

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8768 - L2 Version 2
Chandra X-Ray Center

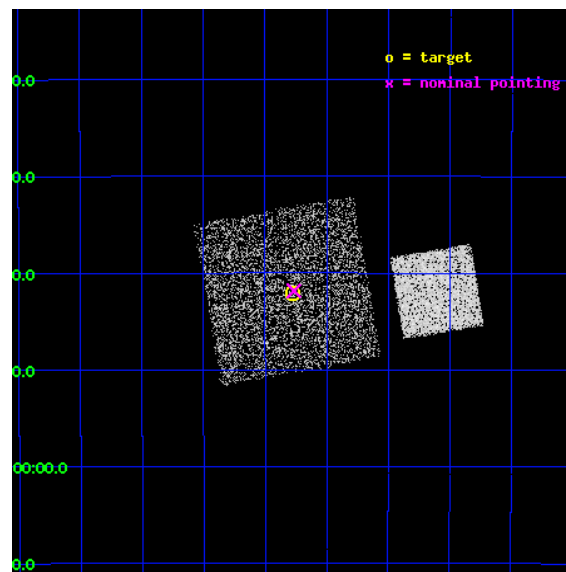
L2 Processing Date : May 14 2012

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1 Front

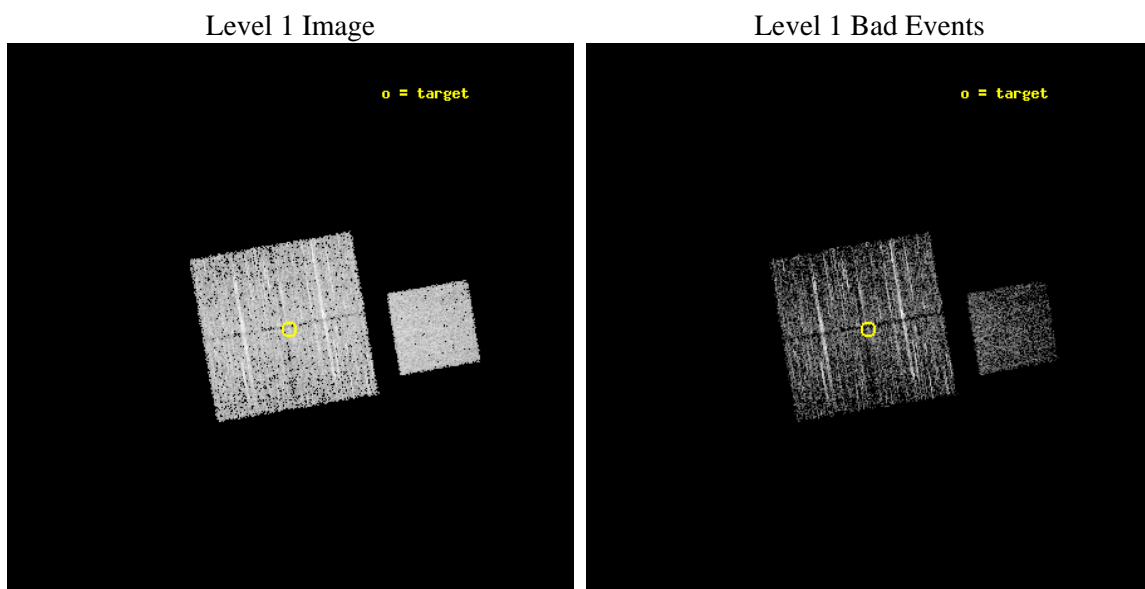
seq_num	400819	Sequence number
obs_id	8768	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	267.19346	Observer's specified target RA [deg]
dec_targ	-30.702219	Observer's specified target Dec [deg]
ra_nom	267.19151959871	Nominal RA [deg]
dec_nom	-30.697427293883	Nominal Dec [deg]
roll_nom	80.207715739268	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	16024	Number of level 2 events



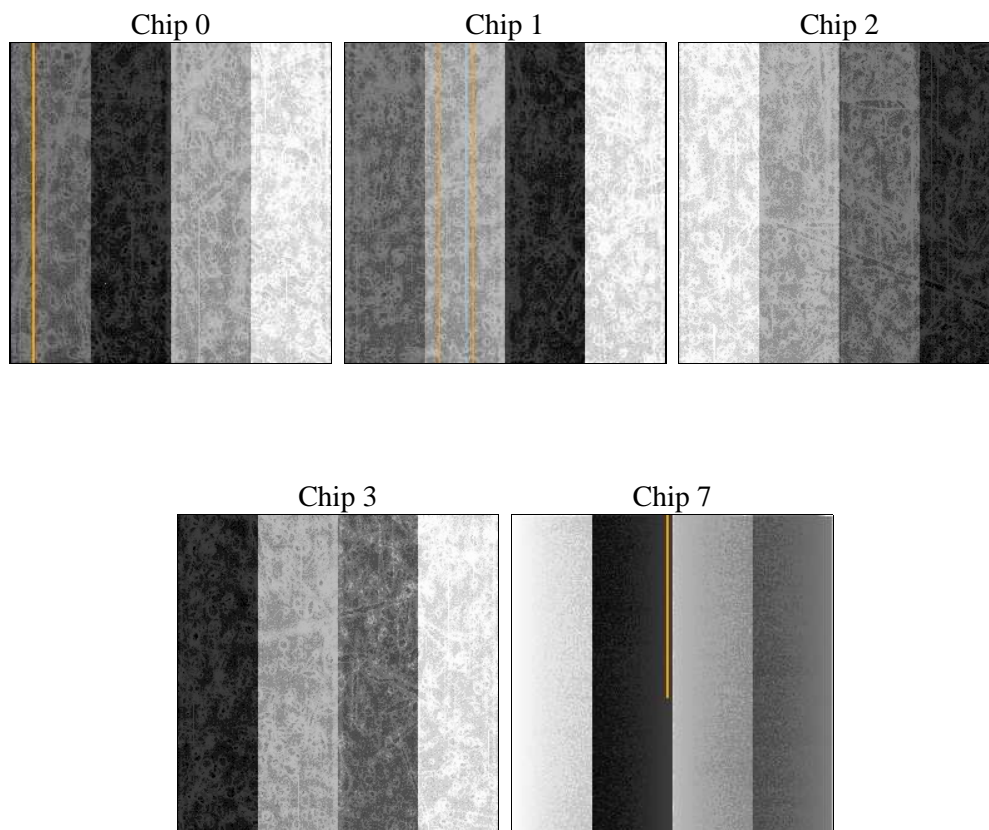
2 OBI

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	2185.5000168085	Sum of GTIs [s]
date	2012-05-14T21:10:23	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	101864	Number of level 1 events

2.1.4 Events

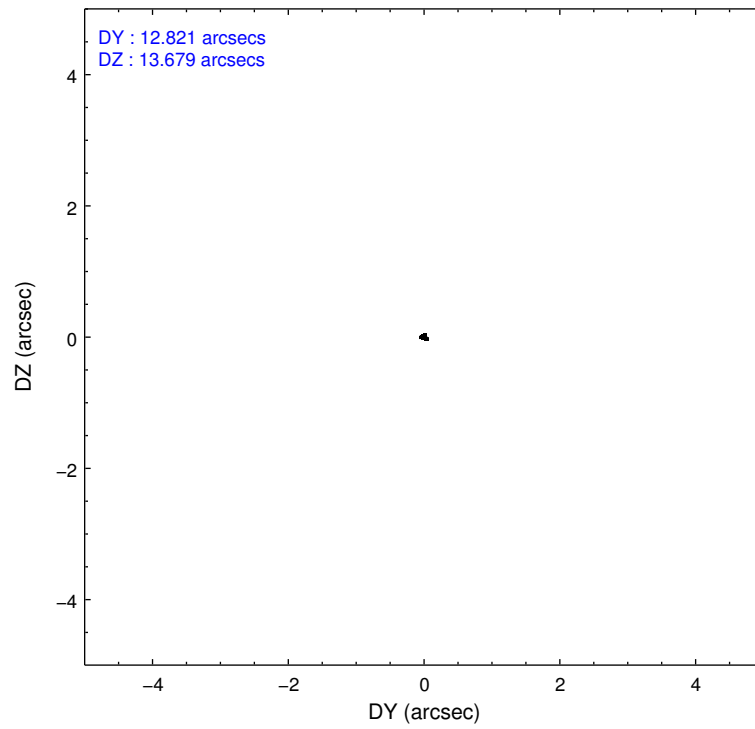
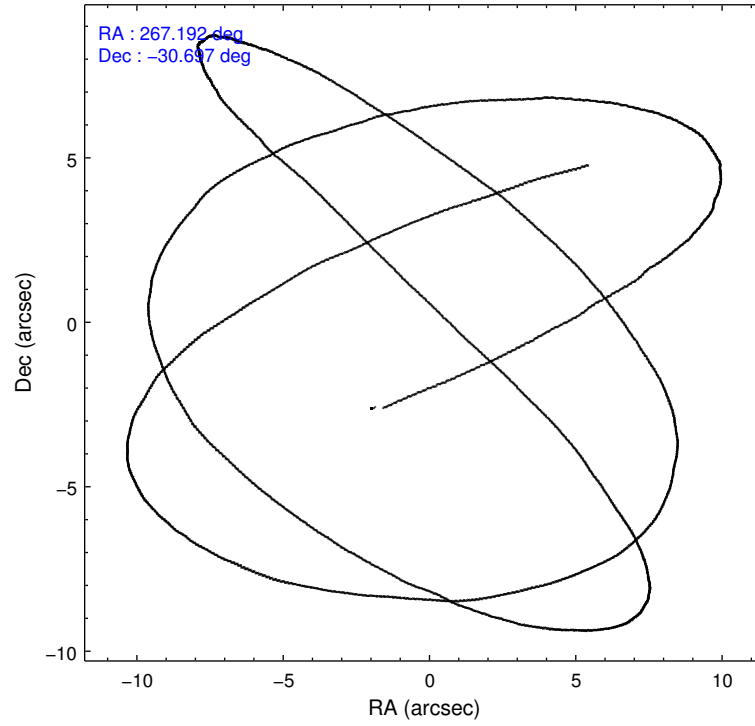
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	19046	18350	21593	20103	22772
rejected events	16955	16175	19552	18172	13420
rejected %	89%	88%	90%	90%	58%

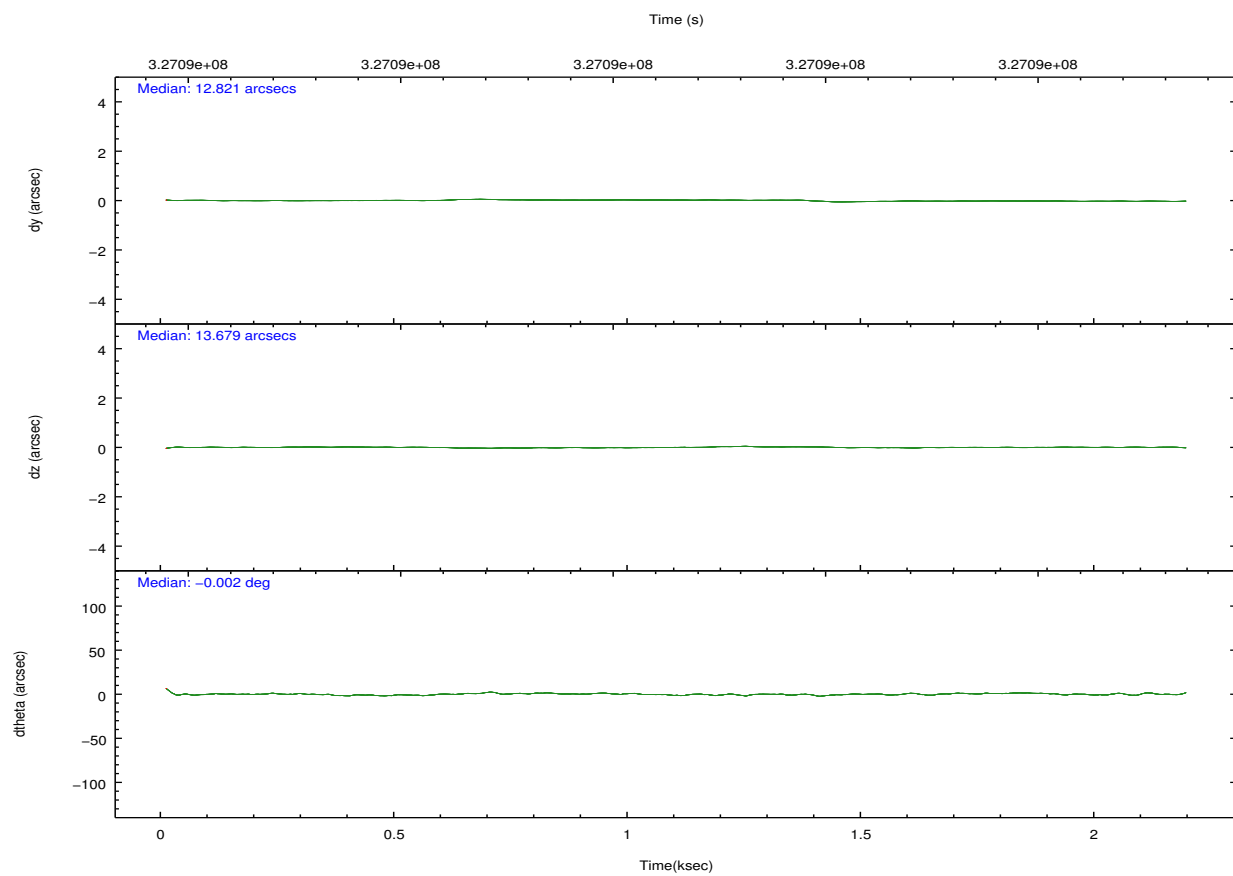
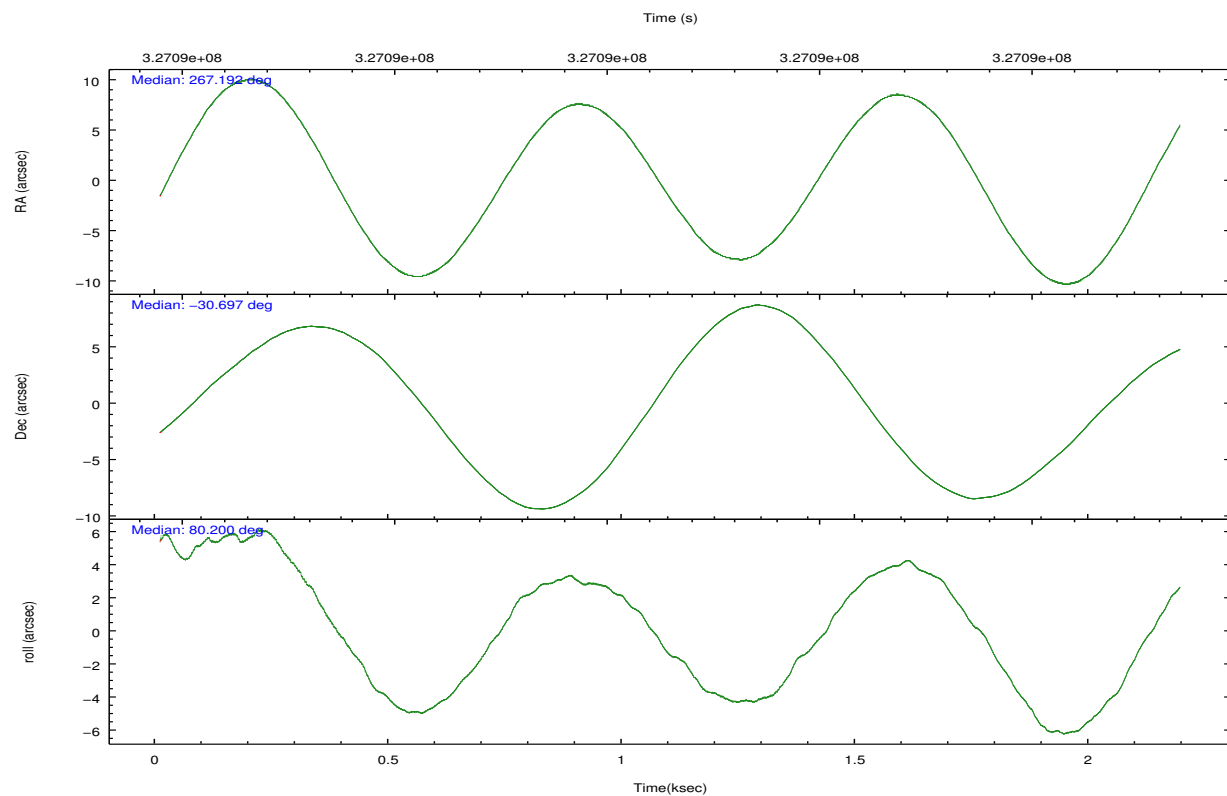
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	1029	981	984	880	1049
	5%	5%	4%	4%	4%
grade 1 events	11	8	12	14	30
	0%	0%	0%	0%	0%
grade 2 events	531	539	480	479	2157
	2%	2%	2%	2%	9%
grade 3 events	228	257	265	278	960
	1%	1%	1%	1%	4%
grade 4 events	246	229	224	220	1006
	1%	1%	1%	1%	4%
grade 5 events	706	799	694	765	2277
	3%	4%	3%	3%	9%
grade 6 events	372	472	378	343	5432
	1%	2%	1%	1%	23%
grade 7 events	15923	15065	18556	17124	9861
	83%	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	267.202732	267.1915195987078	CCD I2 on	Y	Y
[deg] Pointing Dec	-30.723261	-30.69742729388268	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004737	80.20771573926788	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)	327088742.184000	327088365.72694	CCD S5 on	N	N
Observation start date	2008-05-13T17:57:57	2008-05-13T17:52:45	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327090742.184000	327090875.43956	On-chip summing requested	N	N
Observation end date	2008-05-13T18:31:17	2008-05-13T18:34:35	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



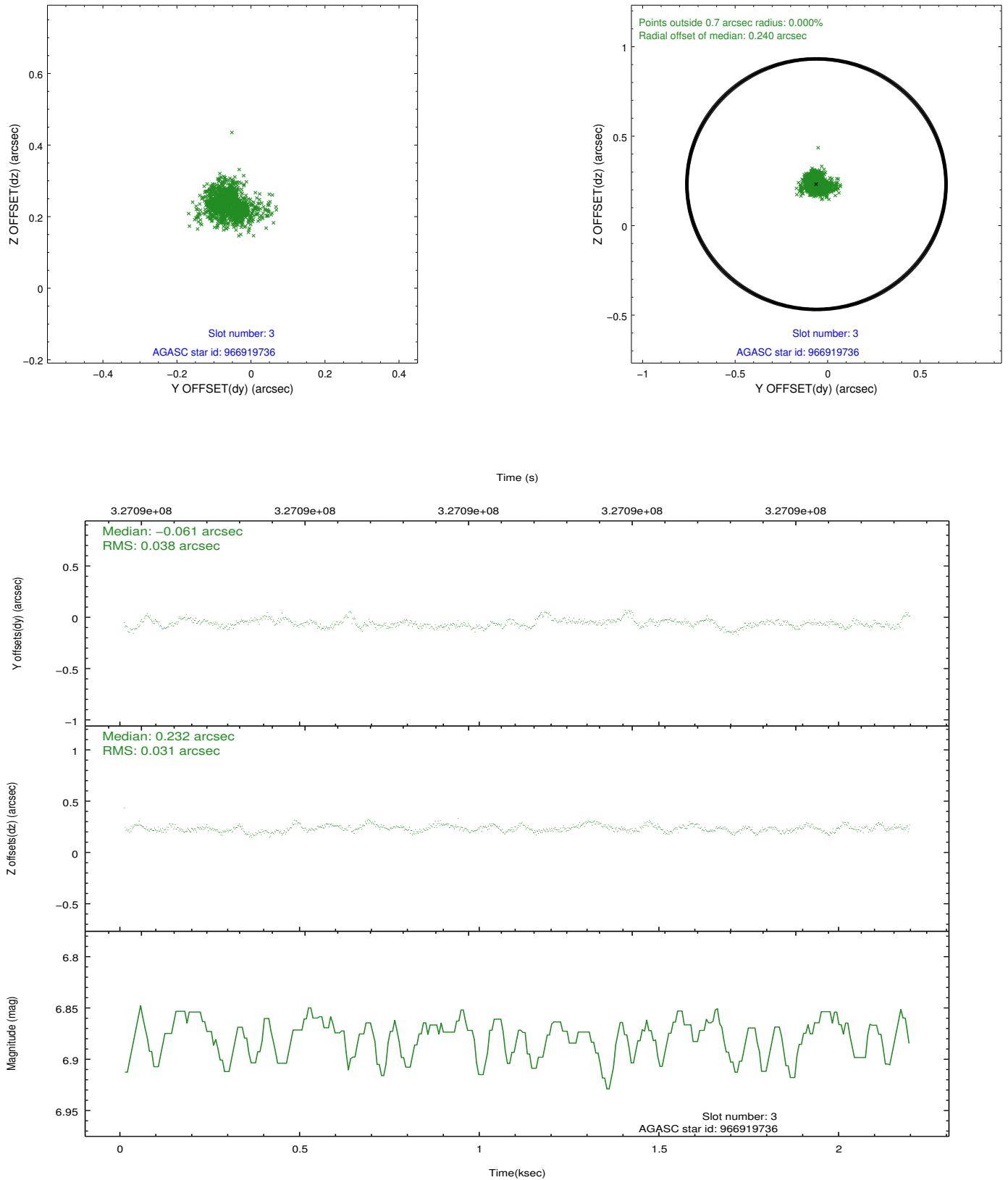


Slot Statistics

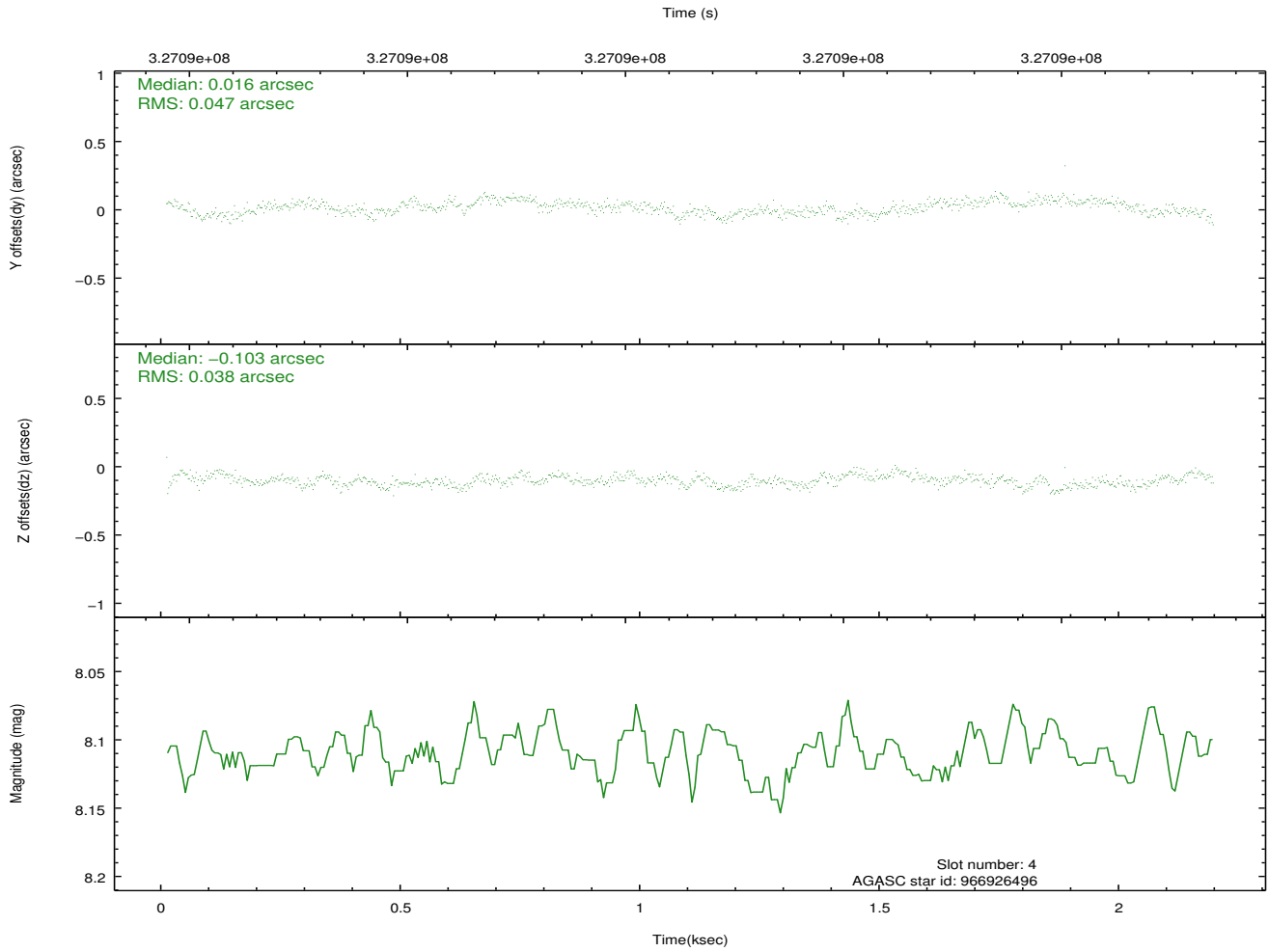
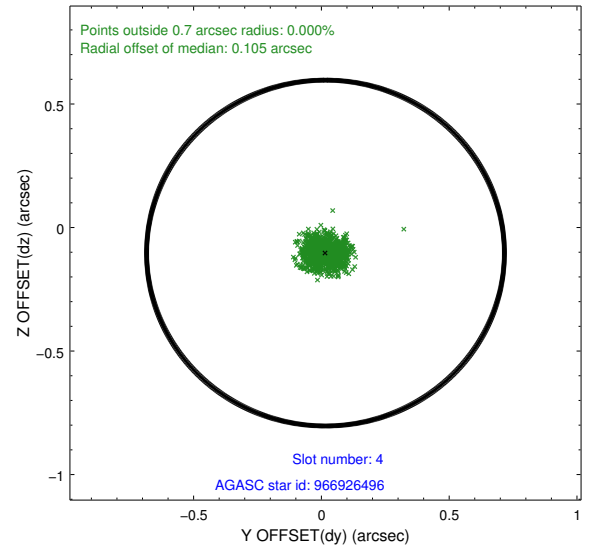
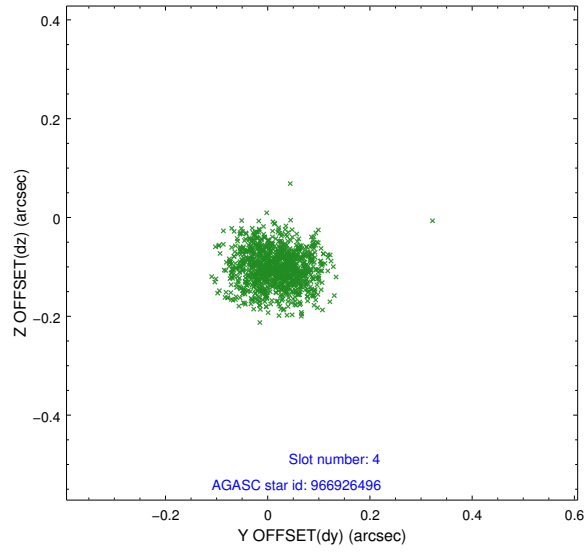
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.05	534	-0.025	0.088	0.009	0.014	0.000000	0.000000	926.68	-837.15
1	FID	ACIS-I-2	6.96	534	-0.087	-0.061	0.010	0.014	0.000000	0.000000	-765.82	-845.24
2	FID	ACIS-I-6	7.05	534	0.021	0.041	0.007	0.014	0.000000	0.000000	390.99	1703.11
3	GUIDE	966919736	6.88	1067	-0.061	0.232	0.051	0.088	267.322278	-30.597445	509.76	-286.43
4	GUIDE	966926496	8.11	1067	0.016	-0.103	0.065	0.098	267.109389	-30.299474	1452.15	550.72
5	GUIDE	967059168	8.43	1067	-0.038	0.369	0.067	0.100	267.755631	-31.226839	-1492.68	-1990.91
6	GUIDE	966923376	8.74	1067	0.036	-0.247	0.072	0.115	266.333558	-31.111316	-1852.92	2391.79
7	GUIDE	966925512	8.29	1066	0.044	-0.252	0.057	0.095	266.373606	-31.056700	-1637.62	2310.11

2.4 Star Slots

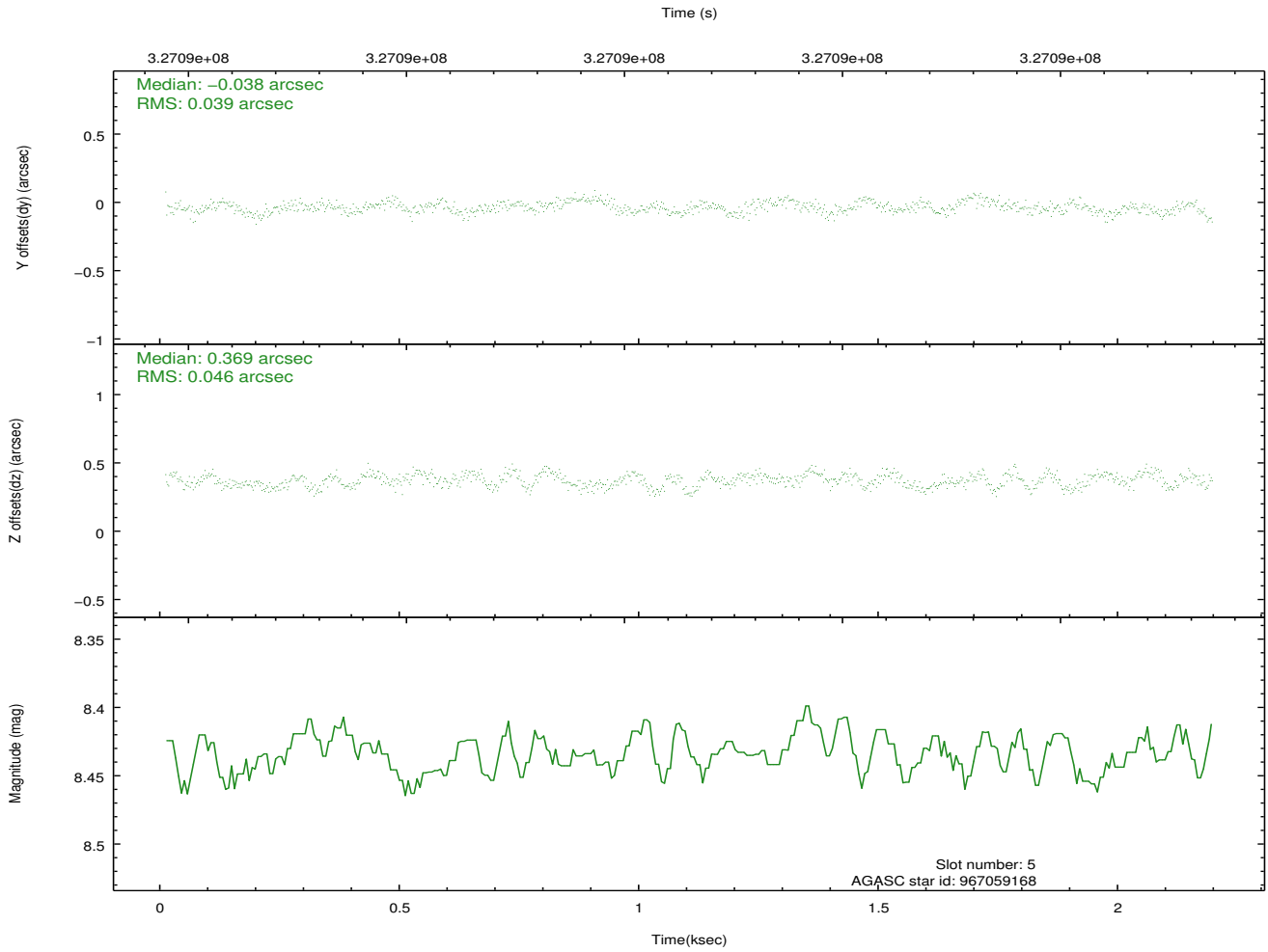
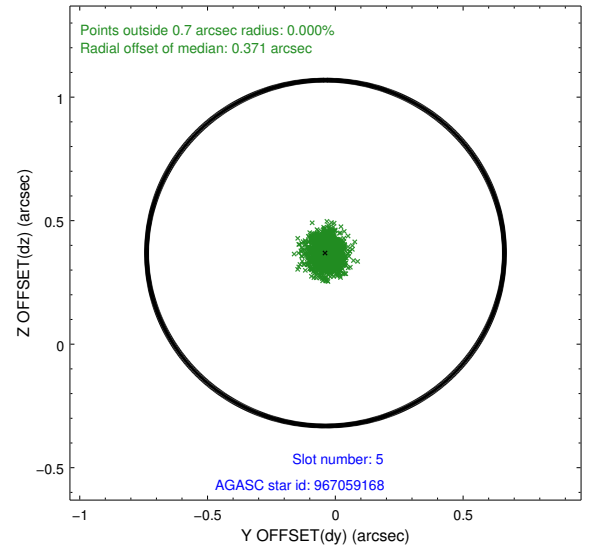
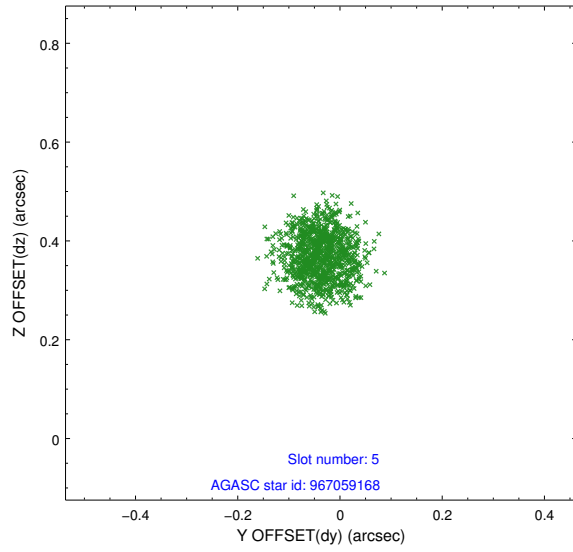
2.4.1 Slot 3



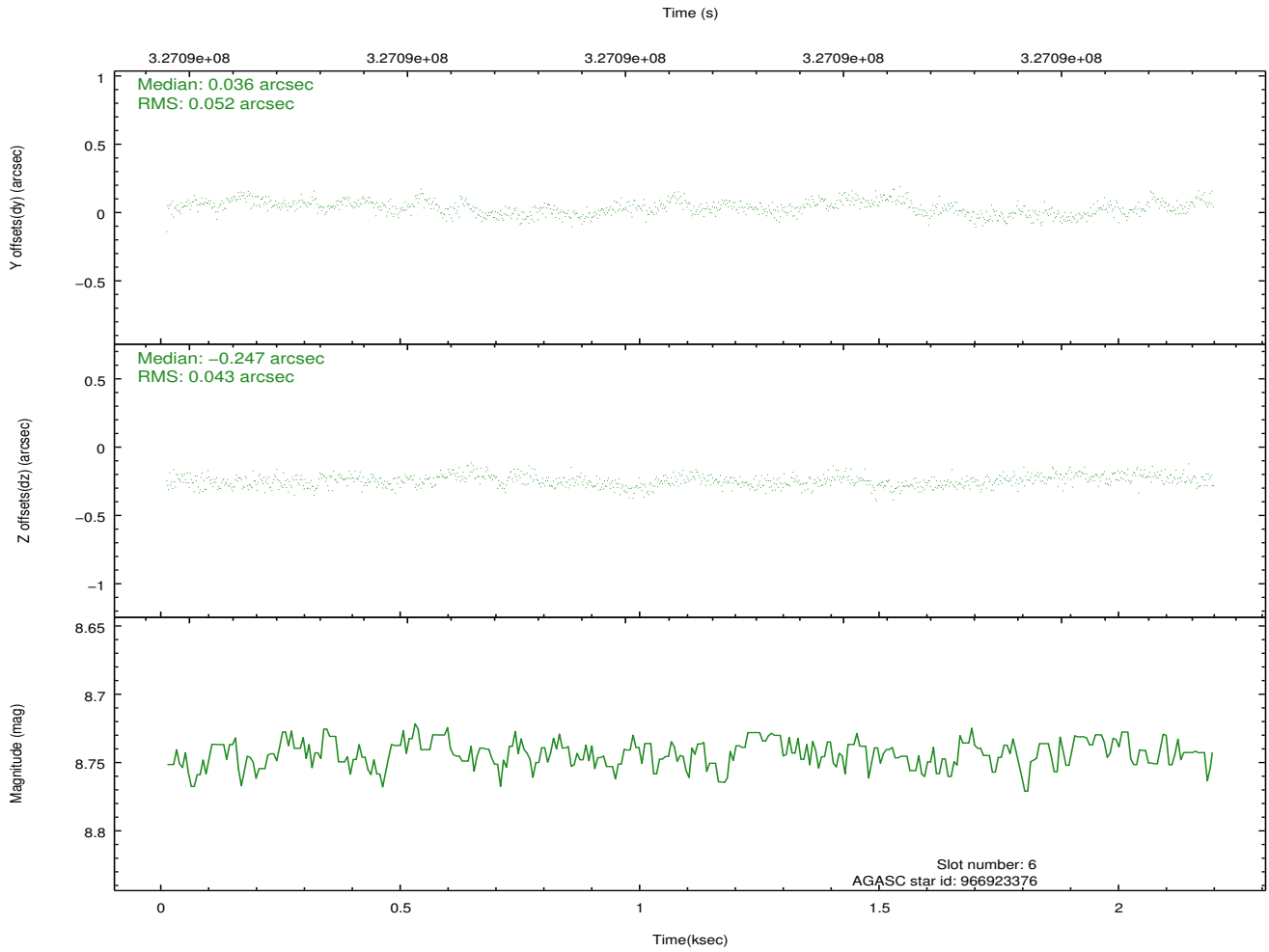
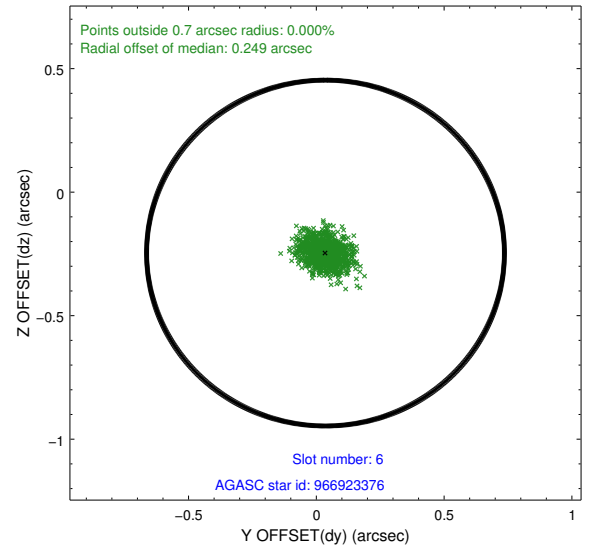
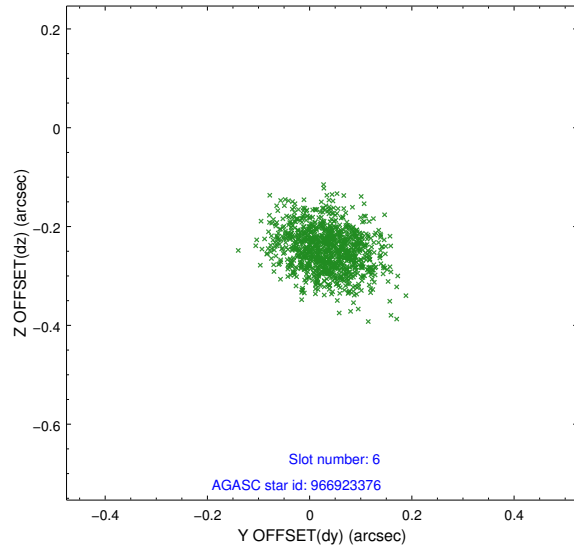
2.4.2 Slot 4



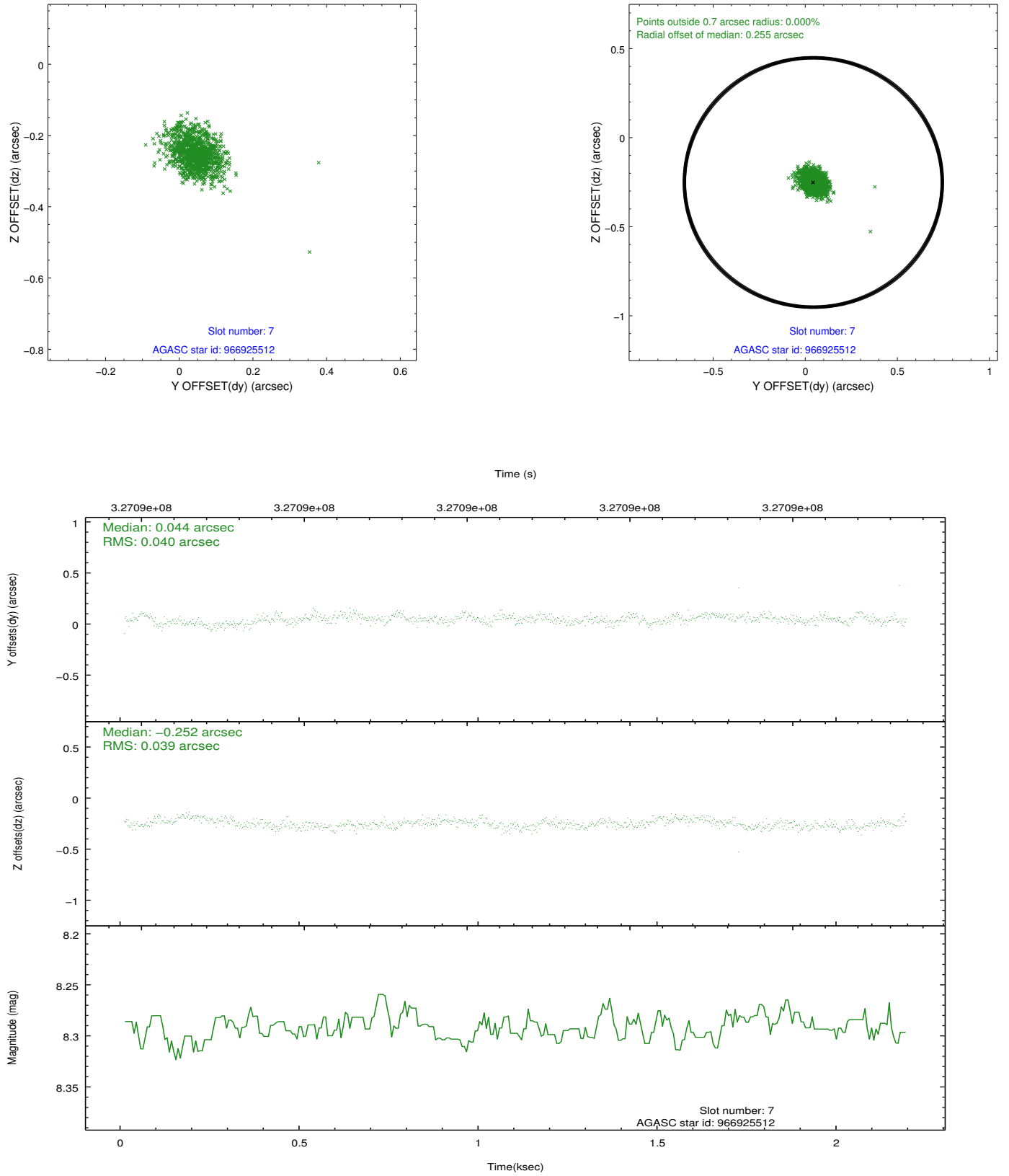
2.4.3 Slot 5



2.4.4 Slot 6

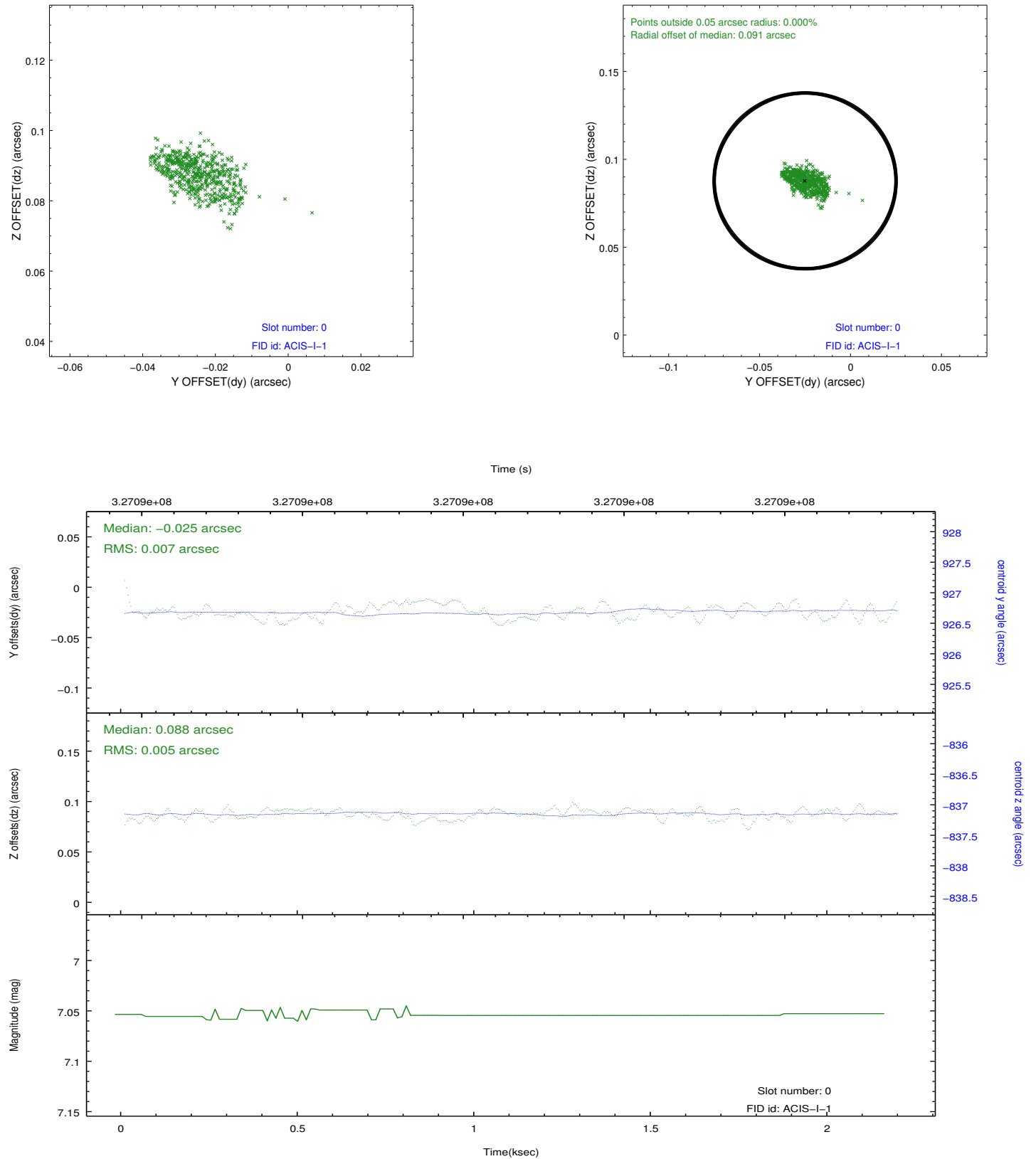


2.4.5 Slot 7

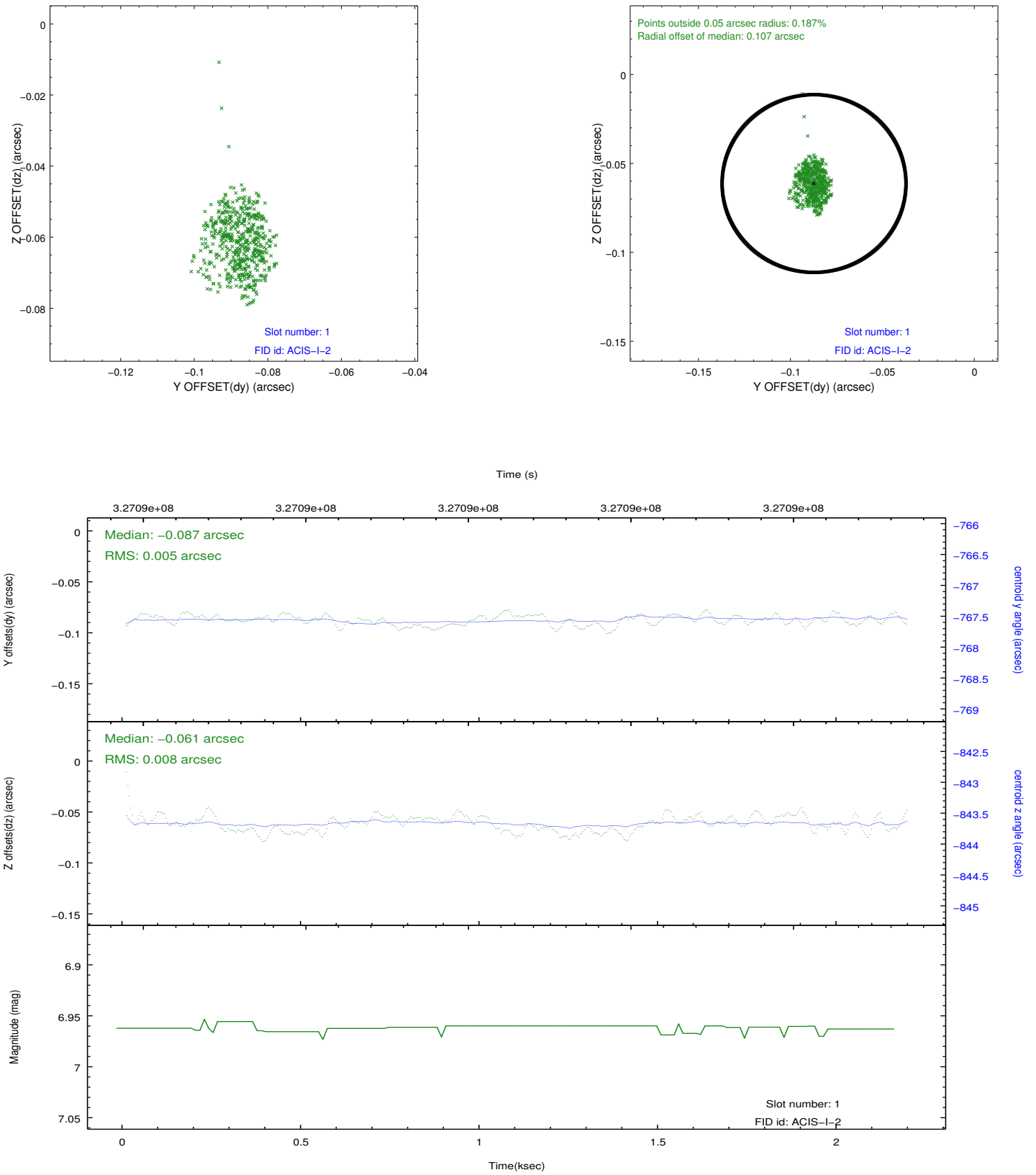


2.5 FID Slots

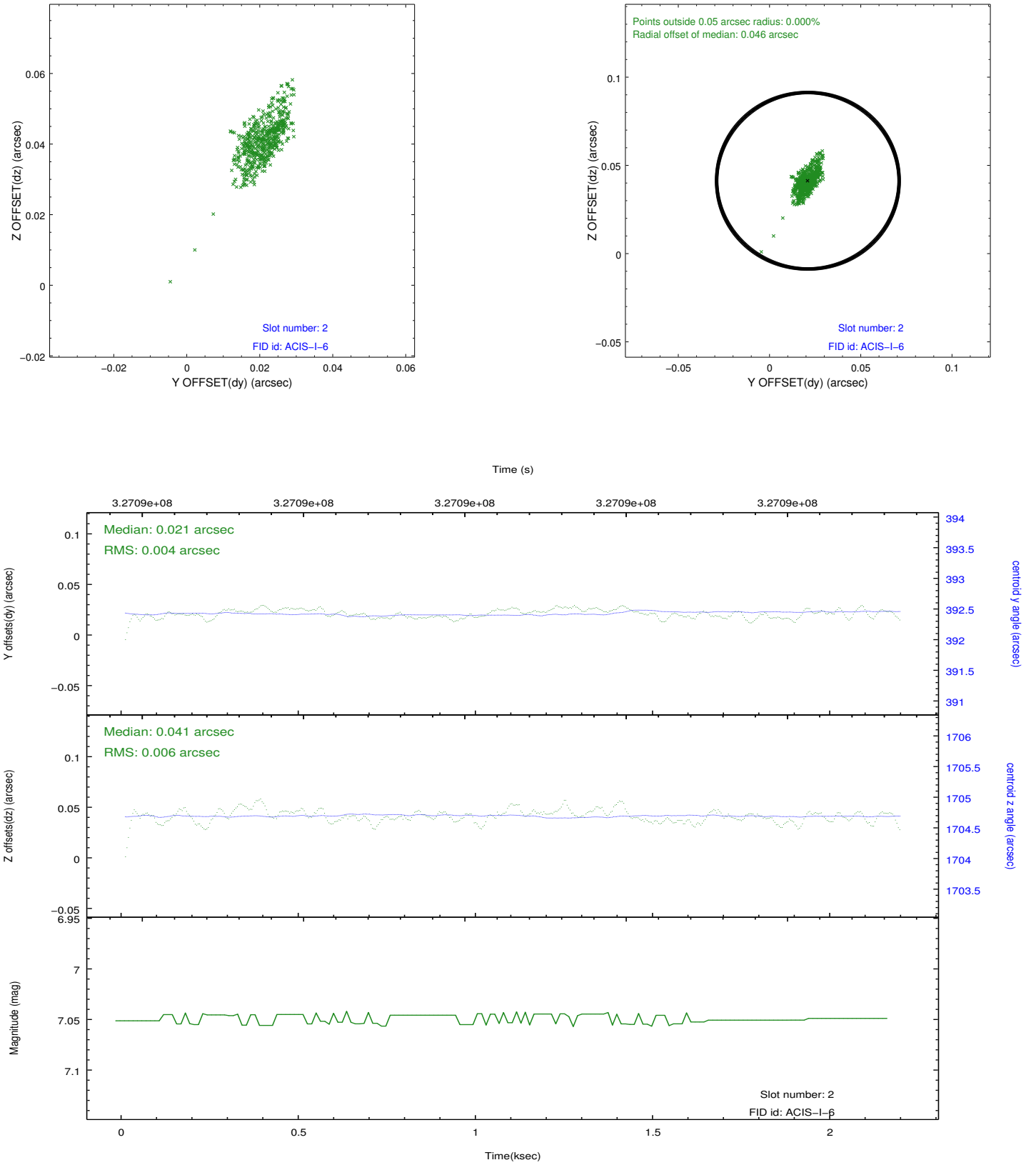
2.5.1 Slot 0



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