

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10019 - L2 Version 2
Chandra X-Ray Center

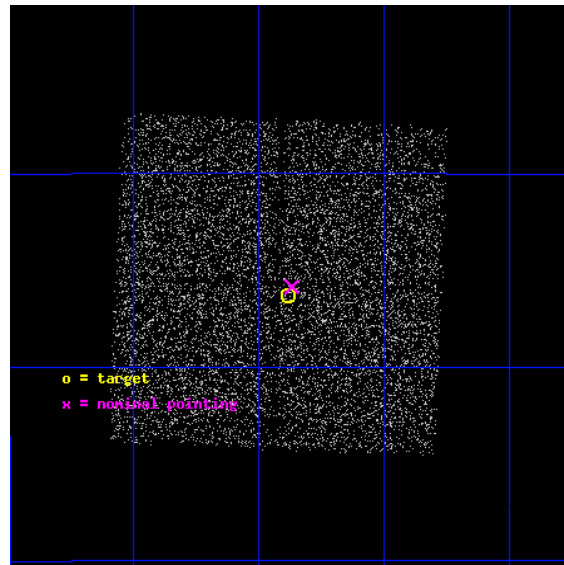
L2 Processing Date : Jun 1 2012

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1 Front

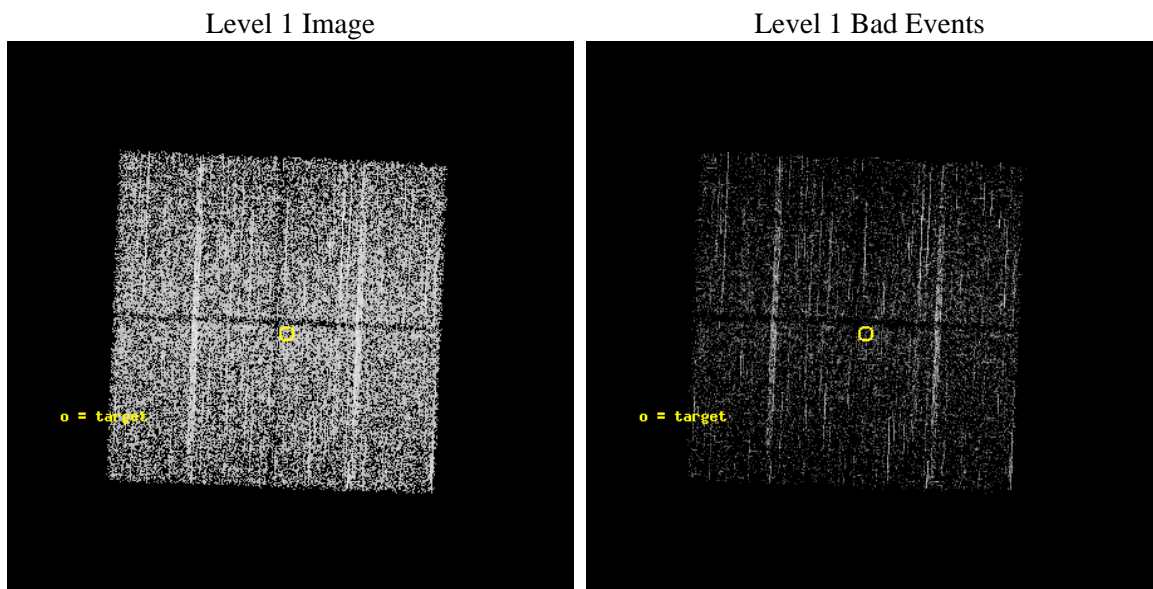
seq_num	400983	Sequence number
obs_id	10019	Observation id
title	Completing the Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS6-10	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	263.720083	Observer's specified target RA [deg]
dec_targ	-29.105167	Observer's specified target Dec [deg]
ra_nom	263.7169640685	Nominal RA [deg]
dec_nom	-29.097488618397	Nominal Dec [deg]
roll_nom	92.367971630498	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2188.6000168324	Sum of GTIs [s]
livetime	2160.0043463885	Livetime [s]
ontime0	2188.6000168324	Sum of GTIs [s]
ontime1	2188.6000168324	Sum of GTIs [s]
ontime2	2188.6000168324	Sum of GTIs [s]
ontime3	2188.6000168324	Sum of GTIs [s]
l2events	10299	Number of level 2 events



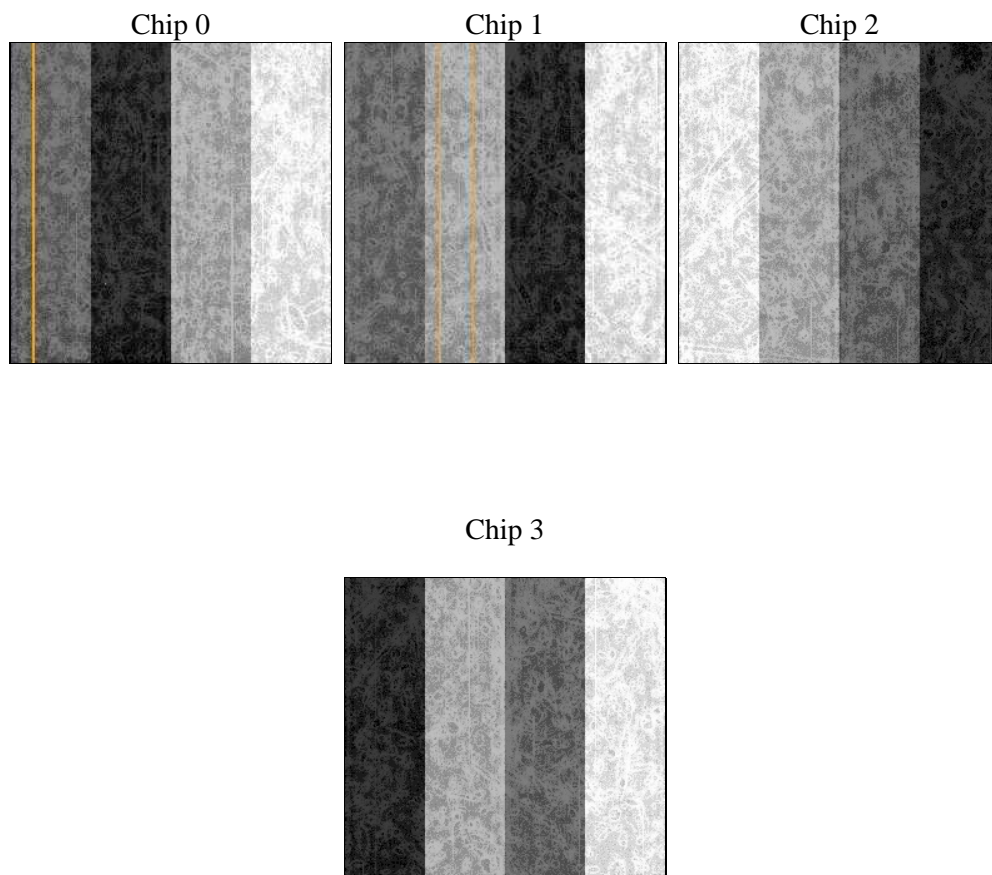
2 OBI

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	2188.6000168324	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	2188.6000168324	Sum of GTIs [s]
date	2012-06-01T06:00:24	Date and time of file creation	ontime1	2188.6000168324	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2188.6000168324	Sum of GTIs [s]
			ontime3	2188.6000168324	Sum of GTIs [s]
			l1events	97610	Number of level 1 events

2.1.4 Events

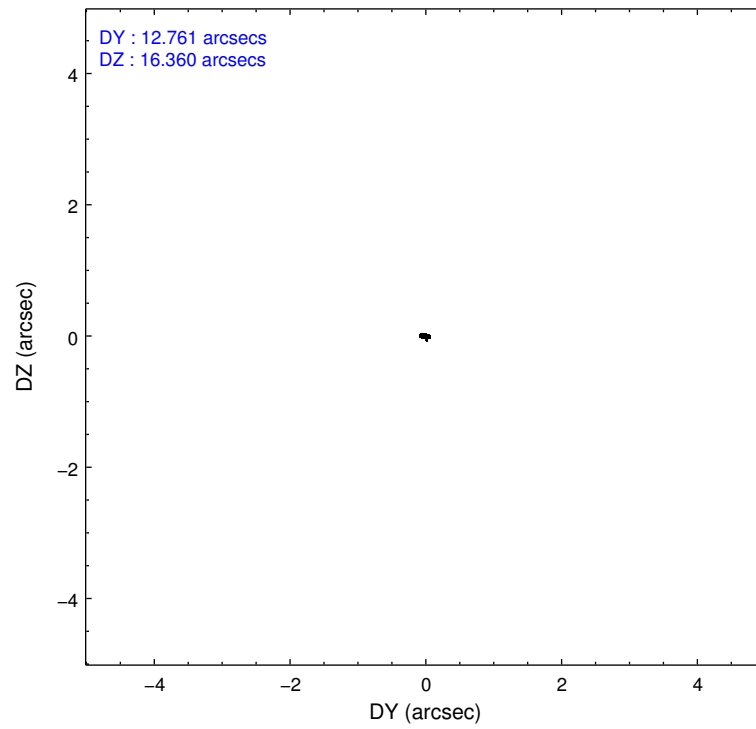
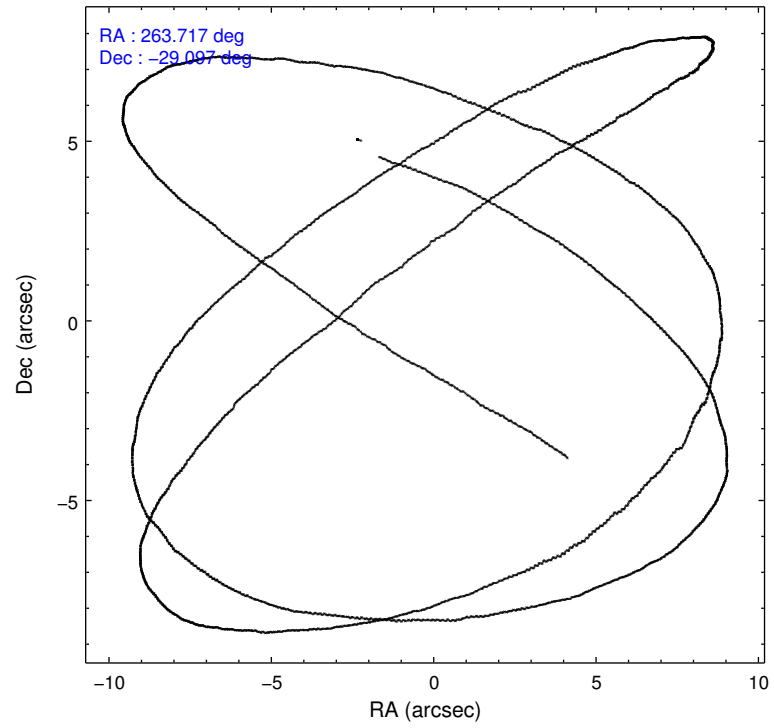
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	23287	23208	26277	24838
rejected events	20289	20164	23287	21952
rejected %	87%	86%	88%	88%

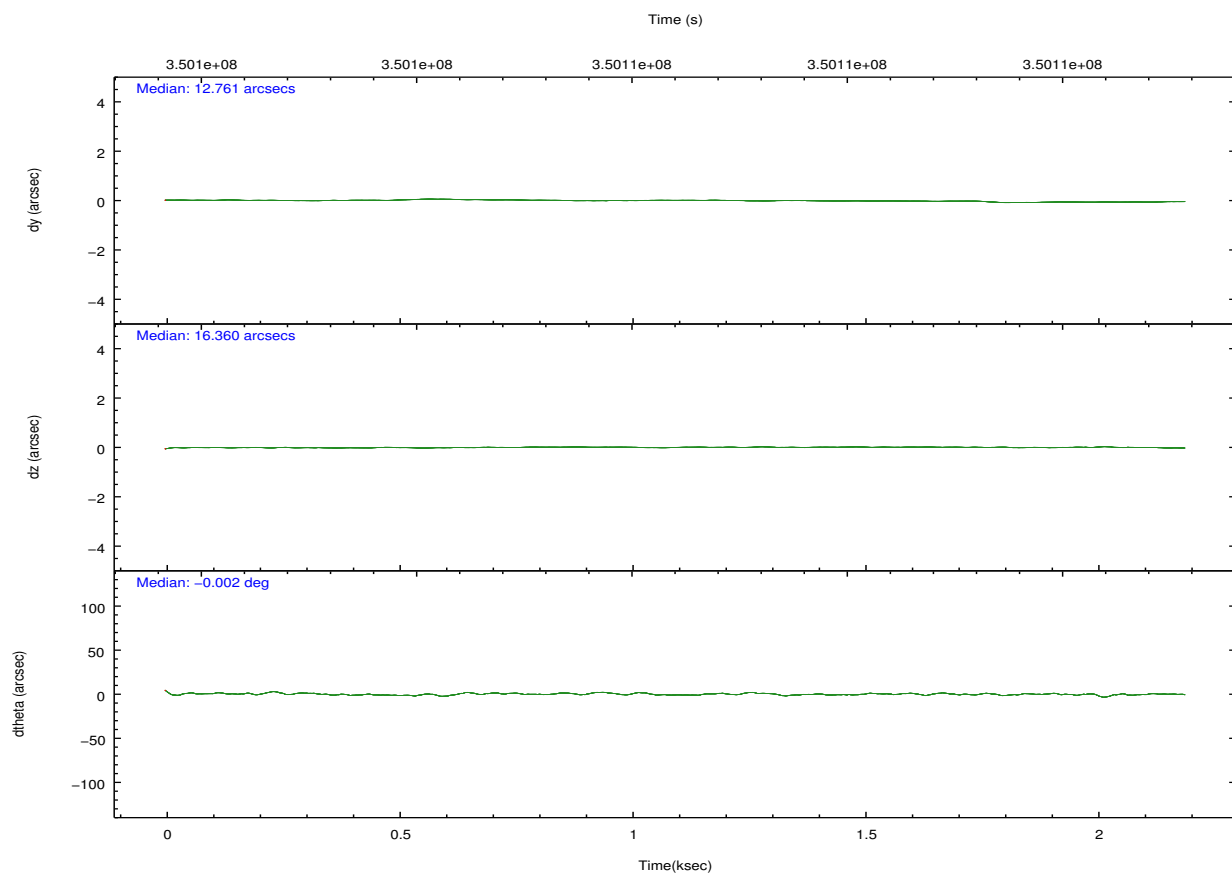
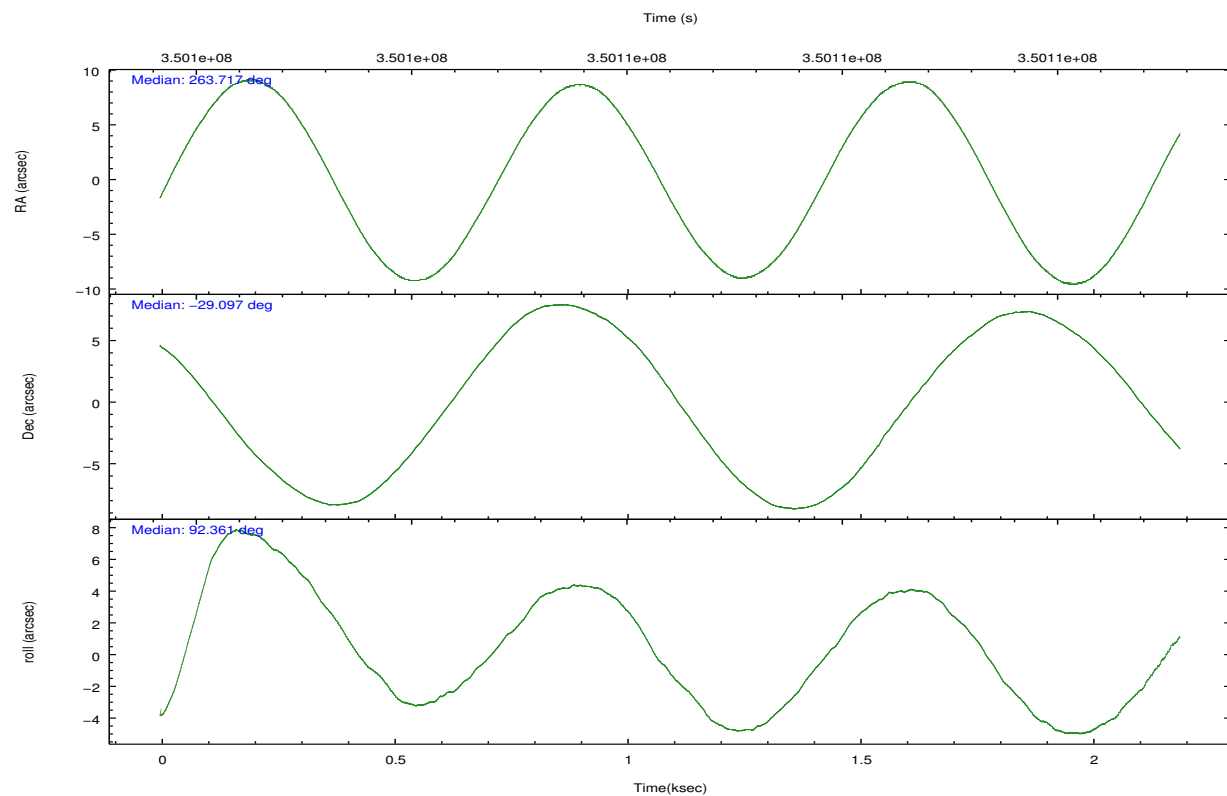
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1508	1449	1577	1543
	6%	6%	6%	6%
grade 1 events	10	12	17	22
	0%	0%	0%	0%
grade 2 events	742	802	747	638
	3%	3%	2%	2%
grade 3 events	311	307	250	275
	1%	1%	0%	1%
grade 4 events	301	284	280	261
	1%	1%	1%	1%
grade 5 events	1111	1199	1052	1266
	4%	5%	4%	5%
grade 6 events	572	660	580	574
	2%	2%	2%	2%
grade 7 events	18732	18495	21774	20259
	80%	79%	82%	81%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-0123	ACIS-0123	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	263.733929	263.7169640685032	Subarray requested	NONE	NONE
[deg] Pointing Dec	-29.120718	-29.09748861839705	Alternating exposures requested	N	N
[deg] Pointing Roll	92.167572	92.36797163049822	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	350104698.184000	350104322.40616			
Observation start date	2009-02-04T03:17:12	2009-02-04T03:12:02			
[s] Observation end time (MET)	350106698.184000	350106832.11878			
Observation end date	2009-02-04T03:50:32	2009-02-04T03:53:52			
Read mode	TIMED	TIMED			

2.3 Aspect



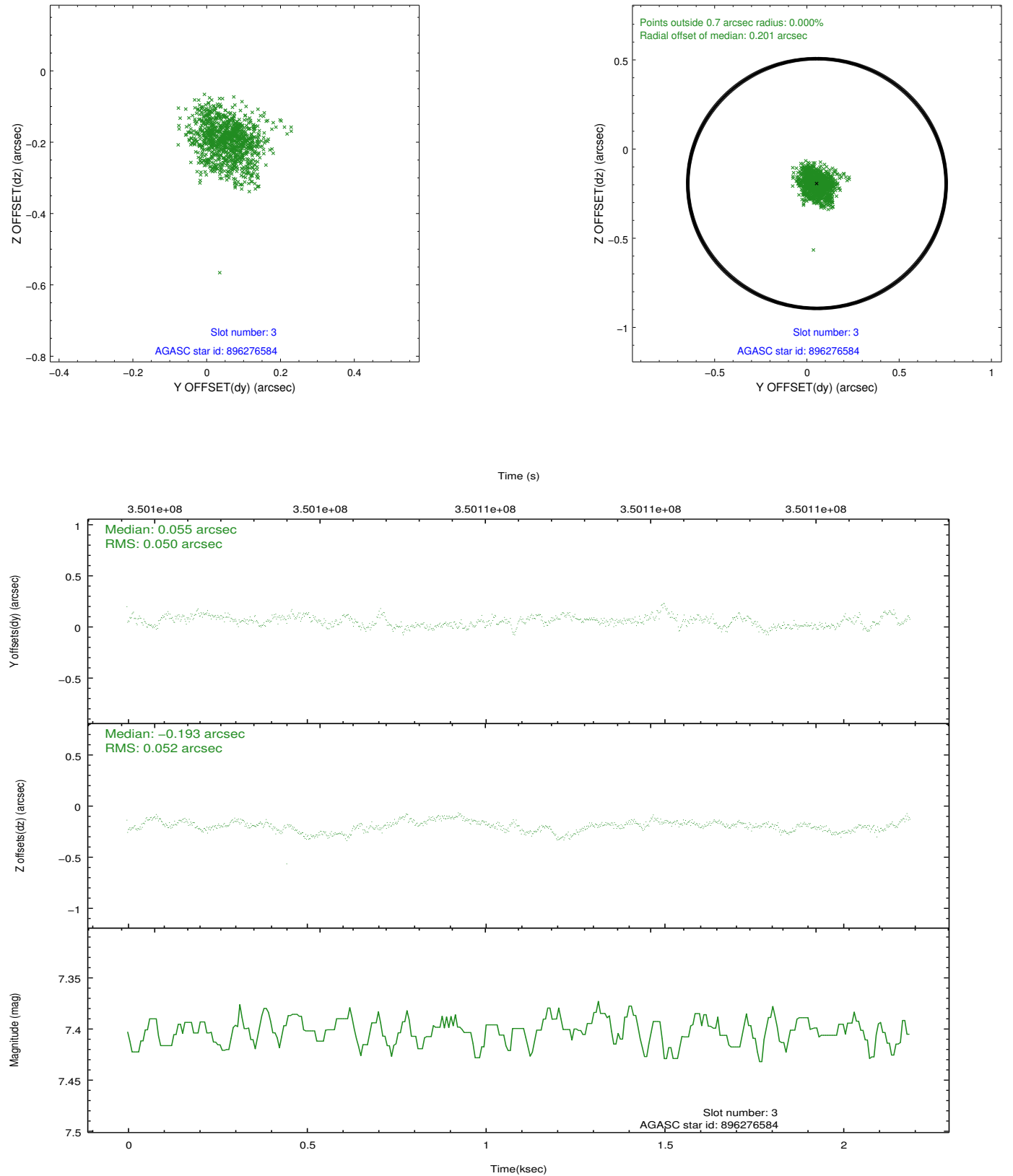


Slot Statistics

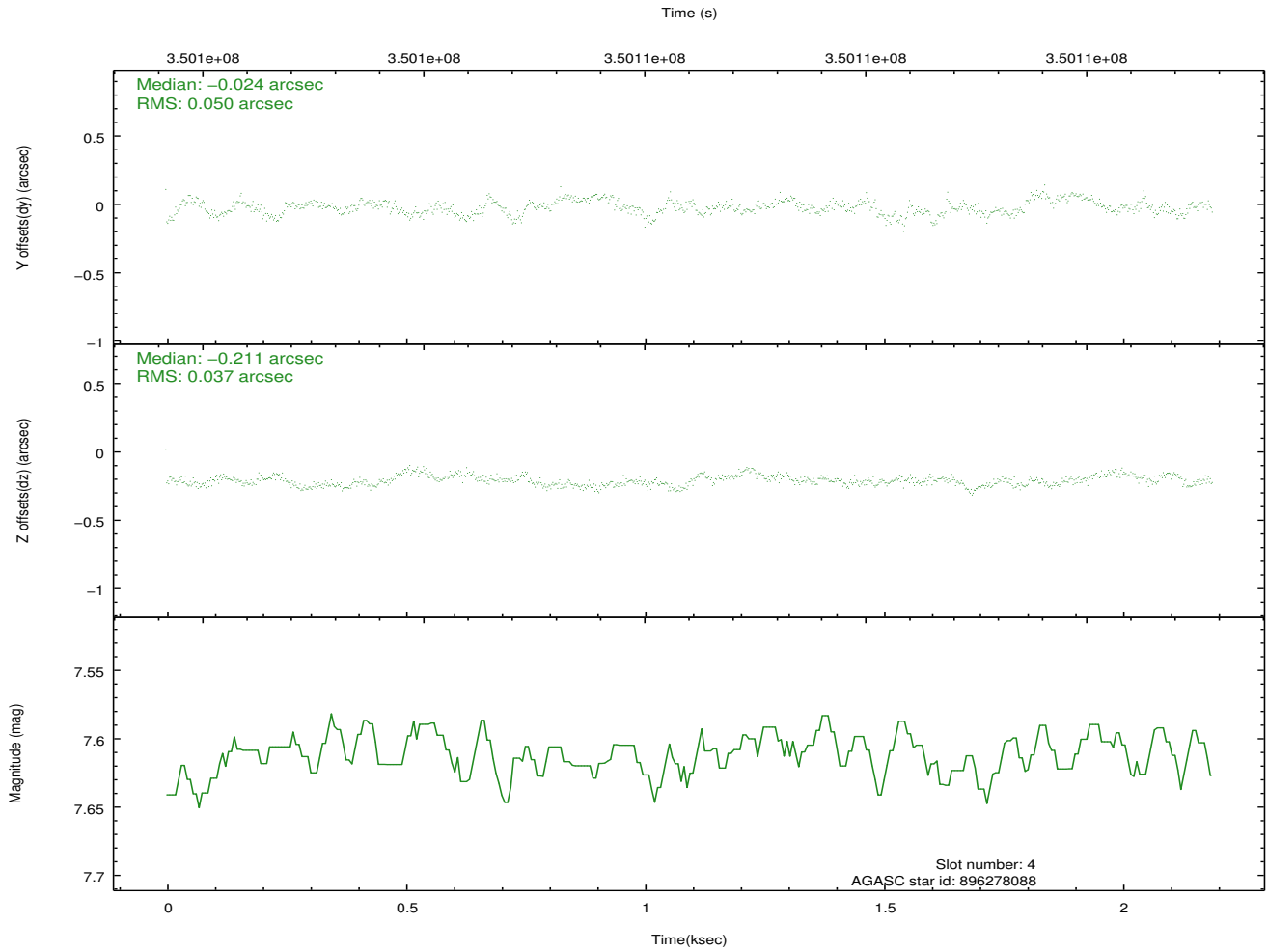
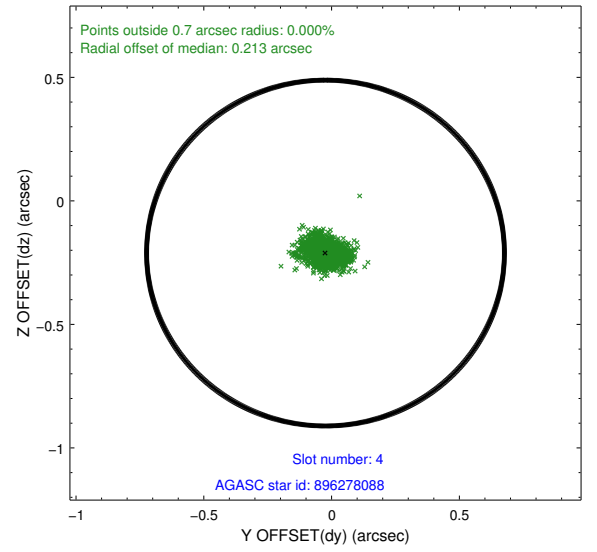
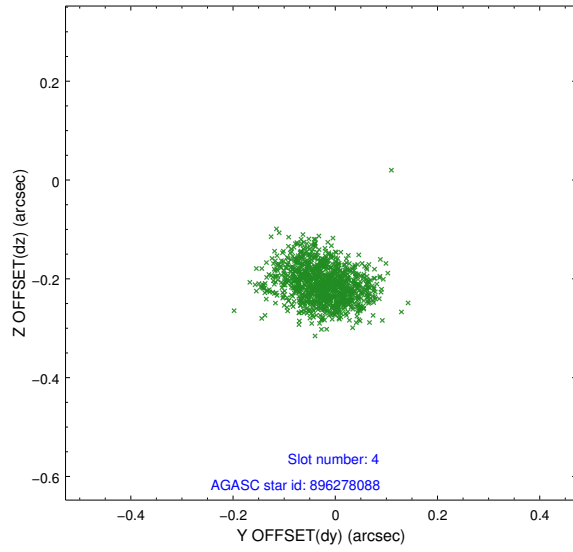
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	6.99	535	-0.063	-0.014	0.008	0.016	0.000000	0.000000	926.70	-840.01
1	FID	ACIS-I-2	6.93	535	-0.147	-0.059	0.006	0.010	0.000000	0.000000	-765.82	-847.99
2	FID	ACIS-I-4	6.92	535	0.112	0.141	0.005	0.010	0.000000	0.000000	2145.41	1058.44
3	GUIDE	896276584	7.40	1068	0.055	-0.193	0.077	0.122	263.264332	-29.650845	-1854.70	1540.22
4	GUIDE	896278088	7.61	1069	-0.024	-0.211	0.065	0.105	263.476198	-29.223388	-341.53	824.54
5	GUIDE	896403072	8.34	1069	-0.088	0.083	0.054	0.092	263.956439	-28.943077	611.51	-723.53
6	GUIDE	896406568	8.27	1069	0.050	0.056	0.084	0.144	264.435951	-28.437282	2368.95	-2313.82
7	GUIDE	896406904	8.98	1065	0.007	0.272	0.068	0.110	264.311862	-29.742267	-2306.44	-1722.48

2.4 Star Slots

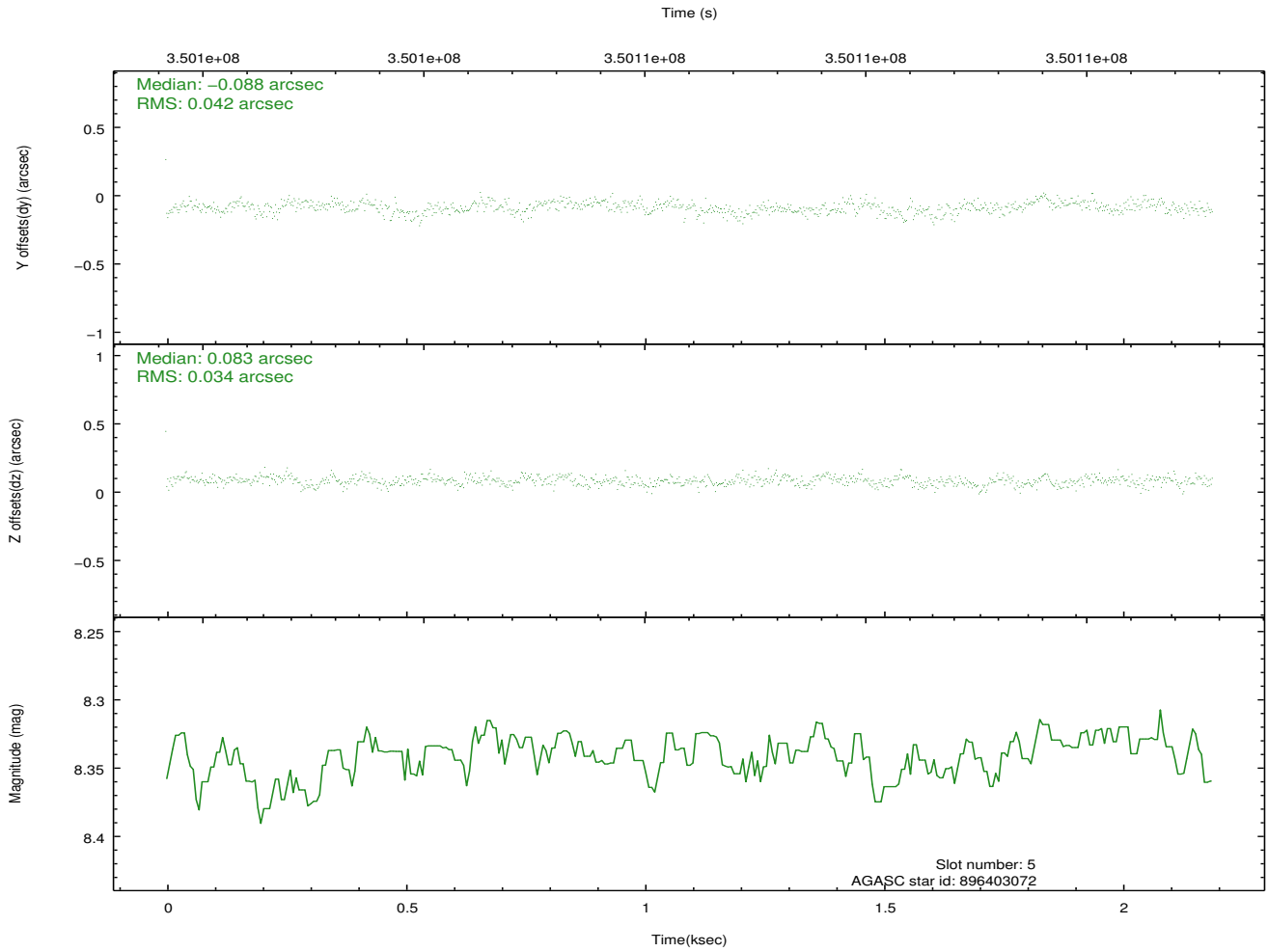
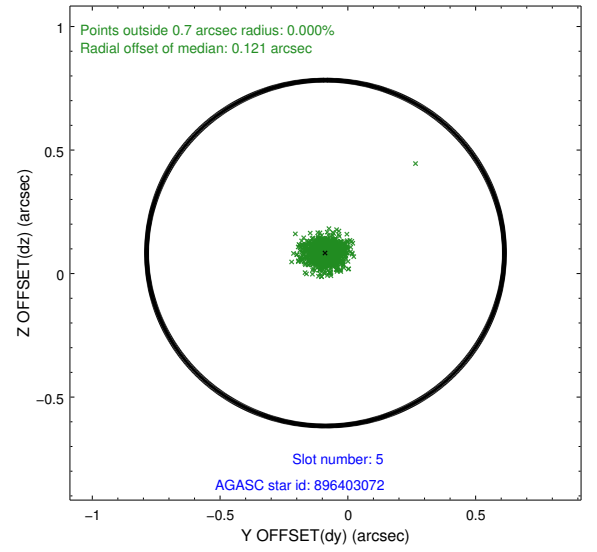
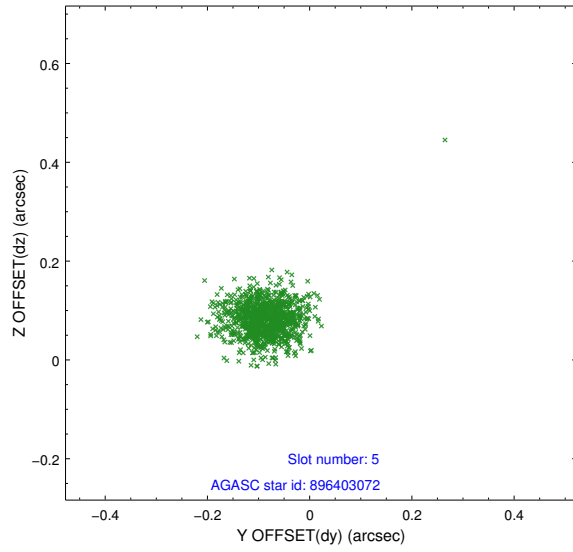
2.4.1 Slot 3



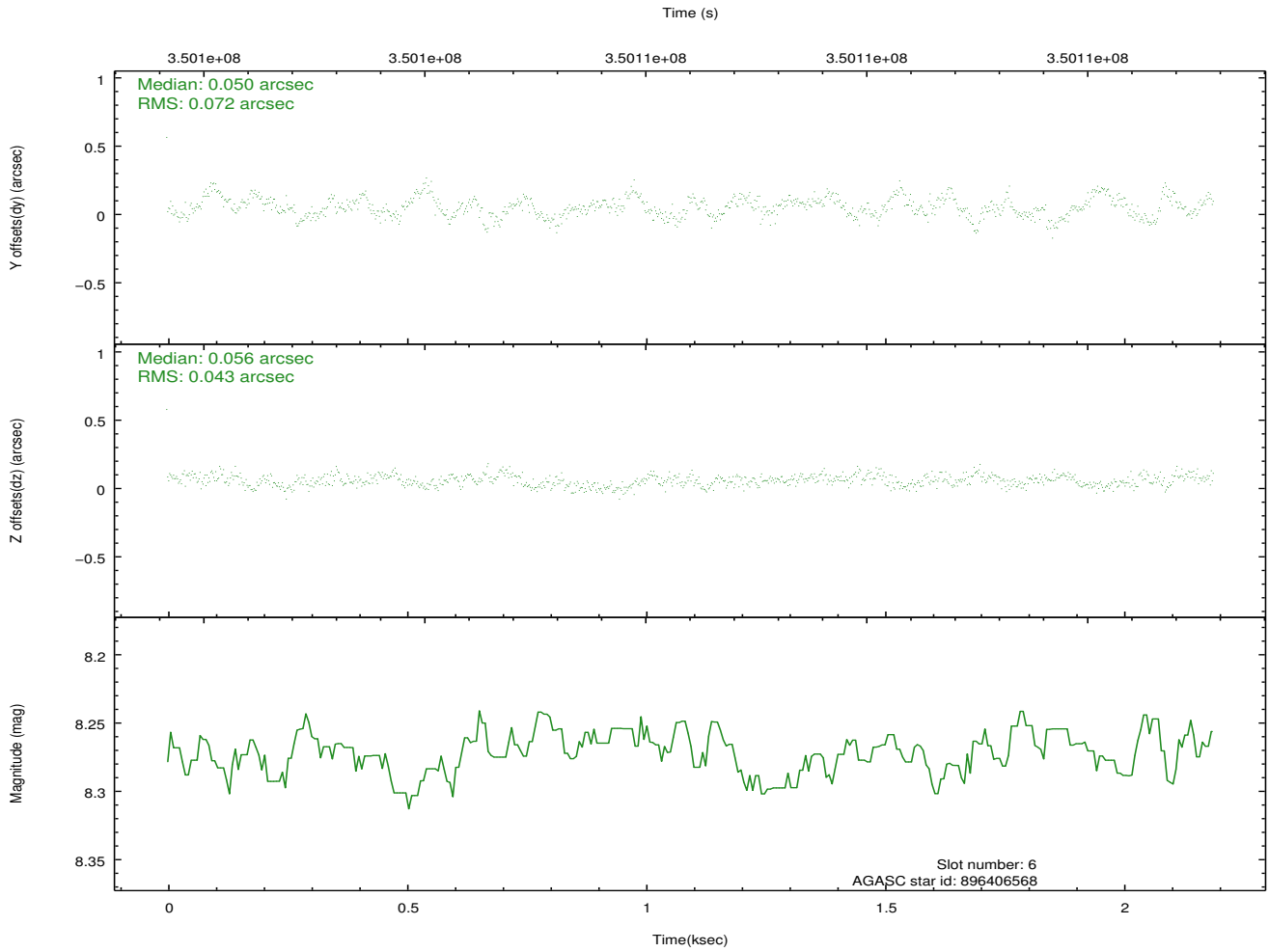
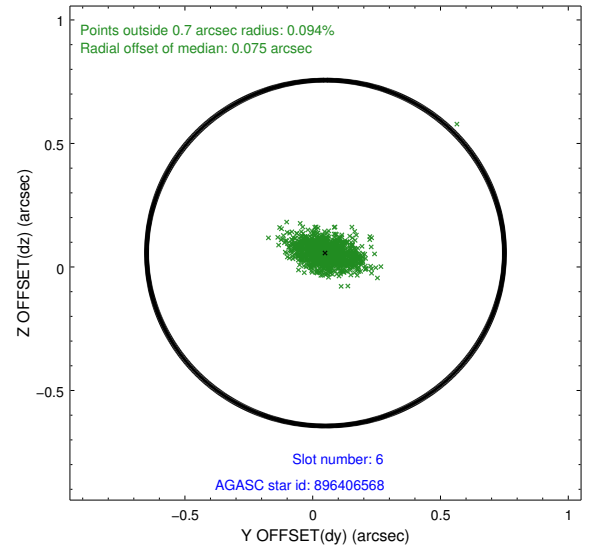
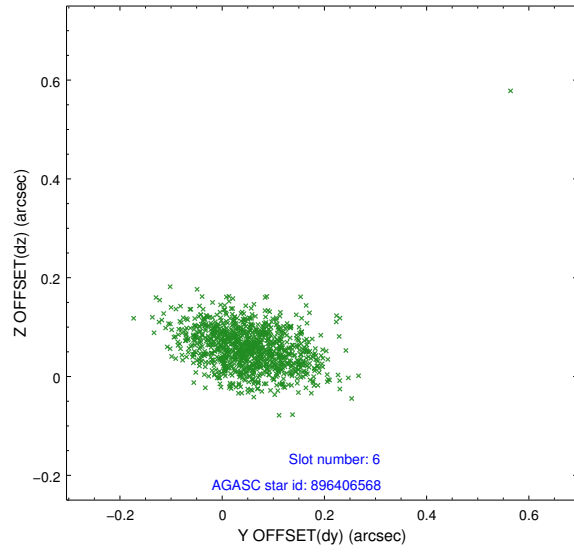
2.4.2 Slot 4



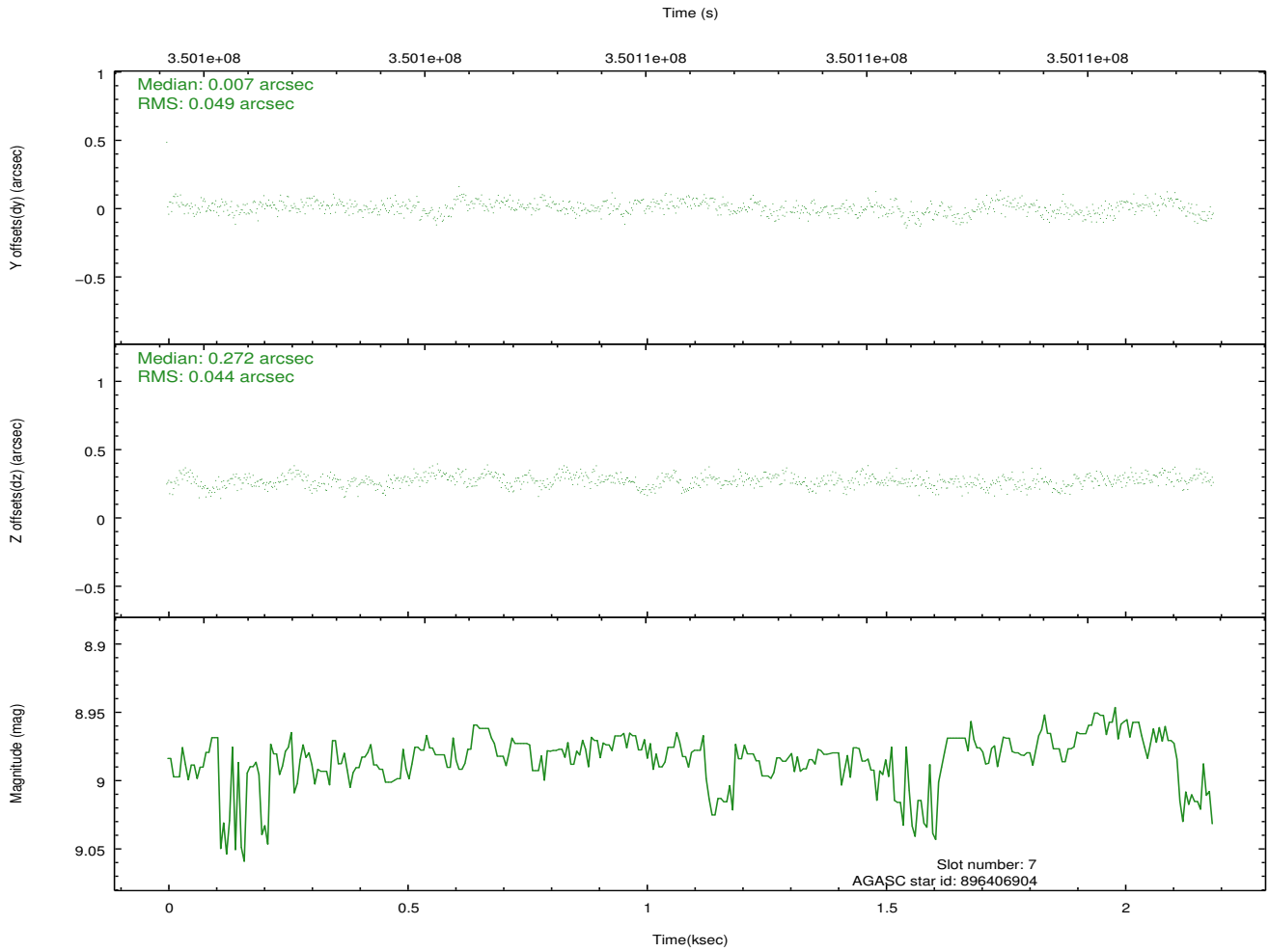
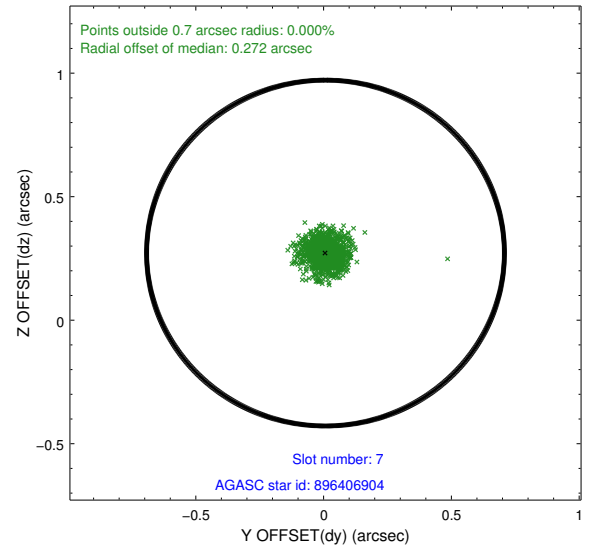
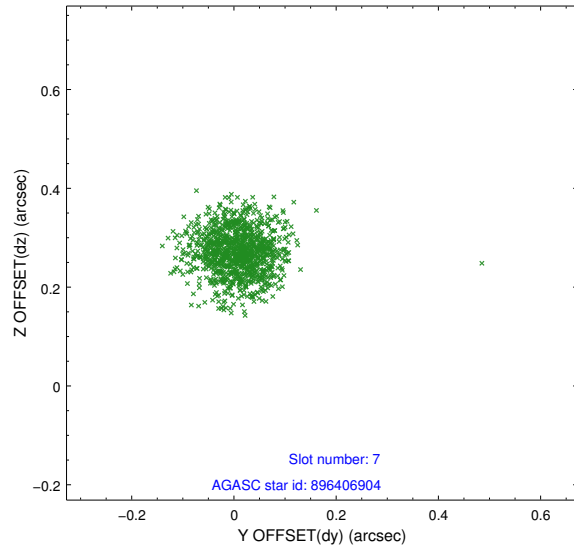
2.4.3 Slot 5



2.4.4 Slot 6

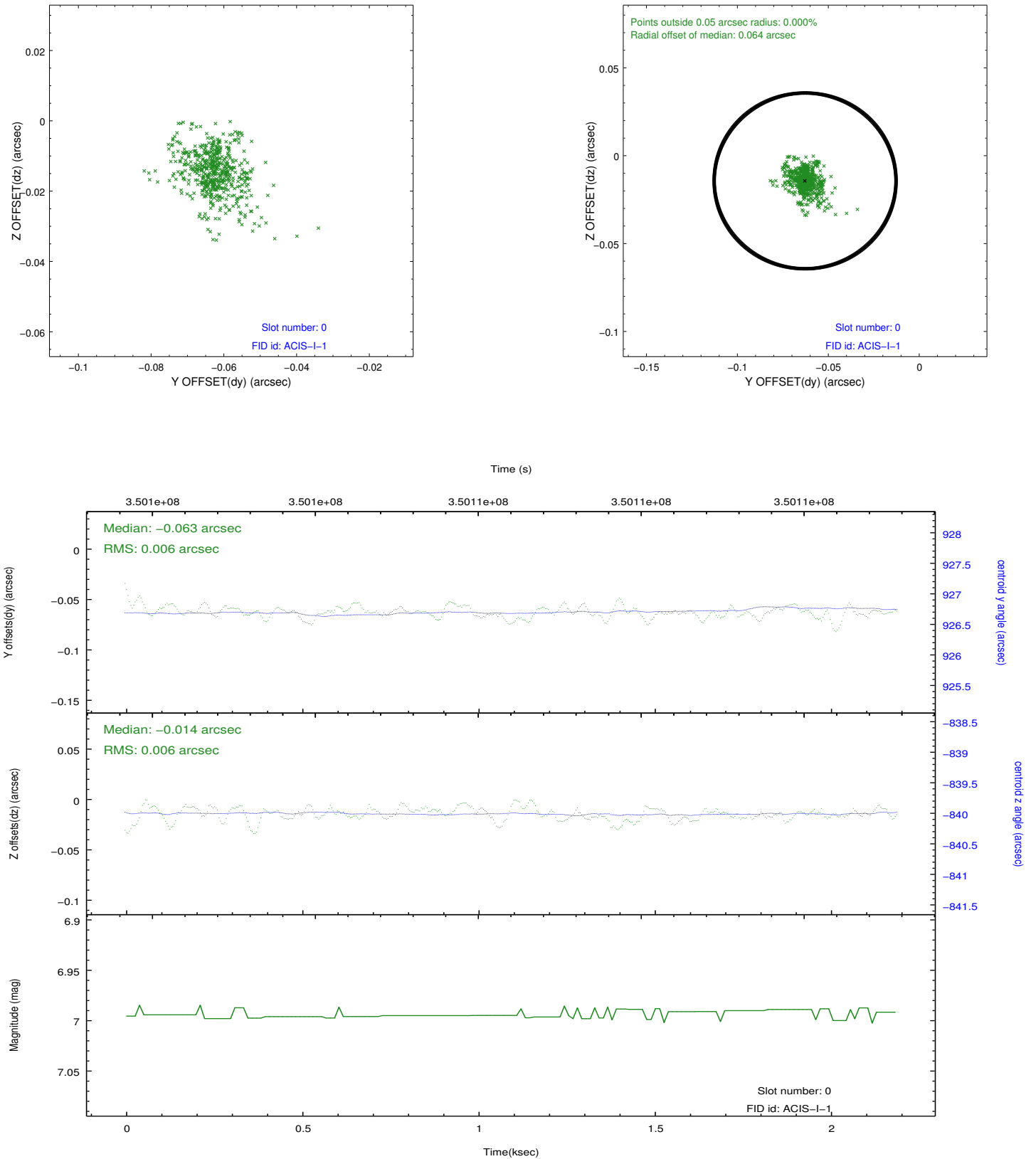


2.4.5 Slot 7

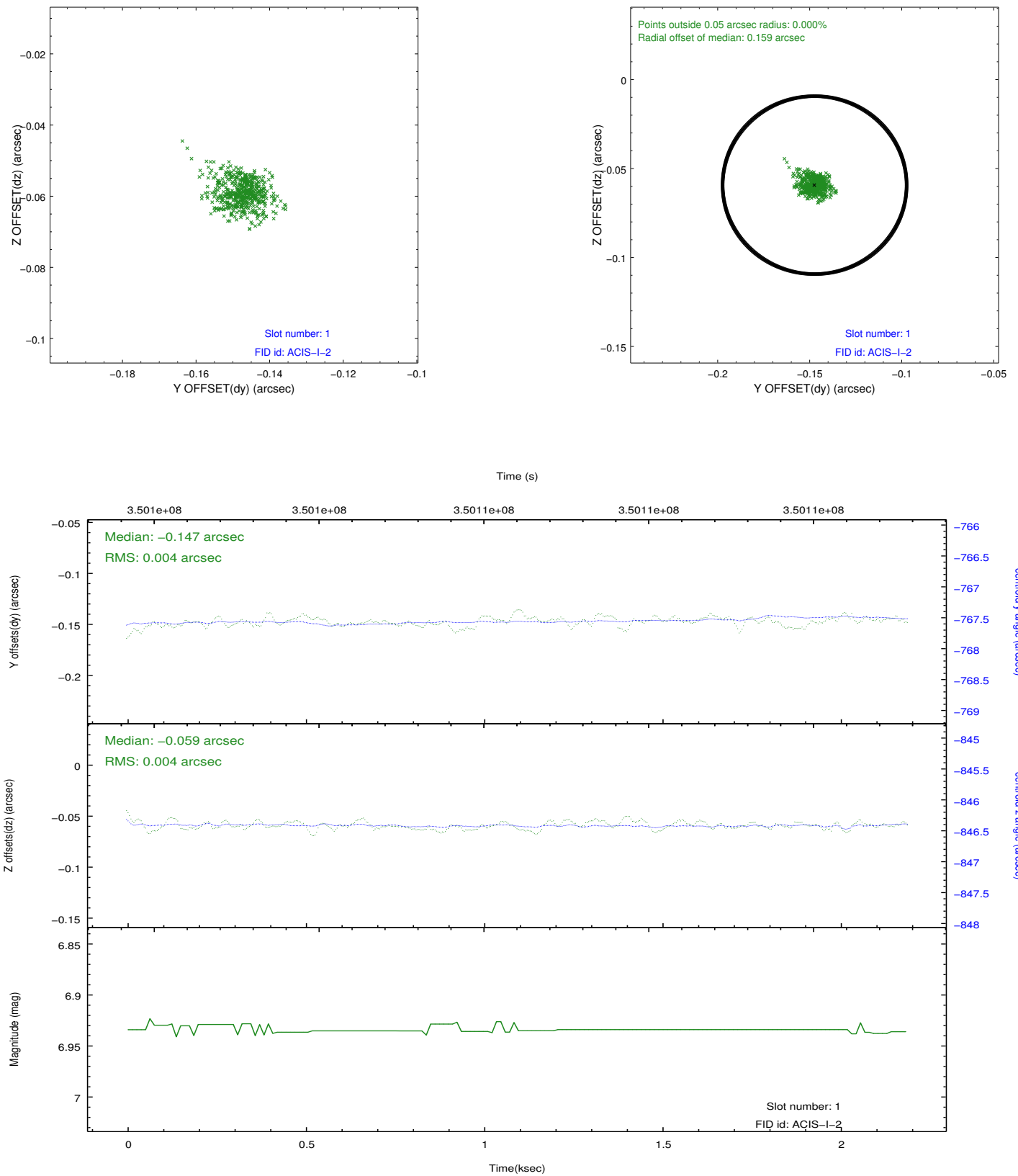


2.5 FID Slots

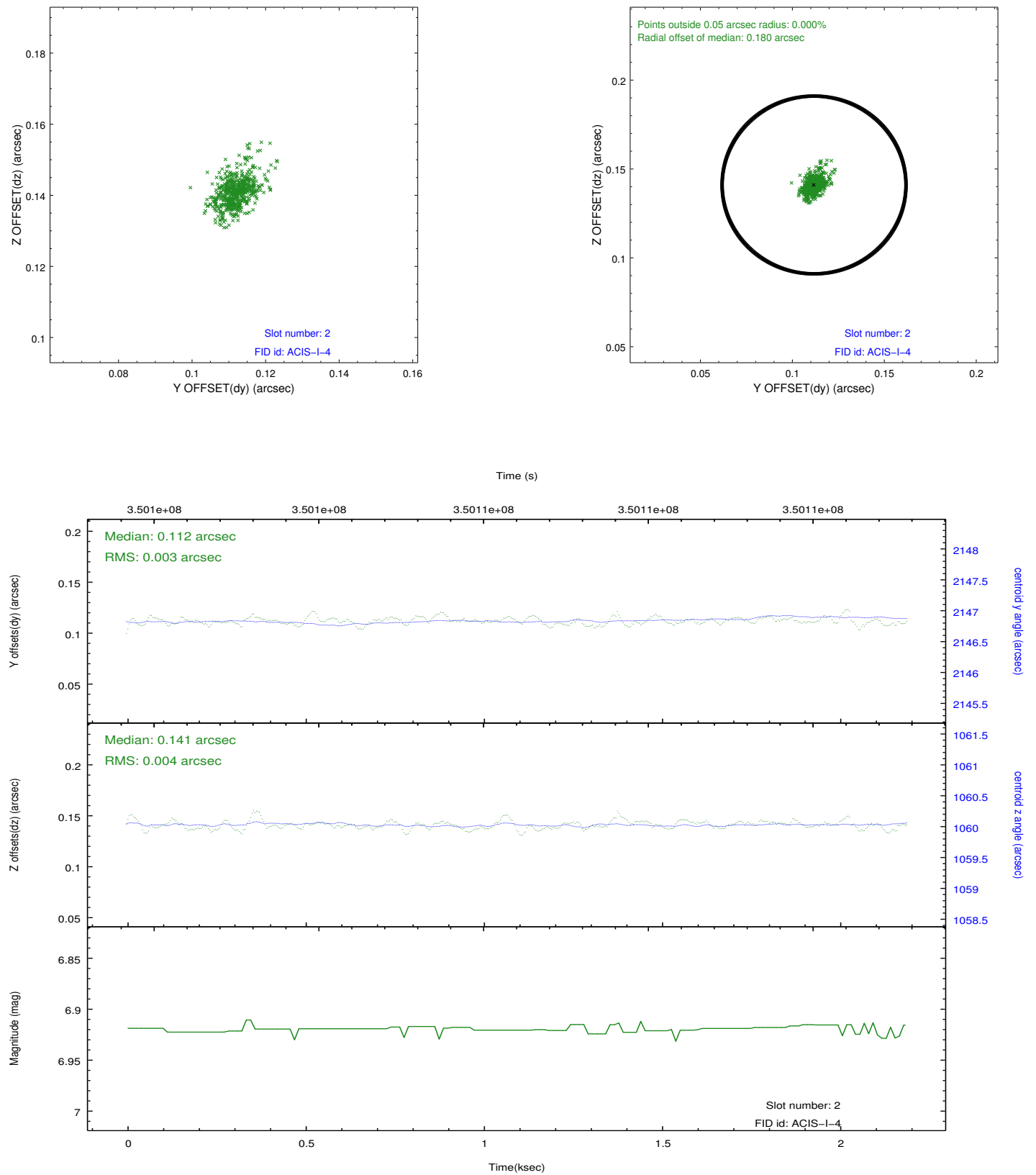
2.5.1 Slot 0



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)	2012.06.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.18860001

A.2 Comments

Joint Proposal: NOAO