

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8709 - L2 Version 2
Chandra X-Ray Center

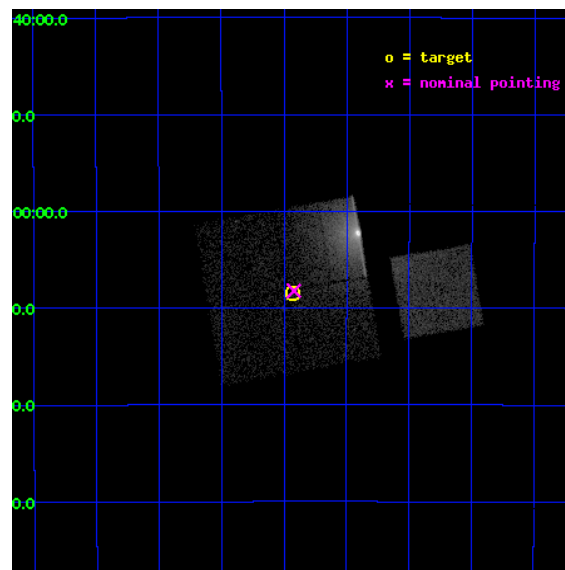
L2 Processing Date : May 14 2012

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1 Front

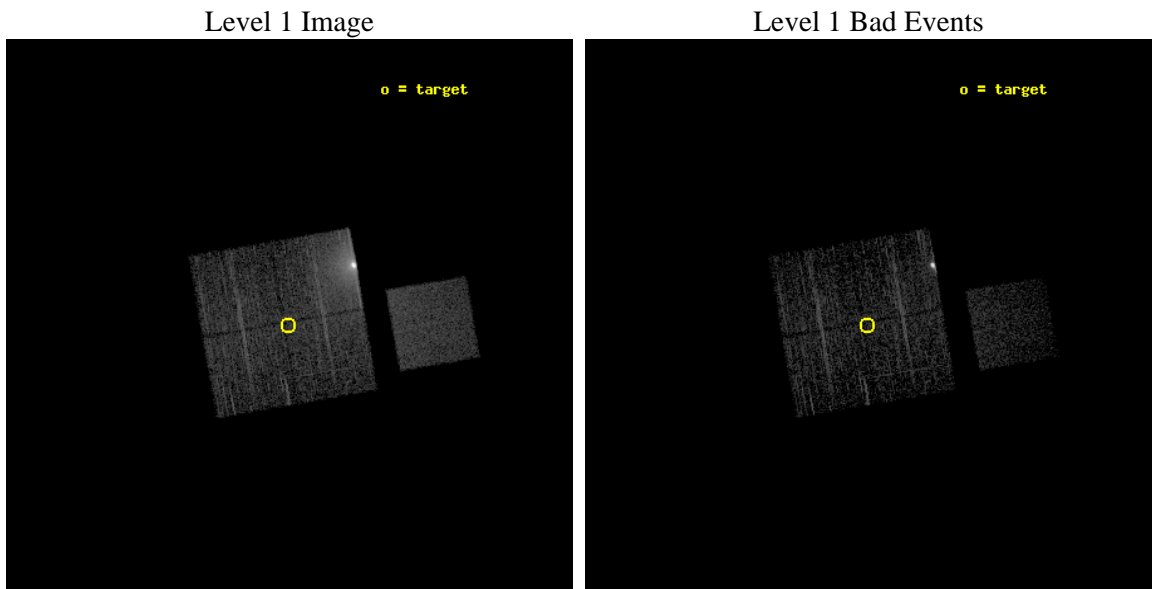
seq_num	400760	Sequence number
obs_id	8709	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	267.732302	Observer's specified target RA [deg]
dec_targ	-29.141796	Observer's specified target Dec [deg]
ra_nom	267.73028058653	Nominal RA [deg]
dec_nom	-29.137146124519	Nominal Dec [deg]
roll_nom	80.207726549257	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2182.4000167847	Sum of GTIs [s]
livetime	2153.8853539059	Livetime [s]
ontime0	2182.4000167847	Sum of GTIs [s]
ontime1	2179.2590265274	Sum of GTIs [s]
ontime2	1885.6777939796	Sum of GTIs [s]
ontime3	2182.4000167847	Sum of GTIs [s]
ontime7	2182.4000167847	Sum of GTIs [s]
l2events	70844	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	2182.4000167847	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	2182.4000167847	Sum of GTIs [s]
date	2012-05-14T23:22:53	Date and time of file creation	ontime1	2179.2590265274	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	1885.6777939796	Sum of GTIs [s]
			ontime3	2182.4000167847	Sum of GTIs [s]
			ontime7	2182.4000167847	Sum of GTIs [s]
			l1events	184059	Number of level 1 events

2.1.4 Events

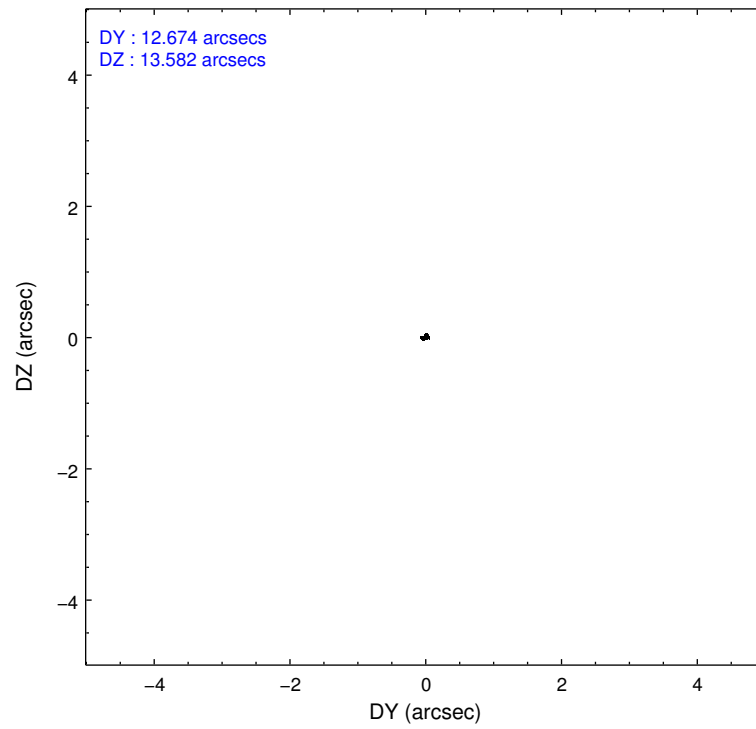
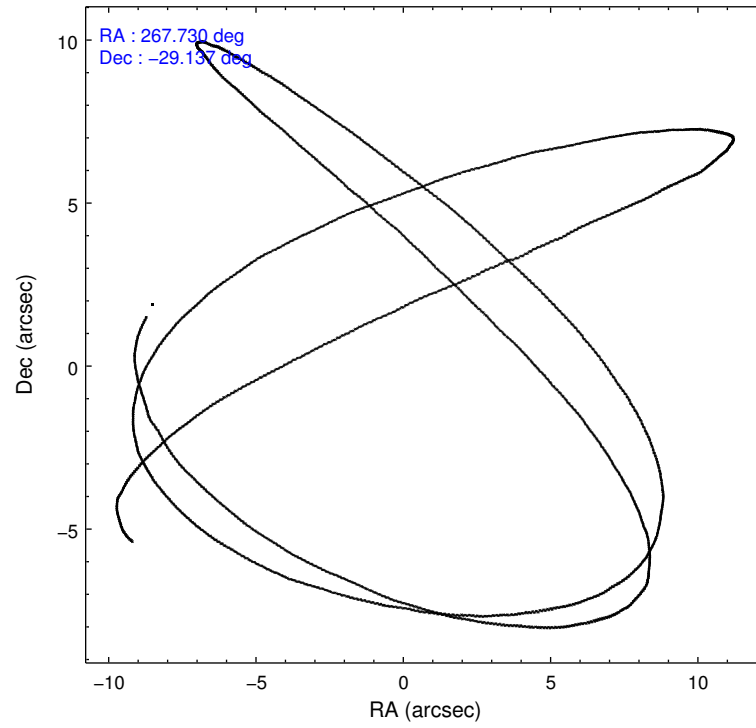
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	19586	19510	100172	20528	24263
rejected events	16961	16982	41894	16942	13584
rejected %	86%	87%	41%	82%	55%

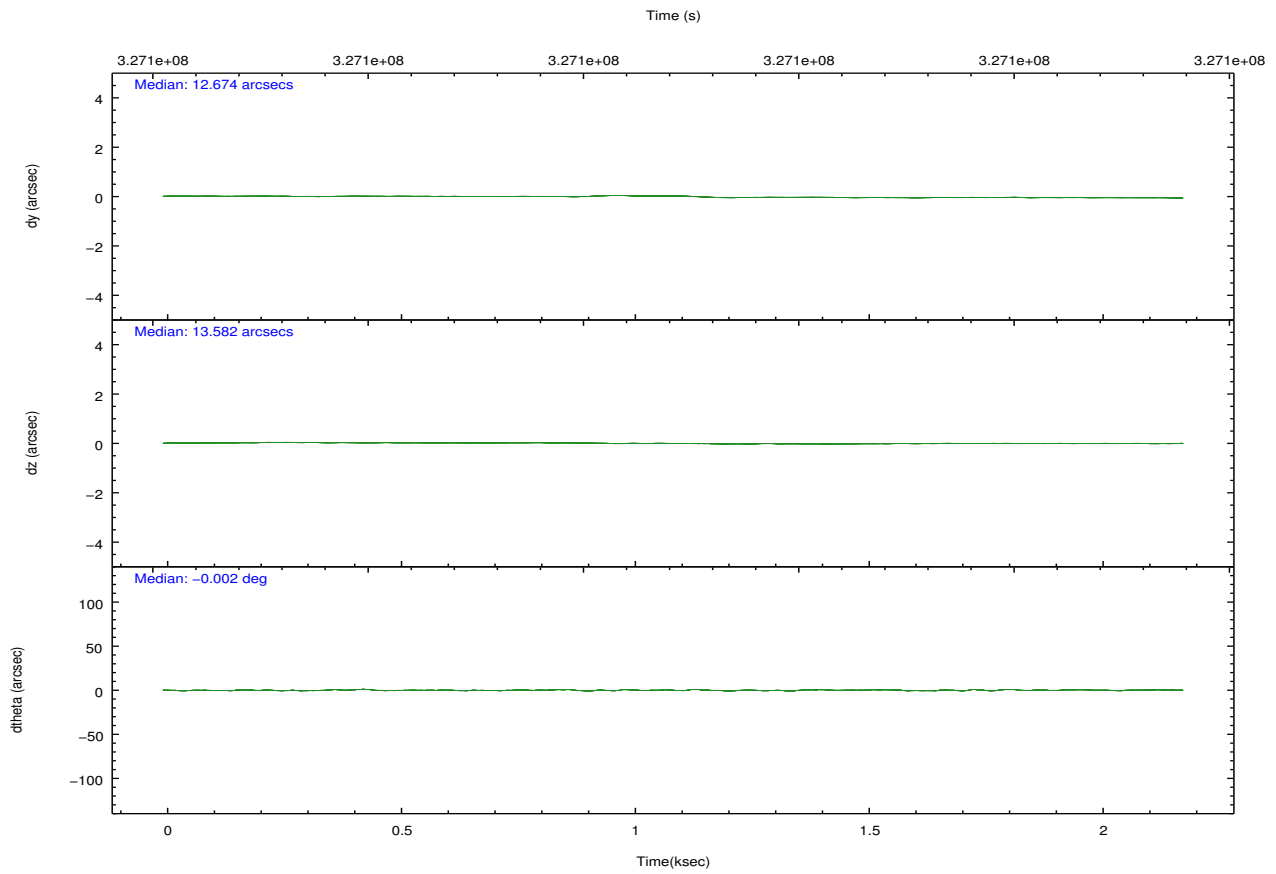
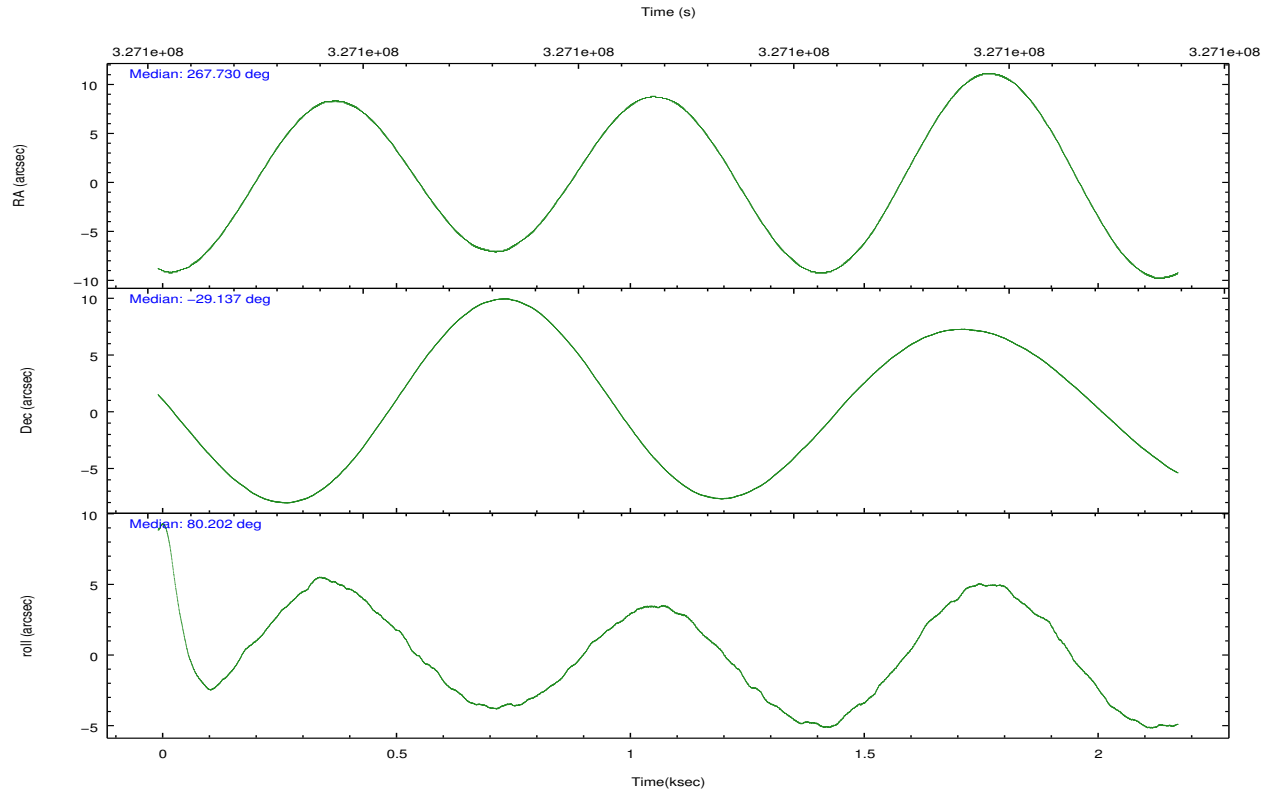
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	1497	1346	40477	2491	1412
	7%	6%	40%	12%	5%
grade 1 events	19	19	5210	21	26
	0%	0%	5%	0%	0%
grade 2 events	569	579	10055	600	2701
	2%	2%	10%	2%	11%
grade 3 events	254	253	3750	289	1160
	1%	1%	3%	1%	4%
grade 4 events	229	271	3901	310	1242
	1%	1%	3%	1%	5%
grade 5 events	729	814	5182	841	2332
	3%	4%	5%	4%	9%
grade 6 events	461	475	6298	479	5898
	2%	2%	6%	2%	24%
grade 7 events	15828	15753	25299	15497	9492
	80%	80%	25%	75%	39%

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	267.741427	267.730280586528	CCD I2 on	Y	Y
[deg] Pointing Dec	-29.162834	-29.13714612451913	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004452	80.20772654925695	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)	327101292.184000	327100915.82755	CCD S5 on	N	N
Observation start date	2008-05-13T21:27:07	2008-05-13T21:21:55	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327103292.184000	327103425.54017	On-chip summing requested	N	N
Observation end date	2008-05-13T22:00:27	2008-05-13T22:03:45	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



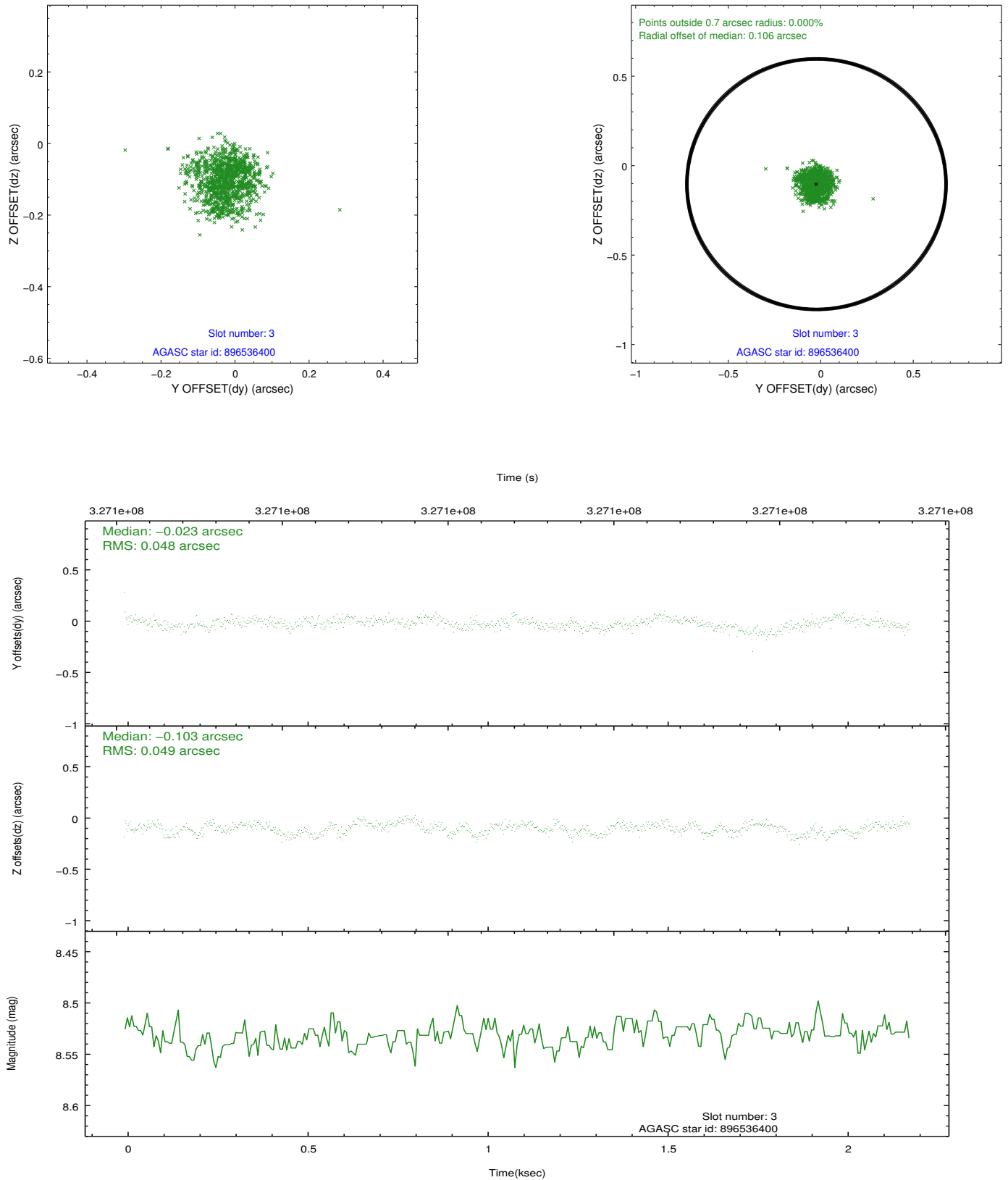


Slot Statistics

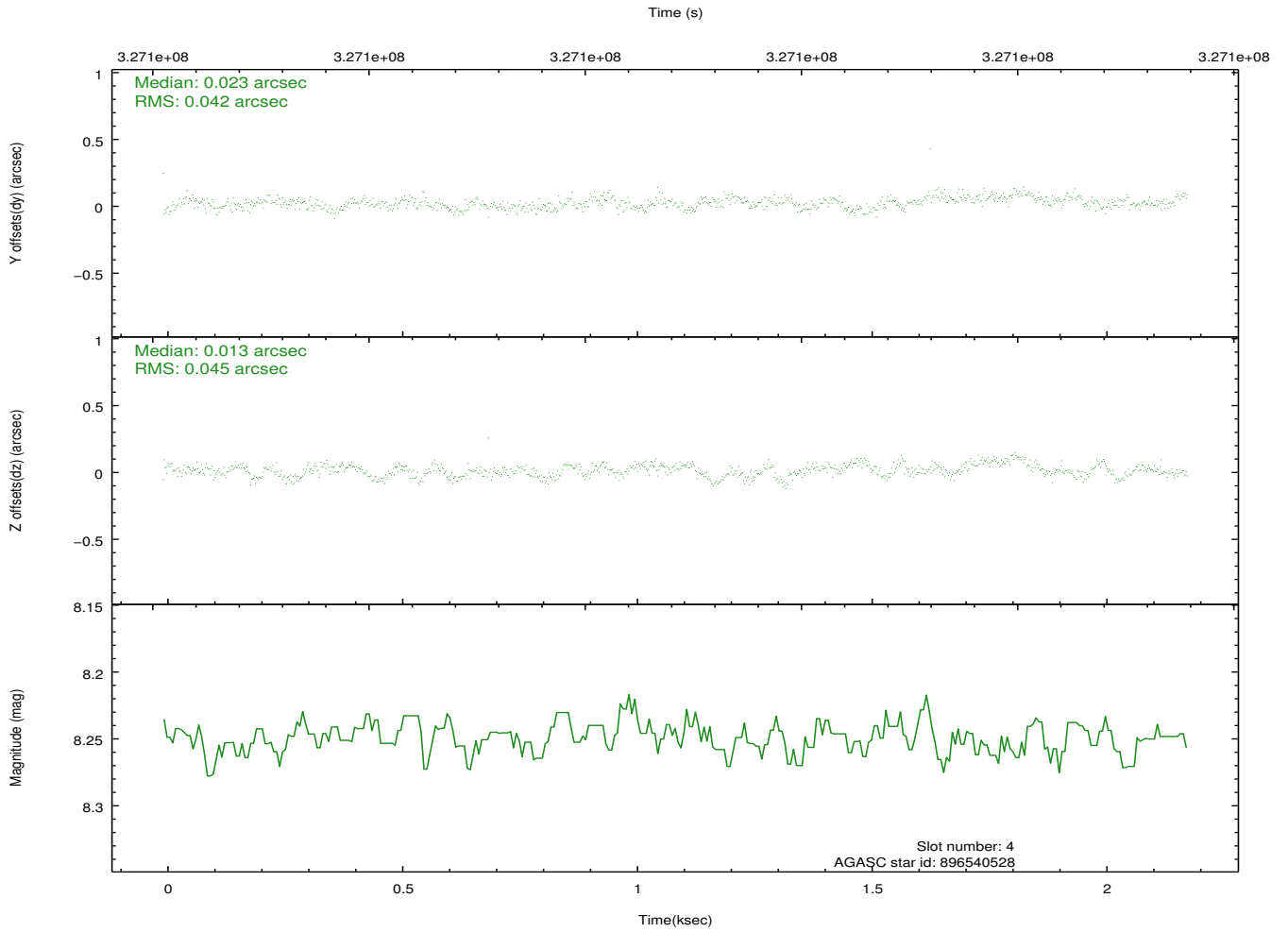
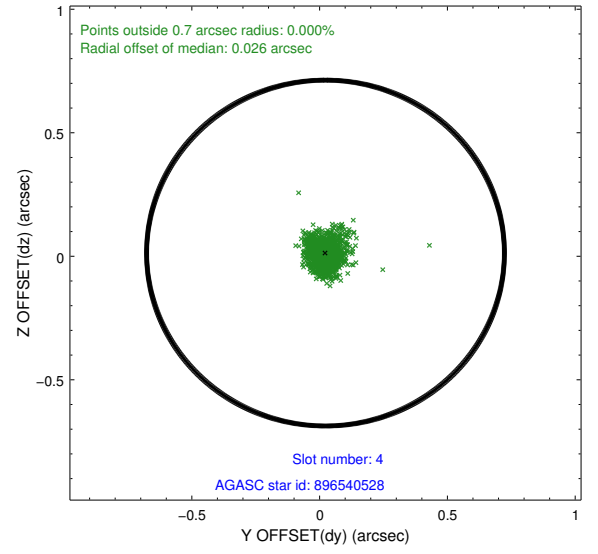
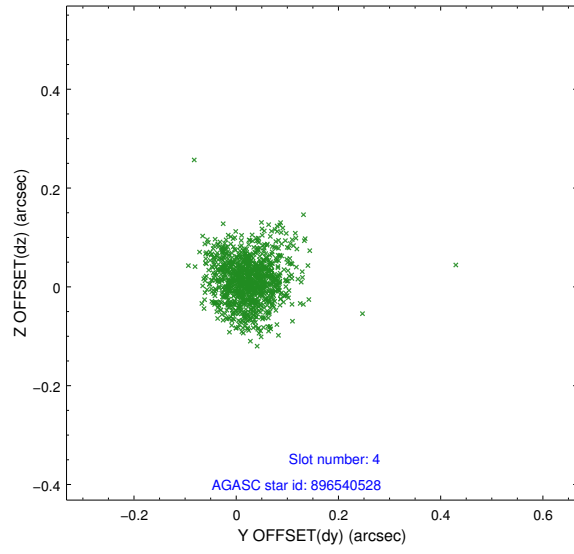
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.05	532	0.009	0.042	0.006	0.011	0.000000	0.000000	926.88	-837.10
1	FID	ACIS-I-5	7.05	532	-0.161	0.036	0.006	0.011	0.000000	0.000000	-1819.76	1058.86
2	FID	ACIS-I-6	7.05	532	0.061	-0.008	0.006	0.010	0.000000	0.000000	389.20	1706.73
3	GUIDE	896536400	8.53	1065	-0.023	-0.103	0.075	0.110	267.359146	-29.438655	-1187.48	1007.11
4	GUIDE	896540528	8.25	1065	0.023	0.013	0.064	0.105	267.368305	-29.314773	-744.57	1058.38
5	GUIDE	898238128	7.73	1065	-0.057	0.225	0.068	0.108	268.450740	-28.688500	2063.87	-1909.79
6	GUIDE	898250872	7.03	1065	0.089	0.195	0.048	0.076	268.026303	-29.632040	-1507.21	-1173.37
7	GUIDE	896541576	8.19	1063	-0.027	-0.334	0.093	0.139	267.051055	-28.762912	1032.27	2392.80

2.4 Star Slots

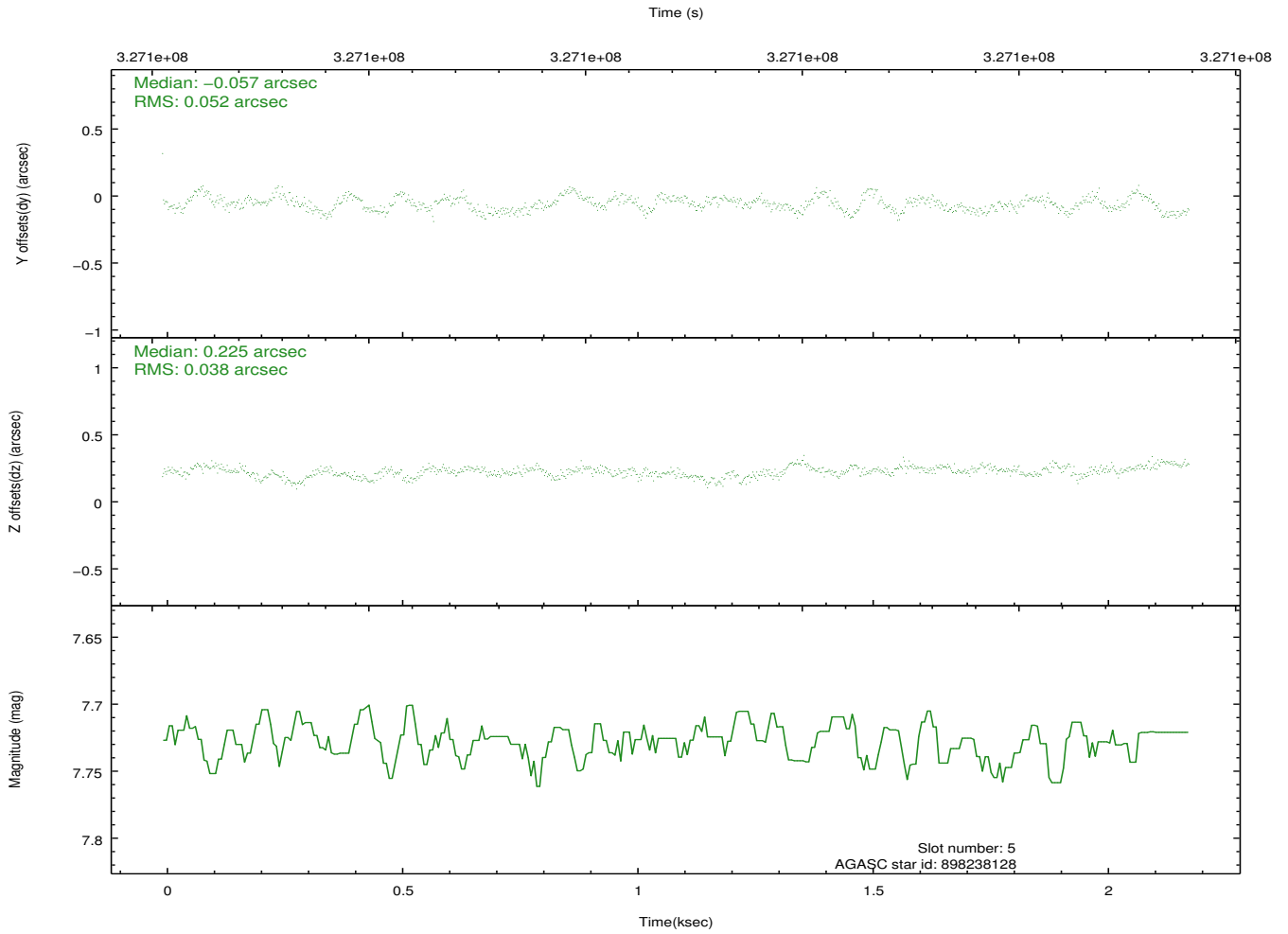
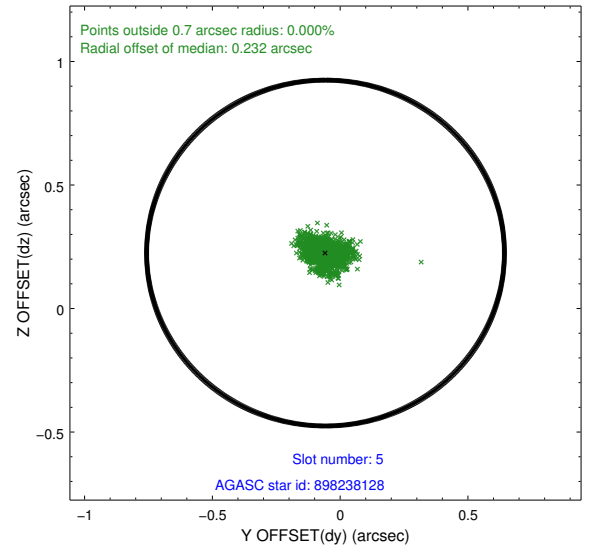
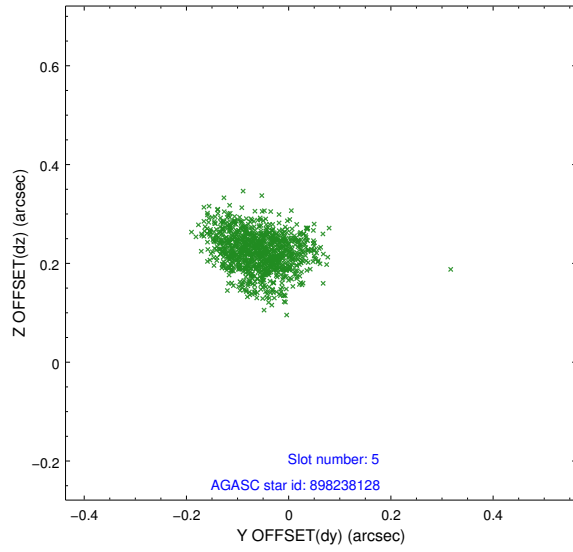
2.4.1 Slot 3



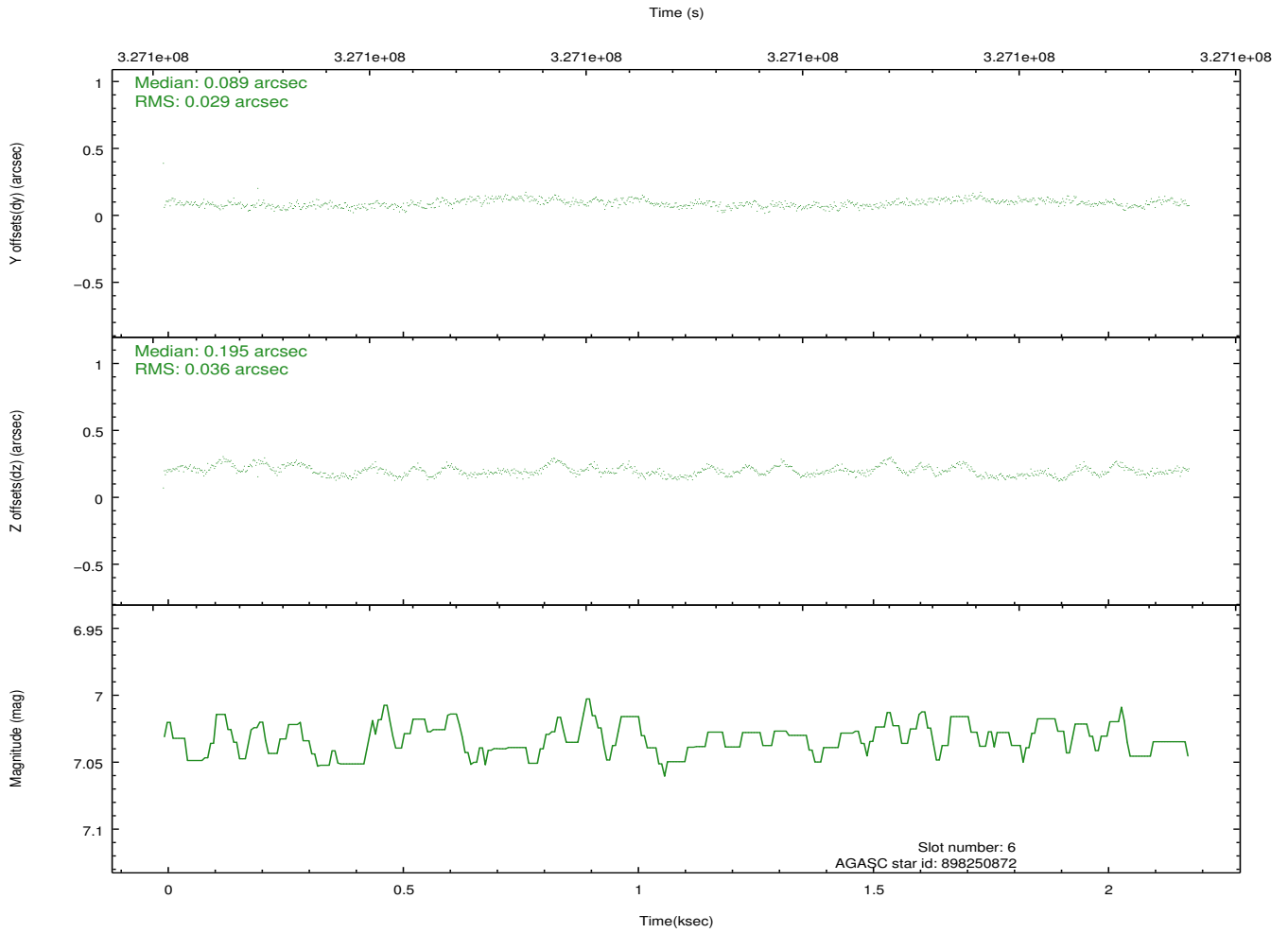
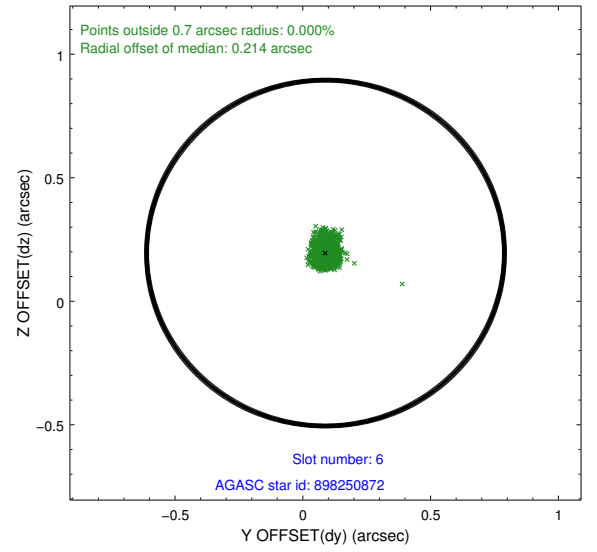
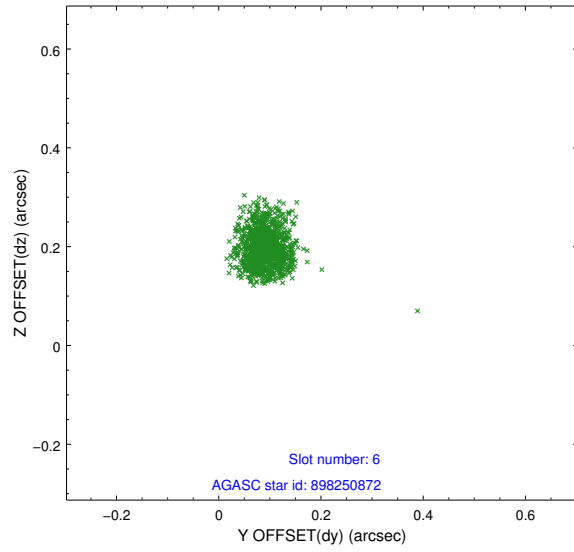
2.4.2 Slot 4



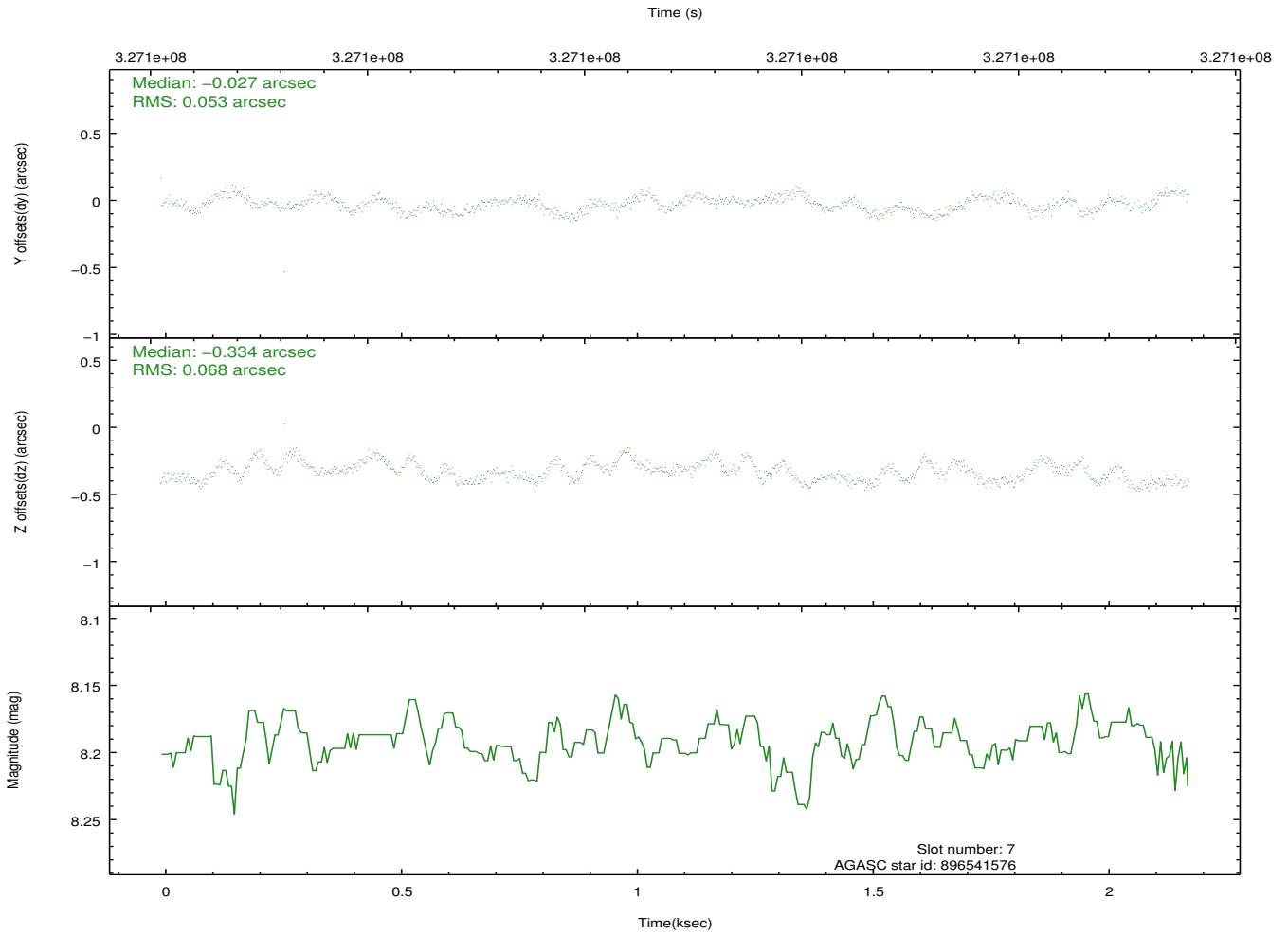
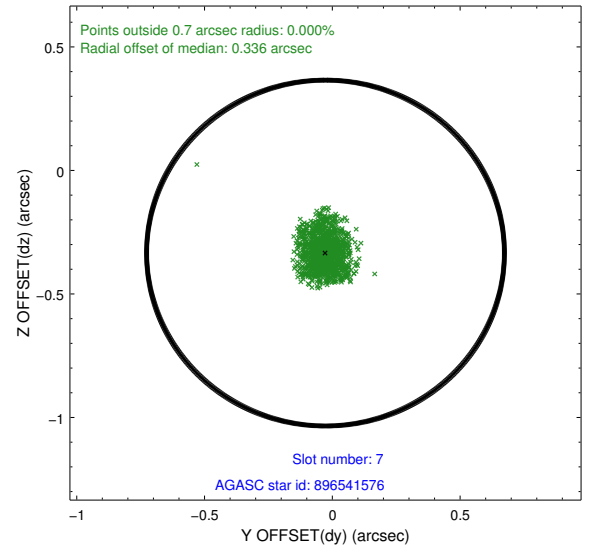
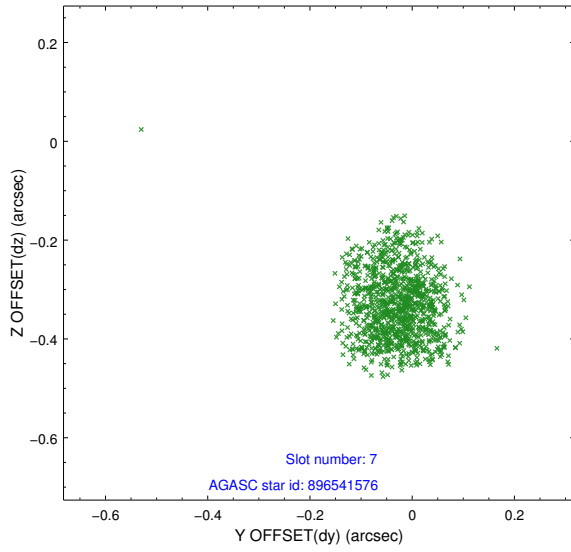
2.4.3 Slot 5



2.4.4 Slot 6

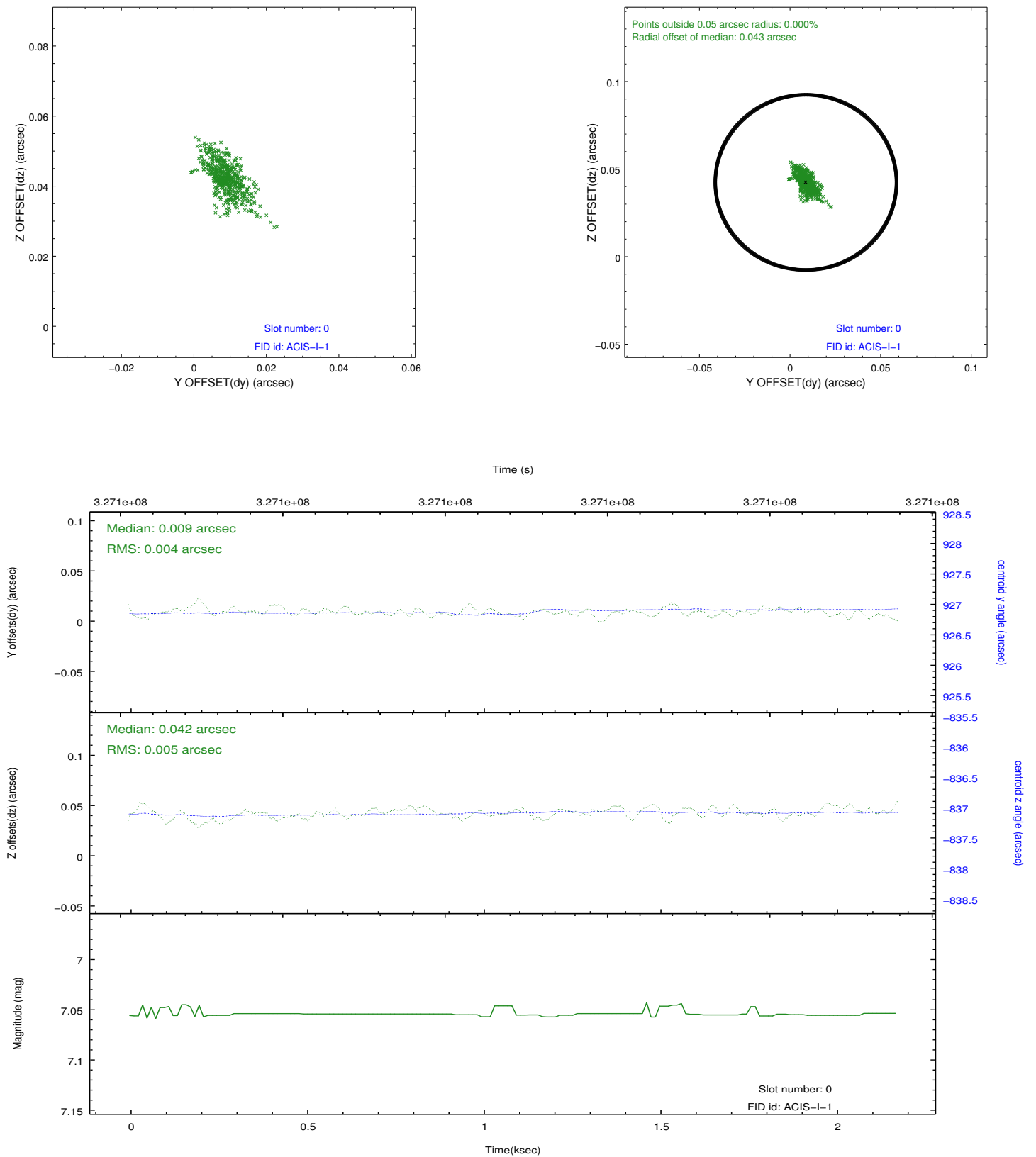


2.4.5 Slot 7

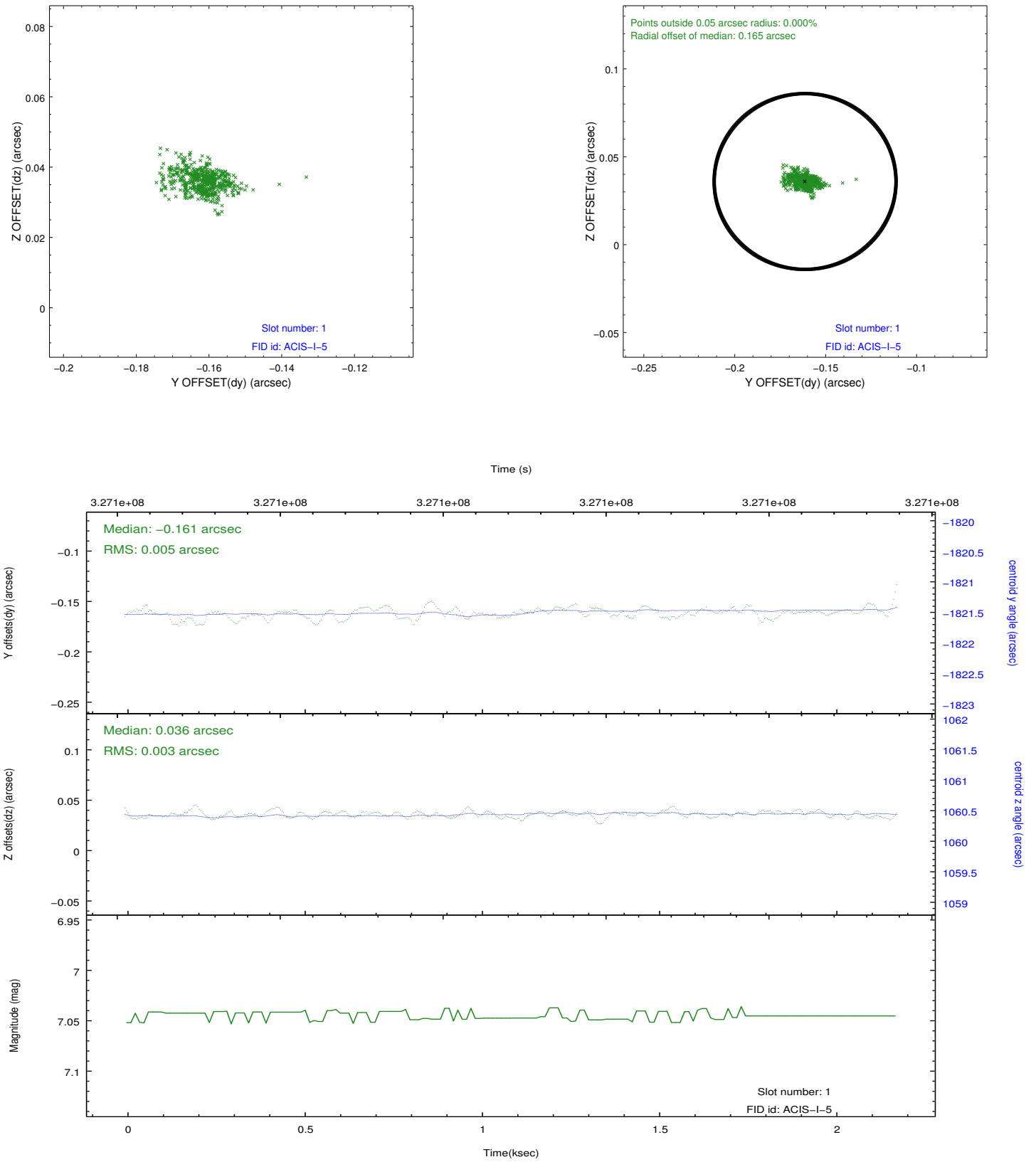


2.5 FID Slots

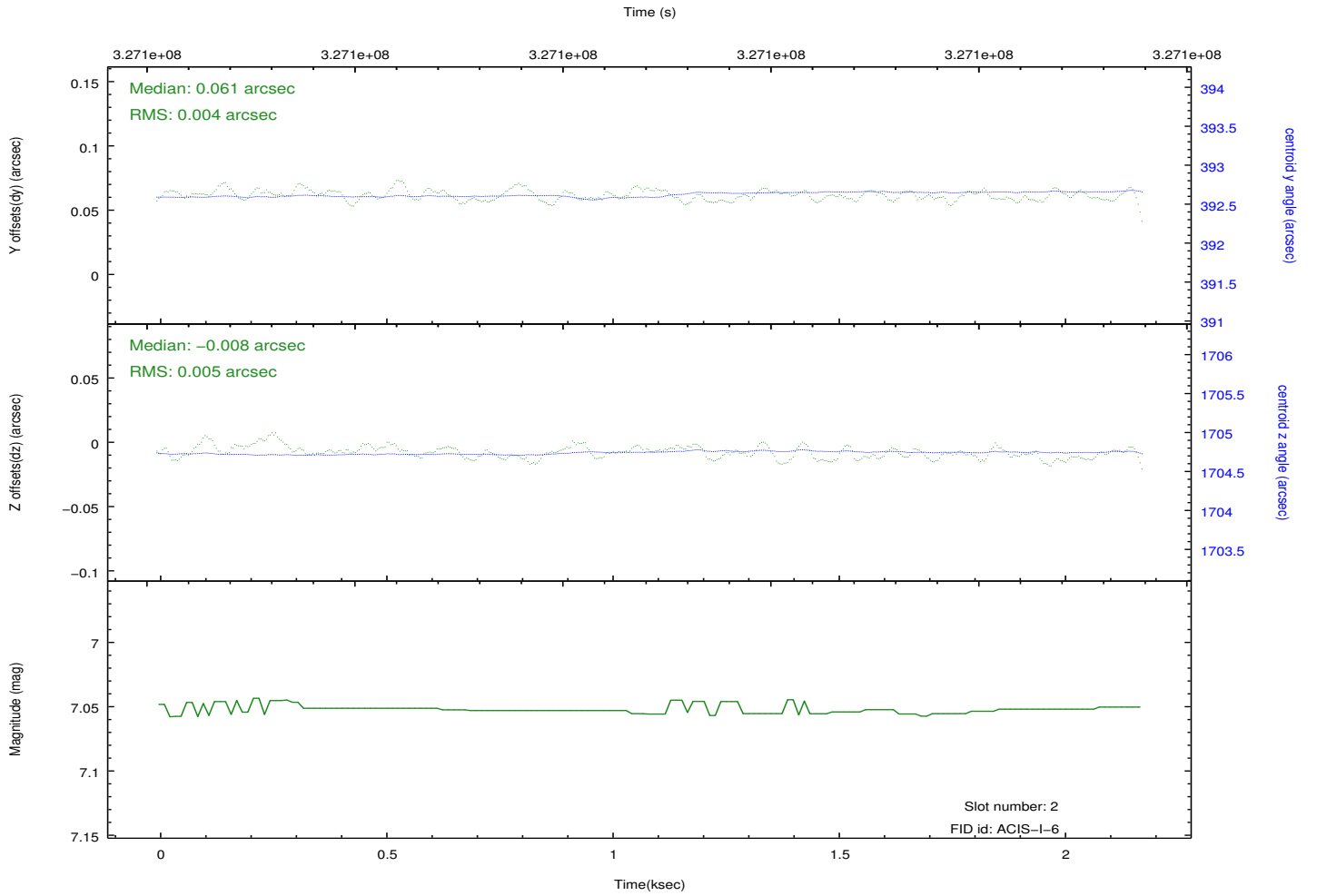
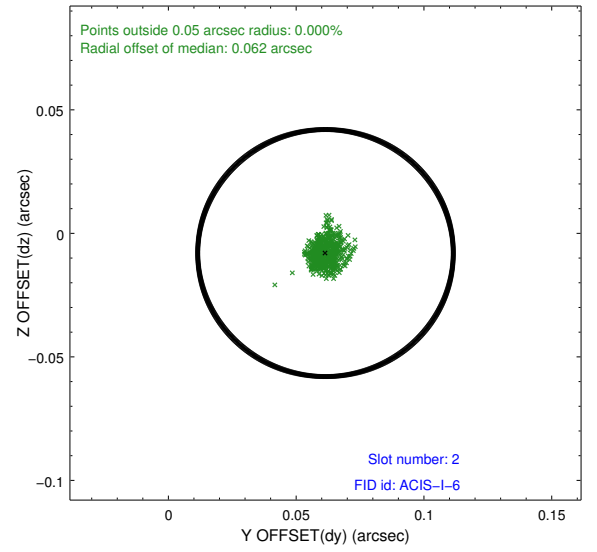
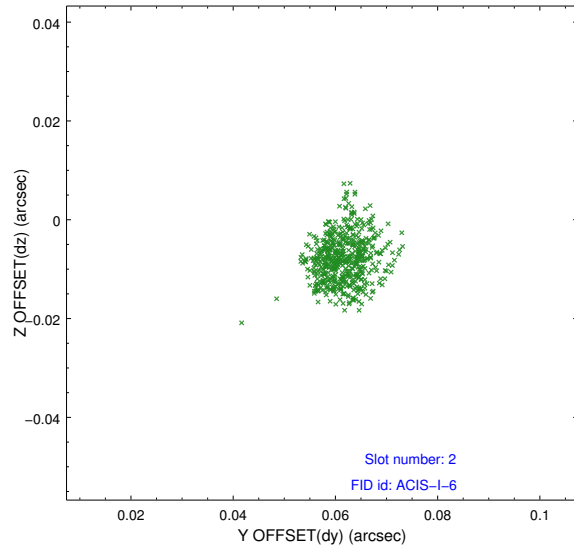
2.5.1 Slot 0



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)	2012.05.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.18240001

A.2 Comments

Joint proposal with NOAO.