

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8710 - L2 Version 2
Chandra X-Ray Center

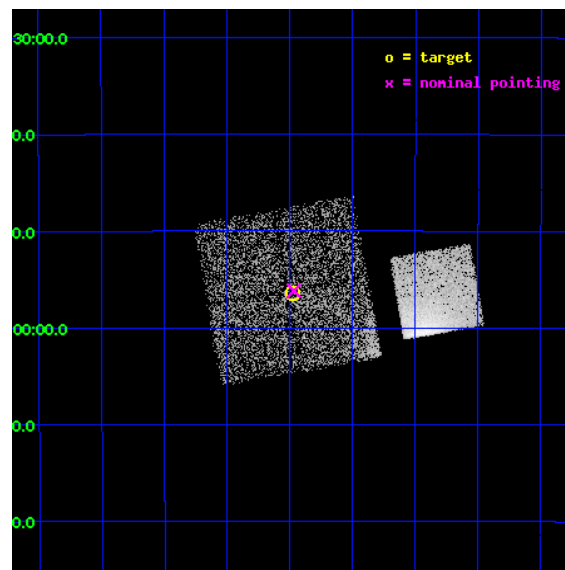
L2 Processing Date : May 14 2012

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1 Front

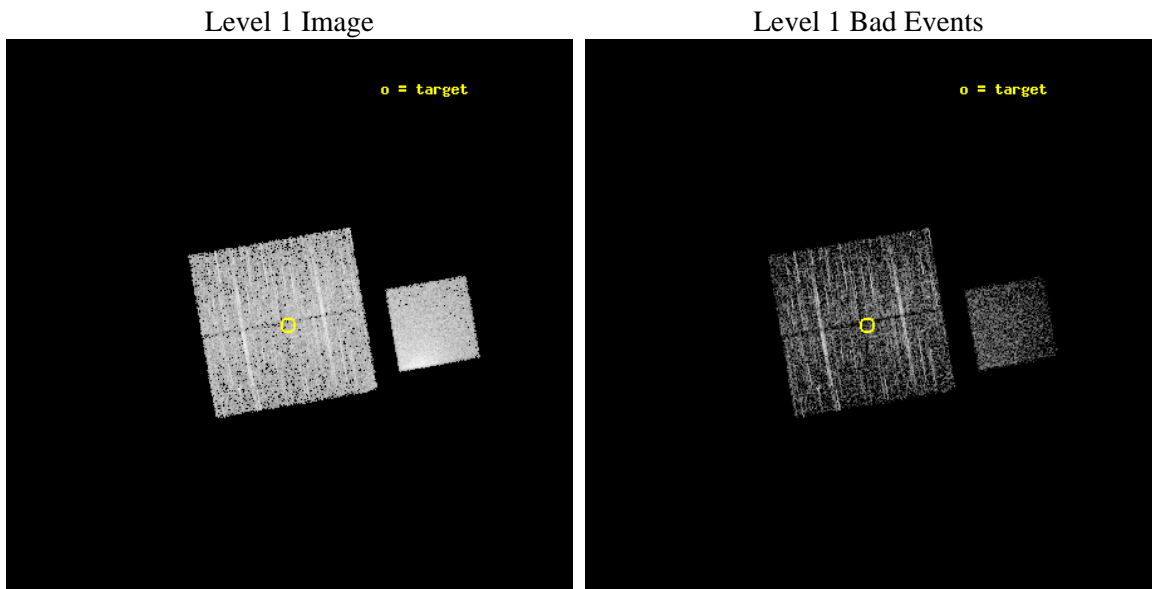
seq_num	400761	Sequence number
obs_id	8710	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	267.868656	Observer's specified target RA [deg]
dec_targ	-28.941264	Observer's specified target Dec [deg]
ra_nom	267.86681128605	Nominal RA [deg]
dec_nom	-28.936424194926	Nominal Dec [deg]
roll_nom	80.207807817245	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	2182.4000167847	Sum of GTIs [s]
ontime2	2176.118026197	Sum of GTIs [s]
ontime3	2182.4000167847	Sum of GTIs [s]
ontime7	2182.4000167847	Sum of GTIs [s]
l2events	28266	Number of level 2 events



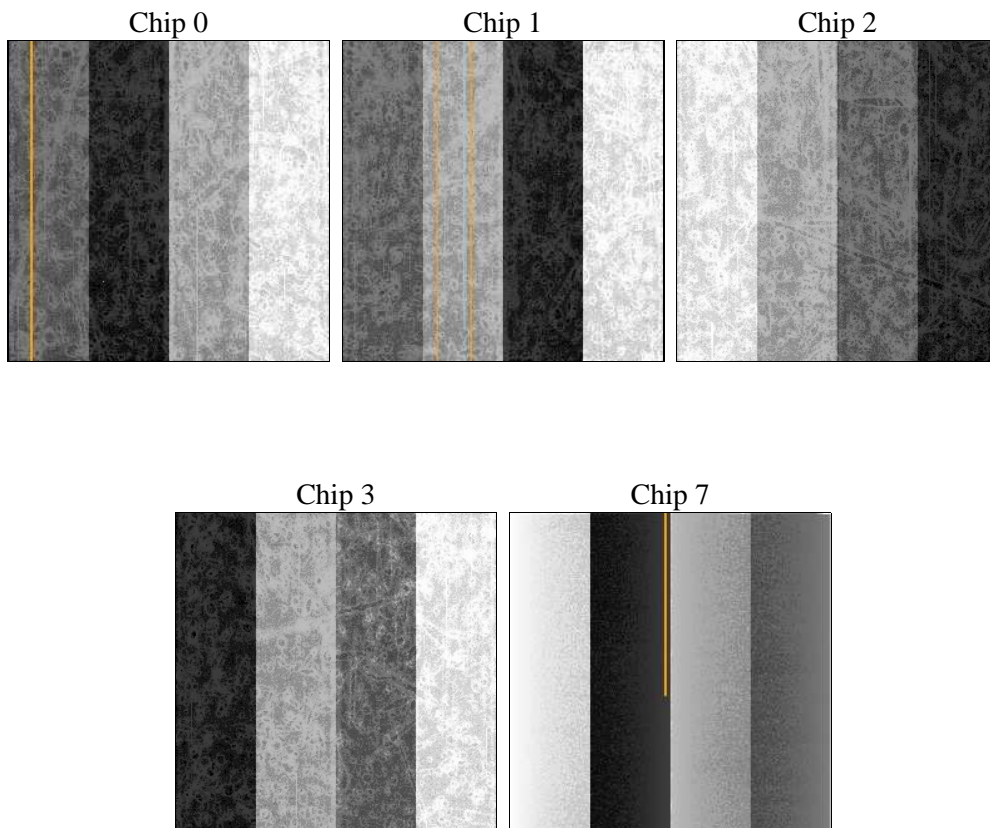
2 OBI

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	2012-05-14T23:20:33	Date and time of file creation	ontime1	2182.4000167847	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2176.118026197	Sum of GTIs [s]
			ontime3	2182.4000167847	Sum of GTIs [s]
			ontime7	2182.4000167847	Sum of GTIs [s]
			l1events	120782	Number of level 1 events

2.1.4 Events

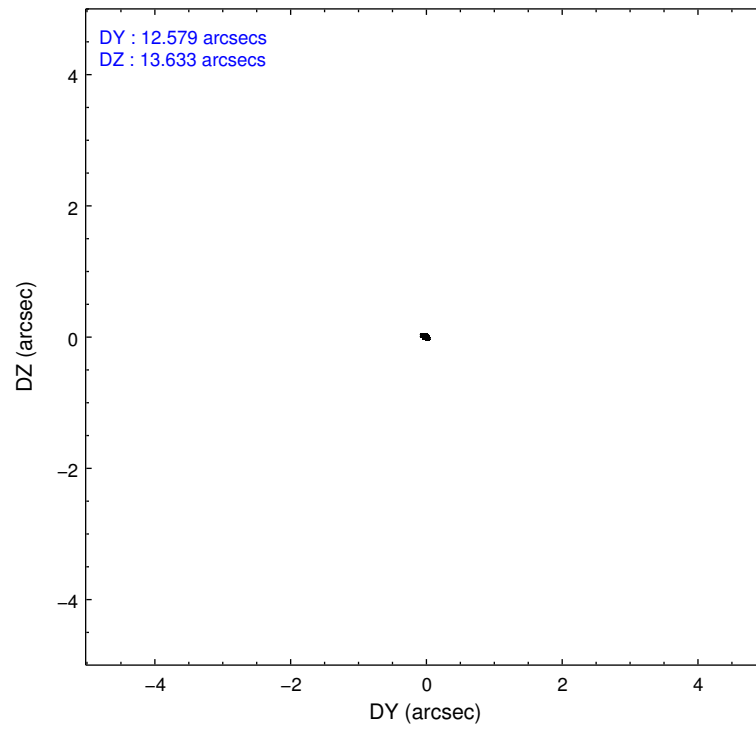
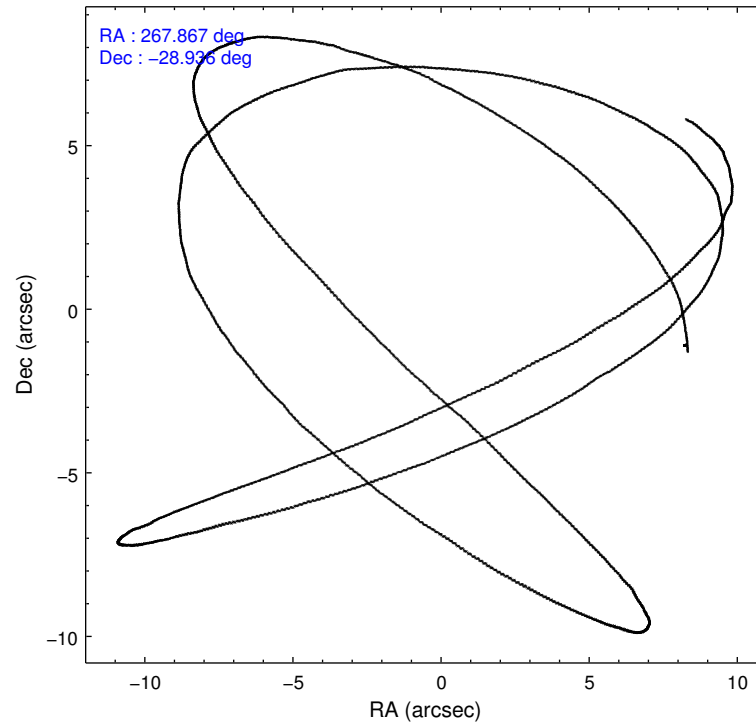
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	20670	19479	21846	20771	38016
rejected events	18255	16969	19429	17531	18576
rejected %	88%	87%	88%	84%	48%

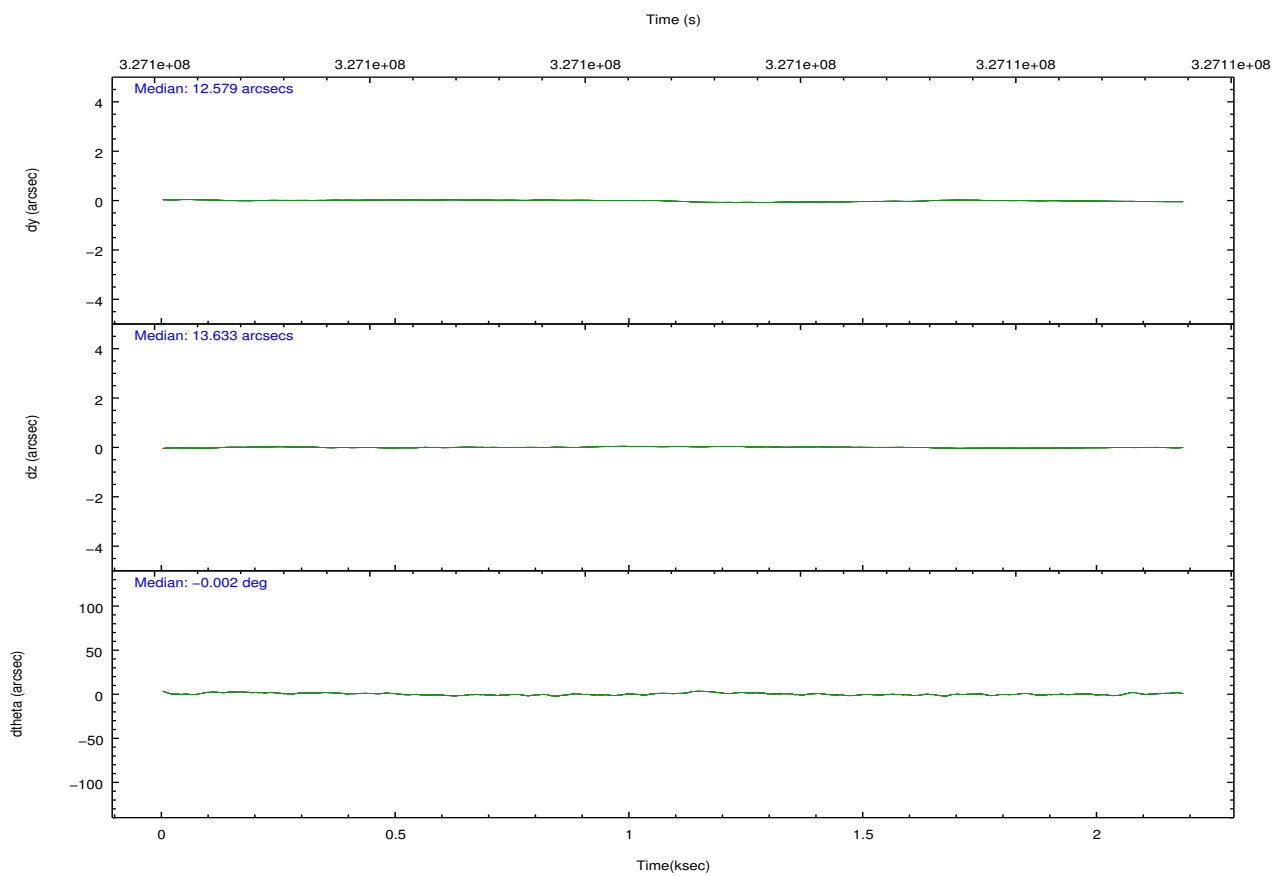
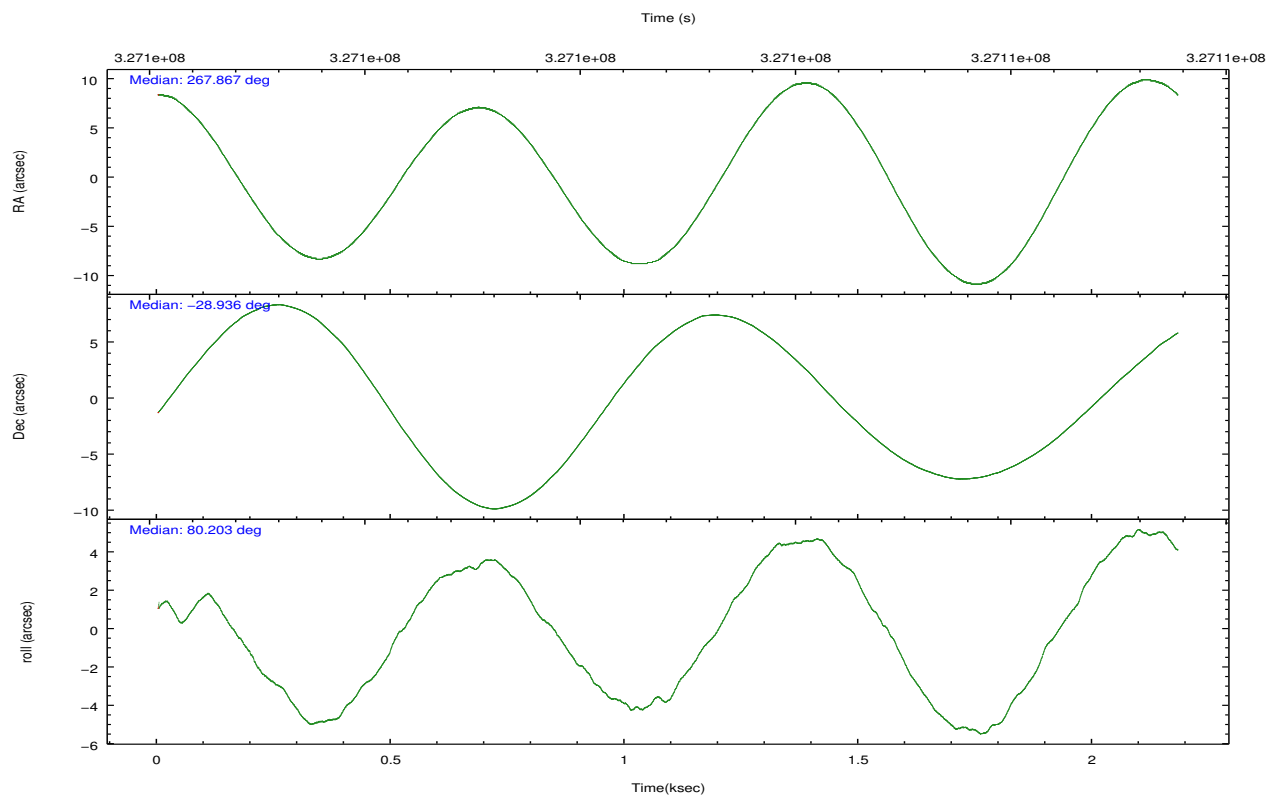
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	1298	1323	1294	2103	4111
	6%	6%	5%	10%	10%
grade 1 events	15	8	18	22	98
	0%	0%	0%	0%	0%
grade 2 events	592	584	606	630	5745
	2%	2%	2%	3%	15%
grade 3 events	239	270	239	278	2512
	1%	1%	1%	1%	6%
grade 4 events	235	248	207	283	2616
	1%	1%	0%	1%	6%
grade 5 events	695	734	659	760	2657
	3%	3%	3%	3%	6%
grade 6 events	407	468	394	428	9888
	1%	2%	1%	2%	26%
grade 7 events	17189	15844	18429	16267	10389
	83%	81%	84%	78%	27%

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	267.877764	267.8668112860478	CCD I2 on	Y	Y
[deg] Pointing Dec	-28.962307	-28.93642419492552	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004410	80.2078078172445	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)	327103802.184000	327103425.54017	CCD S5 on	N	N
Observation start date	2008-05-13T22:08:57	2008-05-13T22:03:45	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327105802.184000	327105935.76529	On-chip summing requested	N	N
Observation end date	2008-05-13T22:42:17	2008-05-13T22:45:35	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



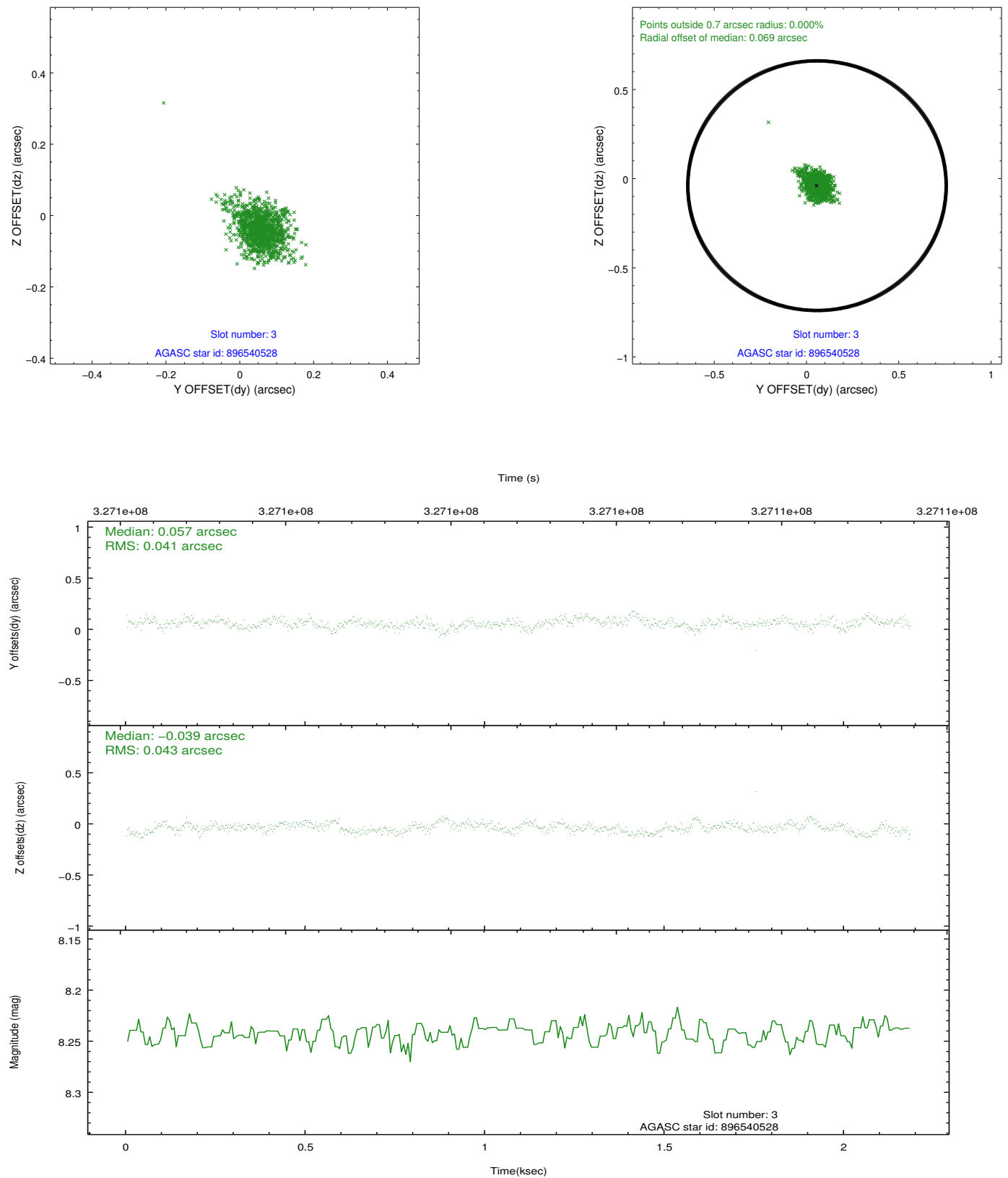


Slot Statistics

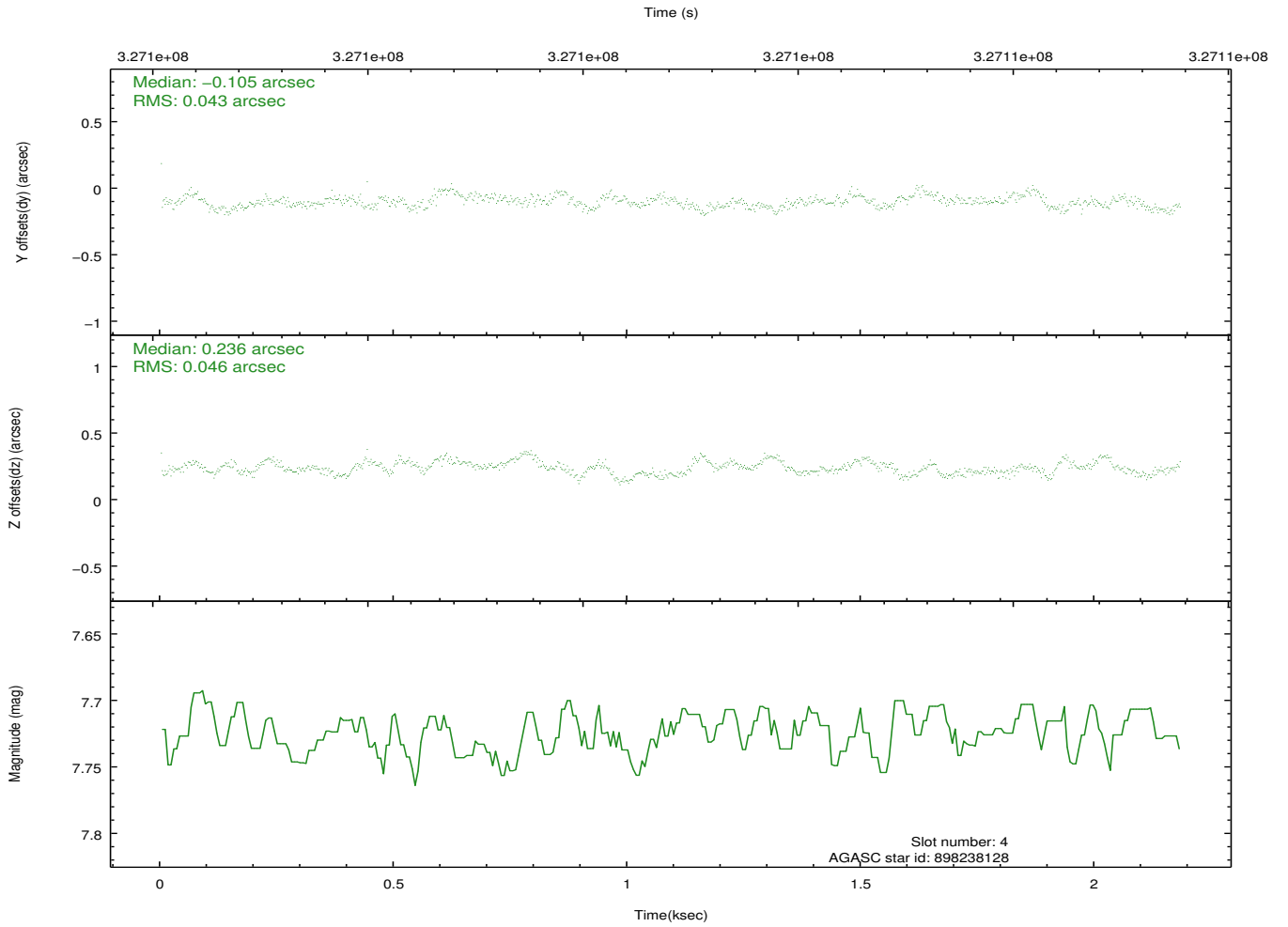
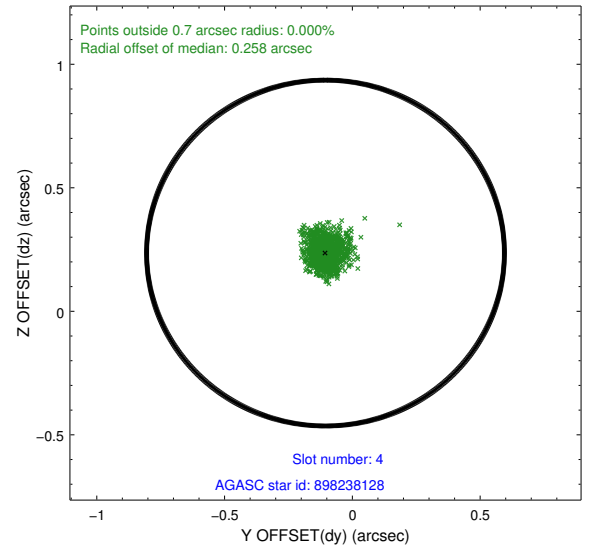
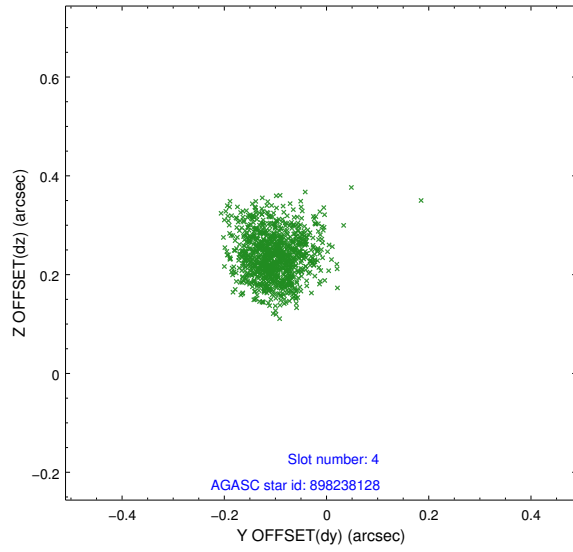
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.05	533	-0.028	0.094	0.015	0.034	0.000000	0.000000	926.93	-837.10
1	FID	ACIS-I-2	6.97	533	-0.089	-0.061	0.016	0.042	0.000000	0.000000	-765.57	-845.19
2	FID	ACIS-I-6	7.05	533	0.024	0.032	0.022	0.051	0.000000	0.000000	391.27	1703.14
3	GUIDE	896540528	8.24	1065	0.057	-0.039	0.059	0.105	267.368305	-29.314773	-1531.17	1353.74
4	GUIDE	898238128	7.73	1065	-0.105	0.236	0.066	0.107	268.450740	-28.688500	1278.72	-1609.89
5	GUIDE	896538208	7.94	1065	-0.173	-0.351	0.080	0.120	267.176969	-28.671626	640.34	2358.83
6	GUIDE	896536400	8.53	1064	0.049	-0.119	0.061	0.104	267.359146	-29.438655	-1974.49	1305.18
7	GUIDE	898250872	7.03	1064	0.163	0.273	0.055	0.092	268.026303	-29.632040	-2296.10	-874.86

2.4 Star Slots

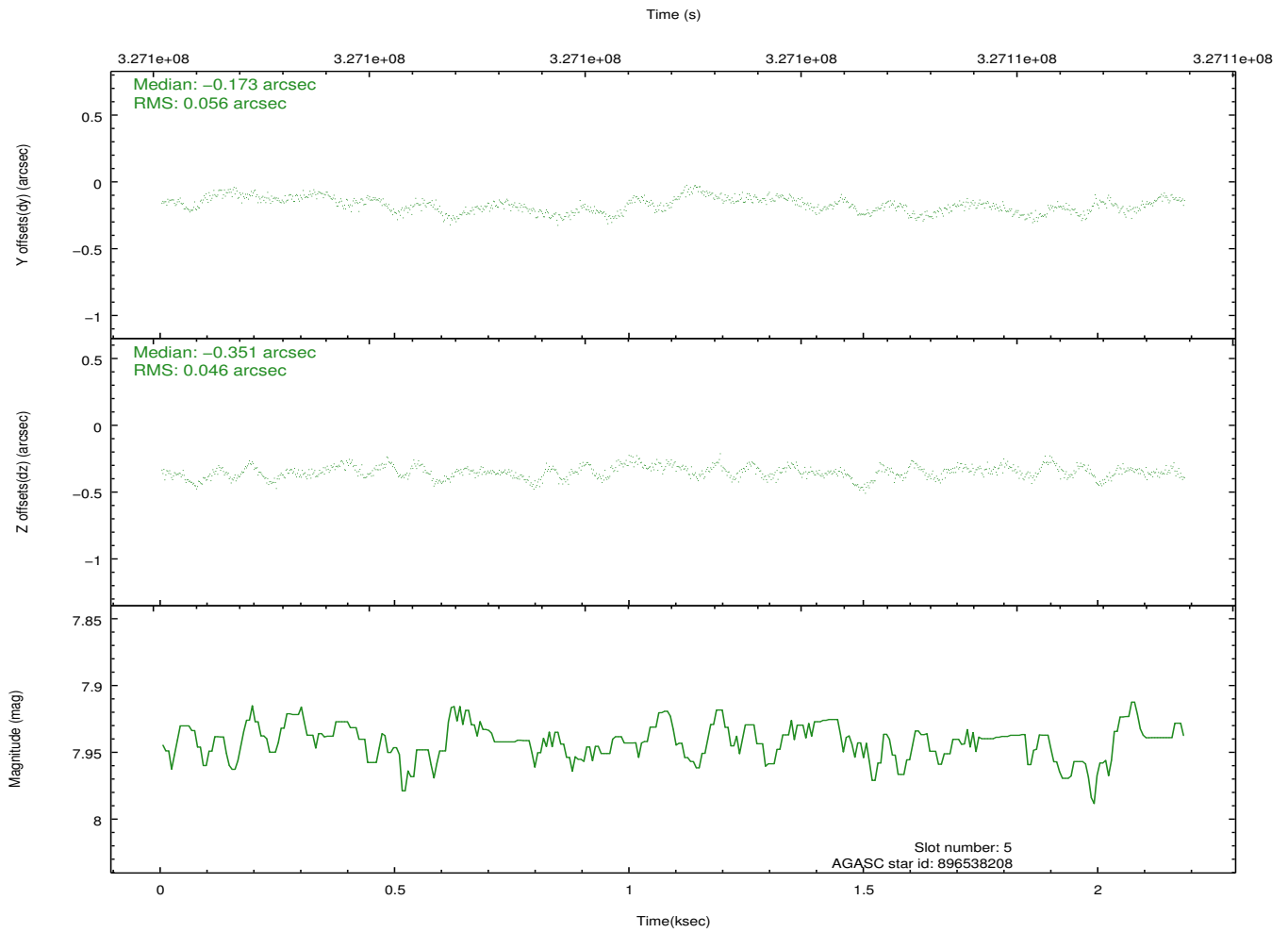
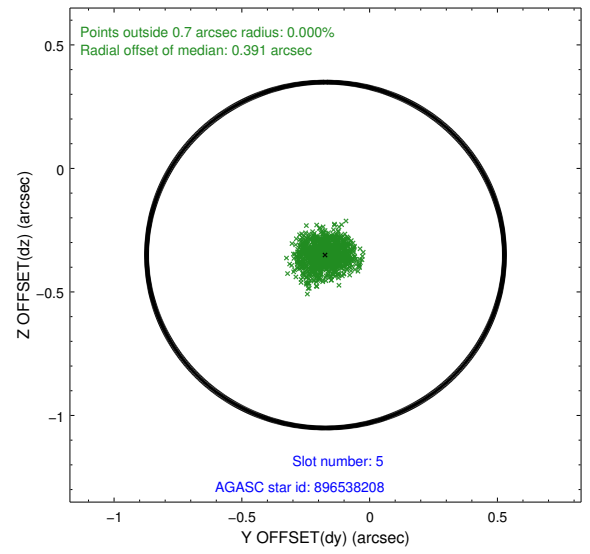
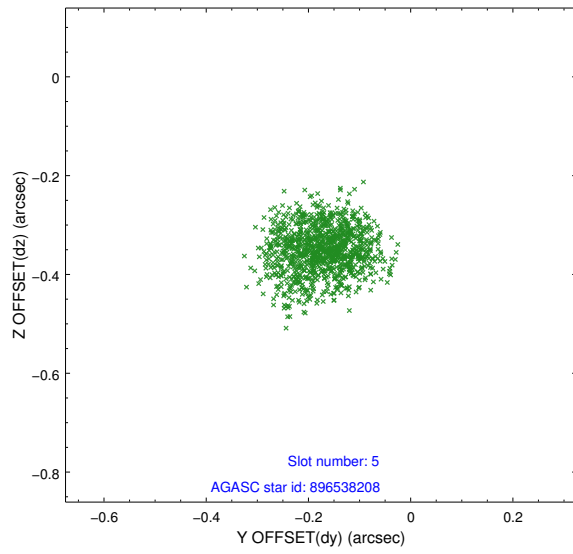
2.4.1 Slot 3



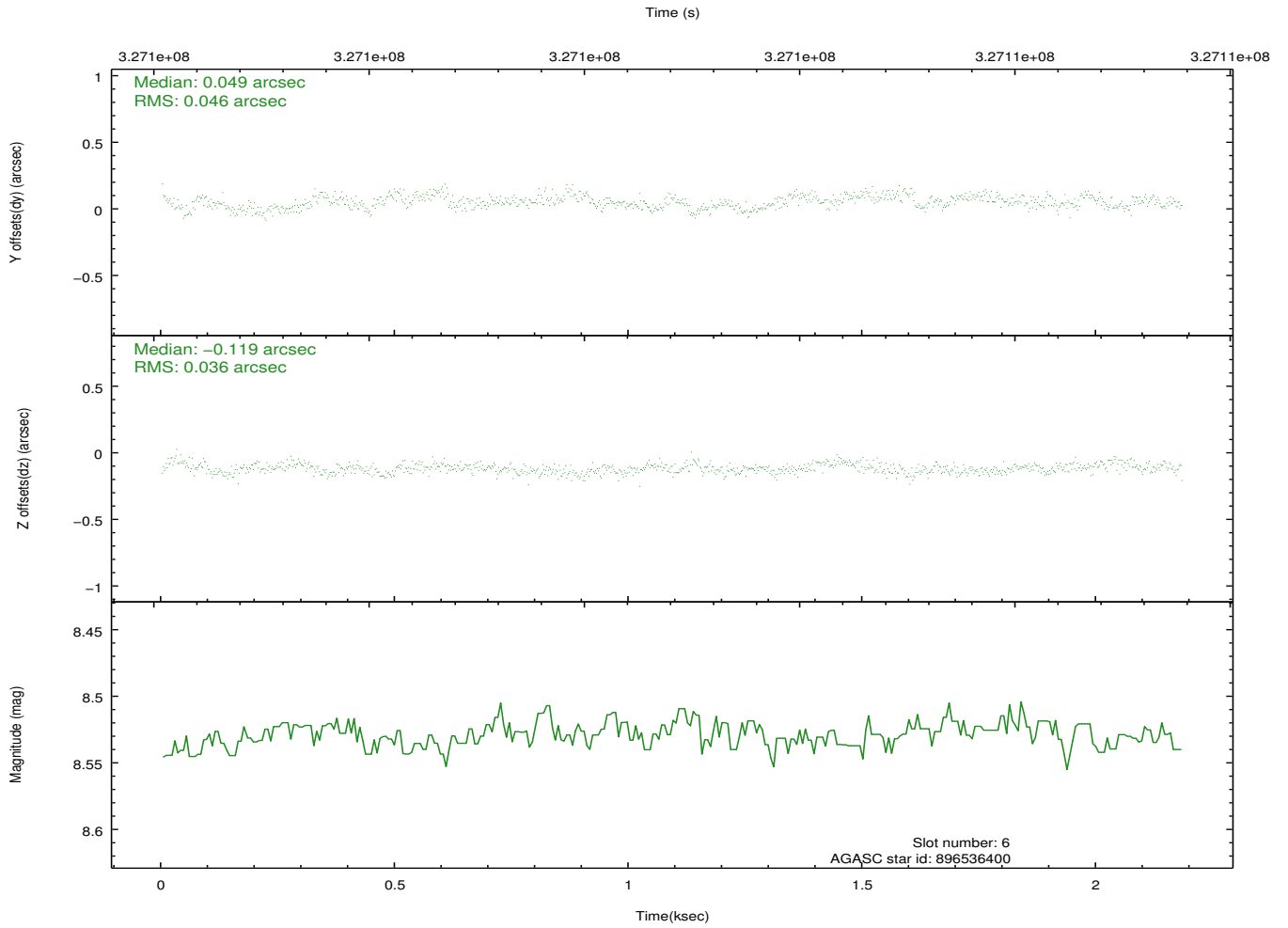
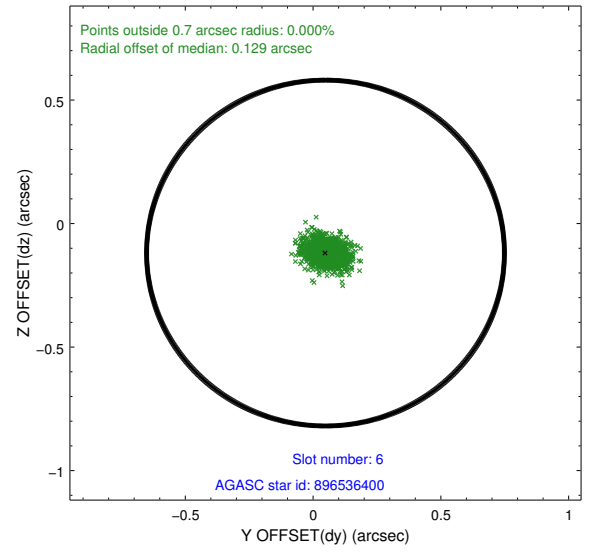
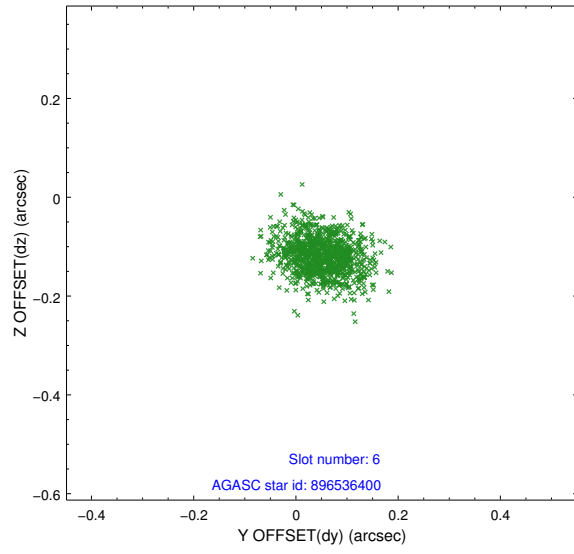
2.4.2 Slot 4



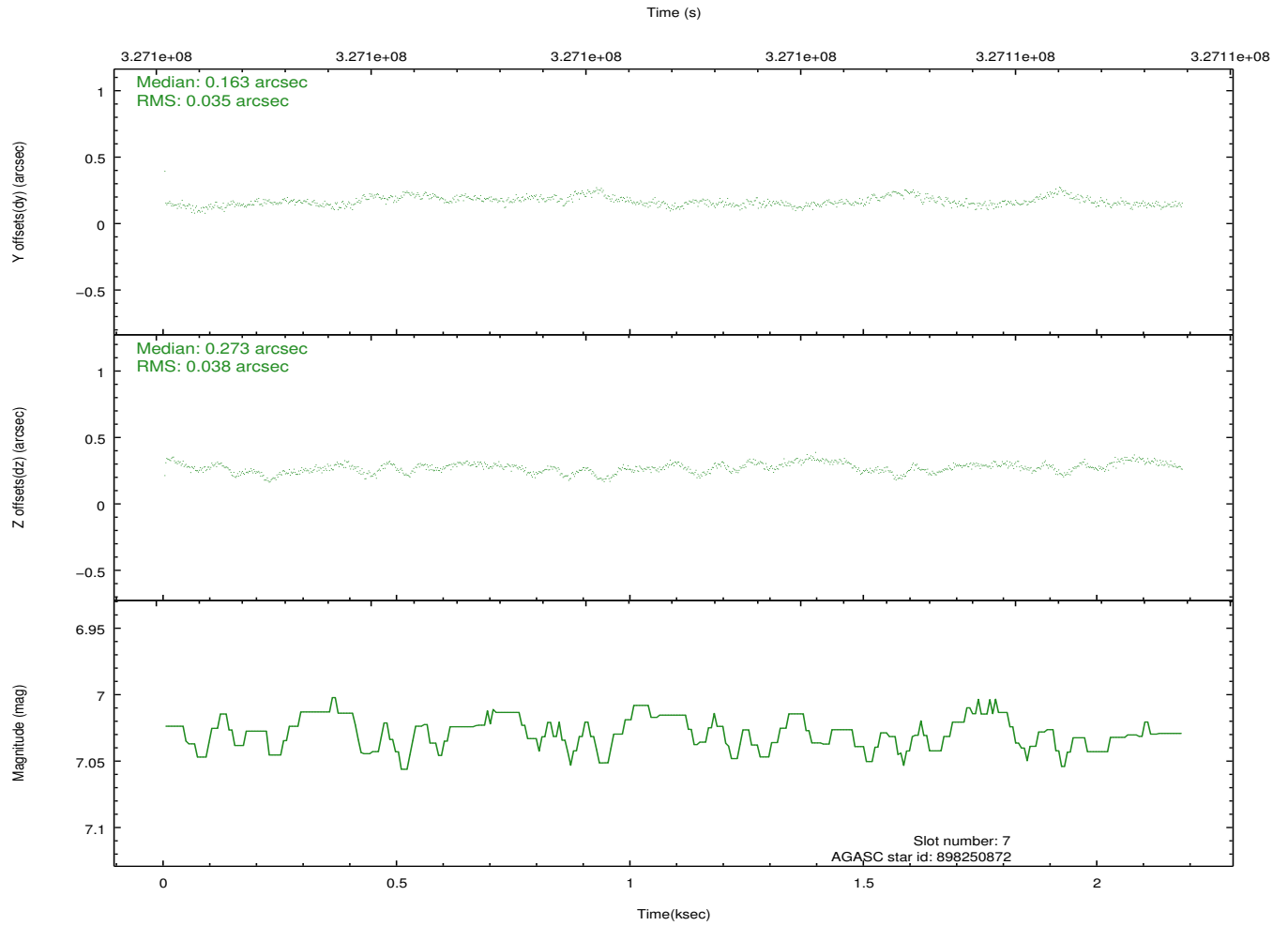
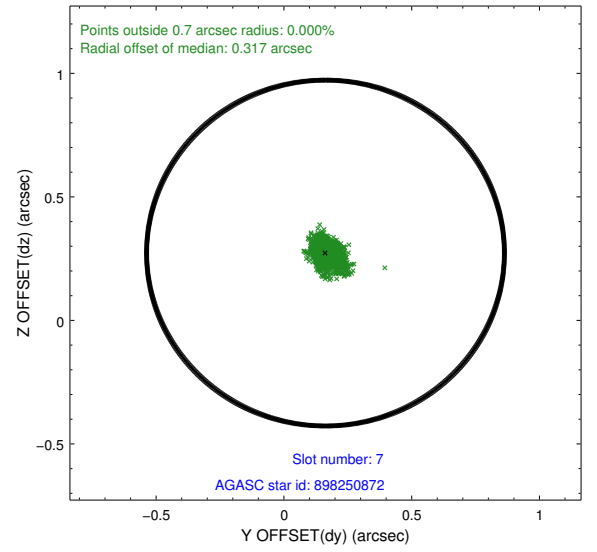
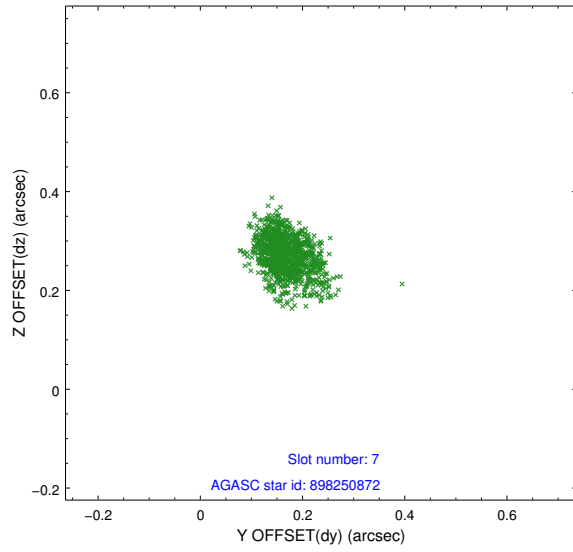
2.4.3 Slot 5



2.4.4 Slot 6

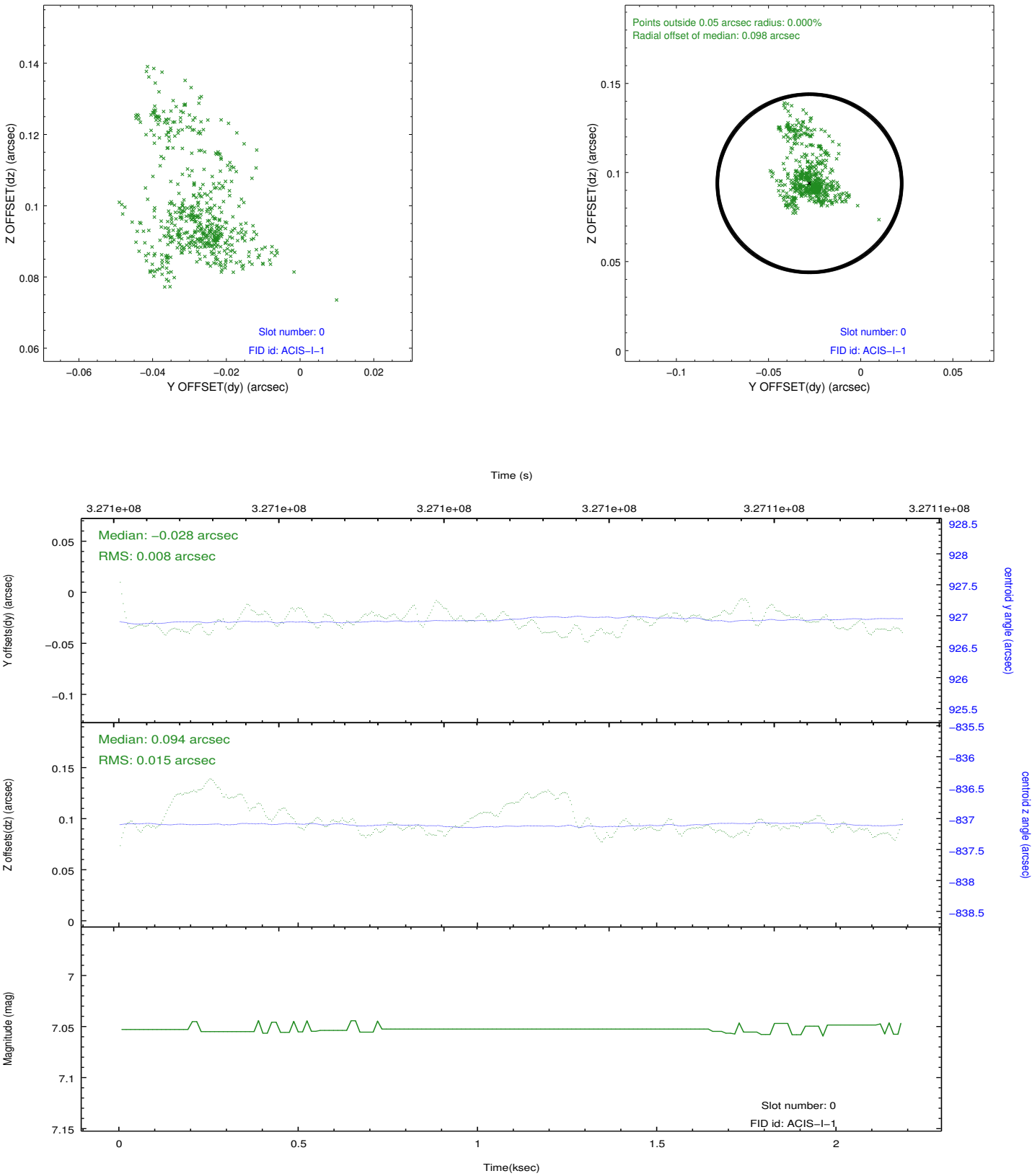


2.4.5 Slot 7

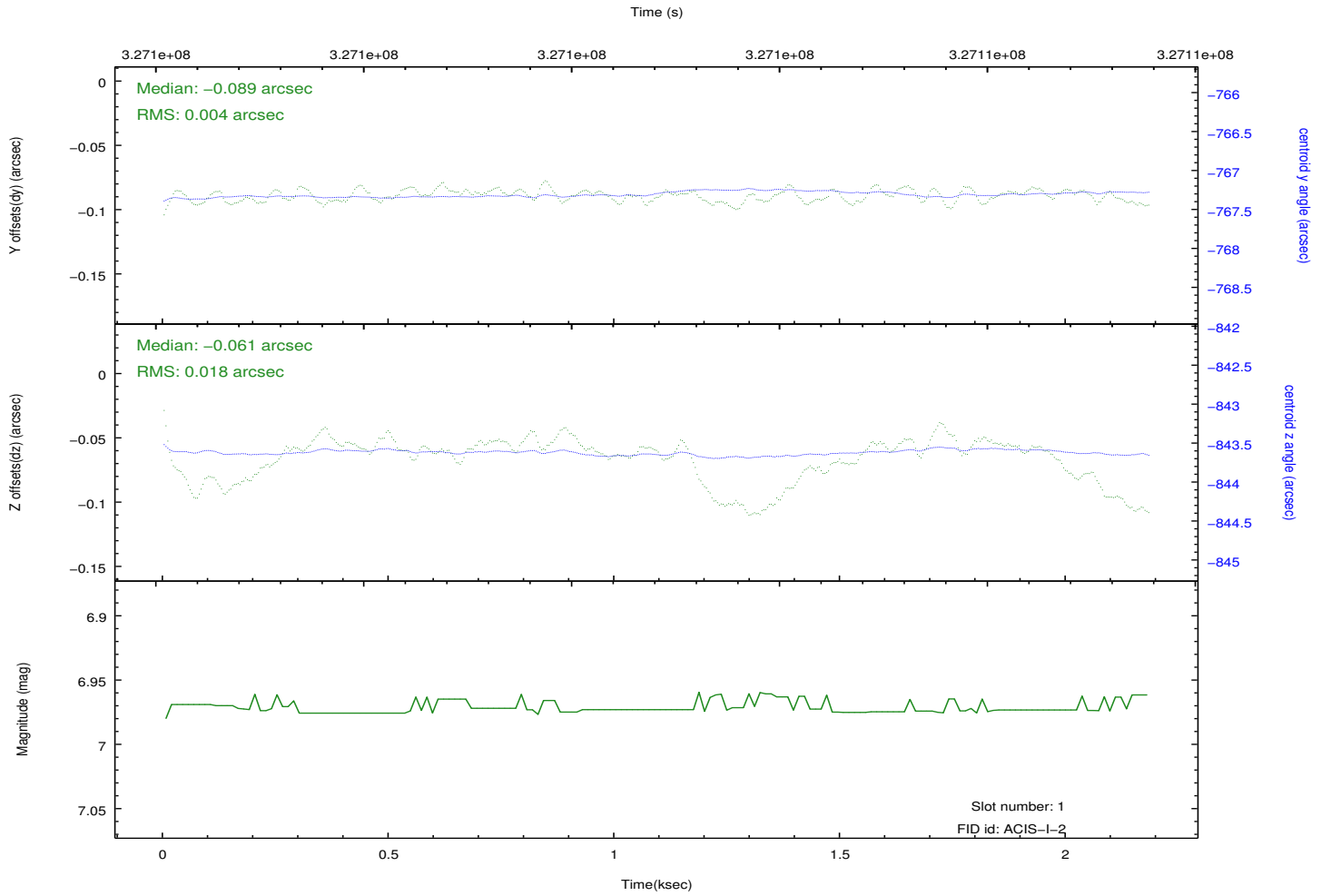
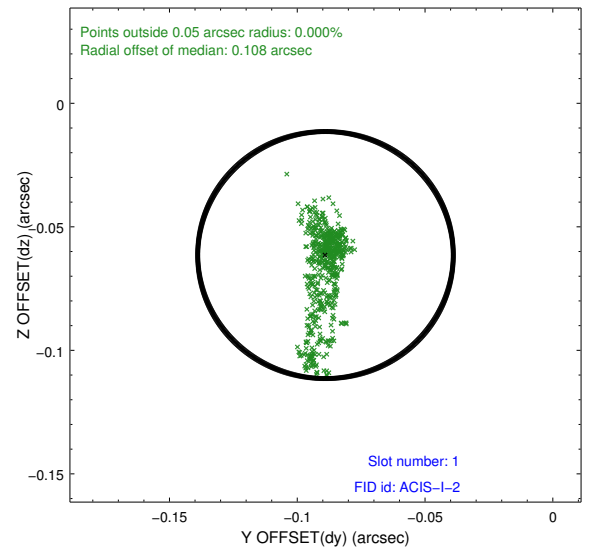
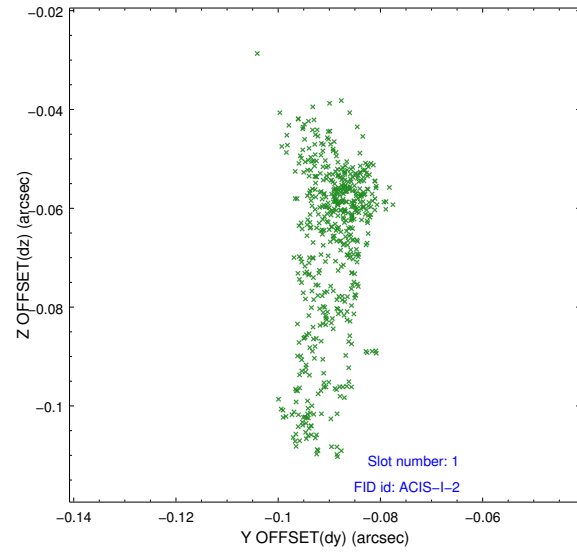


2.5 FID Slots

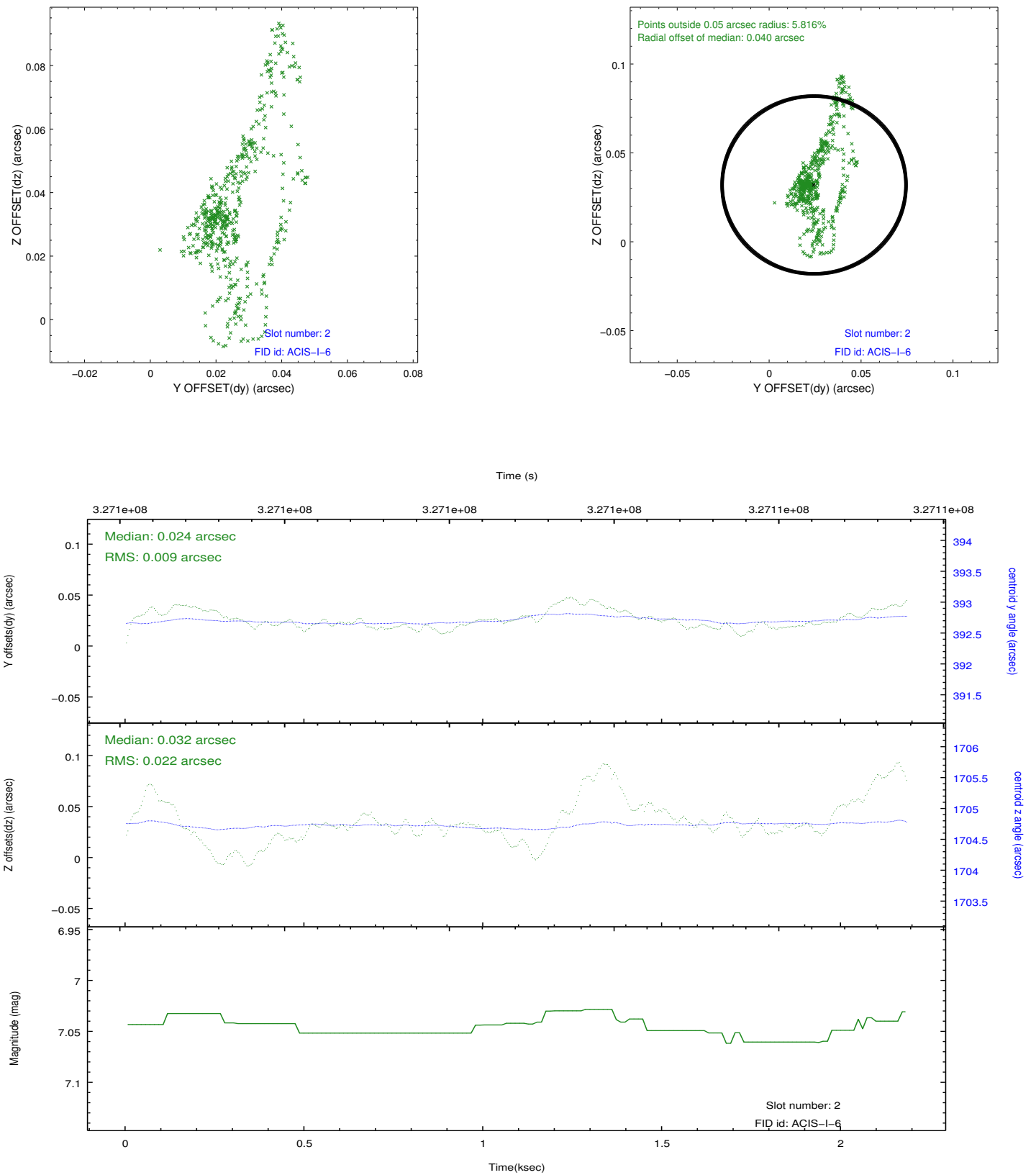
2.5.1 Slot 0



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)	2012.05.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.18240001

A.2 Comments

Joint proposal with NOAO.