

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8764 - L2 Version 2
Chandra X-Ray Center

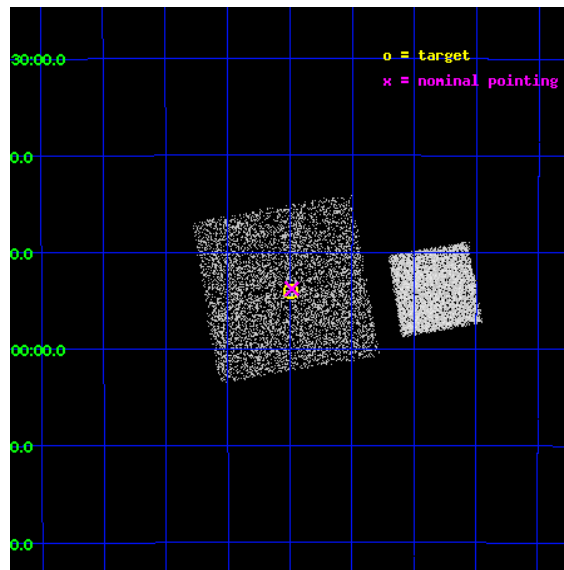
L2 Processing Date : May 14 2012

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1 Front

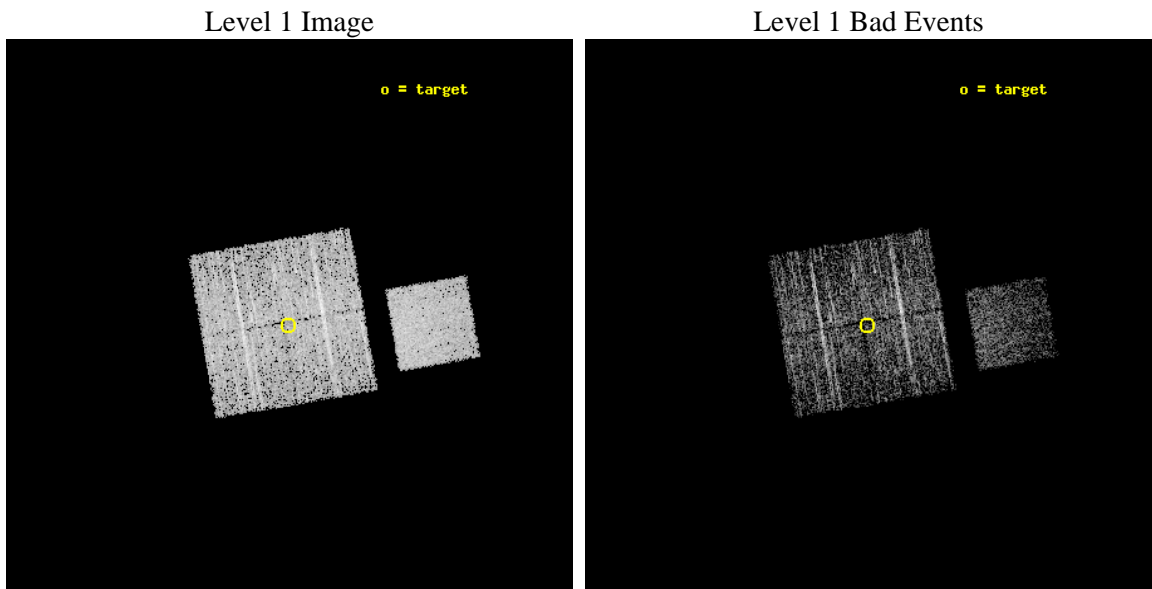
seq_num	400815	Sequence number
obs_id	8764	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	267.747872	Observer's specified target RA [deg]
dec_targ	-29.901346	Observer's specified target Dec [deg]
ra_nom	267.74601487036	Nominal RA [deg]
dec_nom	-29.896523049307	Nominal Dec [deg]
roll_nom	80.207775979266	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	16353	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	2012-05-14T23:20:18	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	102247	Number of level 1 events

2.1.4 Events

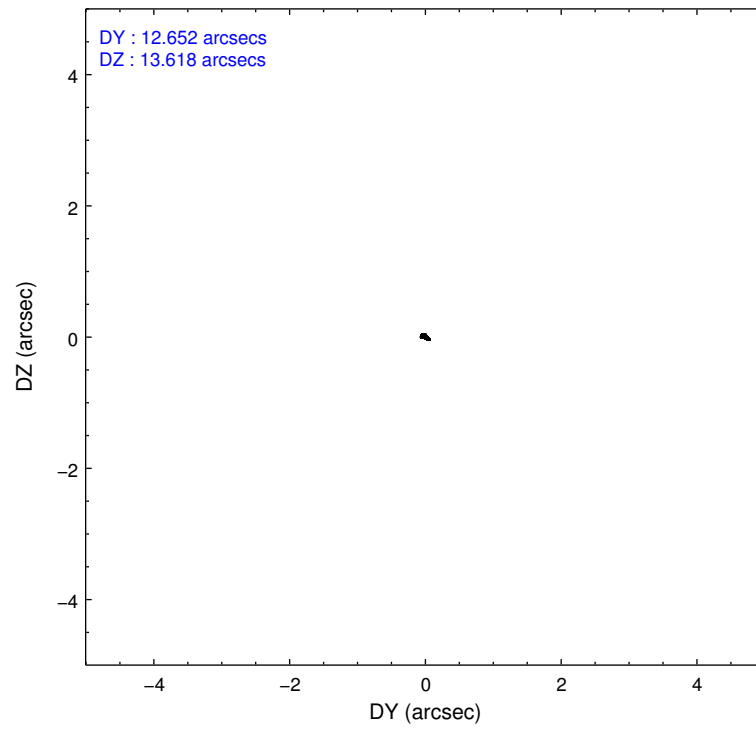
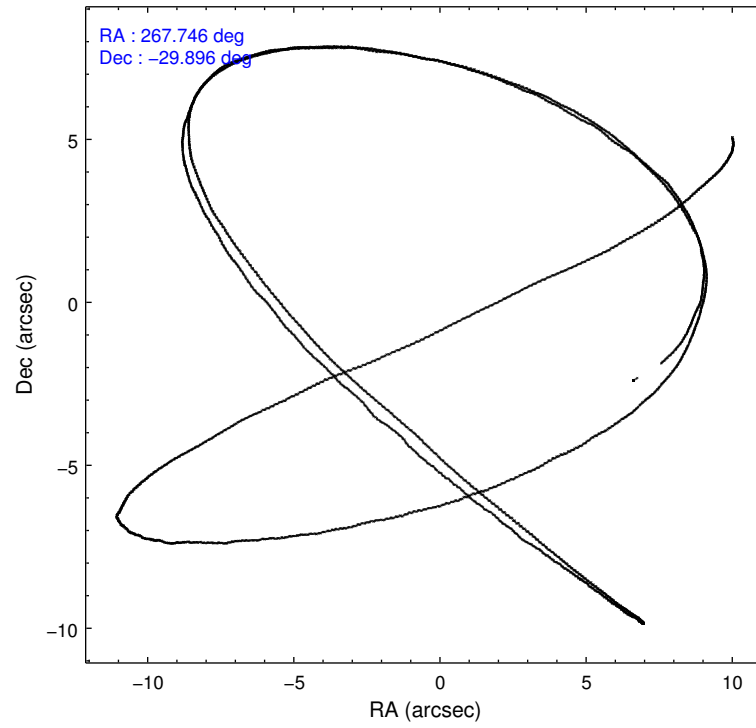
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	19510	18527	21652	19365	23193
rejected events	17282	16183	19546	17274	13939
rejected %	88%	87%	90%	89%	60%

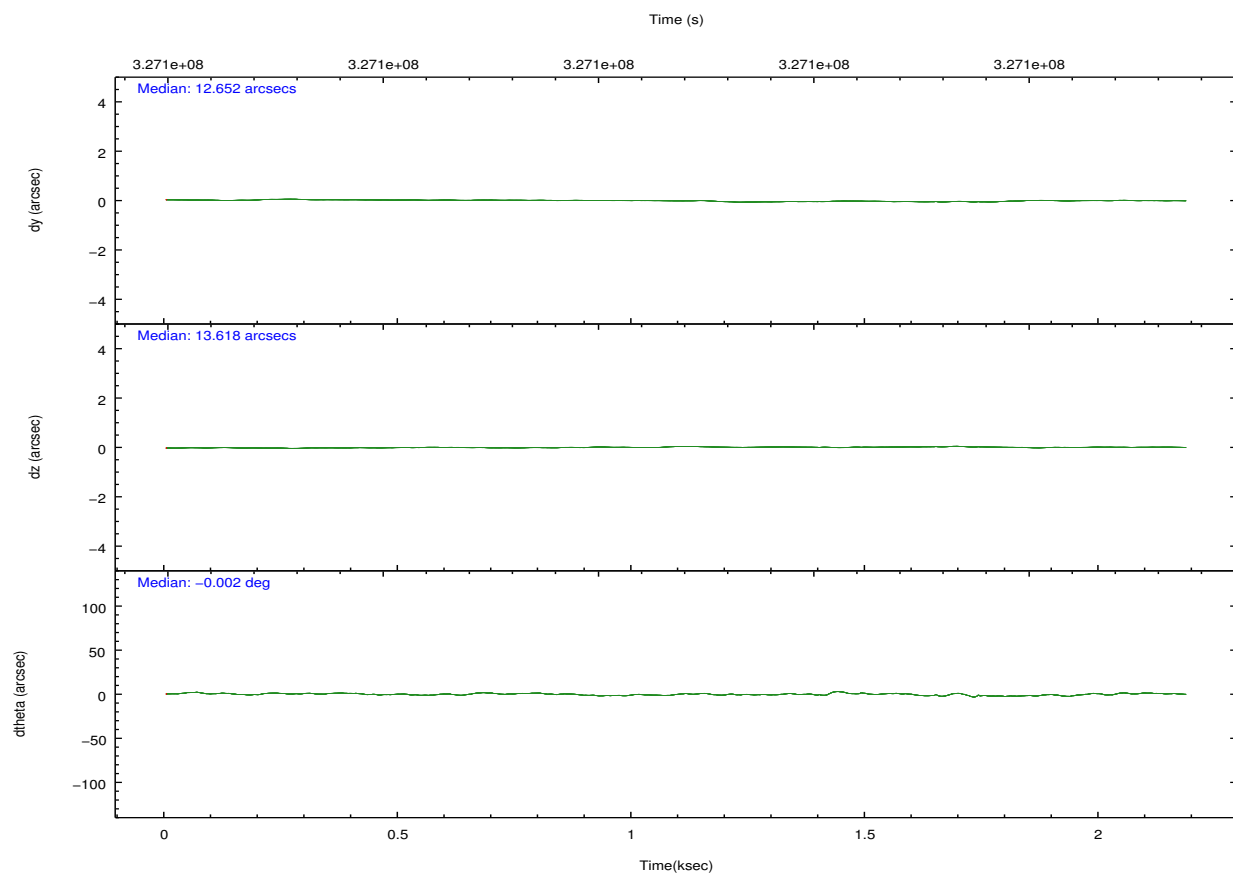
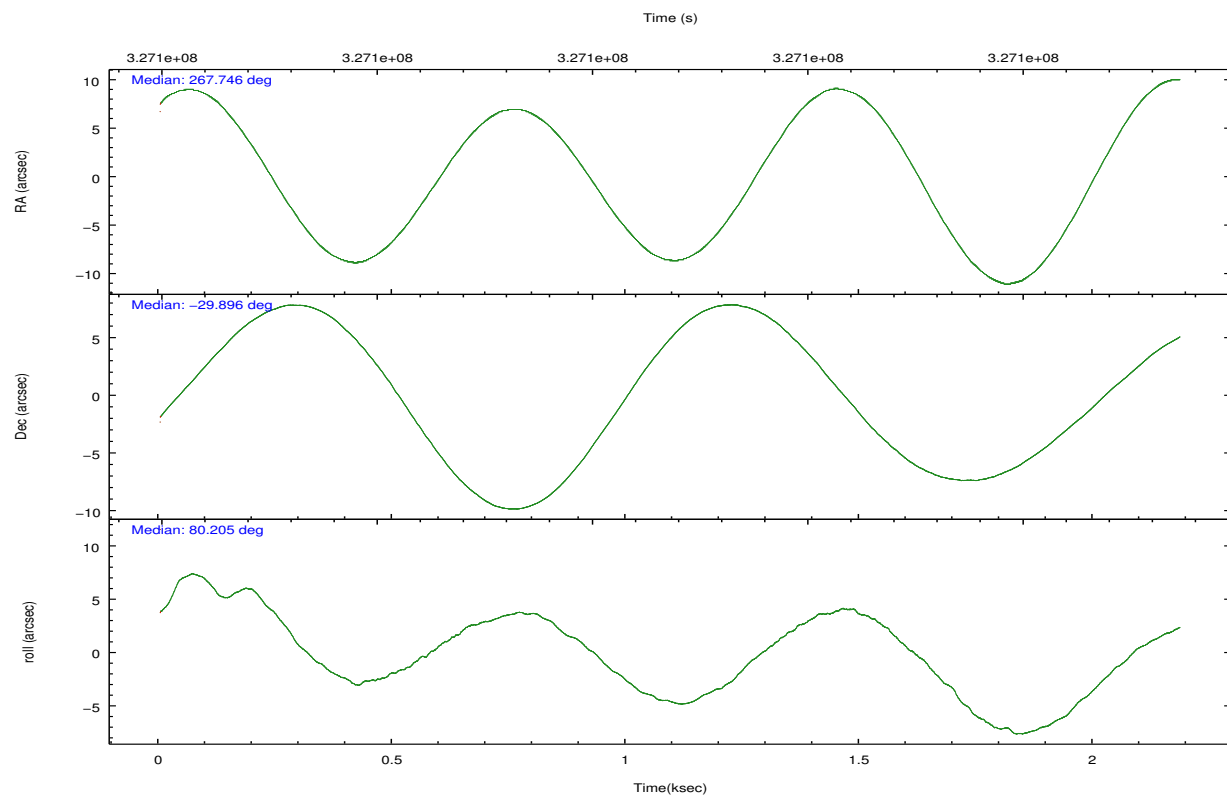
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	1167	1127	1109	1069	1074
	5%	6%	5%	5%	4%
grade 1 events	9	20	16	8	40
	0%	0%	0%	0%	0%
grade 2 events	524	592	513	469	2247
	2%	3%	2%	2%	9%
grade 3 events	252	257	209	229	994
	1%	1%	0%	1%	4%
grade 4 events	236	268	226	223	953
	1%	1%	1%	1%	4%
grade 5 events	696	773	642	762	2372
	3%	4%	2%	3%	10%
grade 6 events	387	445	374	409	5372
	1%	2%	1%	2%	23%
grade 7 events	16239	15045	18563	16196	10141
	83%	81%	85%	83%	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	267.757059	267.7460148703611	CCD I2 on	Y	Y
[deg] Pointing Dec	-29.922381	-29.89652304930696	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004585	80.20777597926637	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)	327098782.184000	327098406.11493	CCD S5 on	N	N
Observation start date	2008-05-13T20:45:17	2008-05-13T20:40:06	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327100782.184000	327100915.82755	On-chip summing requested	N	N
Observation end date	2008-05-13T21:18:37	2008-05-13T21:21:55	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



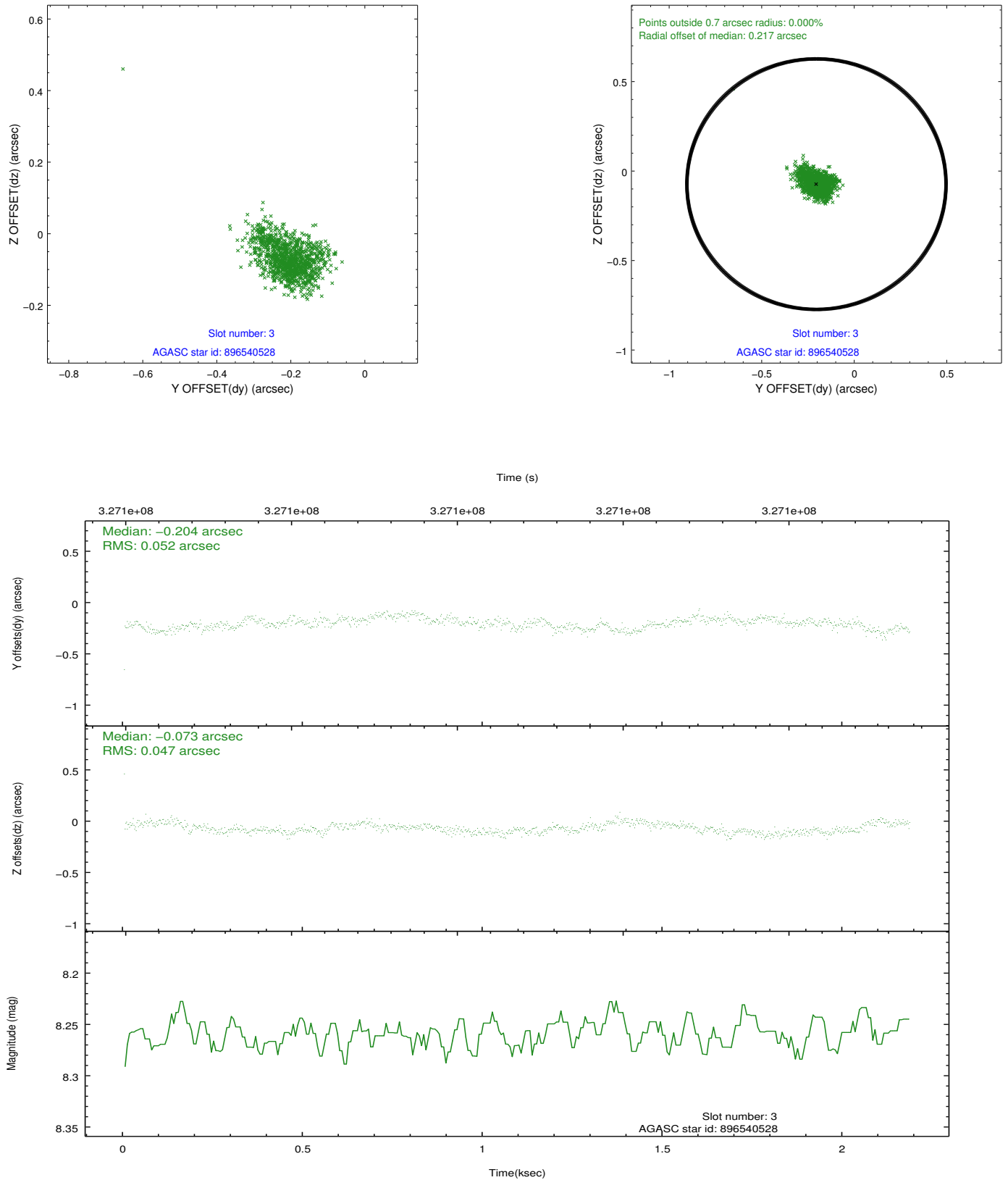


Slot Statistics

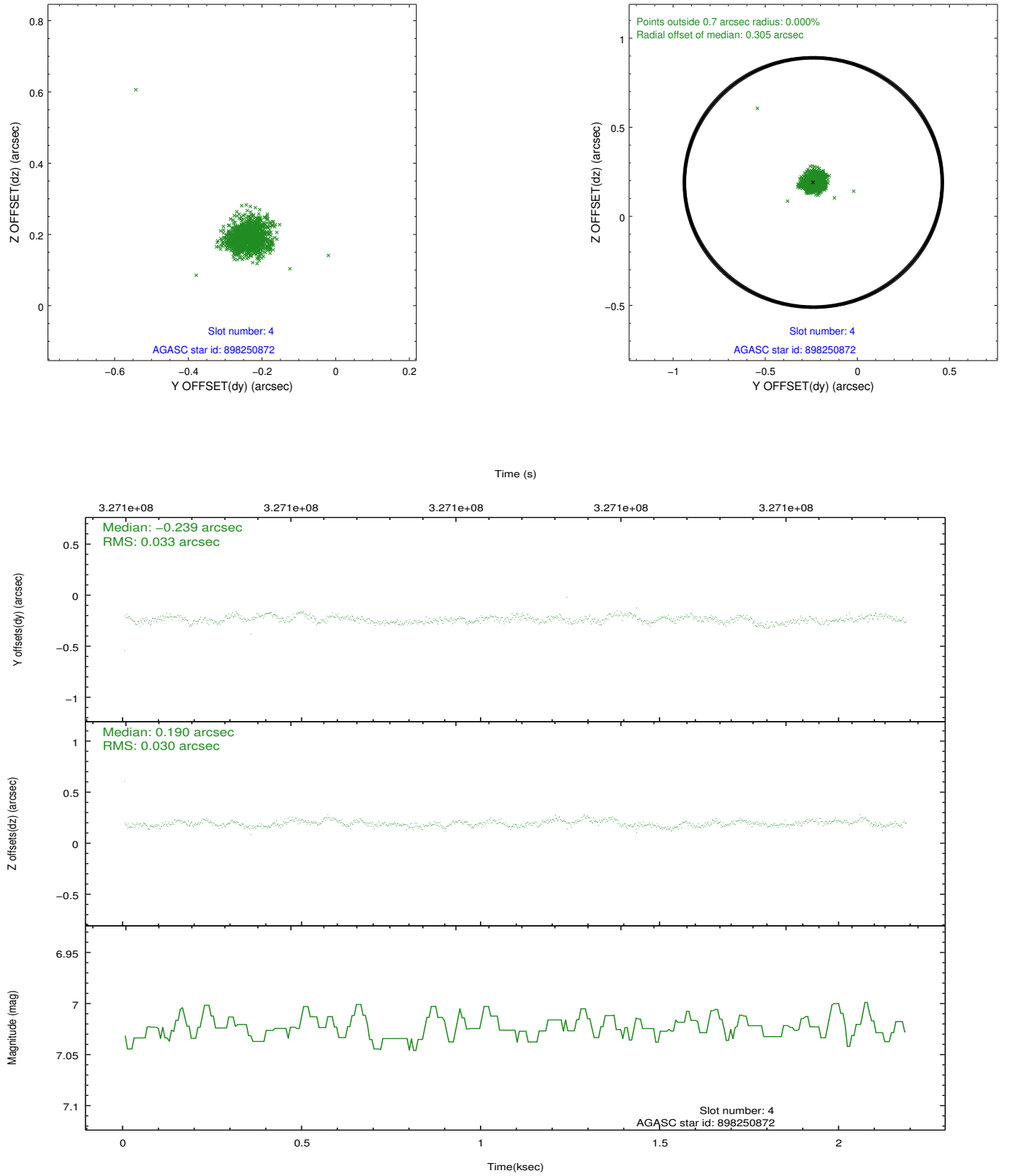
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-4	7.00	533	0.139	0.030	0.010	0.017	0.000000	0.000000	2146.98	1062.73
1	FID	ACIS-I-5	7.04	533	-0.229	0.027	0.011	0.020	0.000000	0.000000	-1817.52	1062.41
2	FID	ACIS-I-6	7.05	533	-0.008	0.010	0.010	0.019	0.000000	0.000000	389.17	1706.72
3	GUIDE	896540528	8.26	1066	-0.204	-0.073	0.072	0.115	267.368305	-29.314773	1939.83	1580.99
4	GUIDE	898250872	7.02	1066	-0.239	0.190	0.043	0.070	268.026303	-29.632040	1176.01	-646.55
5	GUIDE	966926496	8.10	1065	0.222	-0.169	0.067	0.112	267.109389	-30.299474	-1691.13	1745.66
6	GUIDE	898248800	8.22	1066	-0.052	0.140	0.060	0.099	267.977609	-29.931731	83.79	-681.60
7	GUIDE	966920512	8.36	1065	0.274	-0.089	0.054	0.090	267.231170	-30.494681	-2315.82	1247.76

2.4 Star Slots

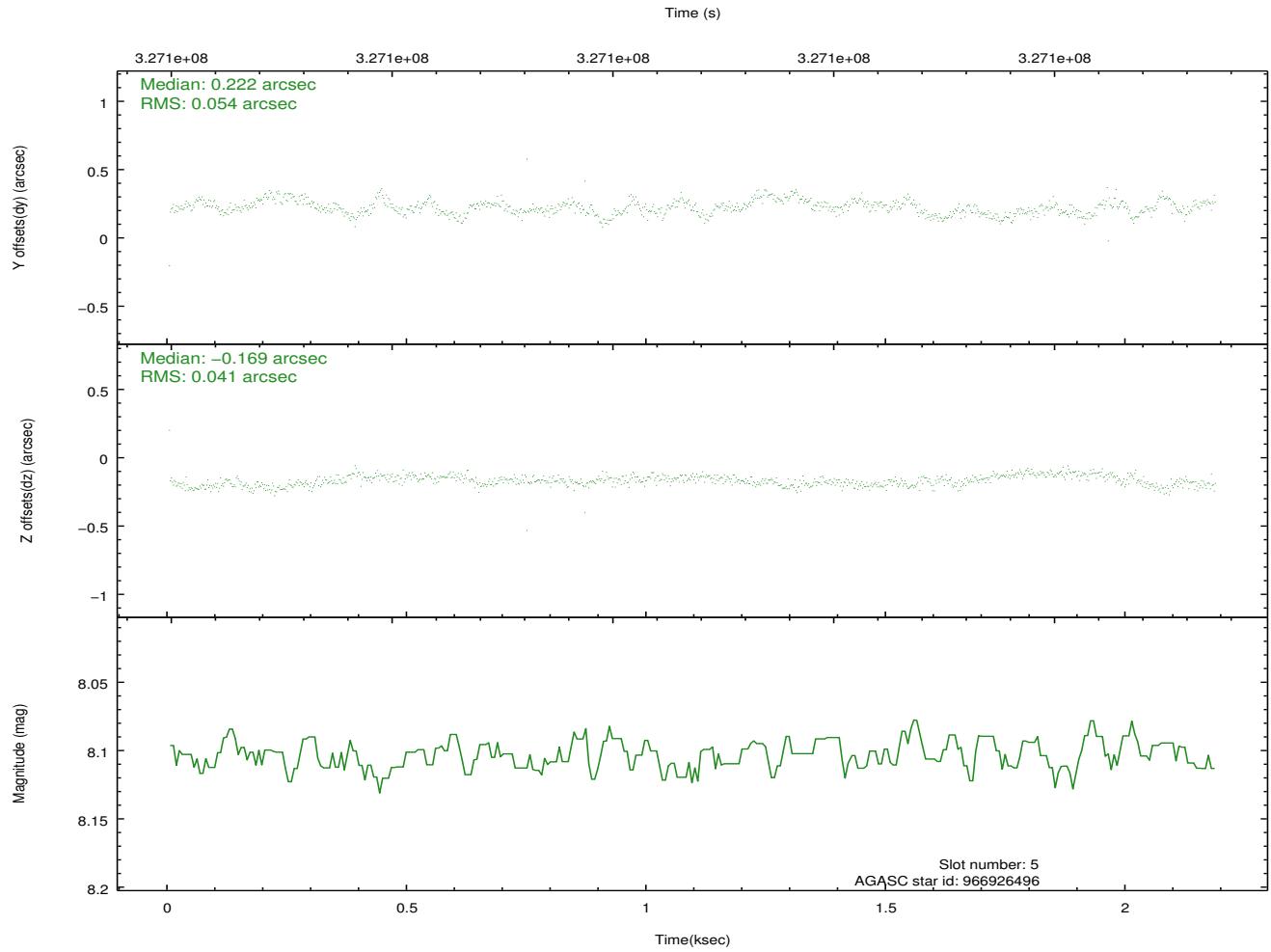
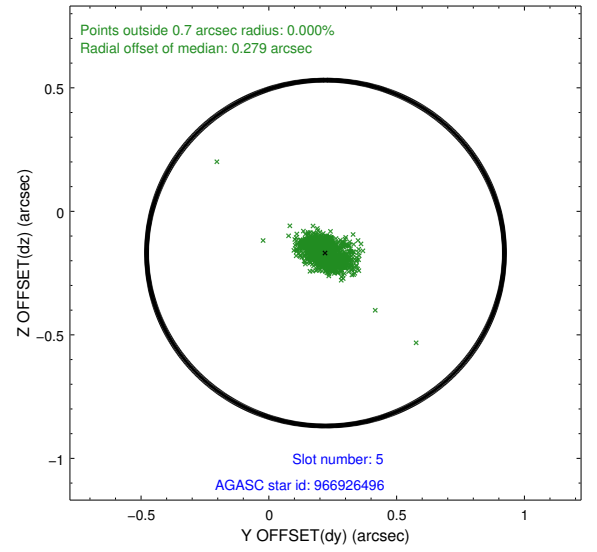
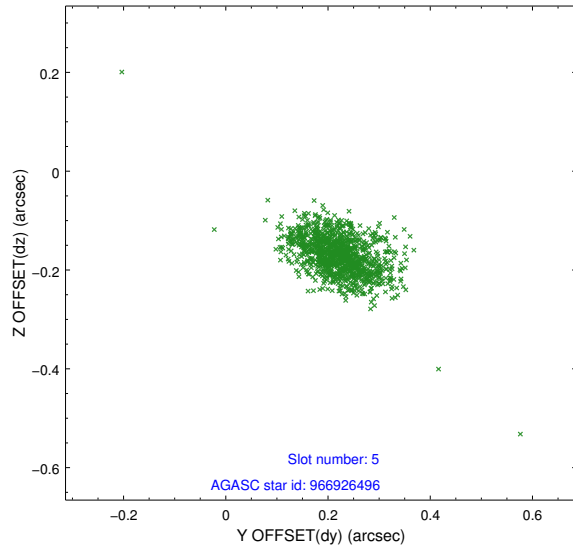
2.4.1 Slot 3



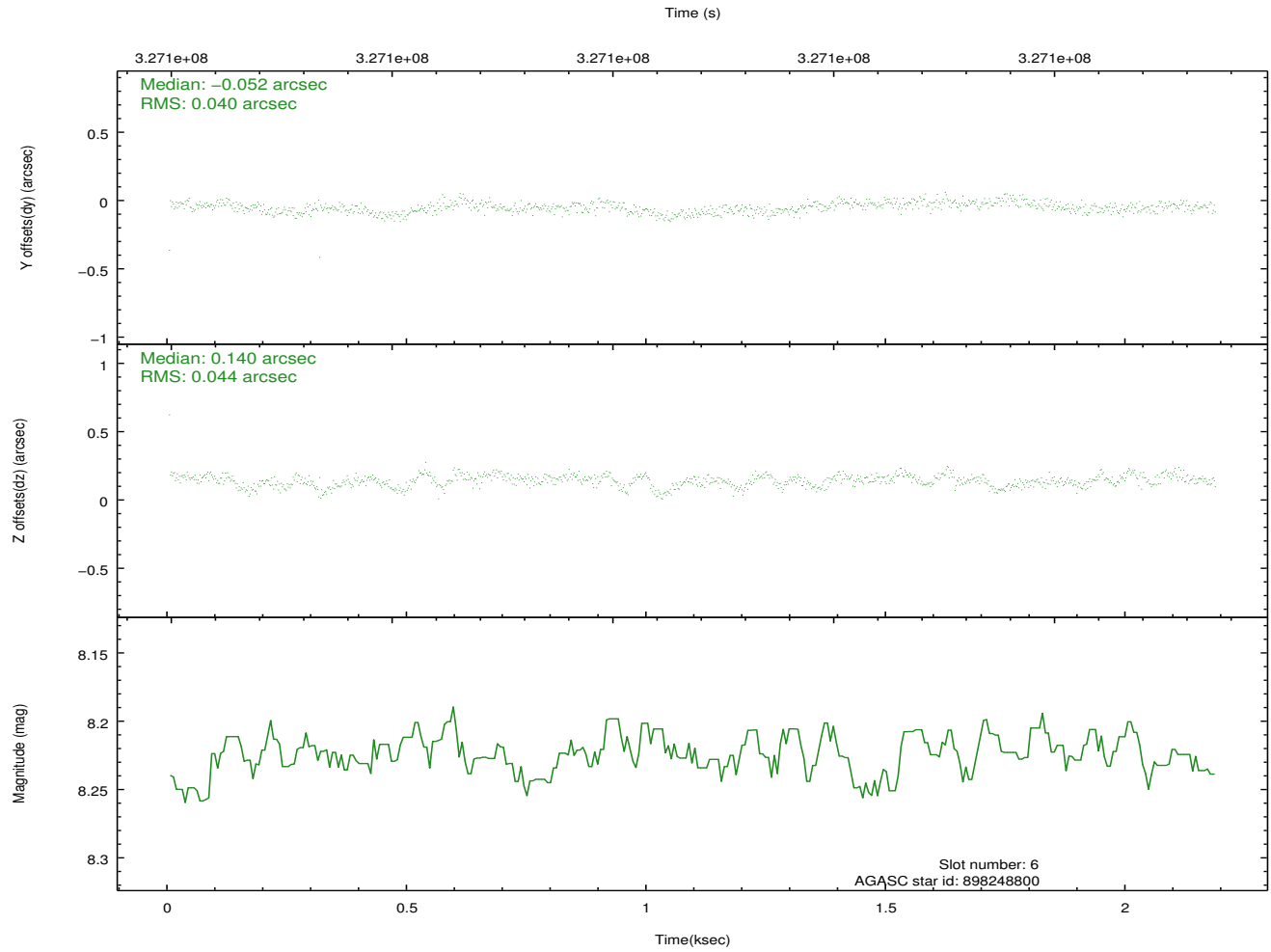
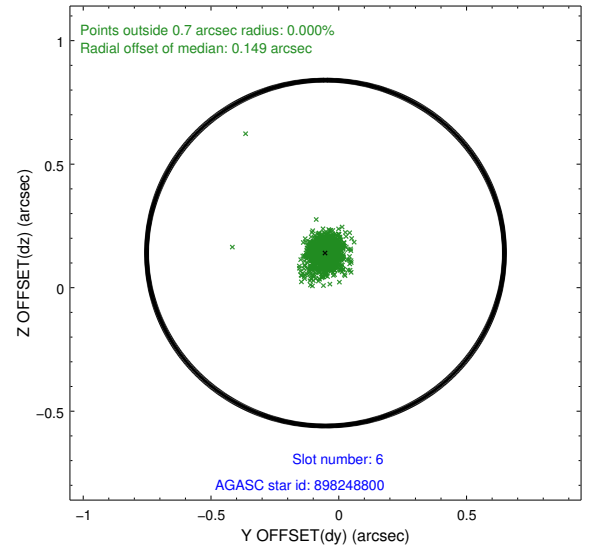
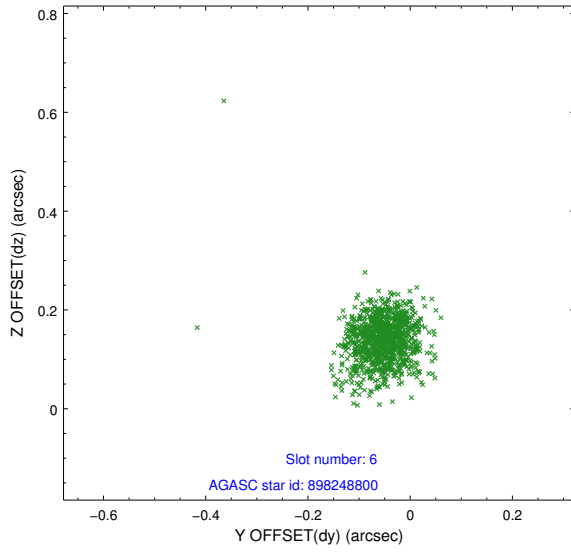
2.4.2 Slot 4



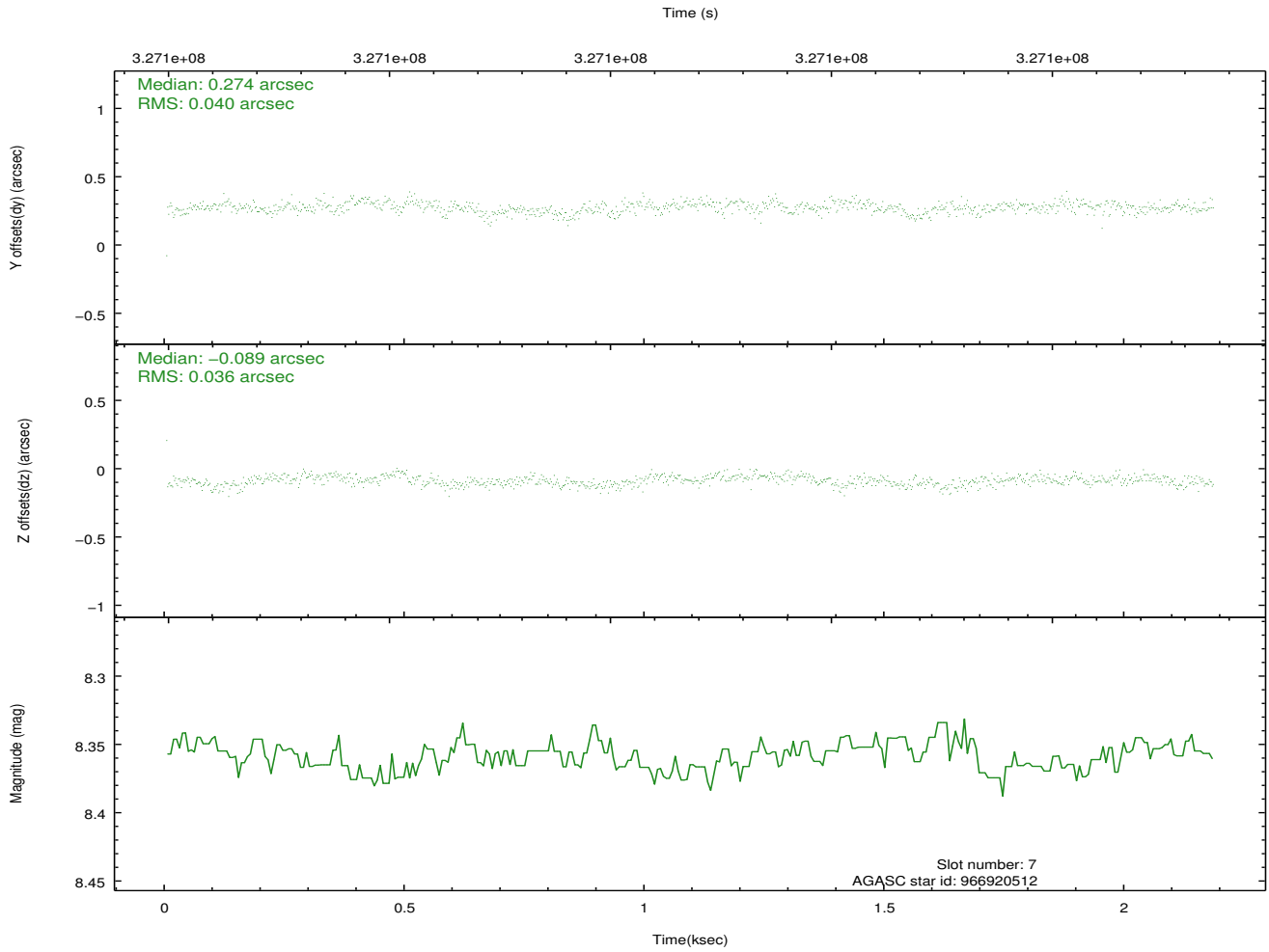
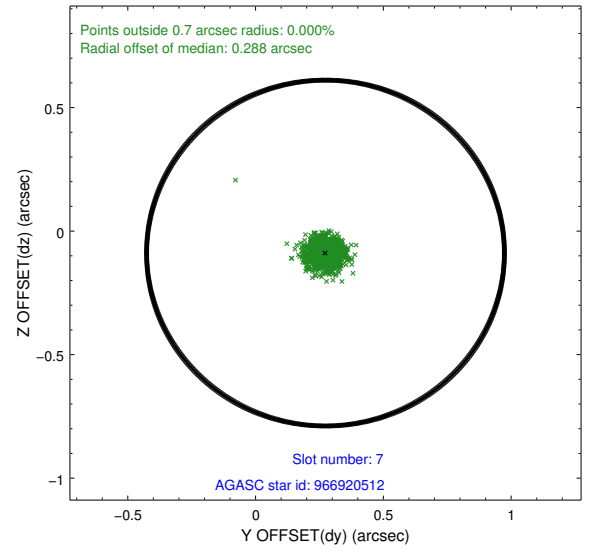
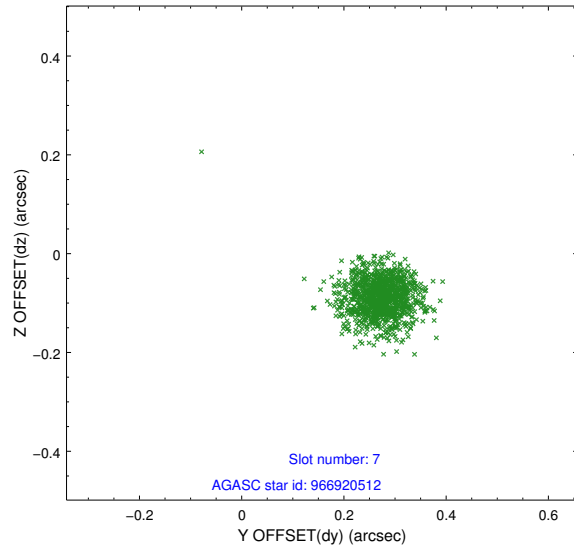
2.4.3 Slot 5



2.4.4 Slot 6

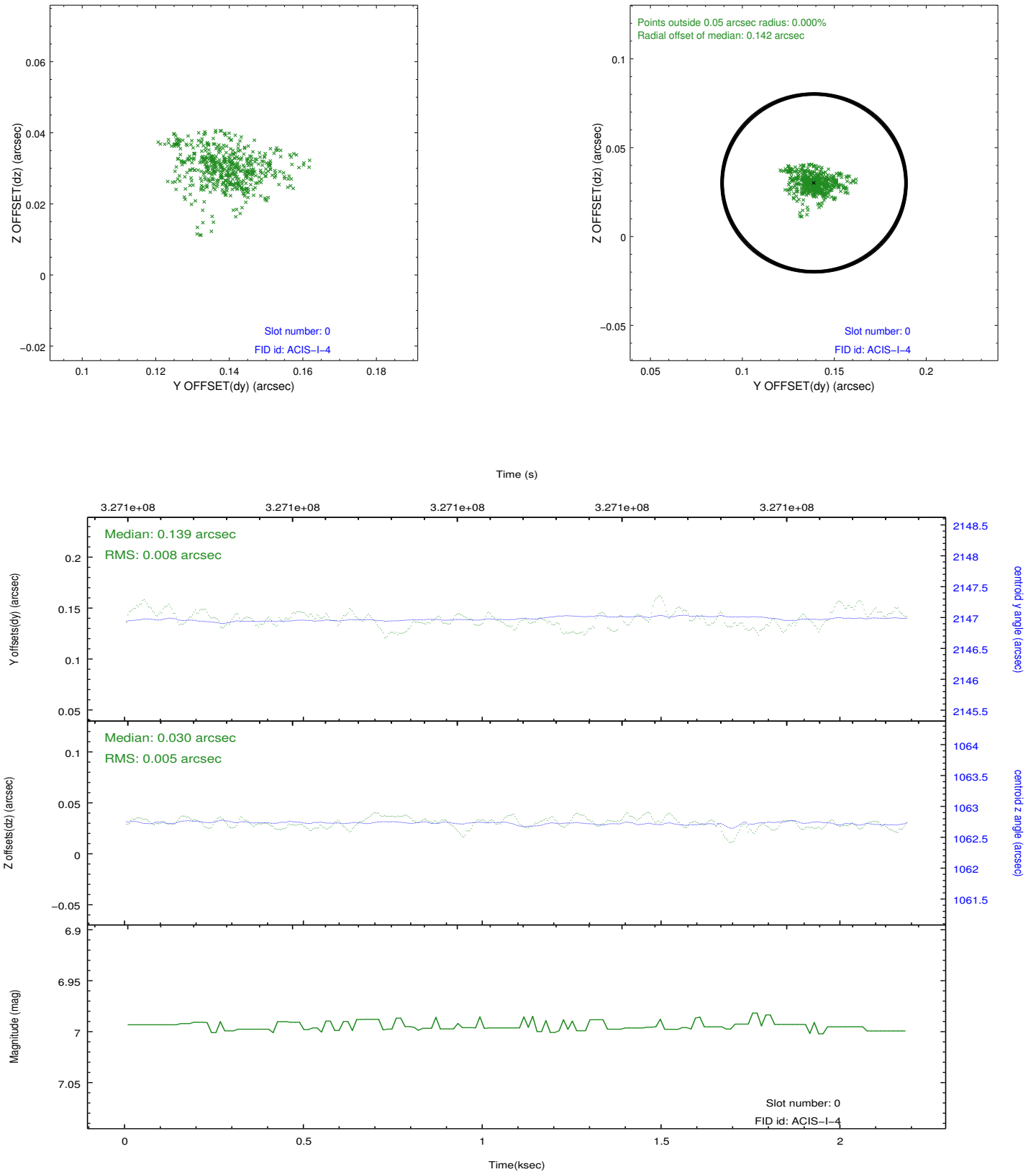


2.4.5 Slot 7

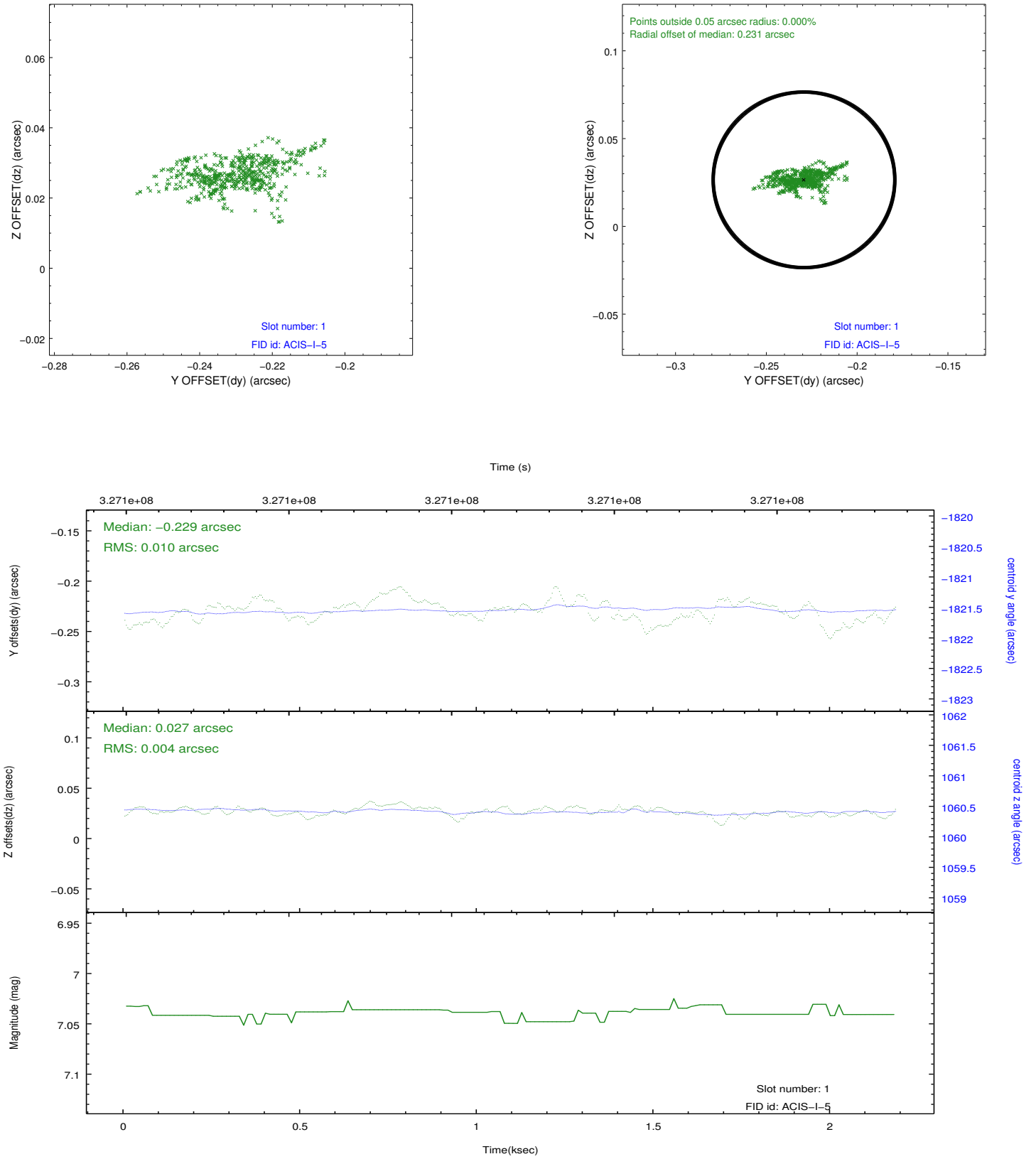


2.5 FID Slots

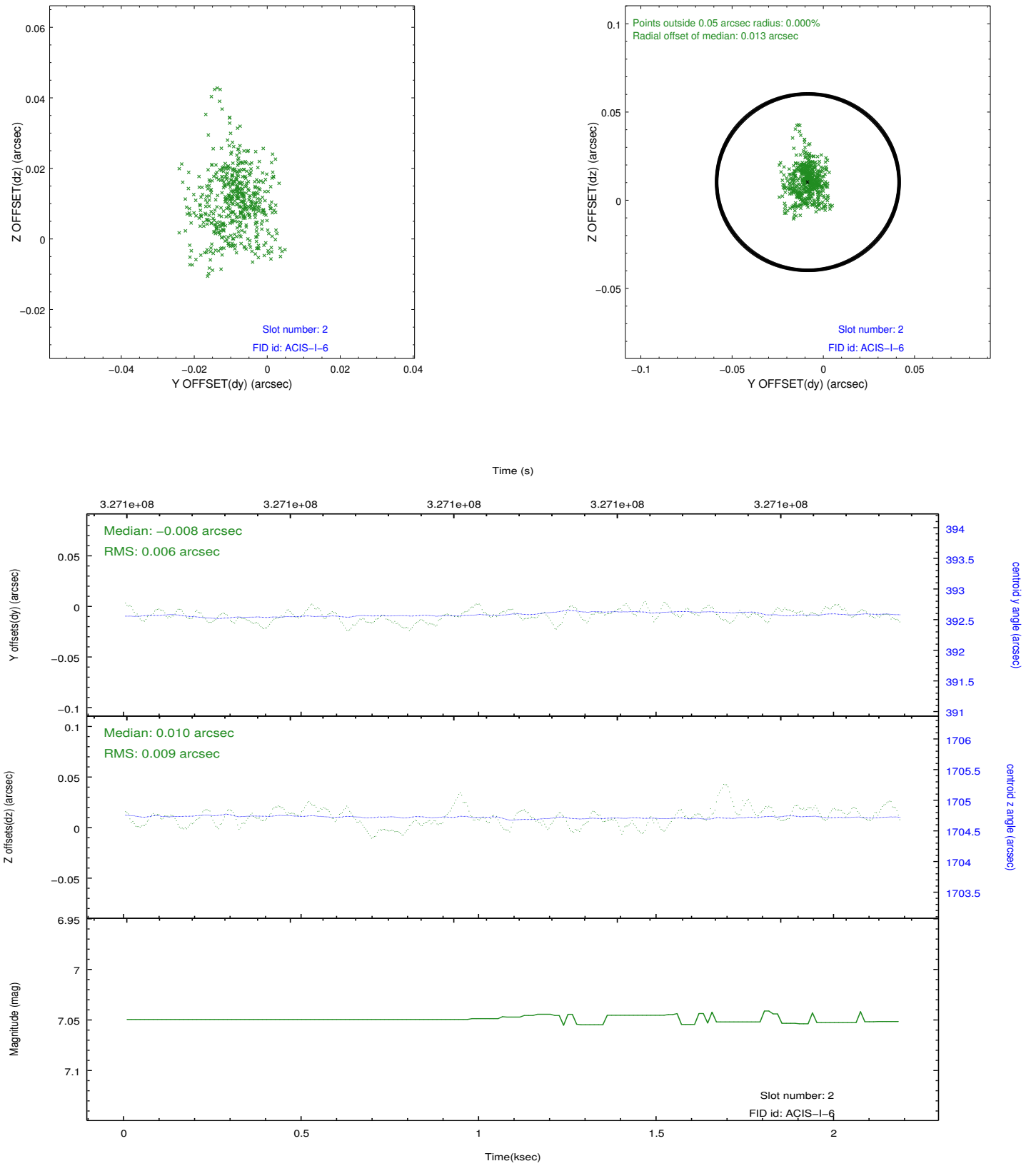
2.5.1 Slot 0



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	2.18550001

A.2 Comments

Joint proposal with NOAO.