

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10017 - L2 Version 2
Chandra X-Ray Center

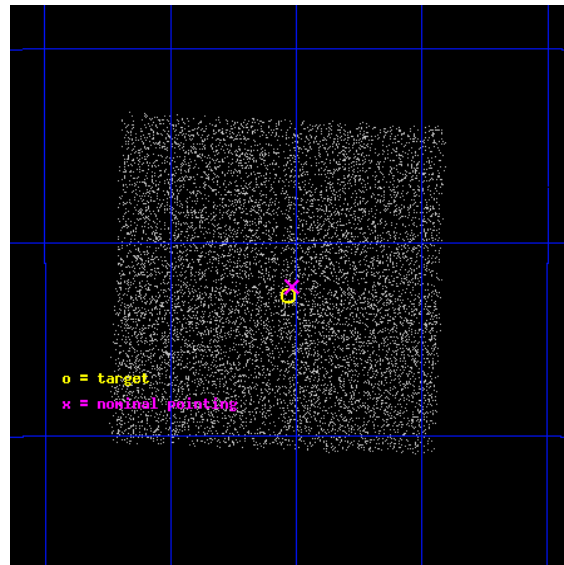
L2 Processing Date : Jun 1 2012

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1 Front

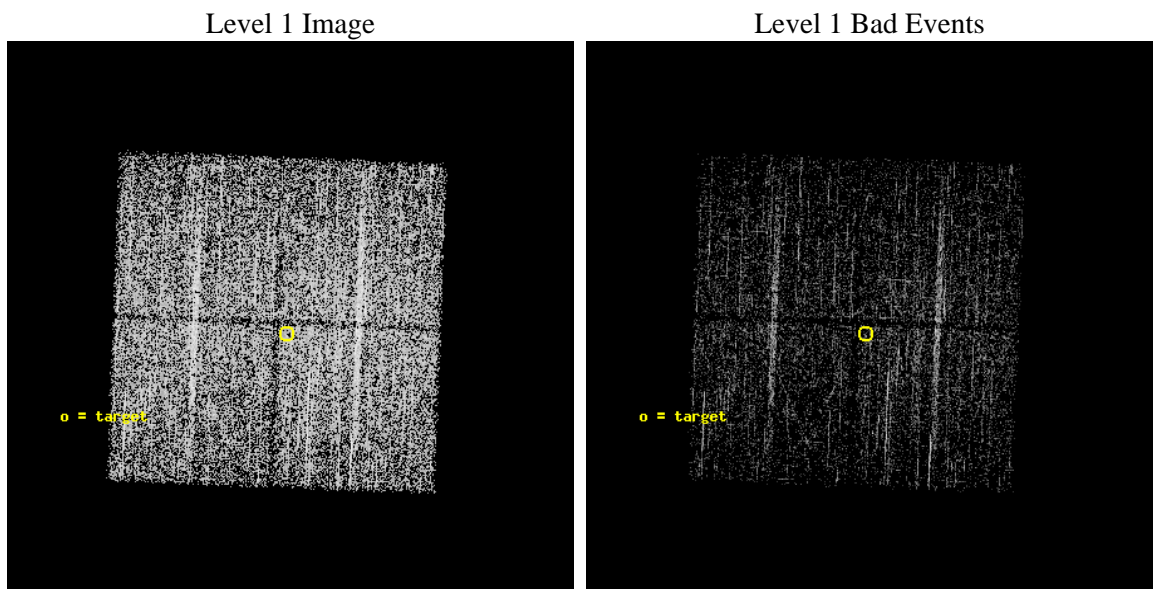
seq_num	400981	Sequence number
obs_id	10017	Observation id
title	Completing the Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS6-10	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	264.007542	Observer's specified target RA [deg]
dec_targ	-28.712472	Observer's specified target Dec [deg]
ra_nom	264.00442525805	Nominal RA [deg]
dec_nom	-28.704796935037	Nominal Dec [deg]
roll_nom	92.20756113445	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	10767	Number of level 2 events



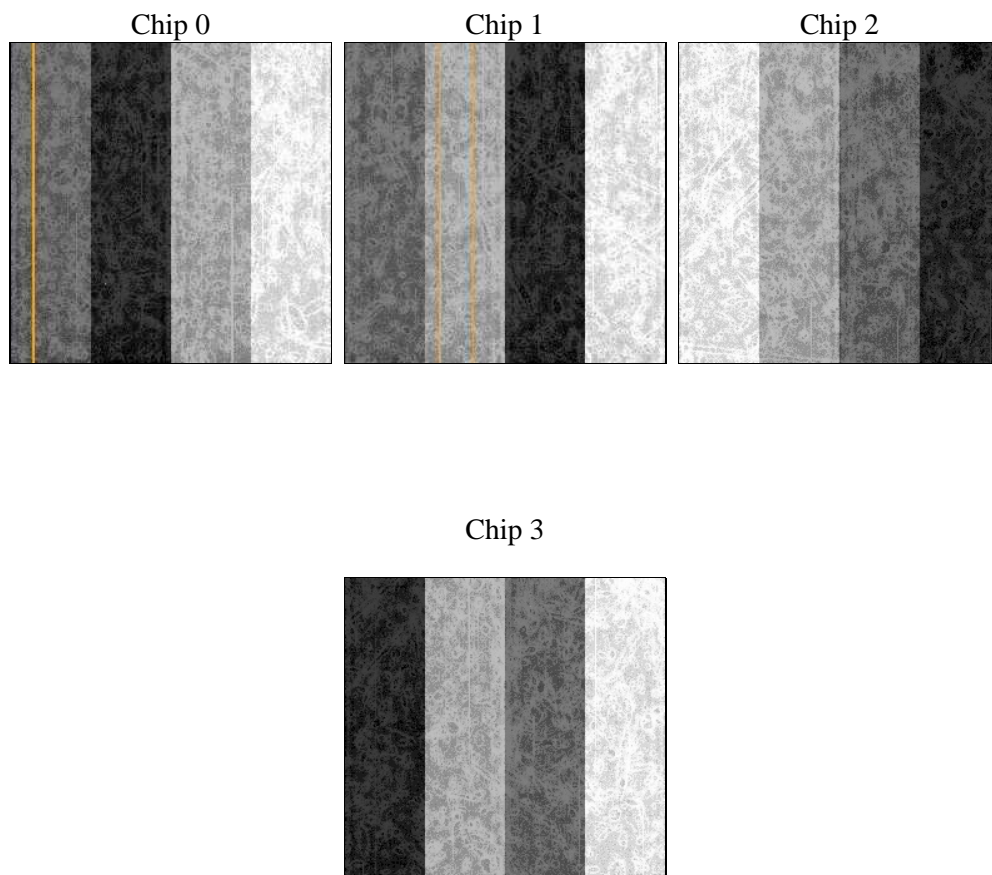
2 OBI

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	2012-06-01T06:00:19	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	98528	Number of level 1 events

2.1.4 Events

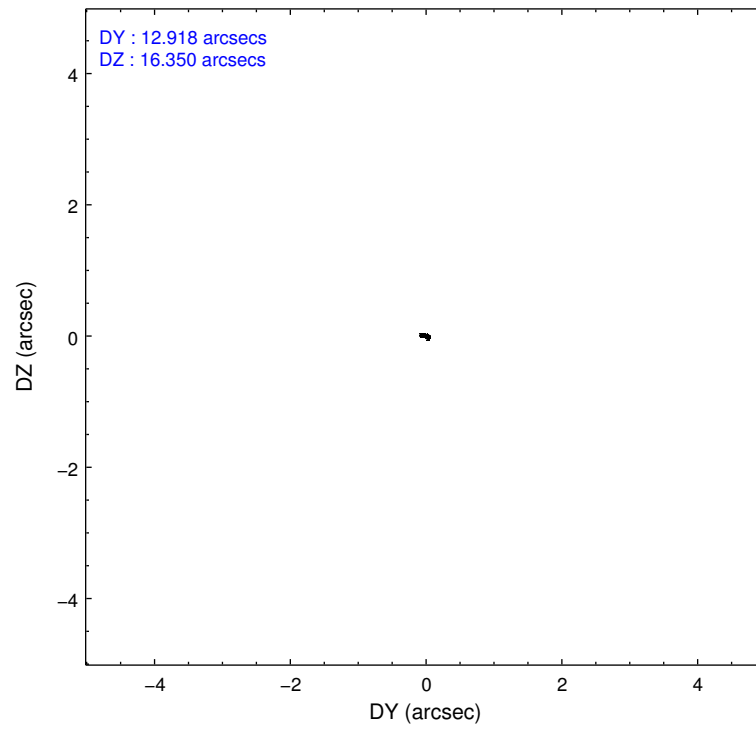
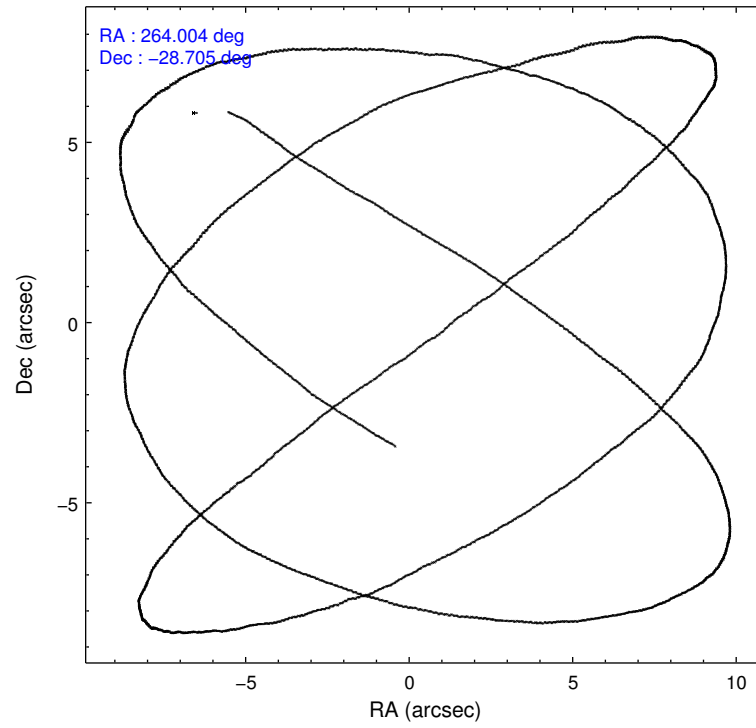
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	23660	23645	24920	26303
rejected events	20558	20438	21938	23235
rejected %	86%	86%	88%	88%

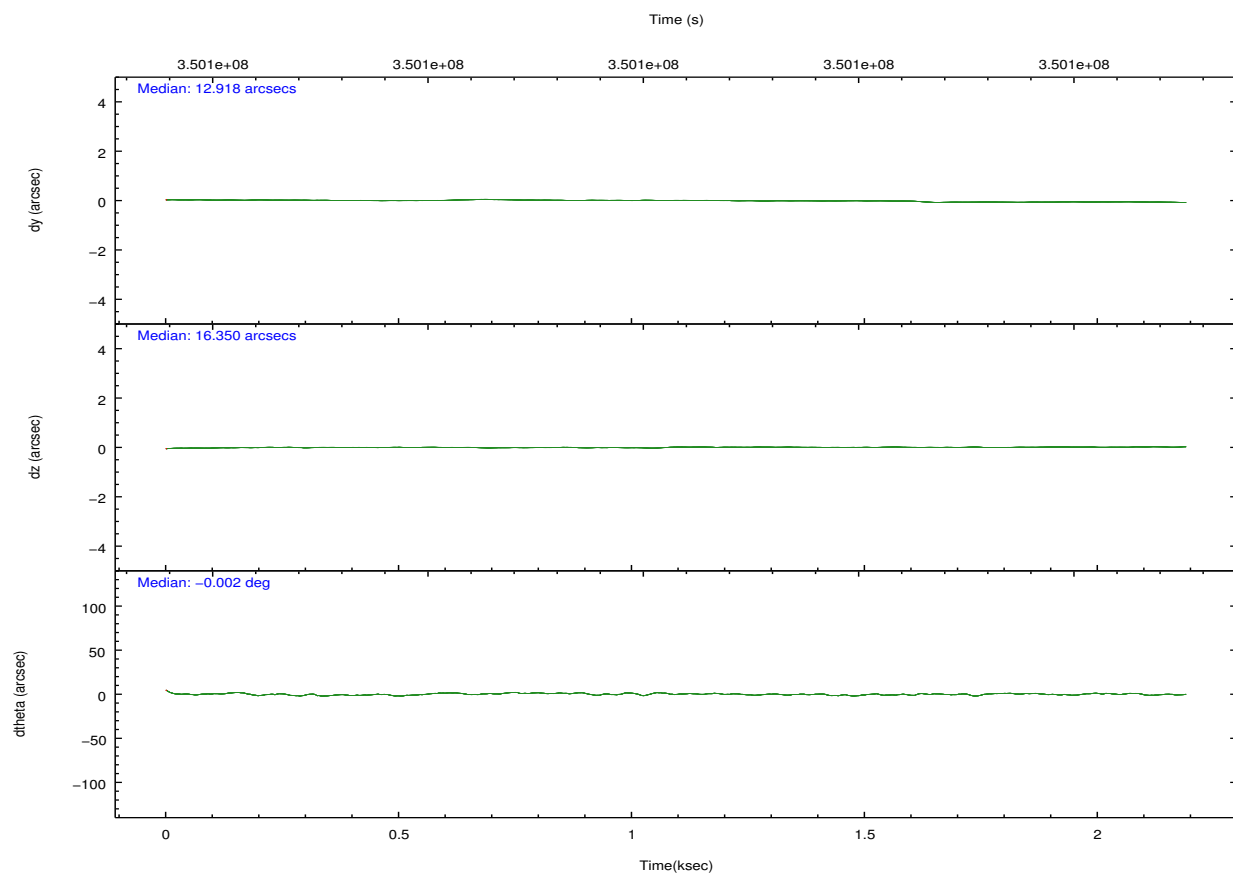
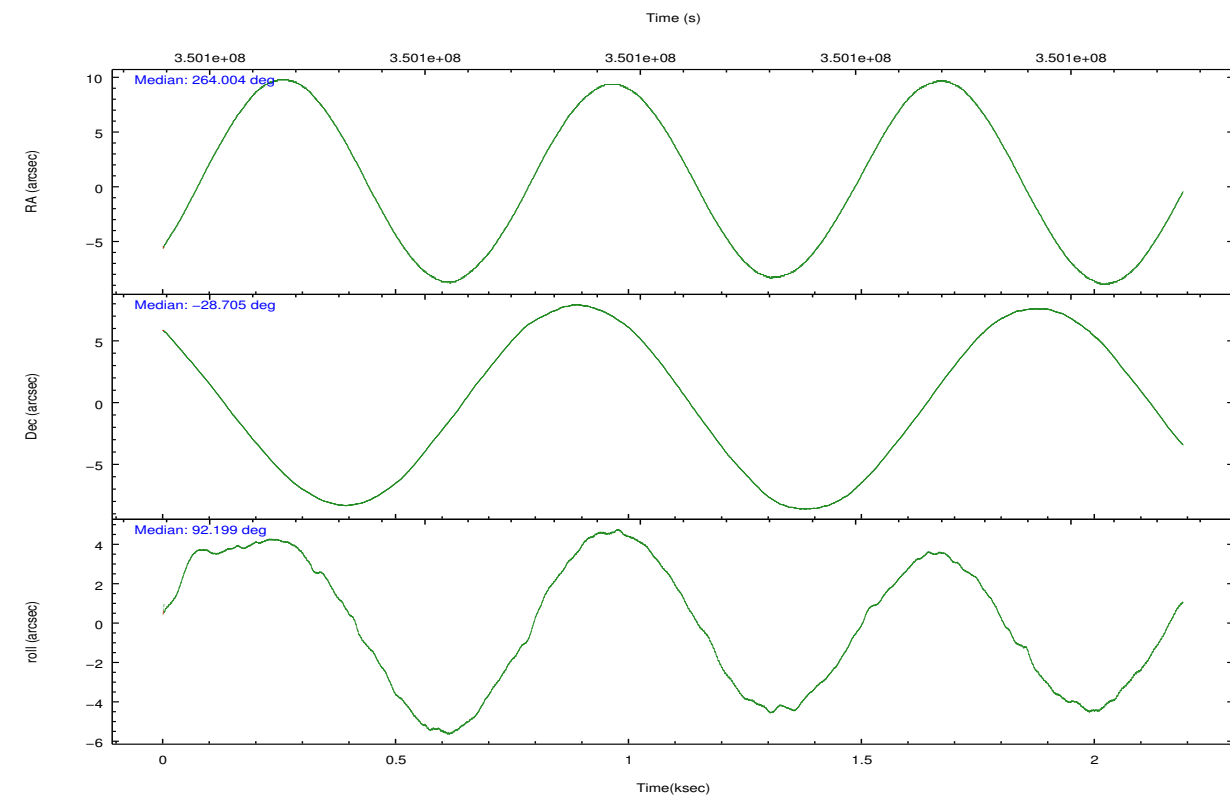
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1616	1548	1606	1596
	6%	6%	6%	6%
grade 1 events	16	15	19	16
	0%	0%	0%	0%
grade 2 events	732	866	710	723
	3%	3%	2%	2%
grade 3 events	383	315	275	300
	1%	1%	1%	1%
grade 4 events	265	289	314	317
	1%	1%	1%	1%
grade 5 events	1174	1110	1066	1164
	4%	4%	4%	4%
grade 6 events	557	656	544	564
	2%	2%	2%	2%
grade 7 events	18917	18846	20386	21623
	79%	79%	81%	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	264.021289	264.0044252580506	Subarray requested	NONE	NONE
[deg] Pointing Dec	-28.728060	-28.70479693503658	Alternating exposures requested	N	N
[deg] Pointing Roll	92.007012	92.20756113445044	[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)	350099678.184000	350099301.95591			
Observation start date	2009-02-04T01:53:32	2009-02-04T01:48:21			
[s] Observation end time (MET)	350101678.184000	350101812.18103			
Observation end date	2009-02-04T02:26:52	2009-02-04T02:30:12			
Read mode	TIMED	TIMED			

2.3 Aspect



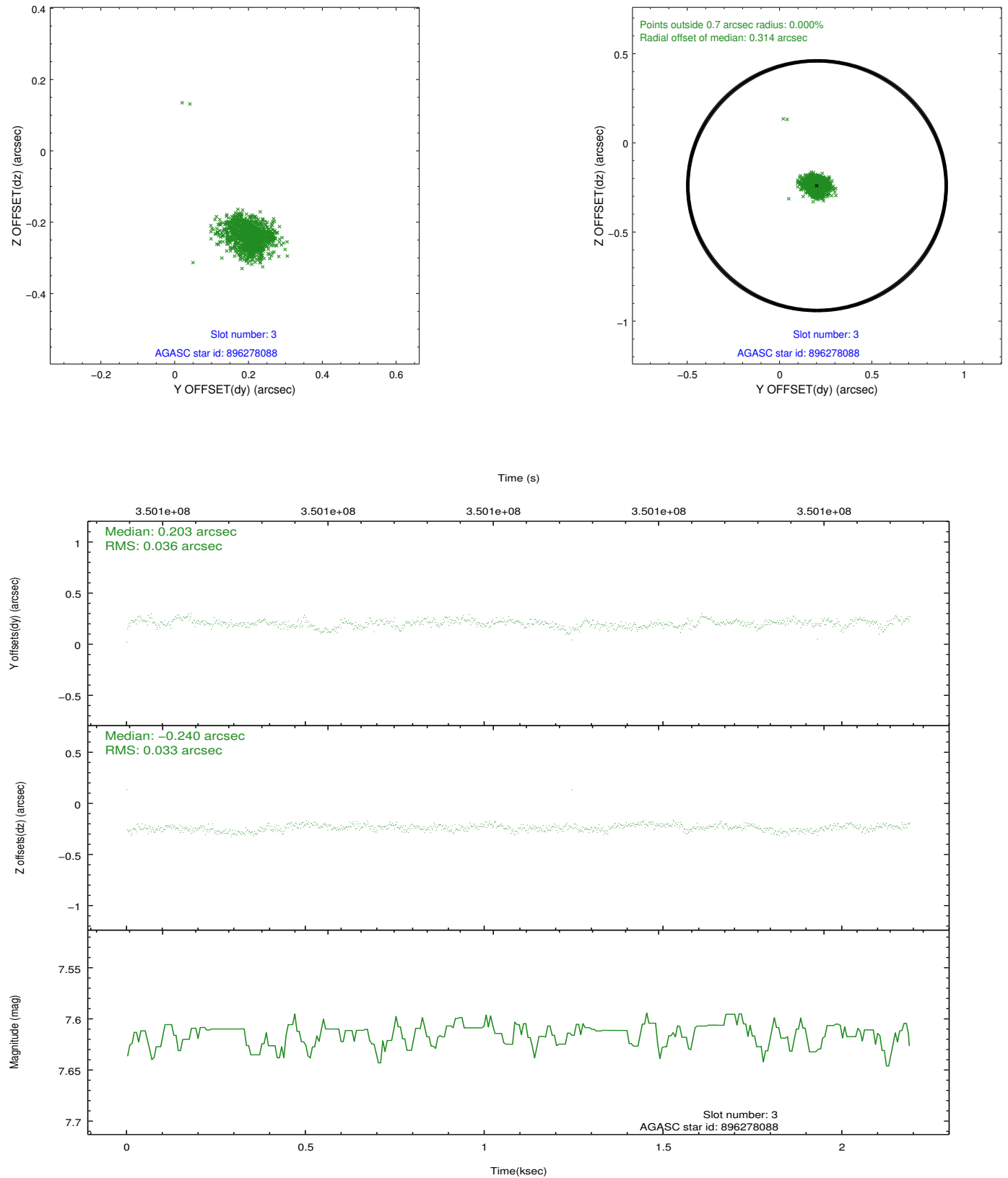


Slot Statistics

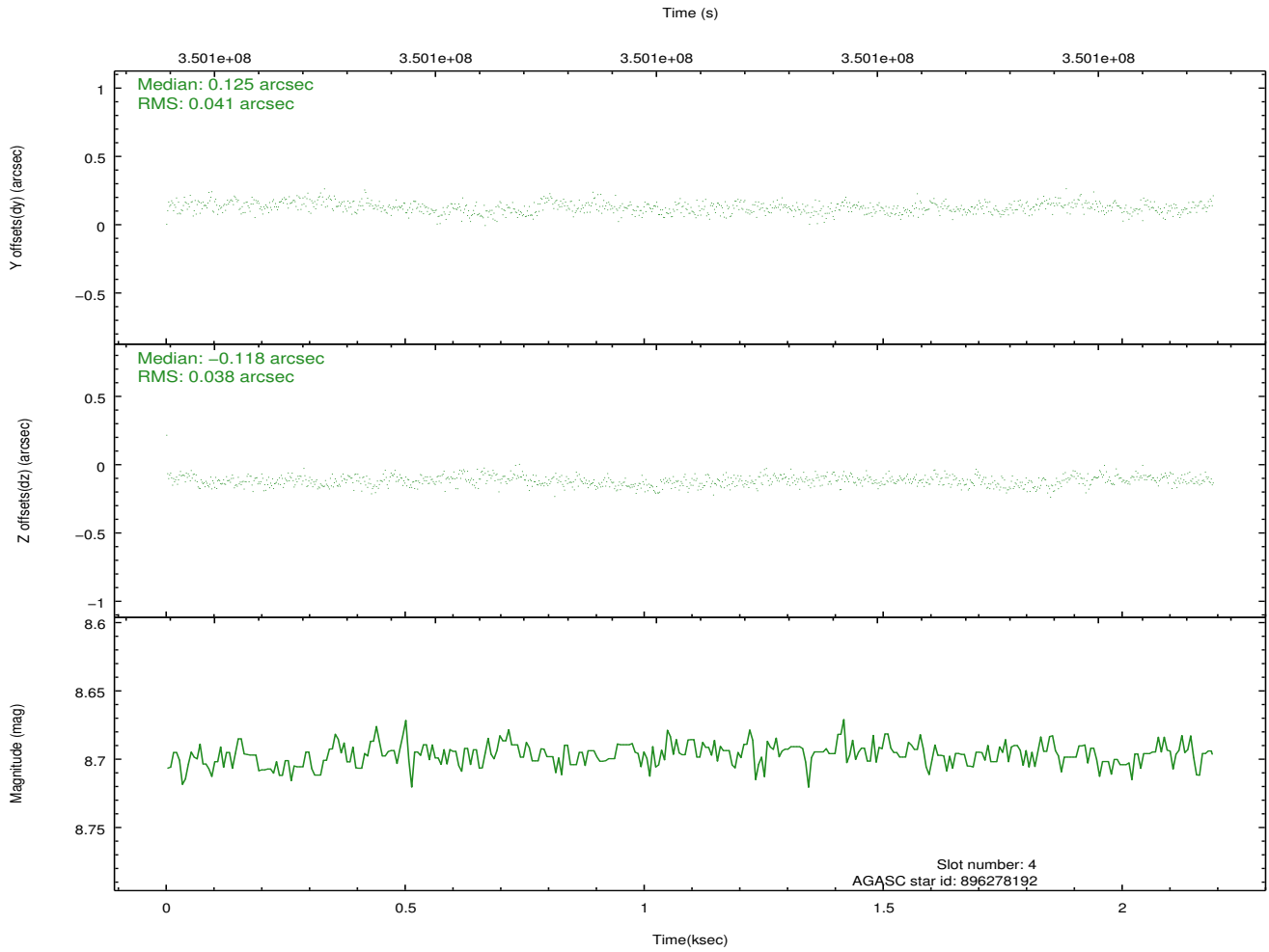
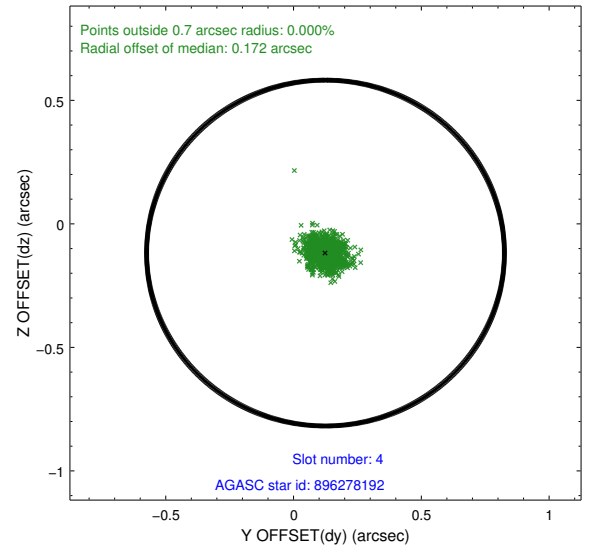
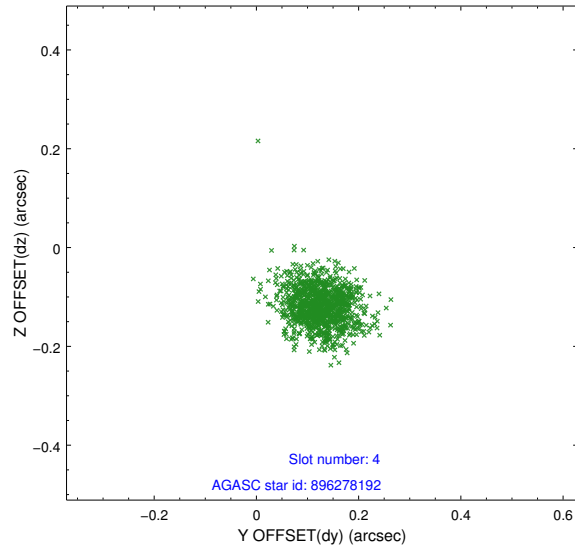
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.00	535	-0.059	-0.014	0.009	0.015	0.000000	0.000000	926.55	-840.00
1	FID	ACIS-I-2	6.93	535	-0.151	-0.059	0.007	0.012	0.000000	0.000000	-765.99	-847.97
2	FID	ACIS-I-4	6.92	535	0.112	0.140	0.006	0.016	0.000000	0.000000	2145.25	1058.44
3	GUIDE	896278088	7.61	1069	0.203	-0.240	0.050	0.079	263.476198	-29.223388	-1726.14	1773.71
4	GUIDE	896278192	8.70	1069	0.125	-0.118	0.058	0.096	263.596121	-29.333327	-2135.01	1411.27
5	GUIDE	896405048	8.30	1069	-0.189	0.061	0.093	0.161	264.482575	-28.152230	2015.73	-1534.09
6	GUIDE	896406568	8.24	1068	-0.041	0.058	0.063	0.101	264.435951	-28.437282	1000.01	-1349.61
7	GUIDE	896405616	7.86	1067	-0.091	0.240	0.071	0.114	264.752771	-28.412560	1047.53	-2354.37

2.4 Star Slots

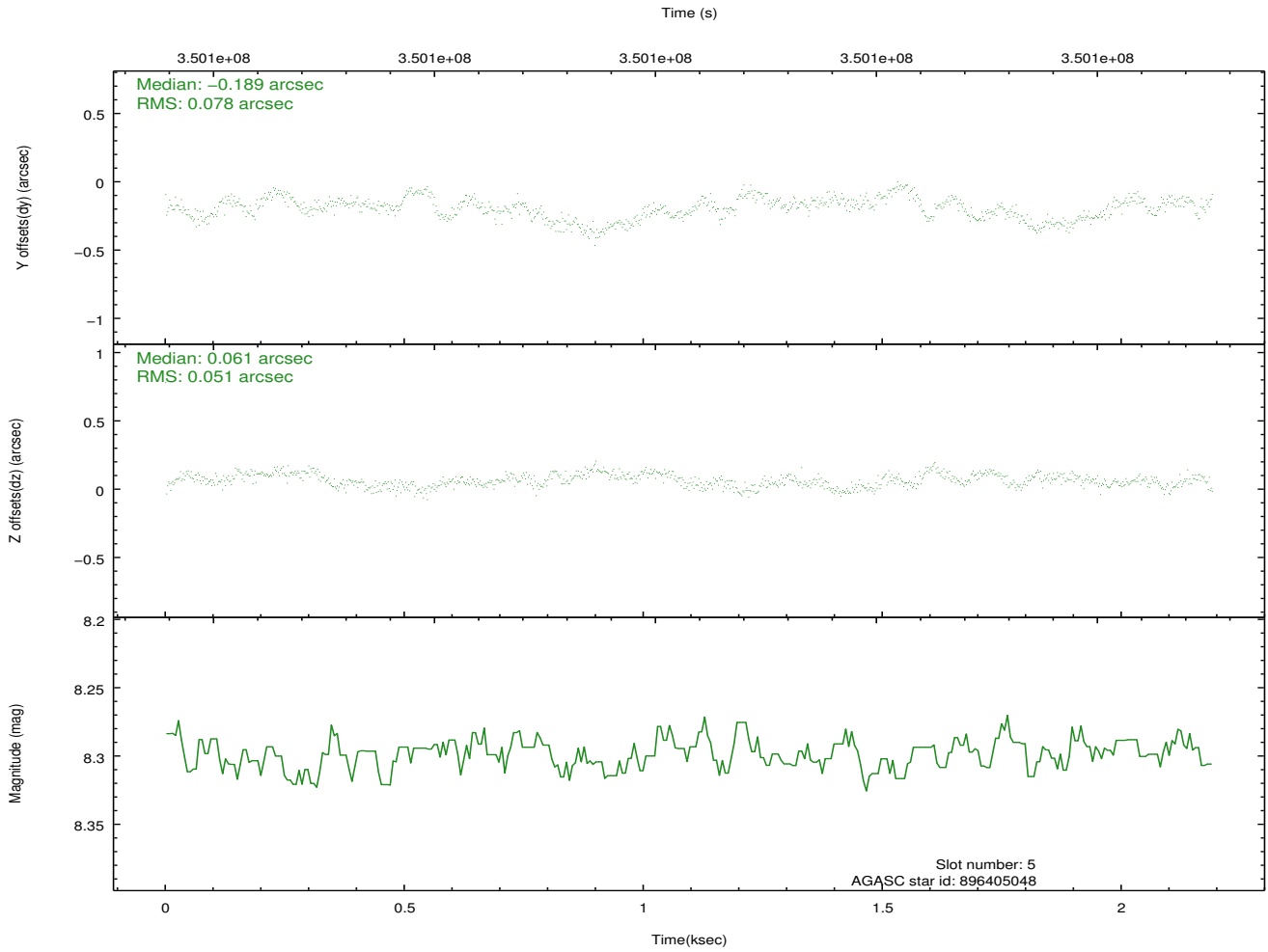
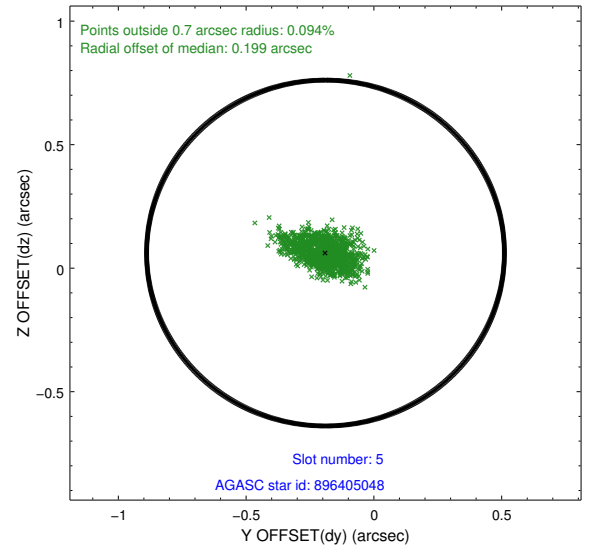
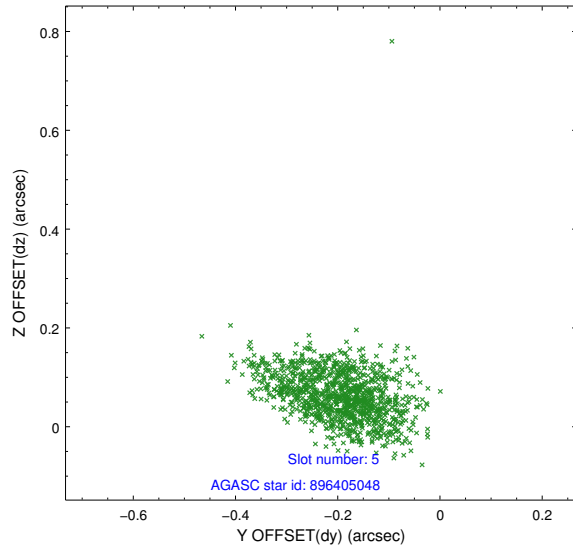
2.4.1 Slot 3



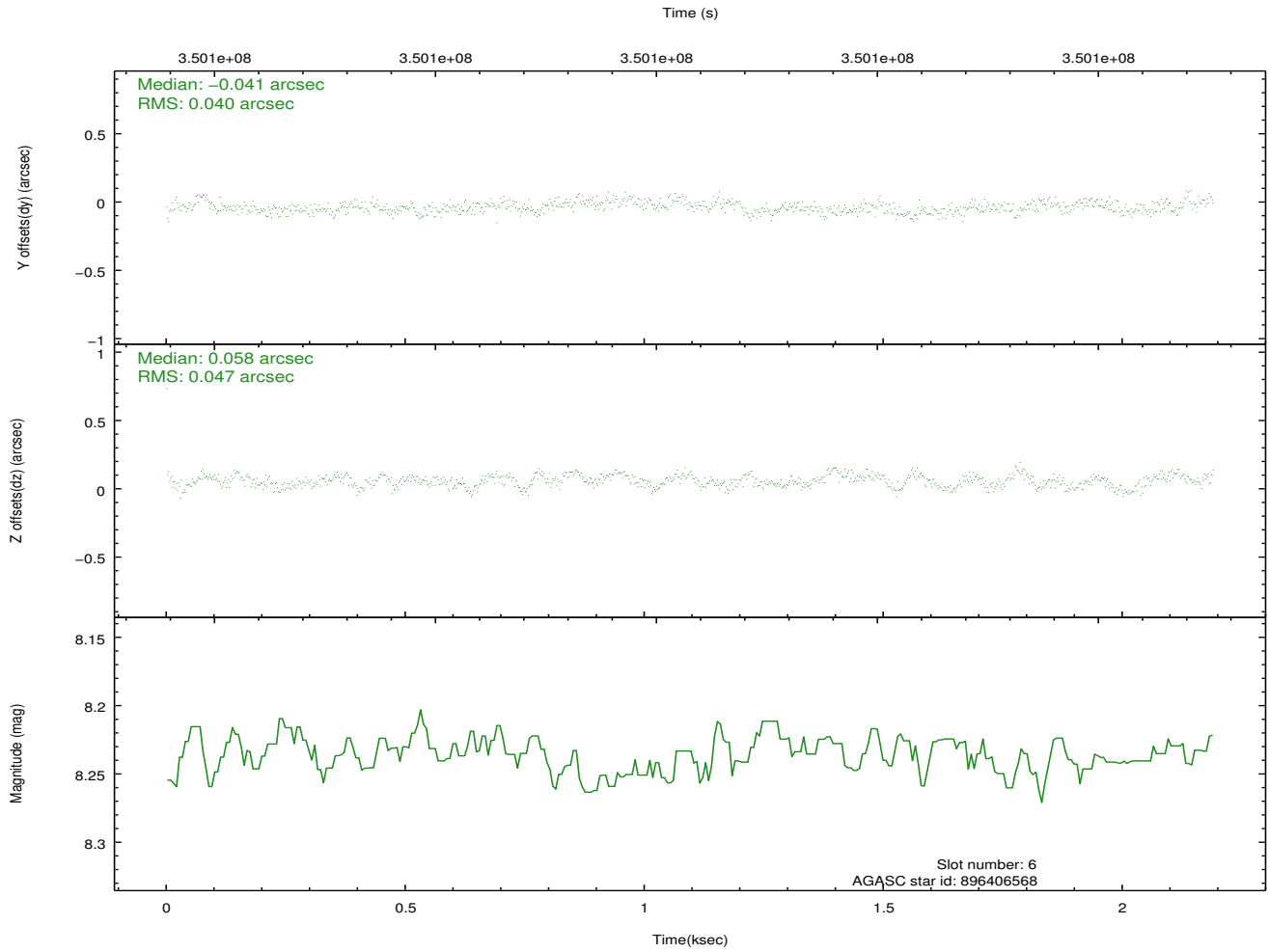
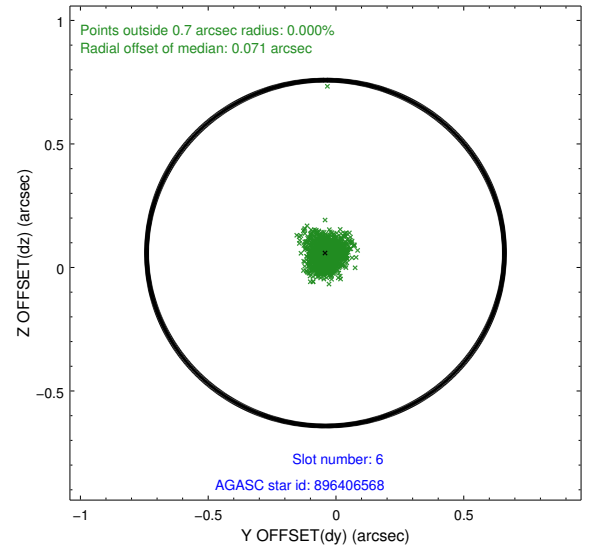
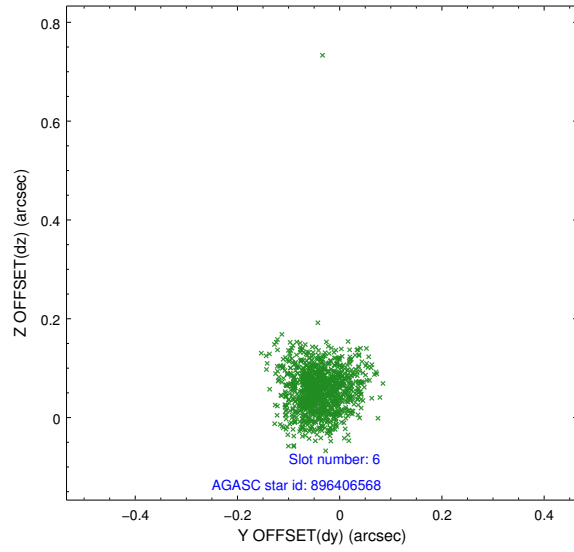
2.4.2 Slot 4



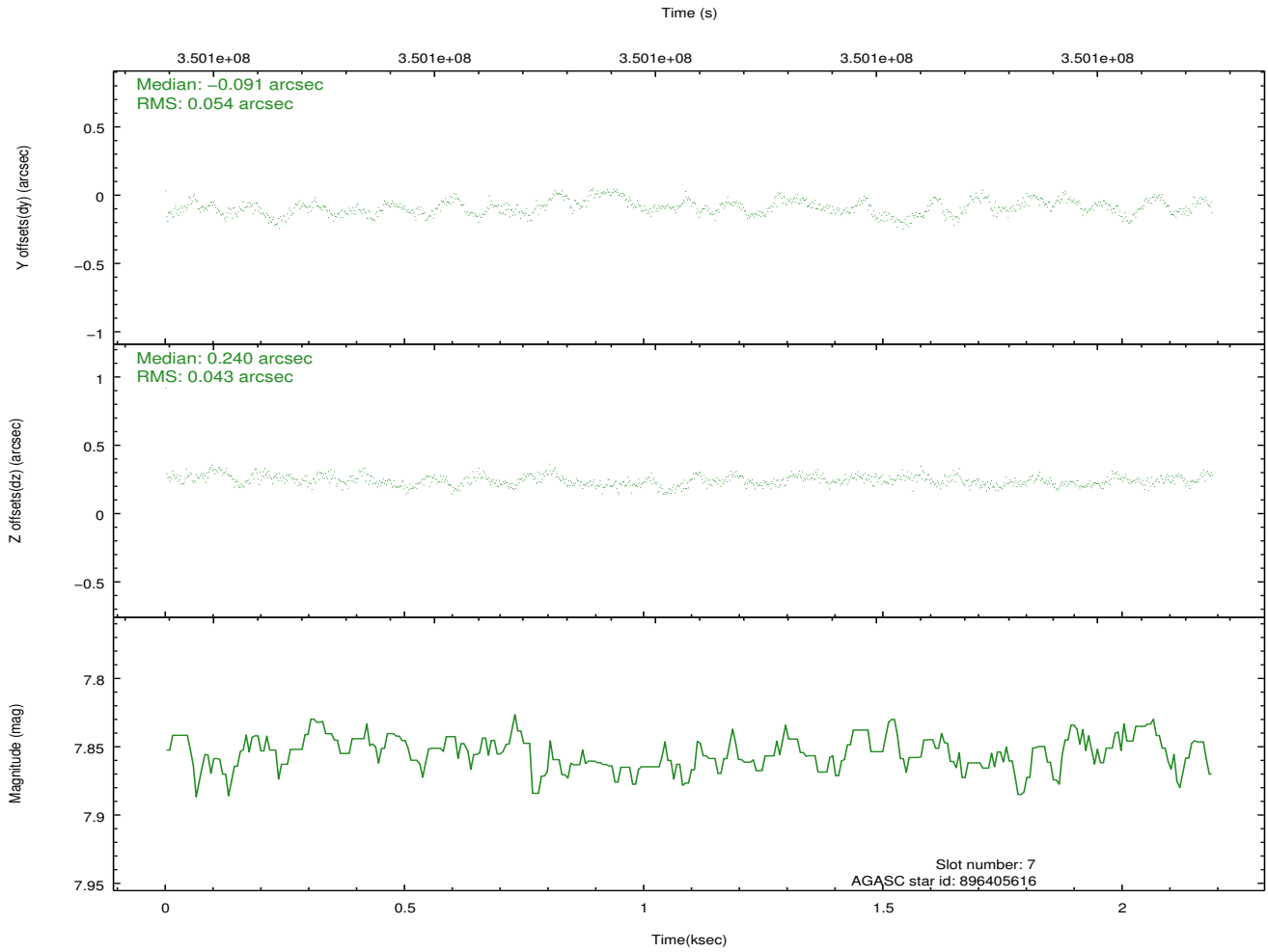
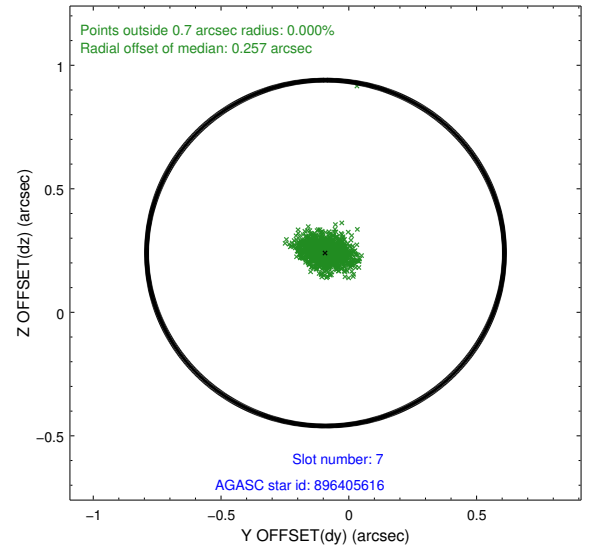
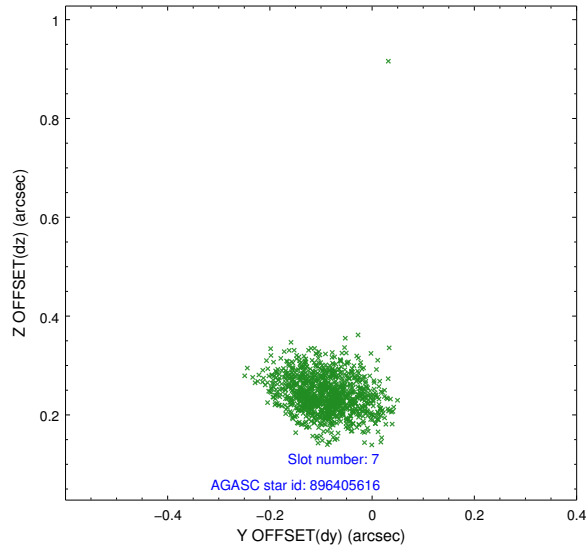
2.4.3 Slot 5



2.4.4 Slot 6

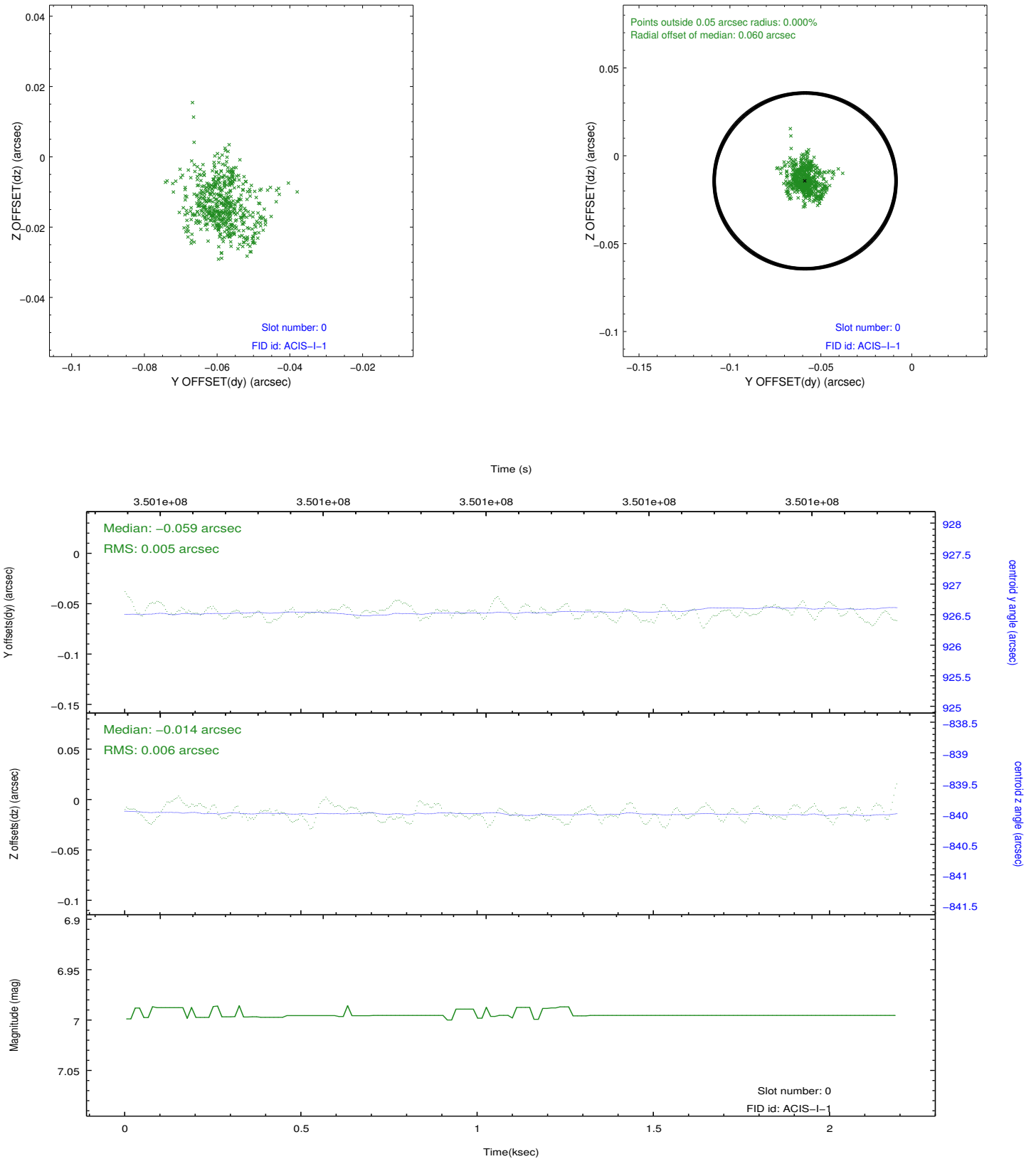


2.4.5 Slot 7

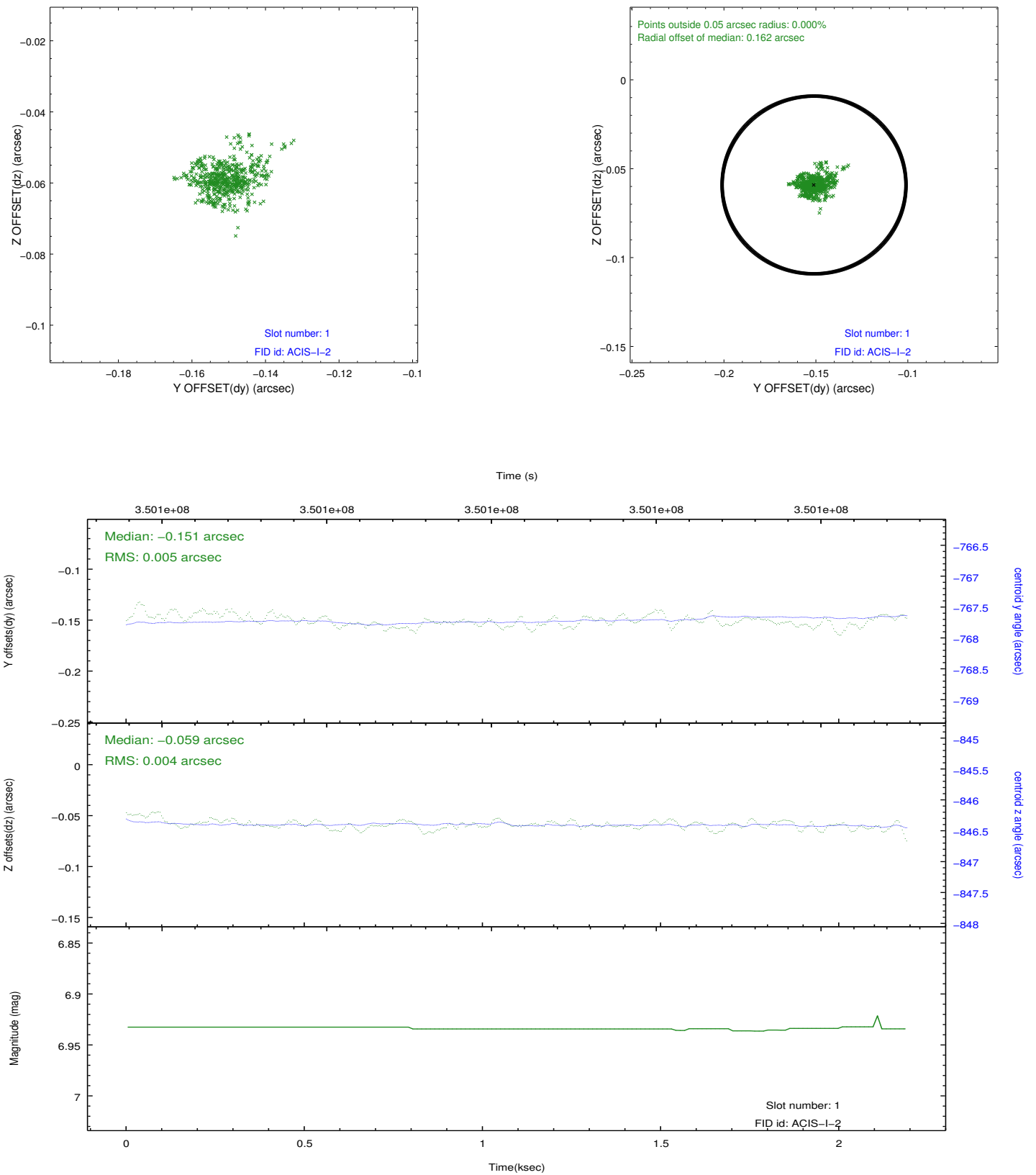


2.5 FID Slots

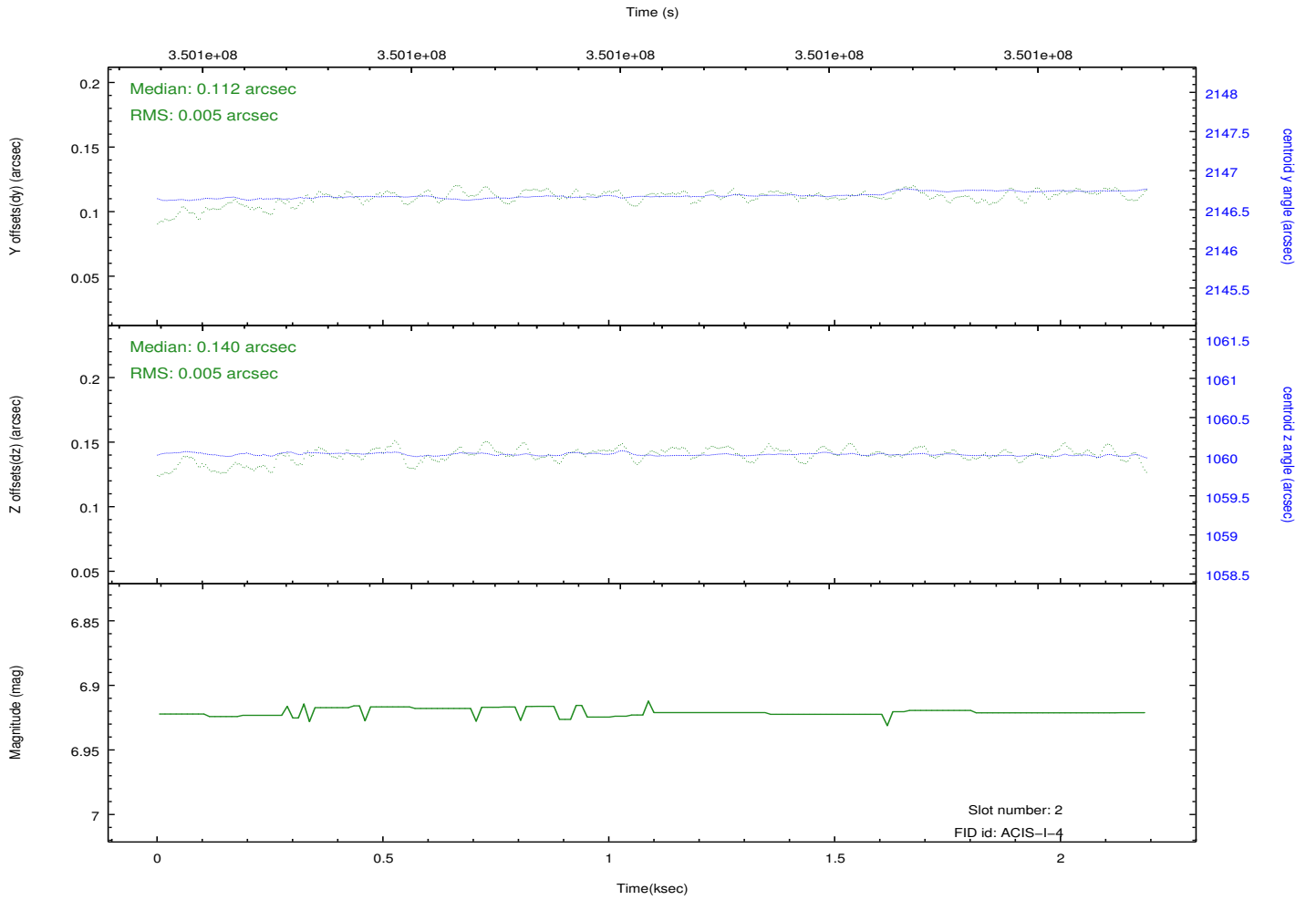
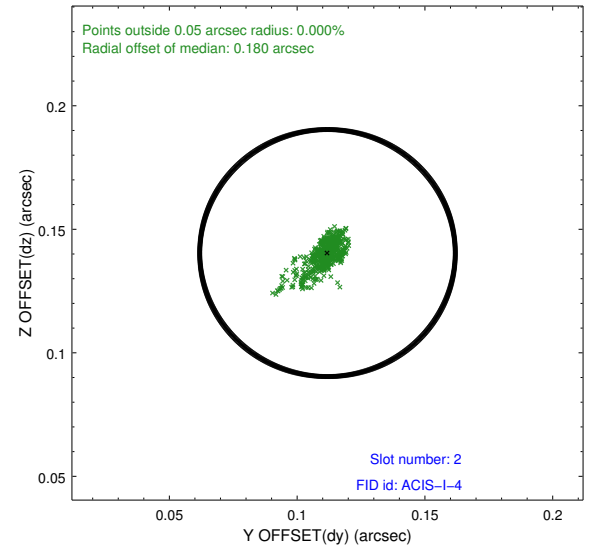
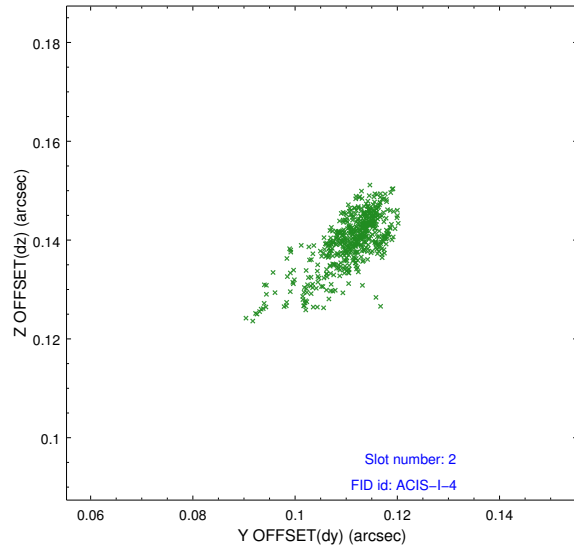
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
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.