

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10023 - L2 Version 2
Chandra X-Ray Center

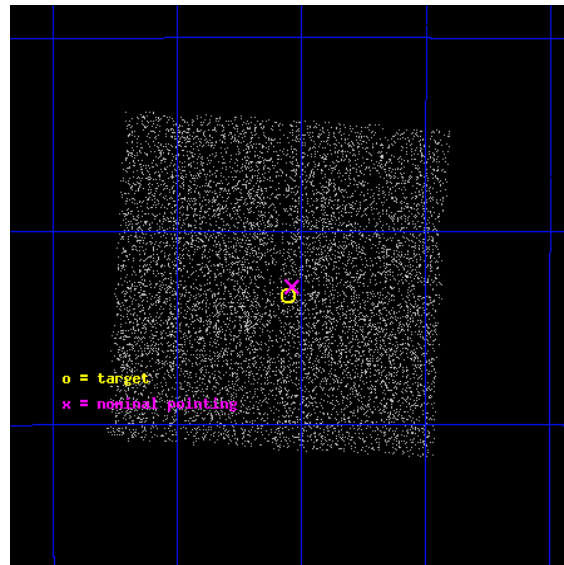
L2 Processing Date : Jun 1 2012

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1 Front

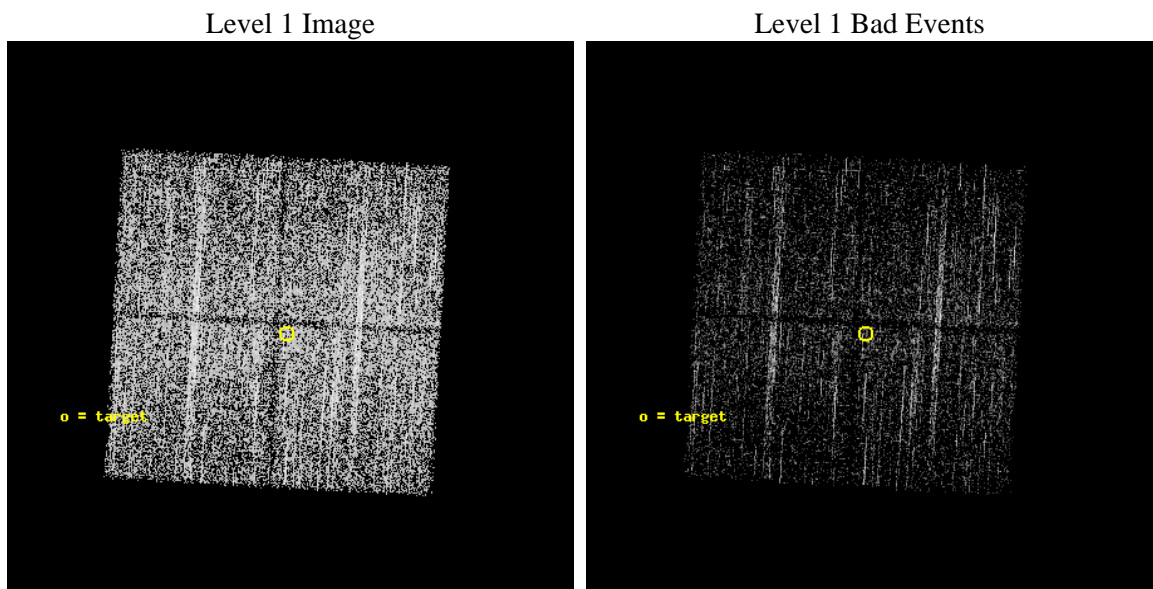
seq_num	400987	Sequence number
obs_id	10023	Observation id
title	Completing the Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS9-10	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	263.138167	Observer's specified target RA [deg]
dec_targ	-29.888528	Observer's specified target Dec [deg]
ra_nom	263.13487101716	Nominal RA [deg]
dec_nom	-29.881139618024	Nominal Dec [deg]
roll_nom	93.127015123114	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2179.3000167608	Sum of GTIs [s]
livetime	2150.8258576645	Livetime [s]
ontime0	2179.3000167608	Sum of GTIs [s]
ontime1	2179.3000167608	Sum of GTIs [s]
ontime2	2179.3000167608	Sum of GTIs [s]
ontime3	2179.3000167608	Sum of GTIs [s]
l2events	10221	Number of level 2 events



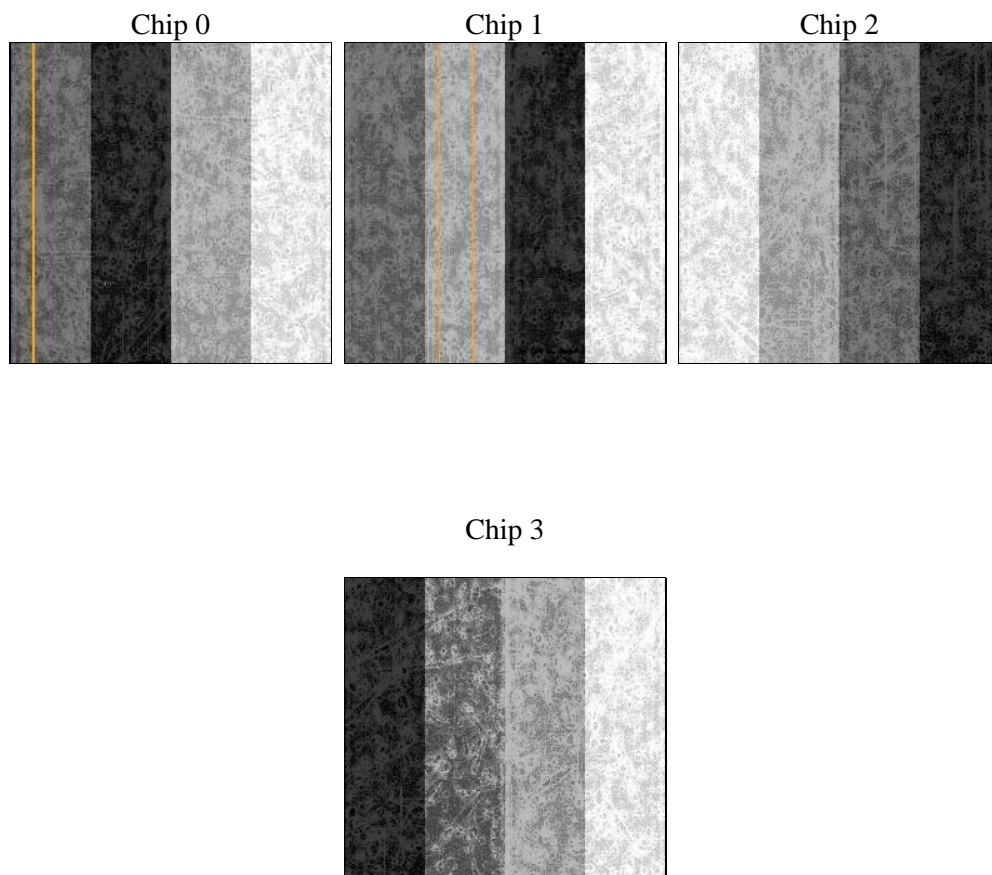
2 OBI

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	2179.3000167608	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	2179.3000167608	Sum of GTIs [s]
date	2012-06-01T05:47:11	Date and time of file creation	ontime1	2179.3000167608	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2179.3000167608	Sum of GTIs [s]
			ontime3	2179.3000167608	Sum of GTIs [s]
			l1events	99588	Number of level 1 events

2.1.4 Events

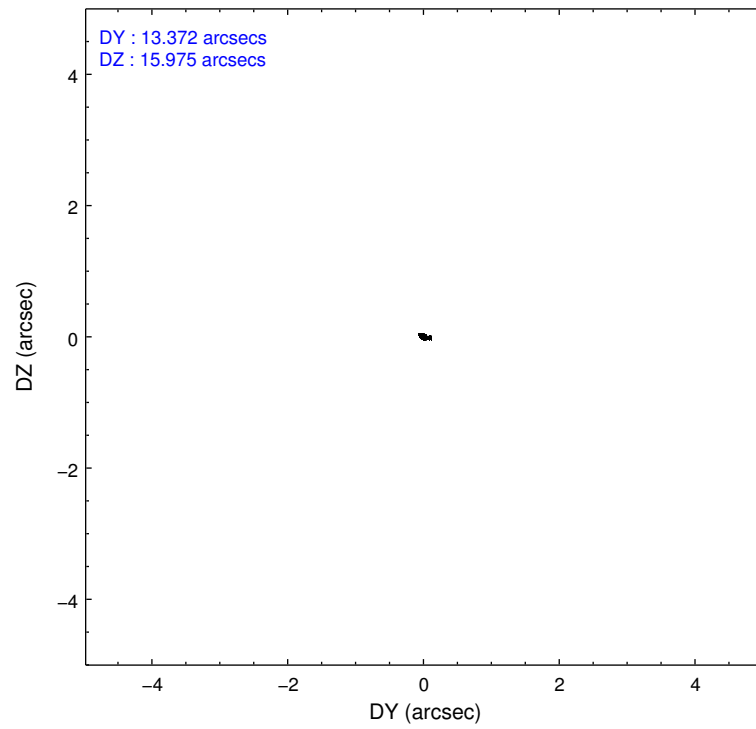
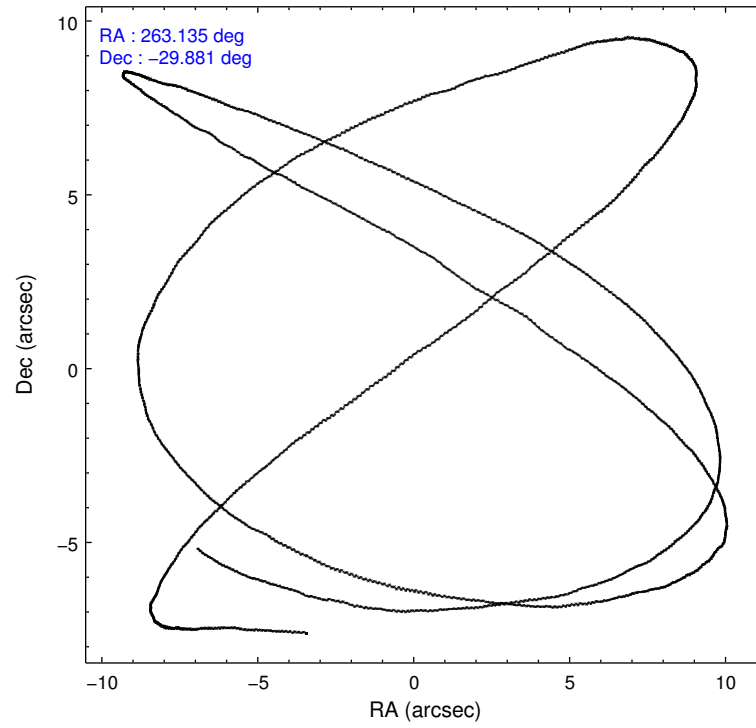
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	23990	24320	25565	25713
rejected events	21037	21304	22663	22797
rejected %	87%	87%	88%	88%

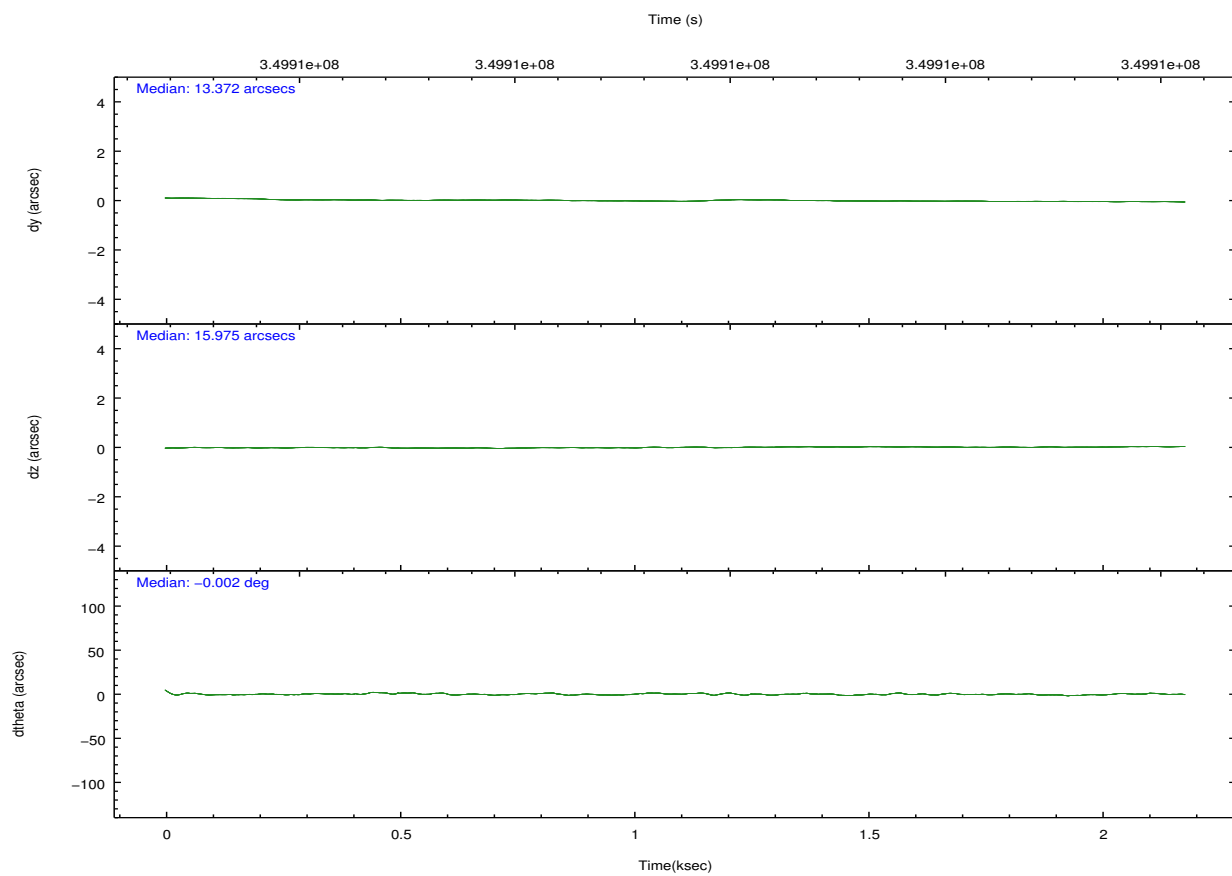
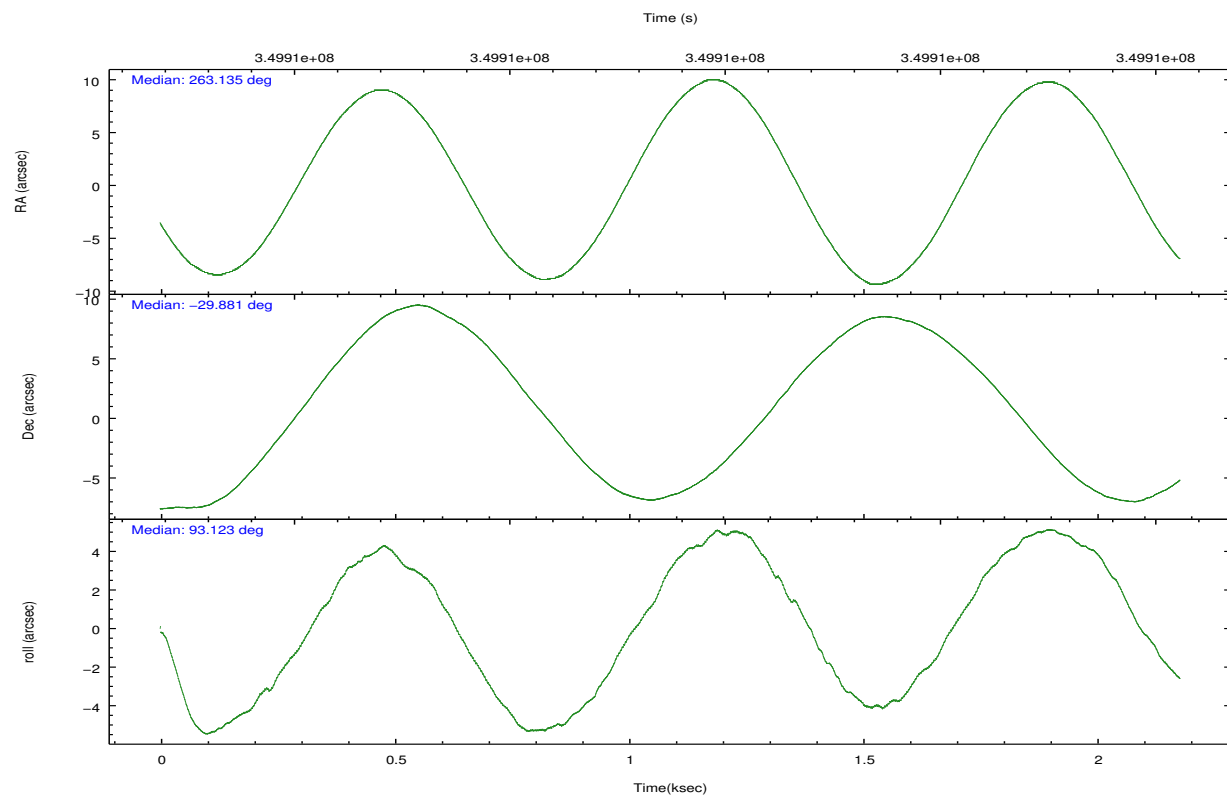
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1532	1436	1593	1595
	6%	5%	6%	6%
grade 1 events	19	16	16	27
	0%	0%	0%	0%
grade 2 events	718	815	663	629
	2%	3%	2%	2%
grade 3 events	296	320	291	292
	1%	1%	1%	1%
grade 4 events	245	300	275	299
	1%	1%	1%	1%
grade 5 events	1098	1125	1142	1183
	4%	4%	4%	4%
grade 6 events	582	614	511	553
	2%	2%	1%	2%
grade 7 events	19500	19694	21074	21135
	81%	80%	82%	82%

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	263.152367	263.1348710171573	Subarray requested	NONE	NONE
[deg] Pointing Dec	-29.903920	-29.8811396180245	Alternating exposures requested	N	N
[deg] Pointing Roll	92.927070	93.12701512311426	[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)	349906960.184000	349906584.52135			
Observation start date	2009-02-01T20:21:34	2009-02-01T20:16:24			
[s] Observation end time (MET)	349908960.184000	349909094.23397			
Observation end date	2009-02-01T20:54:54	2009-02-01T20:58:14			
Read mode	TIMED	TIMED			

2.3 Aspect



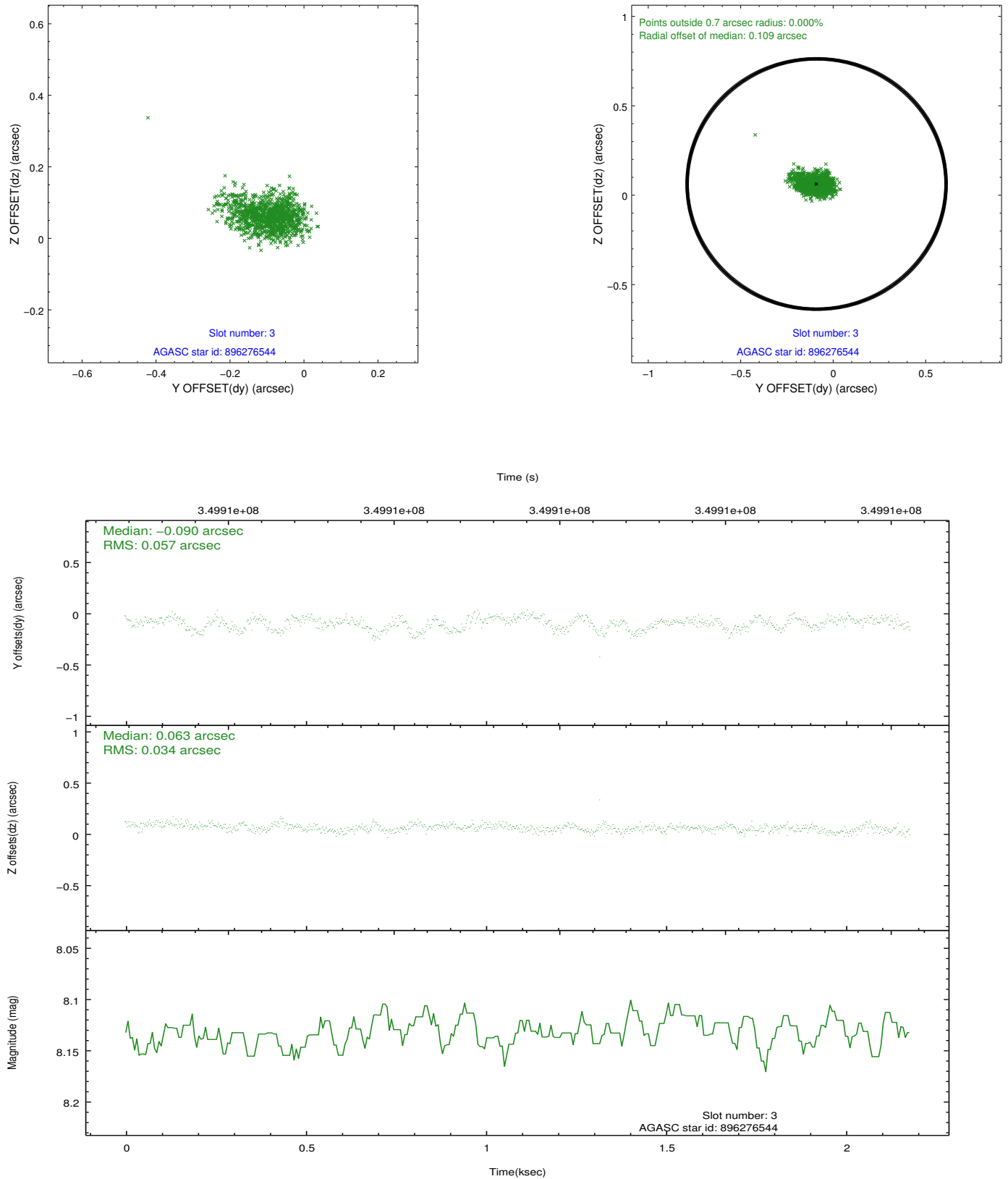


Slot Statistics

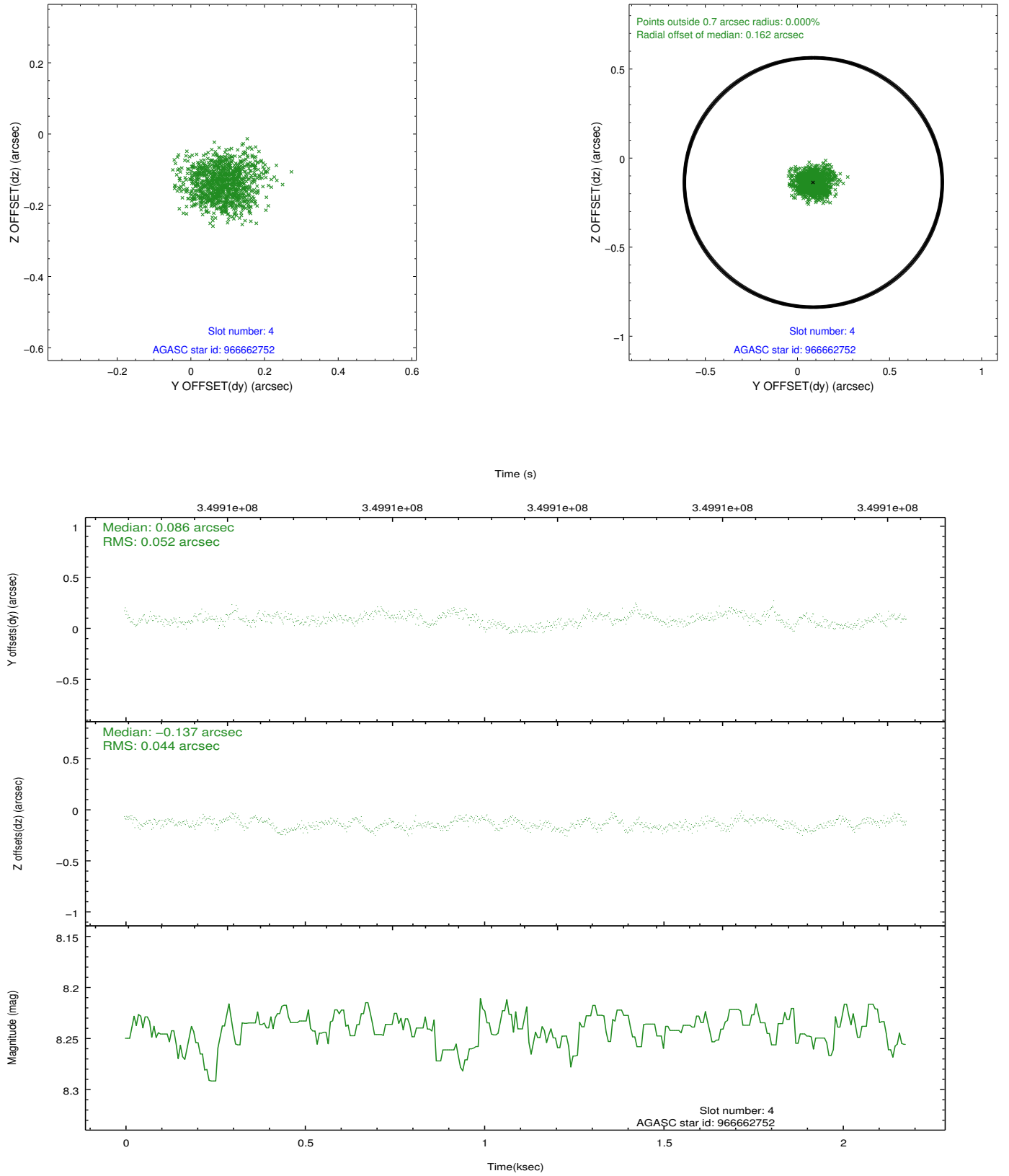
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	6.98	532	-0.075	-0.077	0.018	0.031	0.000000	0.000000	-768.12	-846.04
1	FID	ACIS-I-4	6.98	532	0.188	0.068	0.012	0.018	0.000000	0.000000	2144.83	1058.76
2	FID	ACIS-I-5	7.05	532	-0.212	0.079	0.012	0.018	0.000000	0.000000	-1818.25	1060.03
3	GUIDE	896276544	8.13	1064	-0.090	0.063	0.069	0.115	263.666616	-29.255819	2245.11	-1731.91
4	GUIDE	966662752	8.24	1064	0.086	-0.137	0.073	0.118	262.898473	-30.245665	-1186.12	849.58
5	GUIDE	966791064	7.77	1064	0.098	0.235	0.059	0.095	263.920275	-30.338943	-1693.82	-2301.55
6	GUIDE	896278088	7.64	1064	-0.212	0.037	0.084	0.132	263.476198	-29.223388	2392.62	-1143.18
7	GUIDE	966658072	8.59	1063	0.123	-0.192	0.070	0.114	262.985614	-30.401203	-1758.52	607.15

2.4 Star Slots

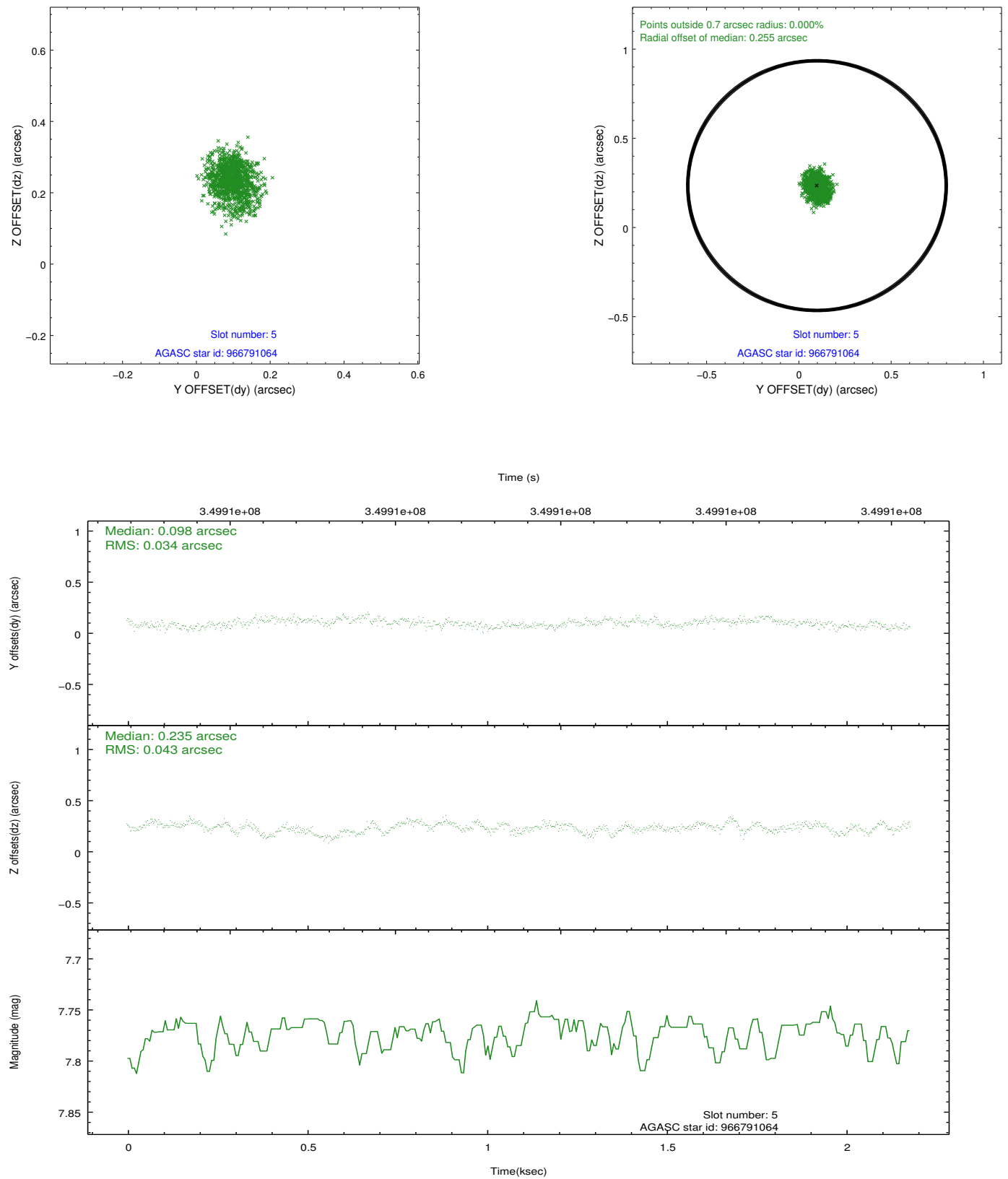
2.4.1 Slot 3



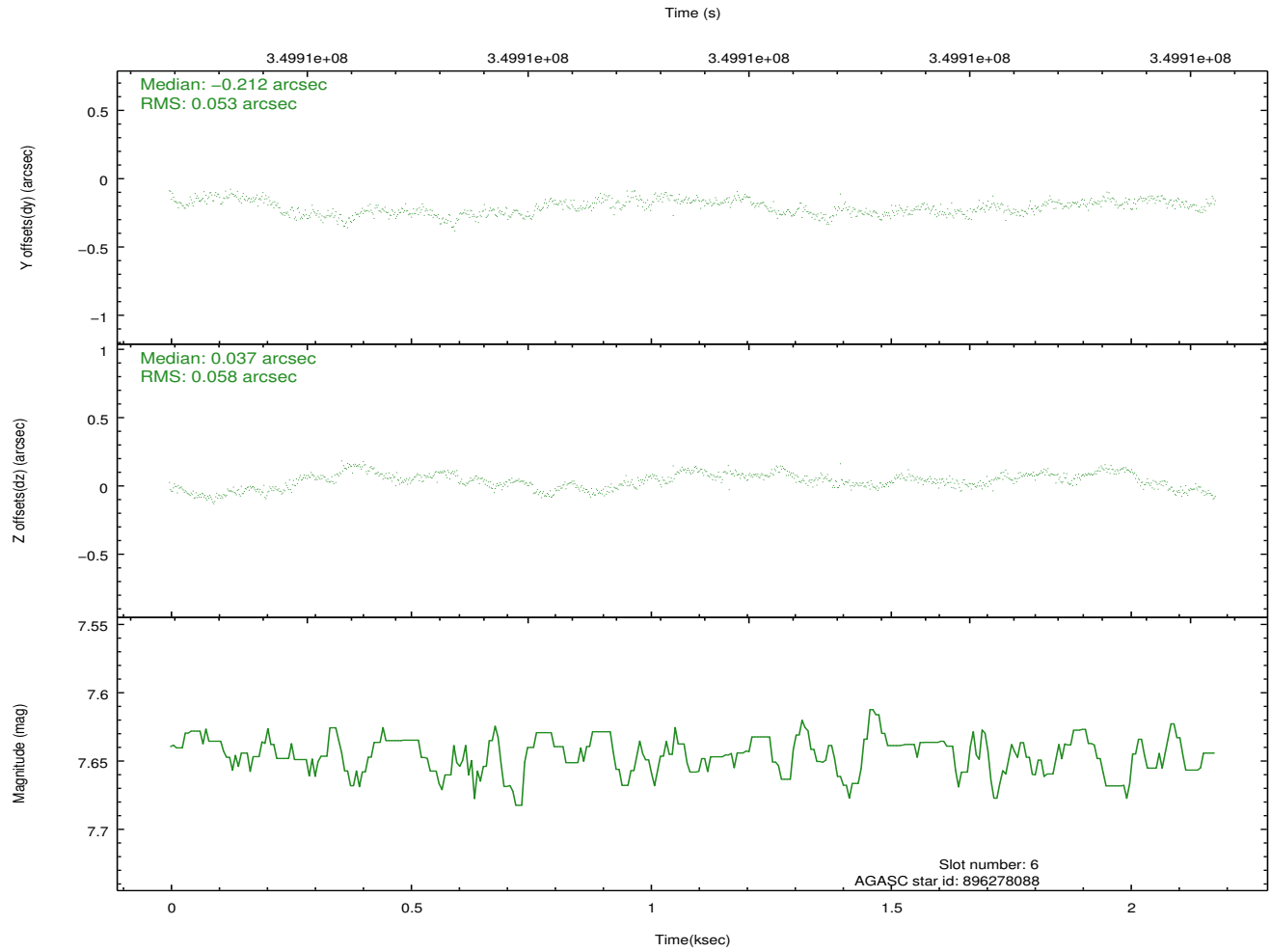
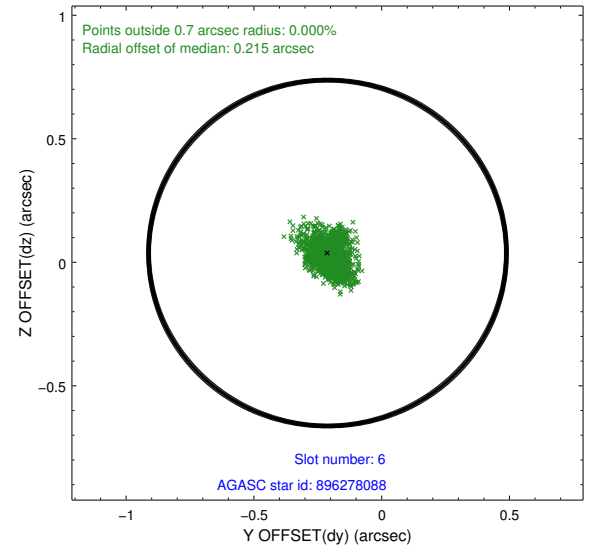
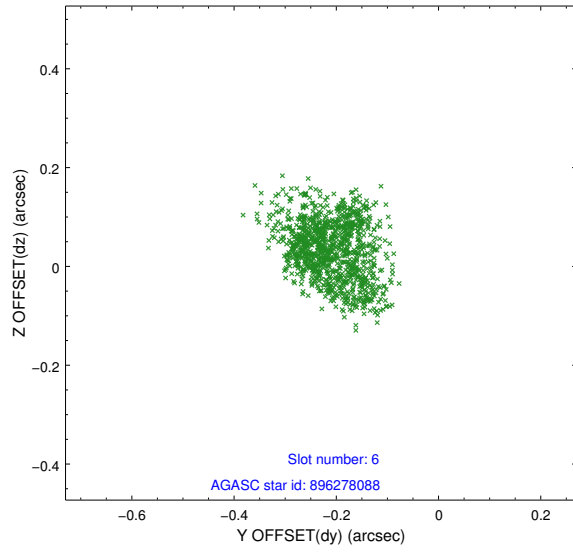
2.4.2 Slot 4



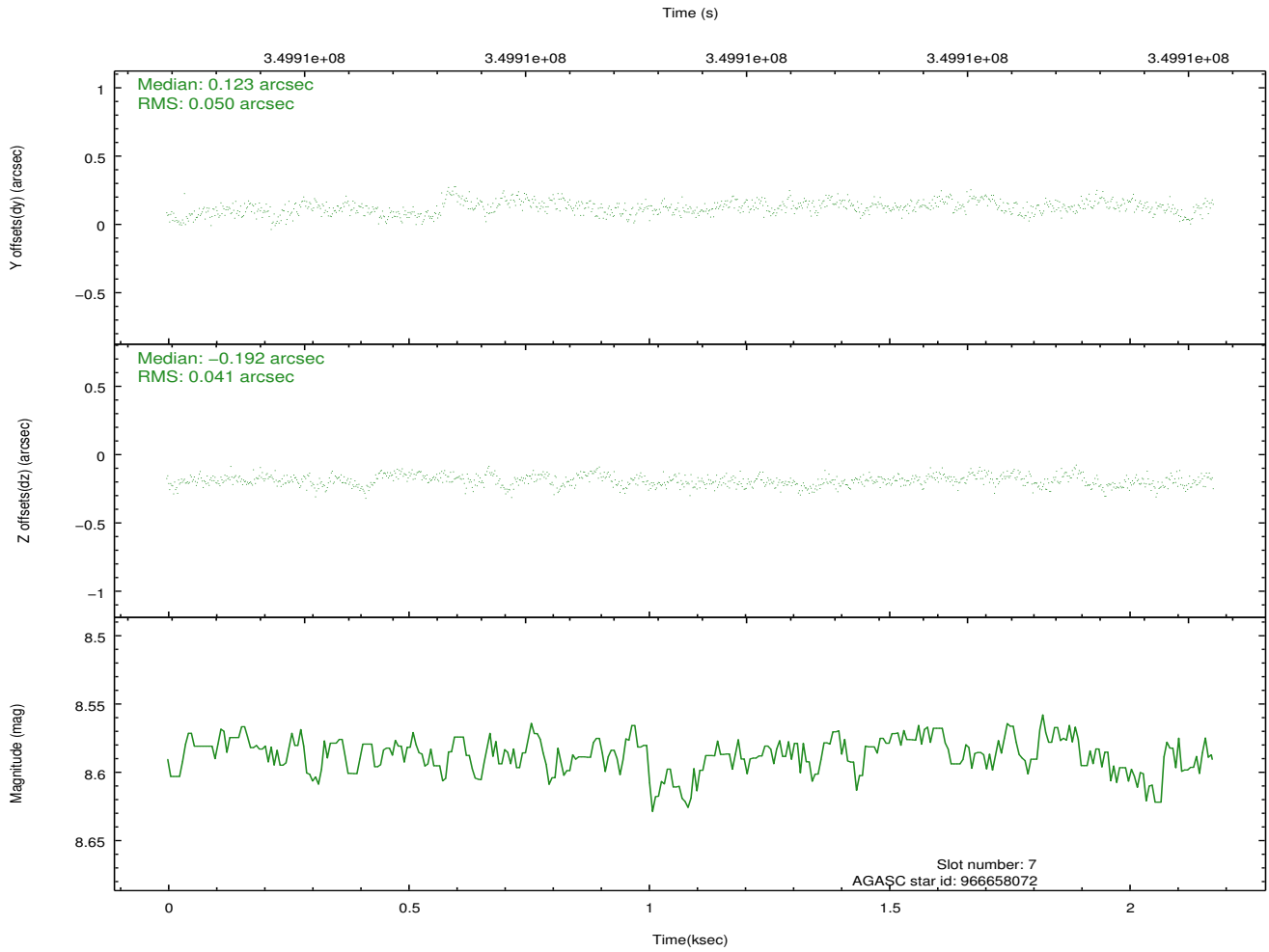
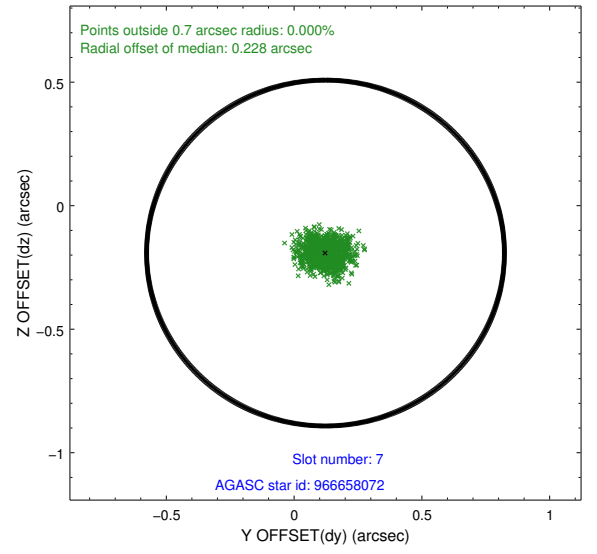
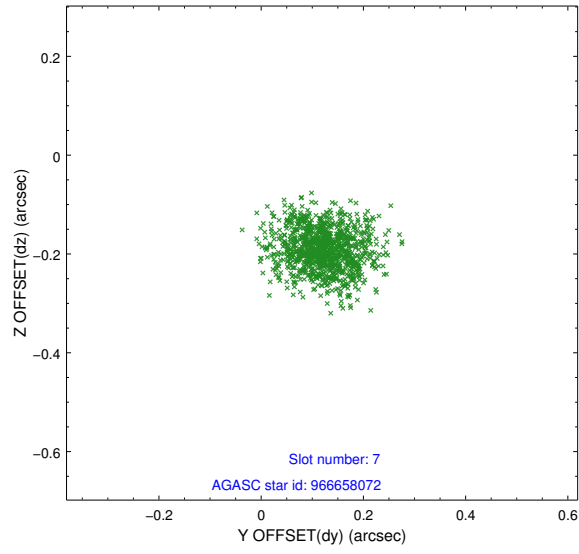
2.4.3 Slot 5



2.4.4 Slot 6

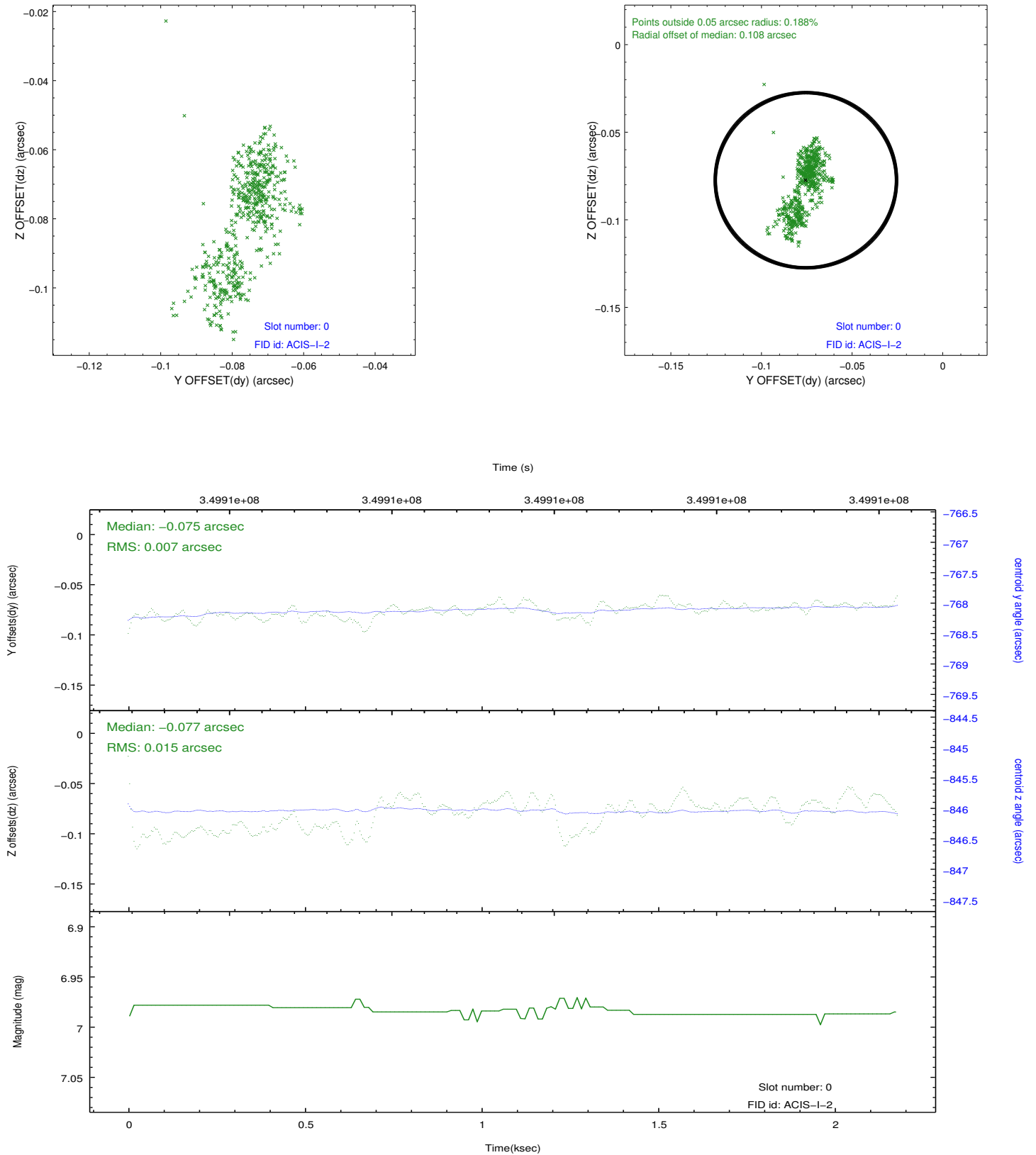


2.4.5 Slot 7

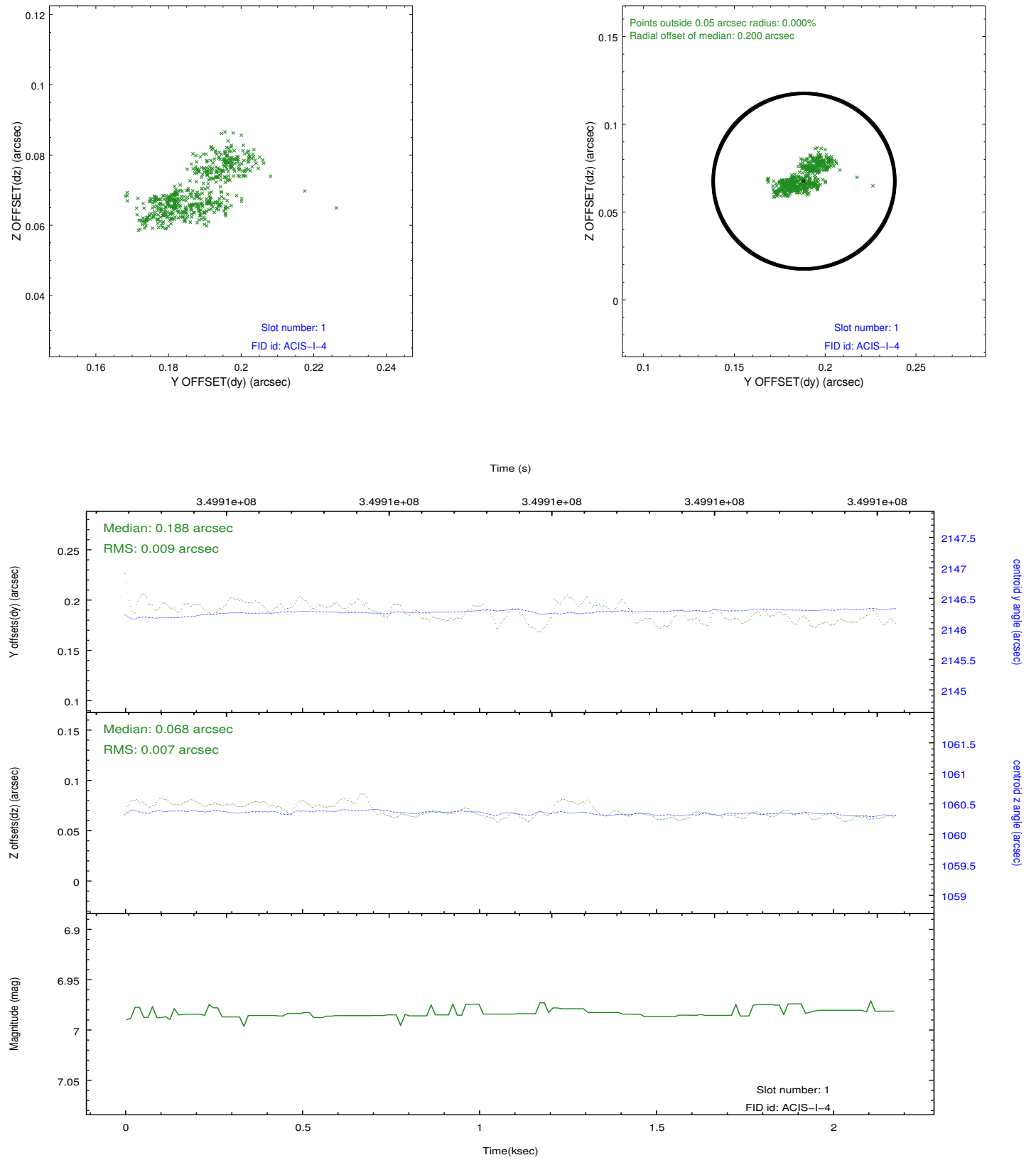


2.5 FID Slots

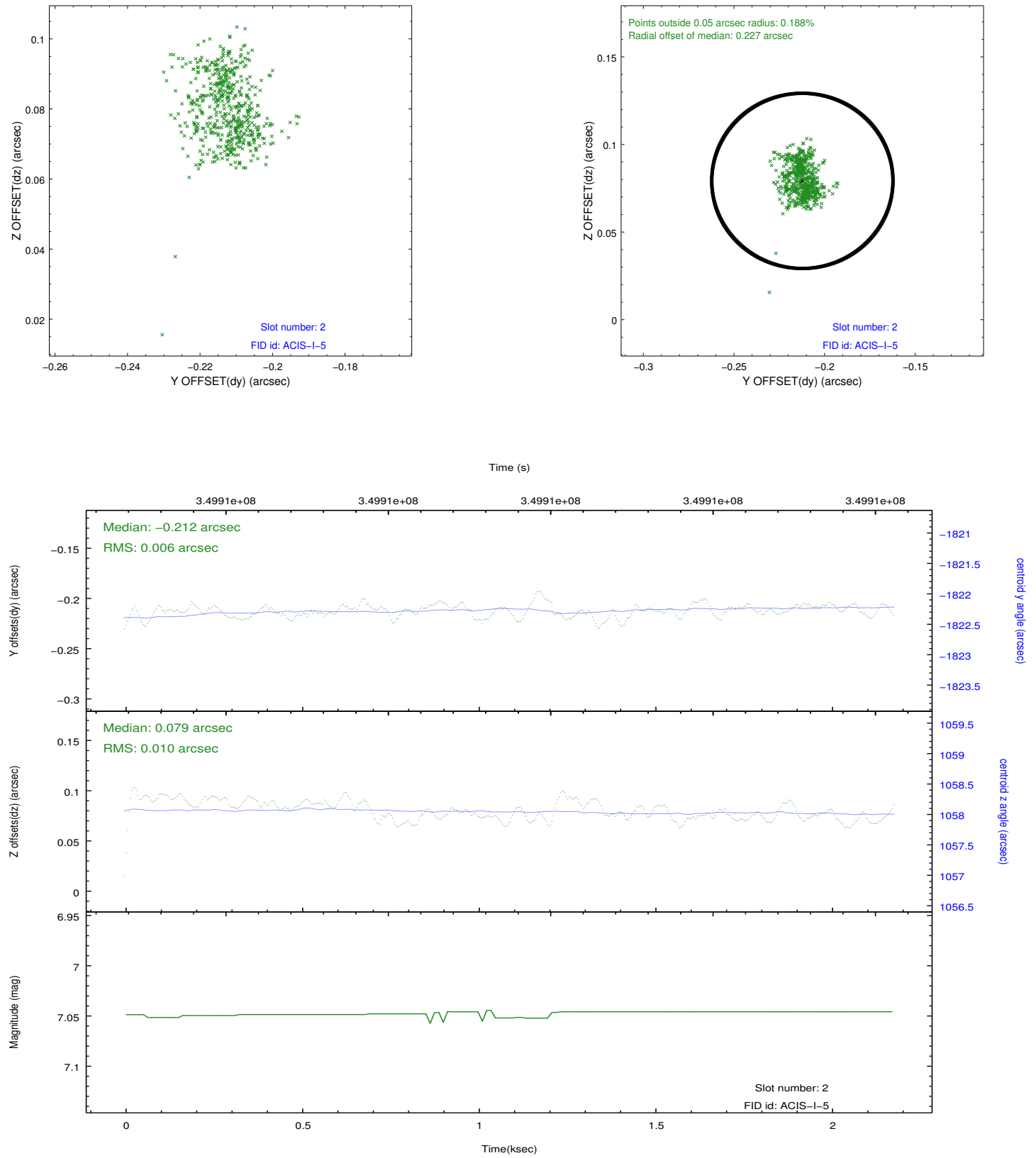
2.5.1 Slot 0



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	2.17930001

A.2 Comments

Joint Proposal: NOAO