9.10	1064	0.247	0.004	0.070	0.115	266.078096	-31.879979	-2222.94	950.64
7	GUIDE	966927000	8.17	1064	-0.034	0.278	0.073	0.125	267.318997	-31.255021	644.86	-2411.31

2.4 Star Slots

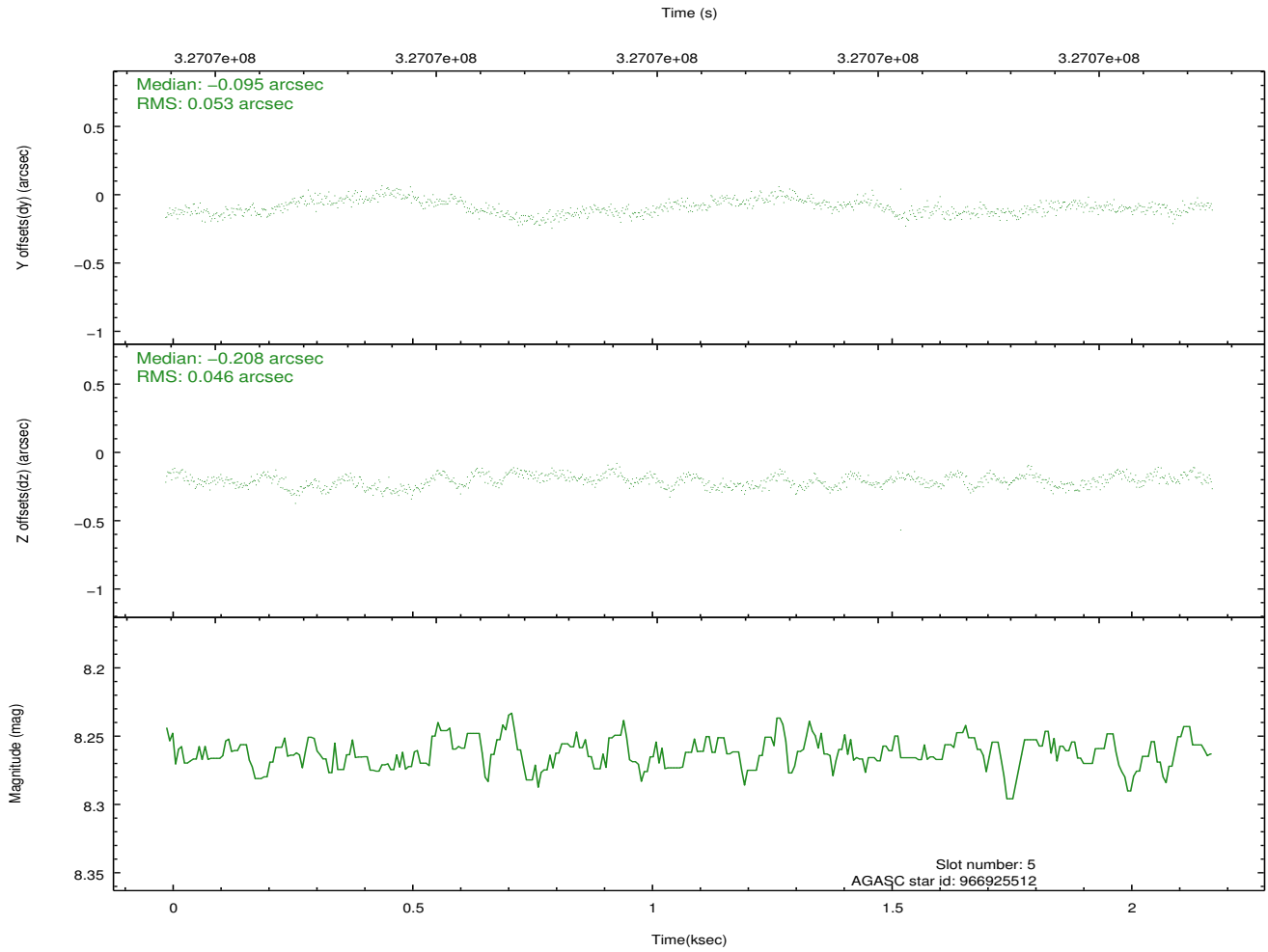
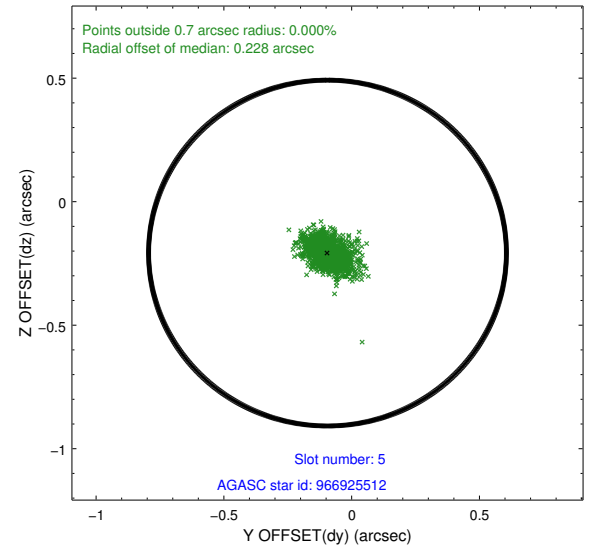
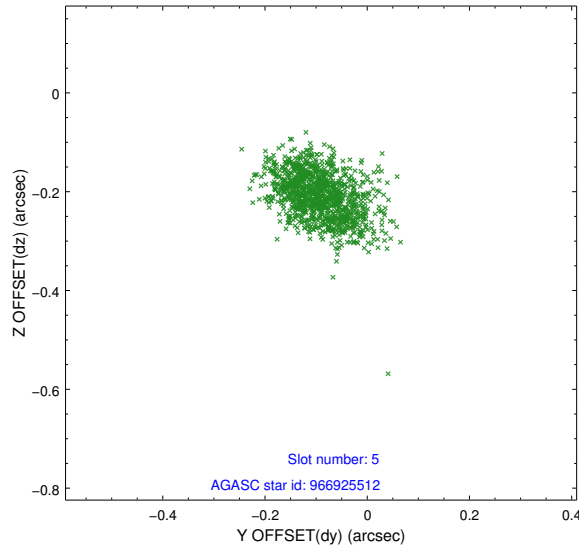
2.4.1 Slot 3



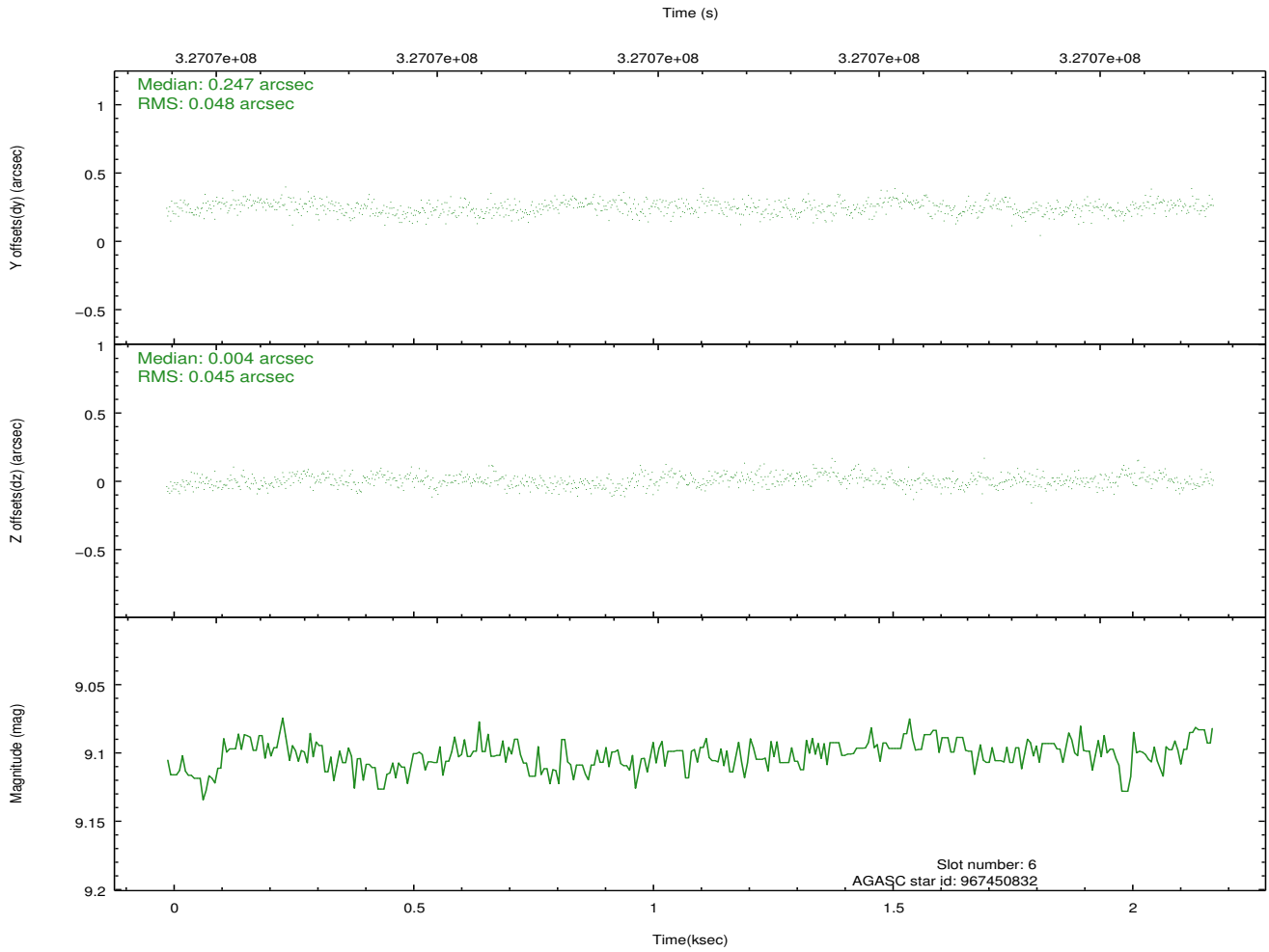
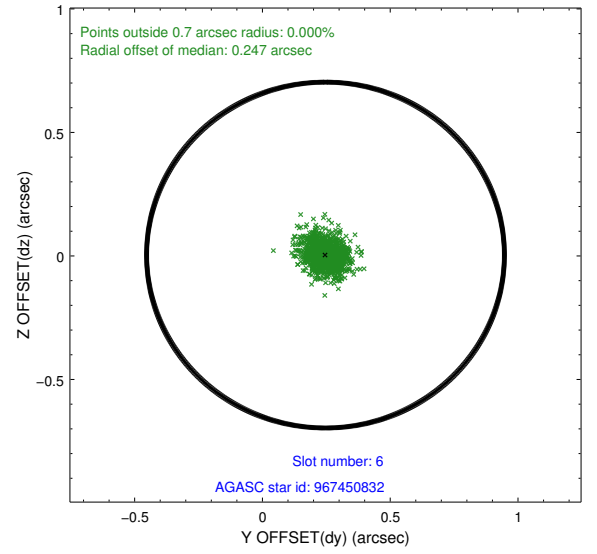
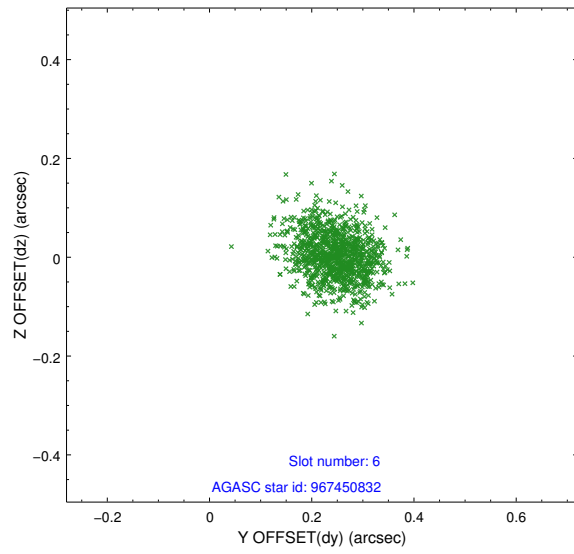
2.4.2 Slot 4



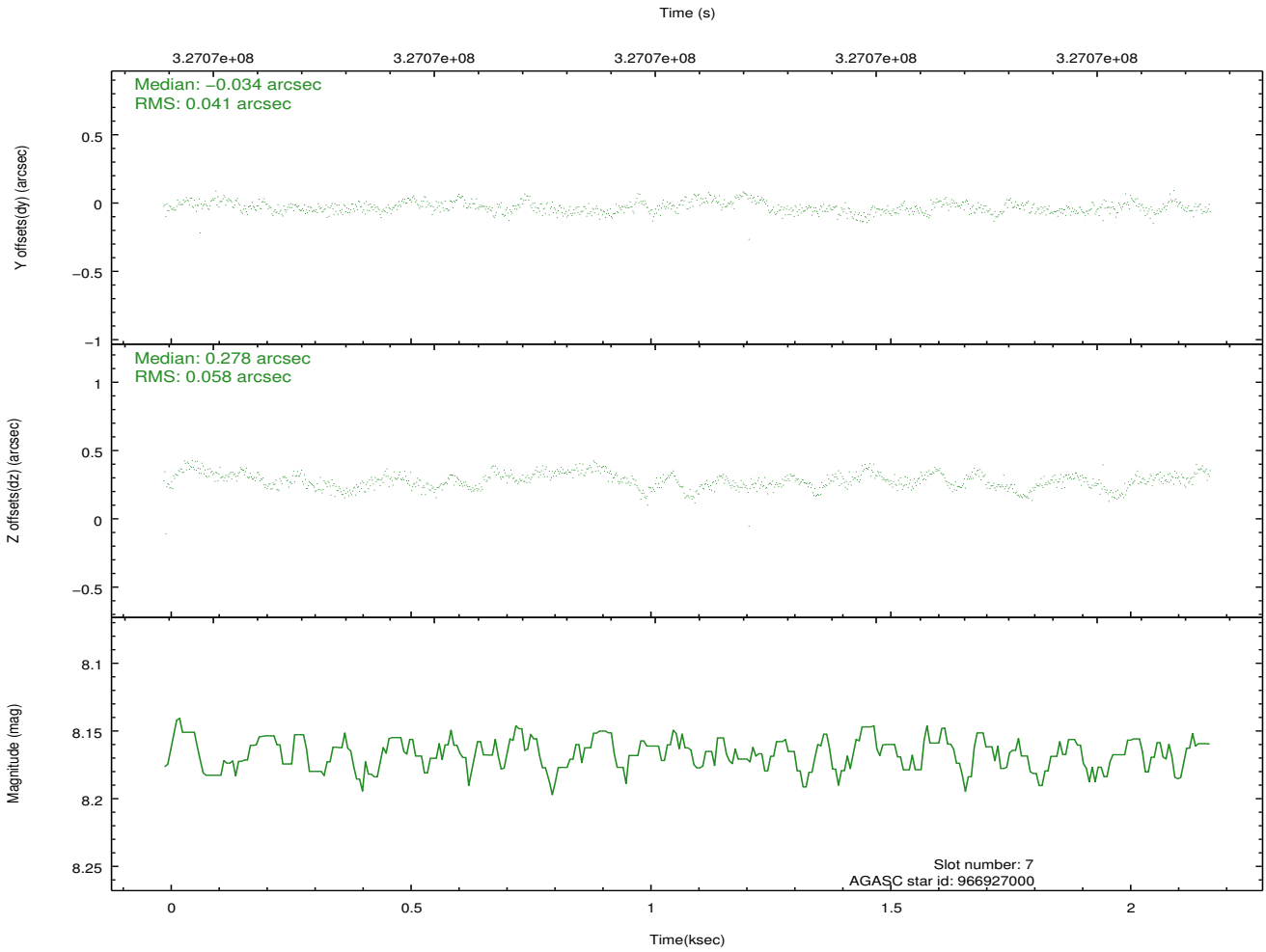
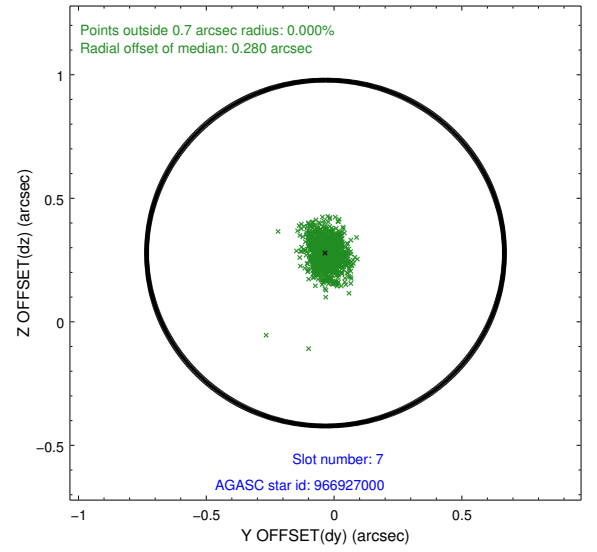
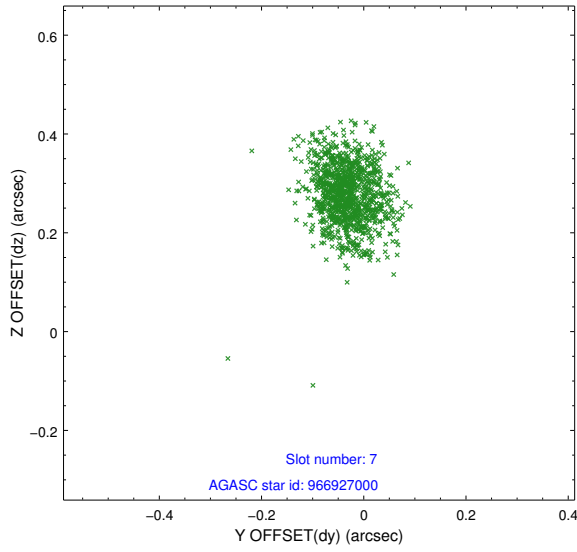
2.4.3 Slot 5



2.4.4 Slot 6

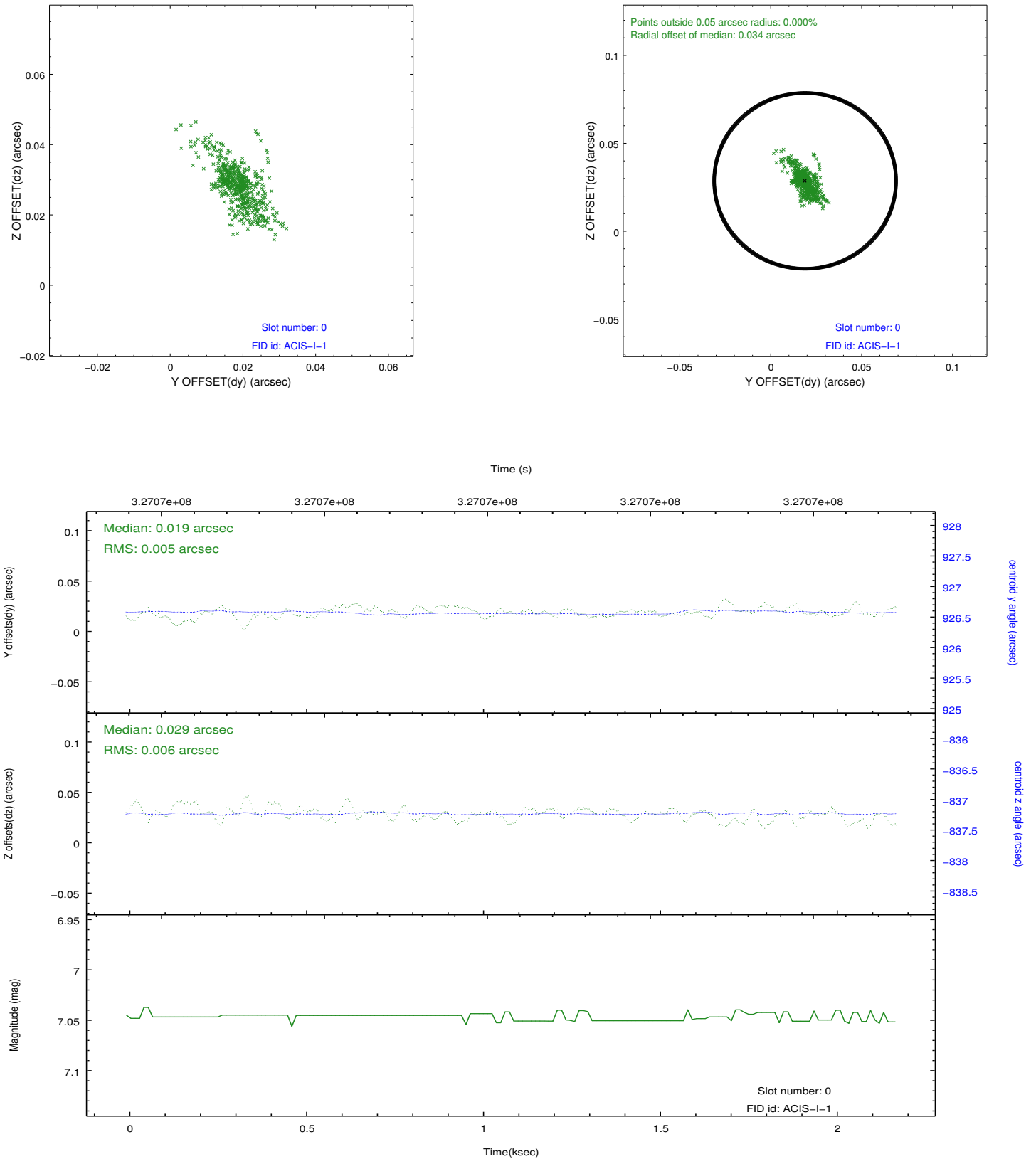


2.4.5 Slot 7

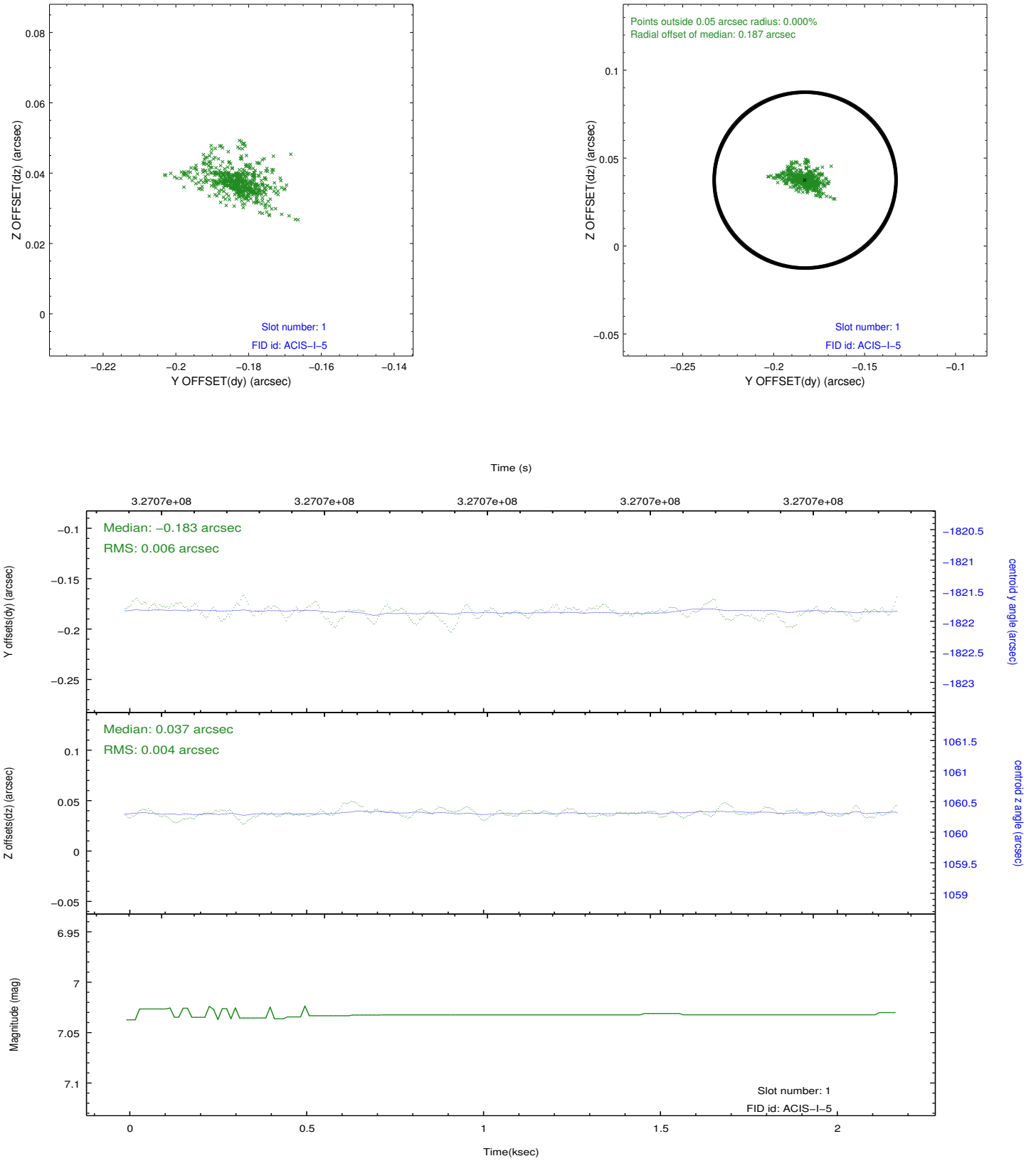


2.5 FID Slots

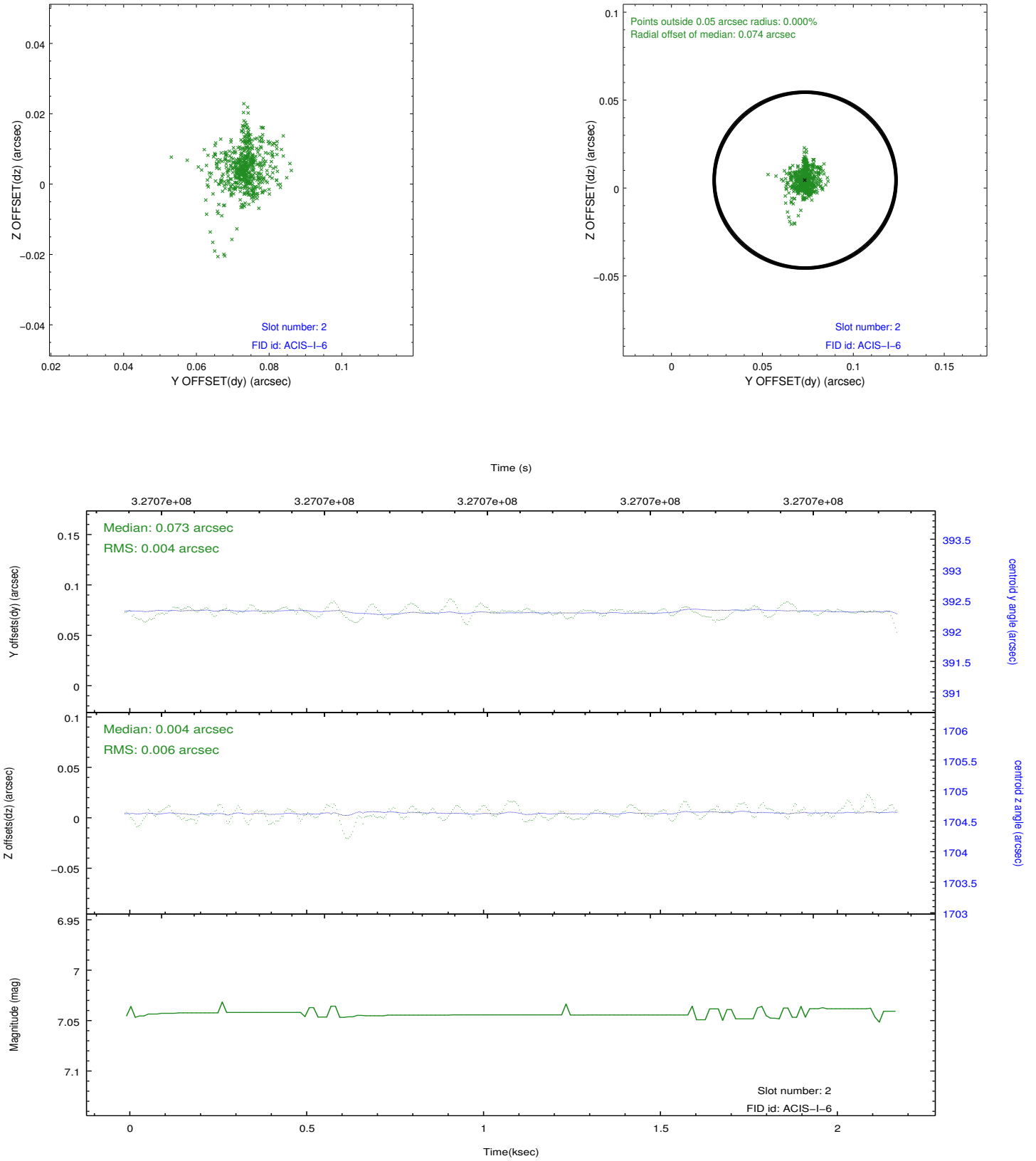
2.5.1 Slot 0



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	2.179259

A.2 Comments

Joint Proposal: NOAO