

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9996 - L2 Version 2
Chandra X-Ray Center

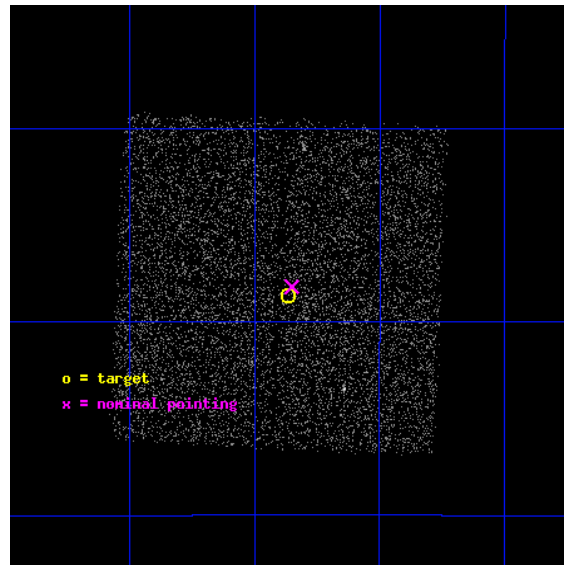
L2 Processing Date : Jun 1 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

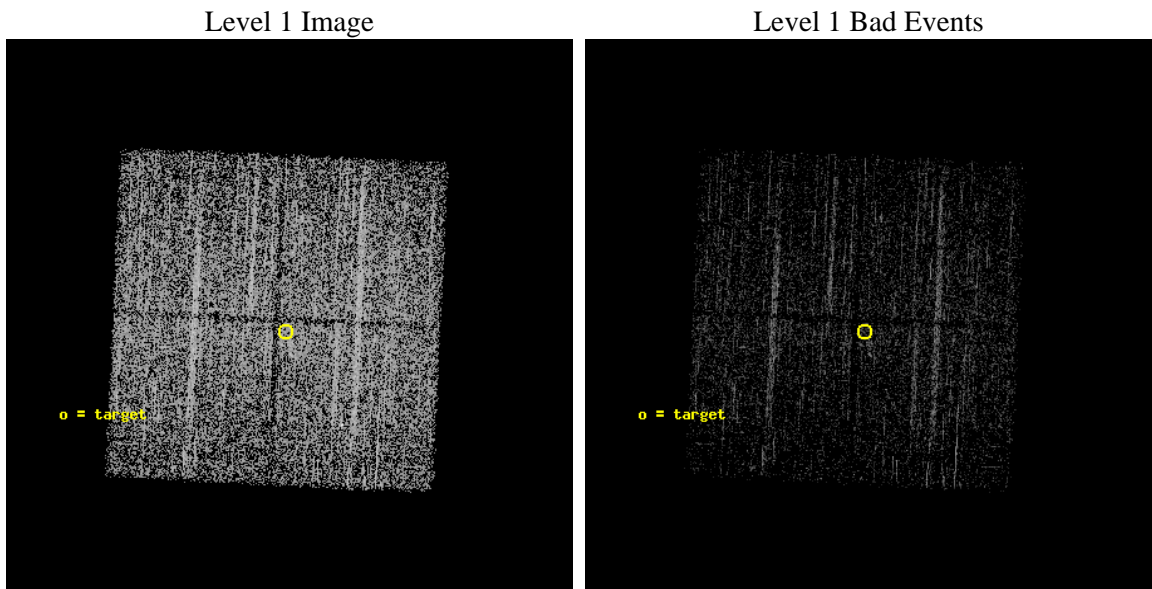
seq_num	400960	Sequence number
obs_id	9996	Observation id
title	Completing the Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS3-10	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	263.840958	Observer's specified target RA [deg]
dec_targ	-29.311056	Observer's specified target Dec [deg]
ra_nom	263.83782880994	Nominal RA [deg]
dec_nom	-29.303334633051	Nominal Dec [deg]
roll_nom	92.681984332925	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2154.5000165701	Sum of GTIs [s]
livetime	2126.3498877338	Livetime [s]
ontime0	2154.5000165701	Sum of GTIs [s]
ontime1	2154.5000165701	Sum of GTIs [s]
ontime2	2154.5000165701	Sum of GTIs [s]
ontime3	2154.5000165701	Sum of GTIs [s]
l2events	10455	Number of level 2 events



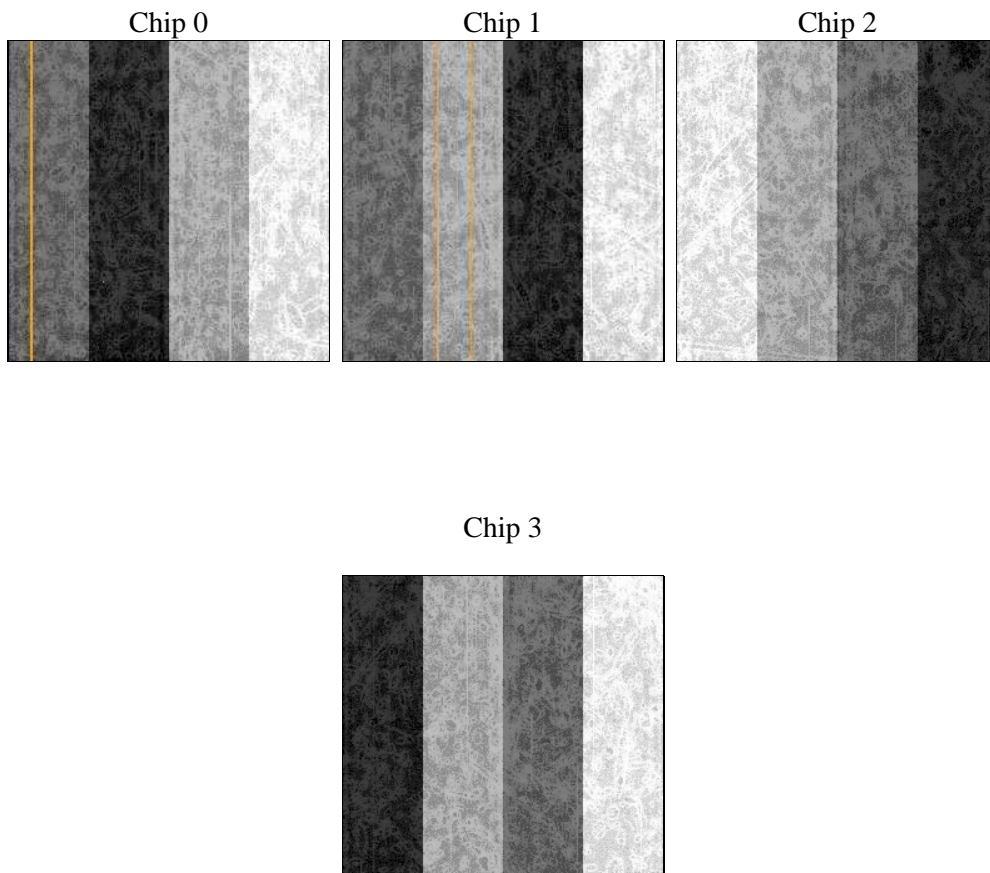
2 OBI

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	2154.5000165701	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	2154.5000165701	Sum of GTIs [s]
date	2012-06-01T05:46:06	Date and time of file creation	ontime1	2154.5000165701	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2154.5000165701	Sum of GTIs [s]
			ontime3	2154.5000165701	Sum of GTIs [s]
			l1events	102487	Number of level 1 events

2.1.4 Events

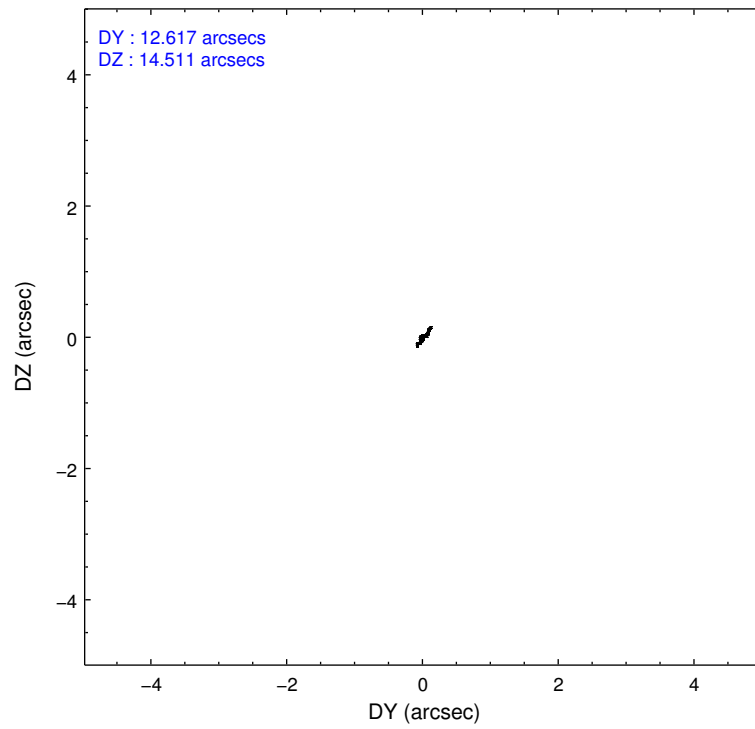
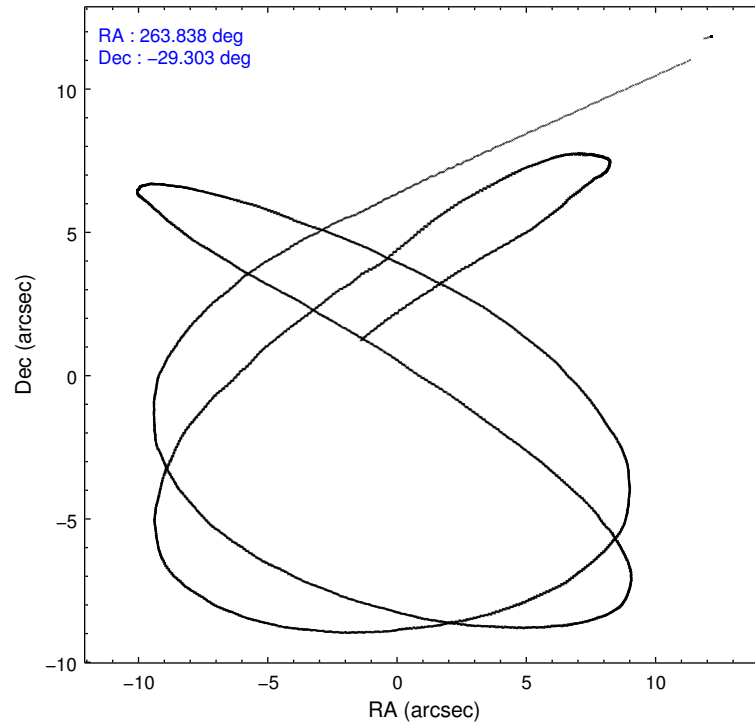
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	25472	24250	25944	26821
rejected events	22527	21147	22989	23740
rejected %	88%	87%	88%	88%

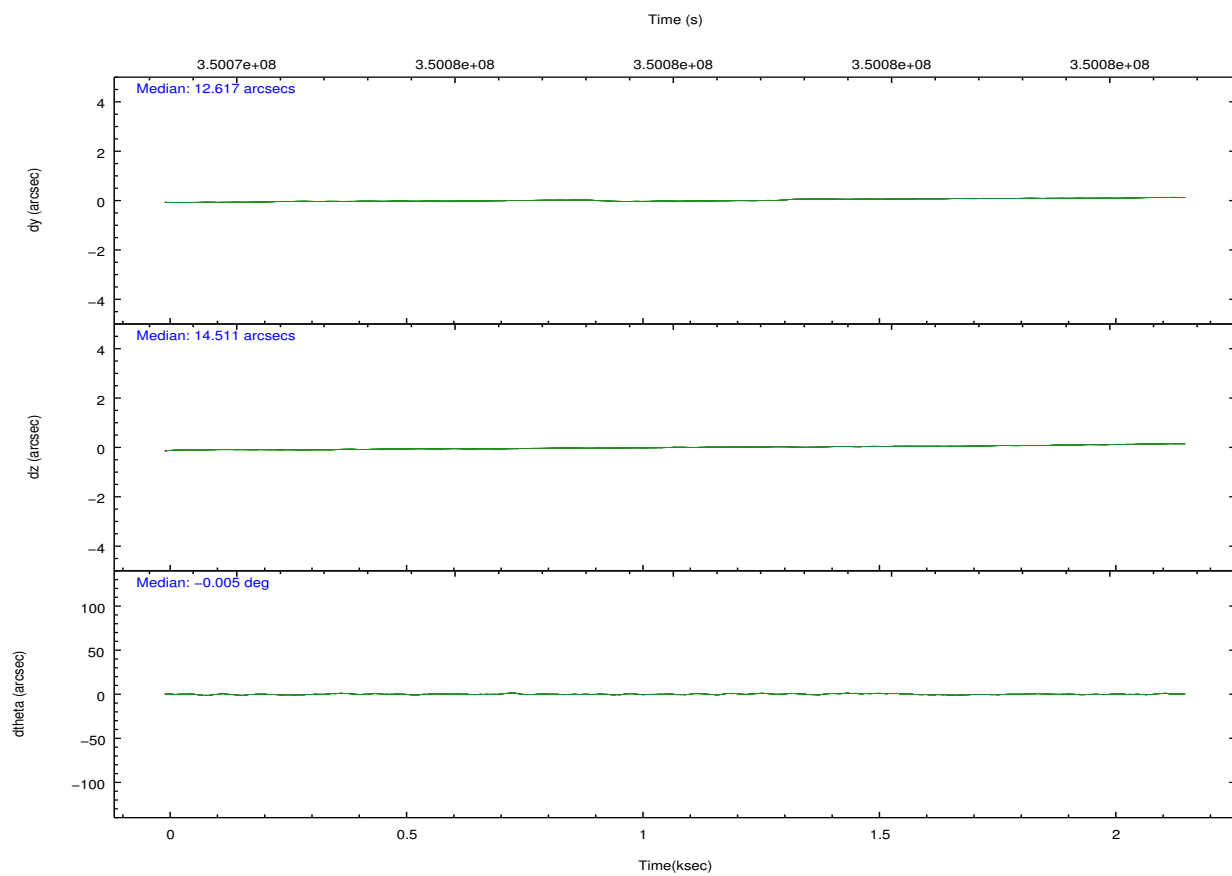
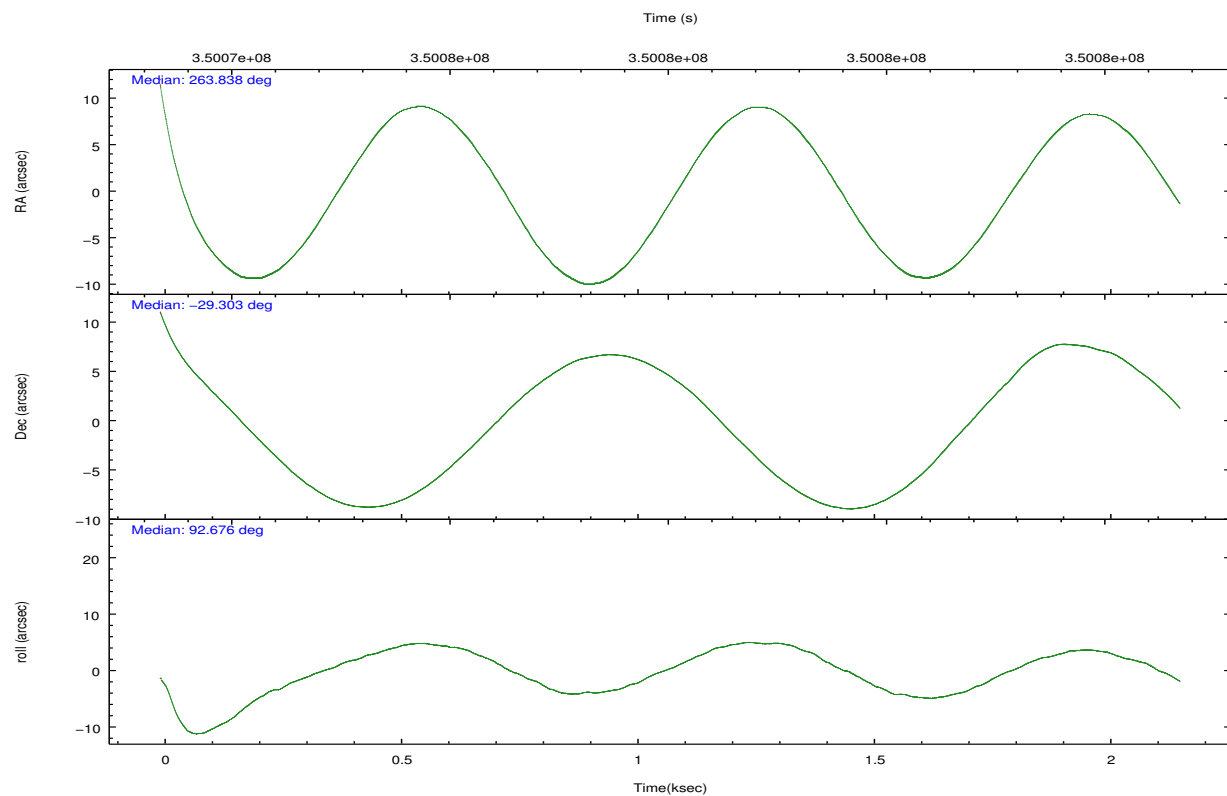
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1545	1534	1642	1816
	6%	6%	6%	6%
grade 1 events	15	16	14	20
	0%	0%	0%	0%
grade 2 events	782	868	738	691
	3%	3%	2%	2%
grade 3 events	327	365	310	302
	1%	1%	1%	1%
grade 4 events	306	338	314	314
	1%	1%	1%	1%
grade 5 events	1106	1150	1053	1306
	4%	4%	4%	4%
grade 6 events	609	654	557	624
	2%	2%	2%	2%
grade 7 events	20782	19325	21316	21748
	81%	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	263.854930	263.8378288099408	Subarray requested	NONE	NONE
[deg] Pointing Dec	-29.326539	-29.30333463305106	Alternating exposures requested	N	N
[deg] Pointing Roll	92.481665	92.68198433292547	[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)	350074578.184000	350073509.87963			
Observation start date	2009-02-03T18:55:12	2009-02-03T18:38:29			
[s] Observation end time (MET)	350076578.184000	350076711.97979			
Observation end date	2009-02-03T19:28:32	2009-02-03T19:31:51			
Read mode	TIMED	TIMED			

2.3 Aspect



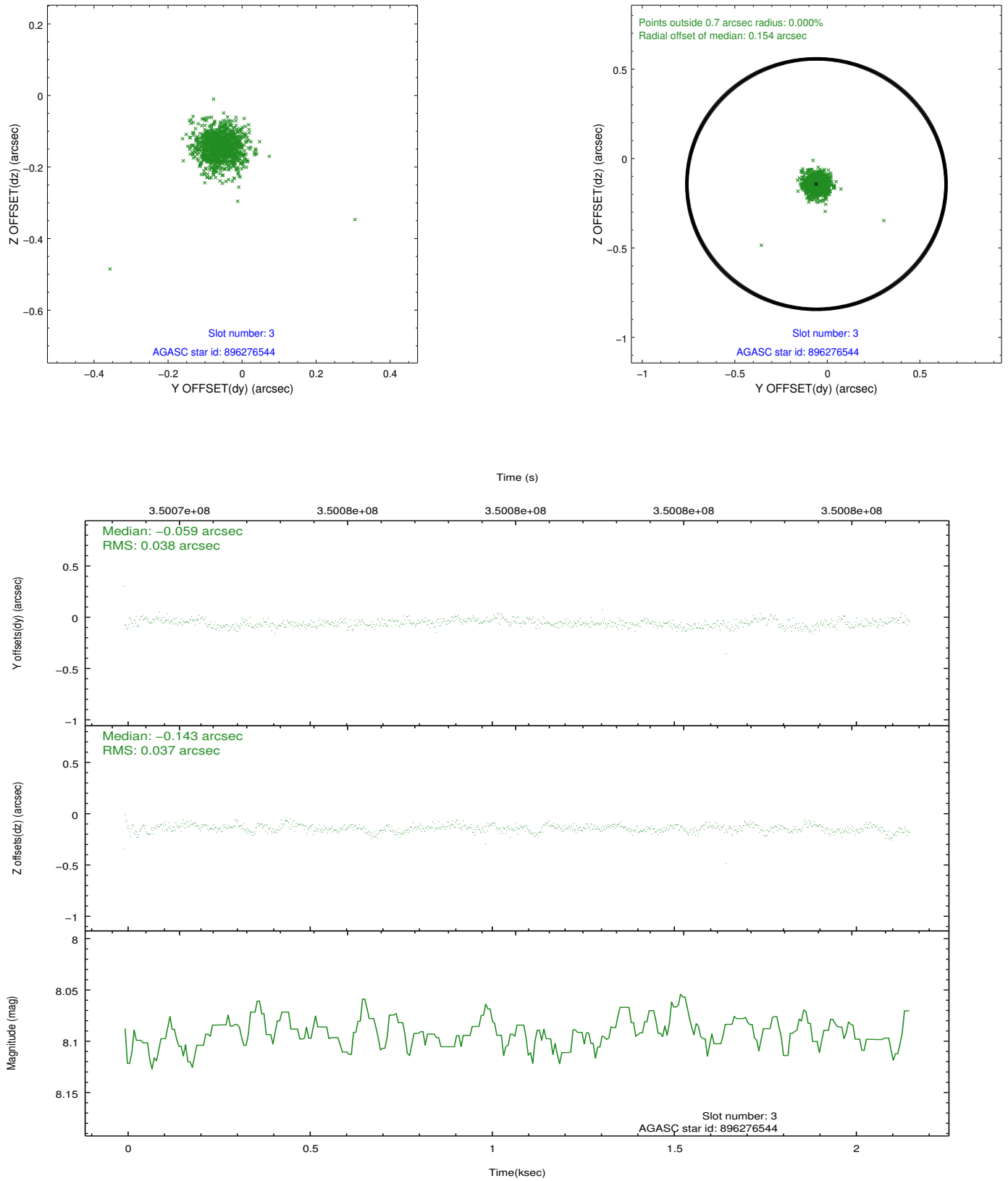


Slot Statistics

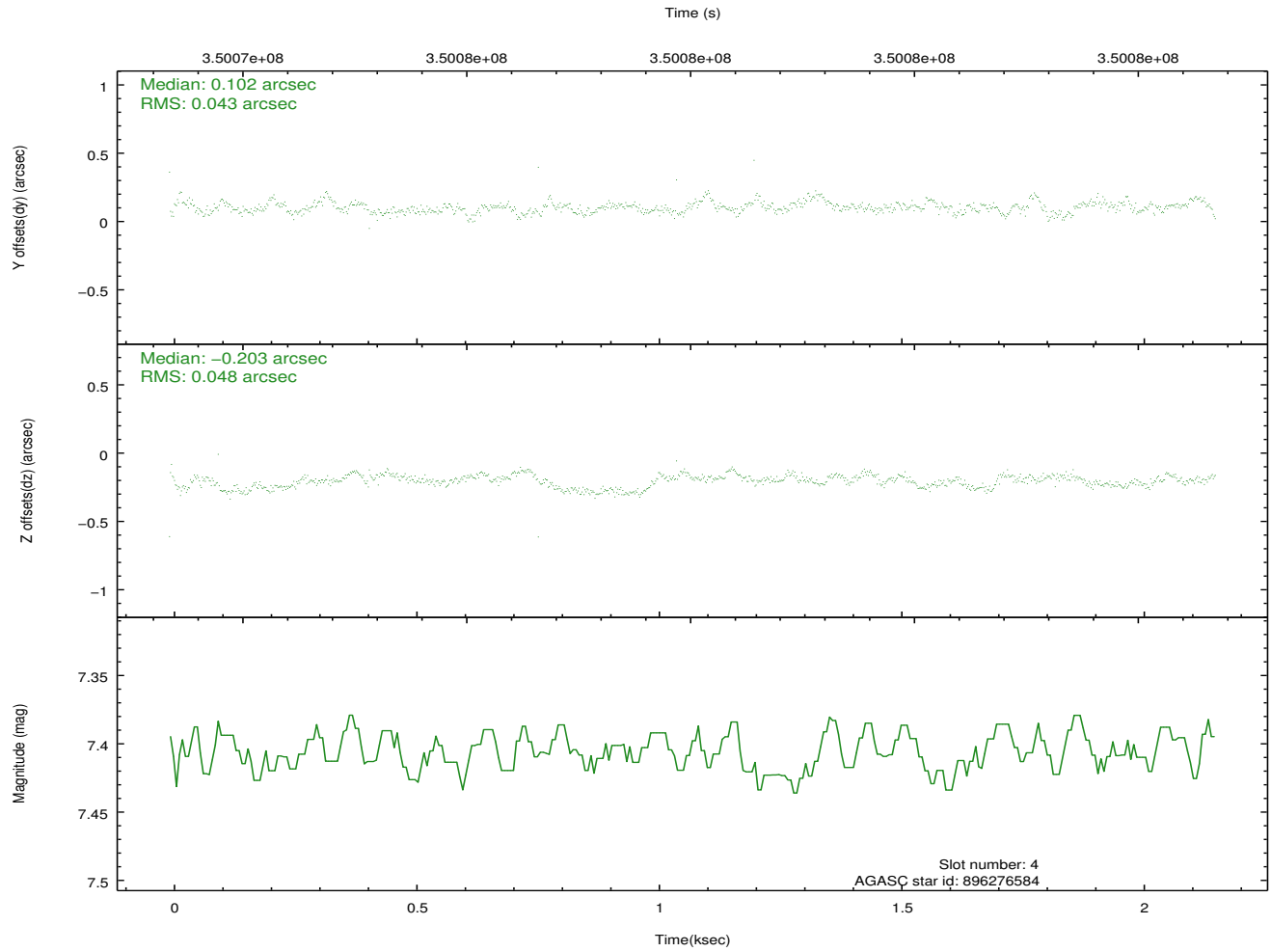
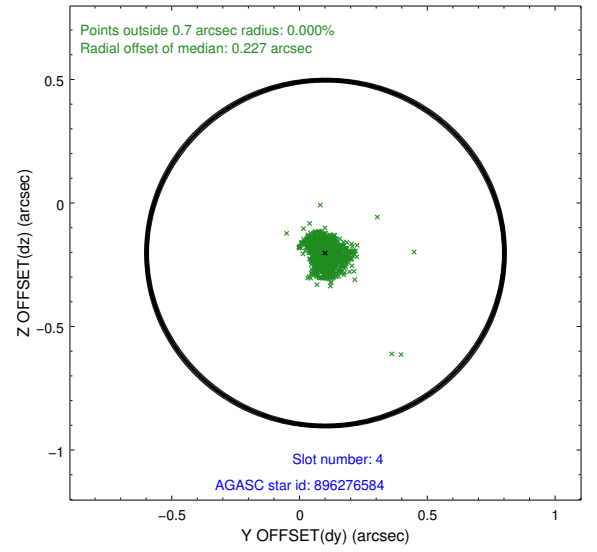
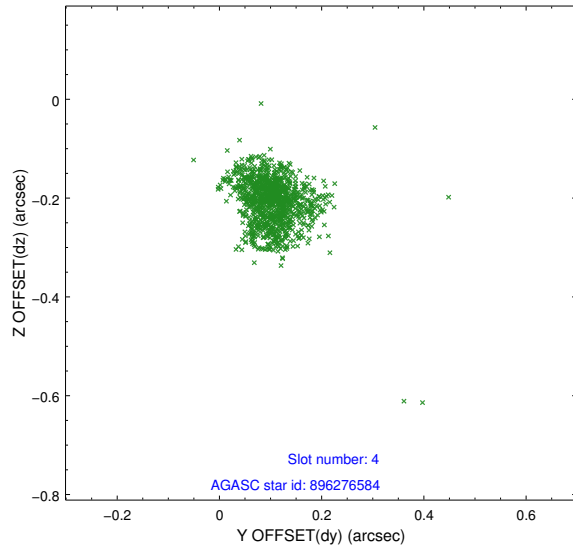
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.02	527	0.042	0.011	0.006	0.012	0.000000	0.000000	926.97	-838.04
1	FID	ACIS-I-2	6.94	527	-0.033	-0.068	0.008	0.017	0.000000	0.000000	-765.52	-846.15
2	FID	ACIS-I-5	7.01	527	-0.101	0.130	0.007	0.014	0.000000	0.000000	-1822.91	1057.91
3	GUIDE	896276544	8.09	1053	-0.059	-0.143	0.052	0.087	263.666616	-29.255819	279.16	579.97
4	GUIDE	896276584	7.41	1053	0.102	-0.203	0.064	0.101	263.264332	-29.650845	-1091.14	1897.21
5	GUIDE	896278088	7.60	1053	-0.104	-0.154	0.049	0.080	263.476198	-29.223388	419.12	1174.66
6	GUIDE	896403072	8.34	1051	-0.050	0.195	0.057	0.091	263.956439	-28.943077	1365.36	-377.63
7	GUIDE	896406904	8.97	1051	0.116	0.310	0.084	0.130	264.311862	-29.742267	-1558.55	-1362.04

2.4 Star Slots

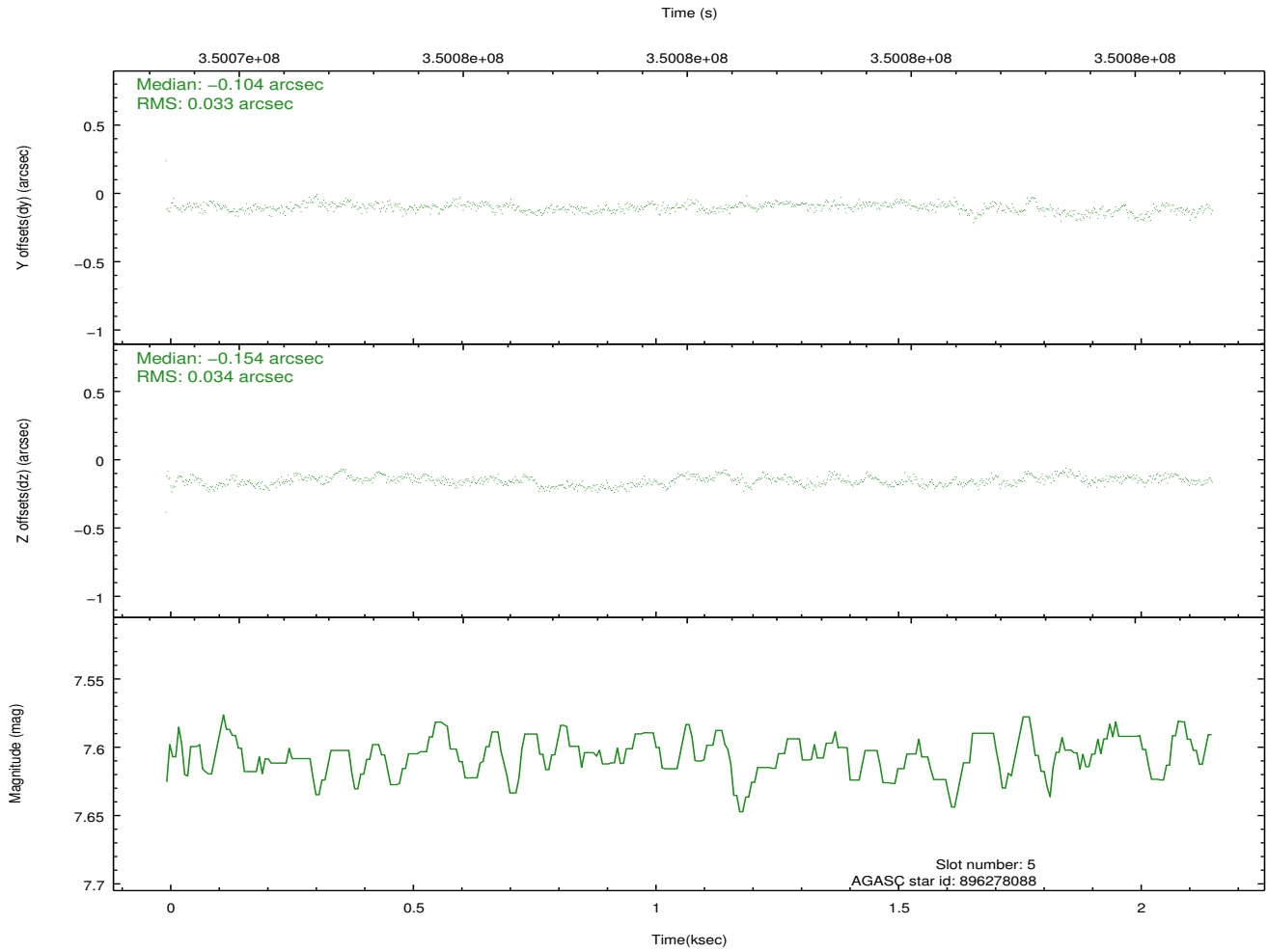
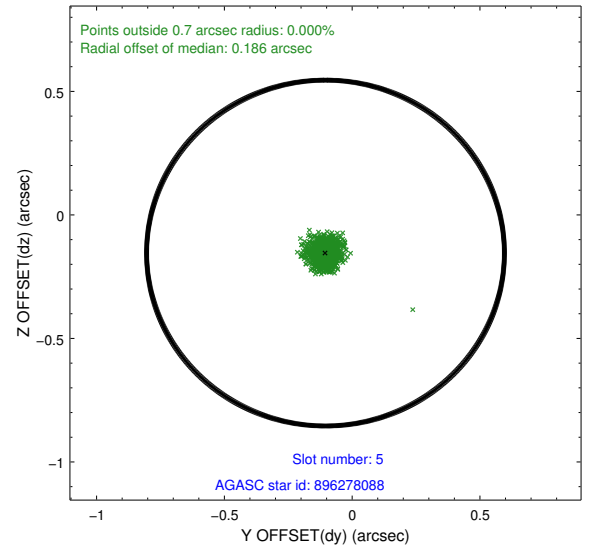
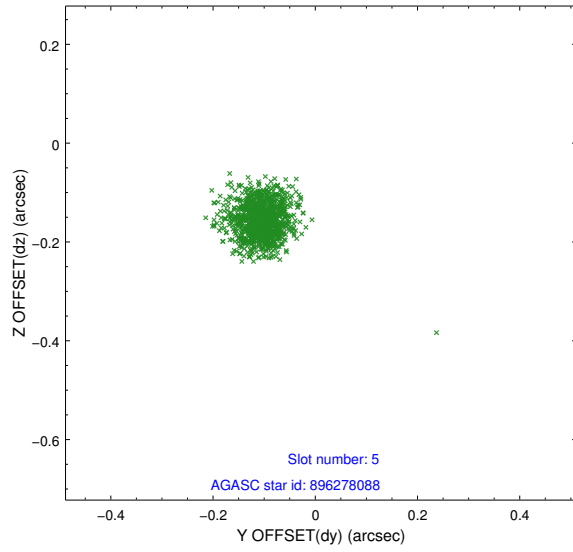
2.4.1 Slot 3



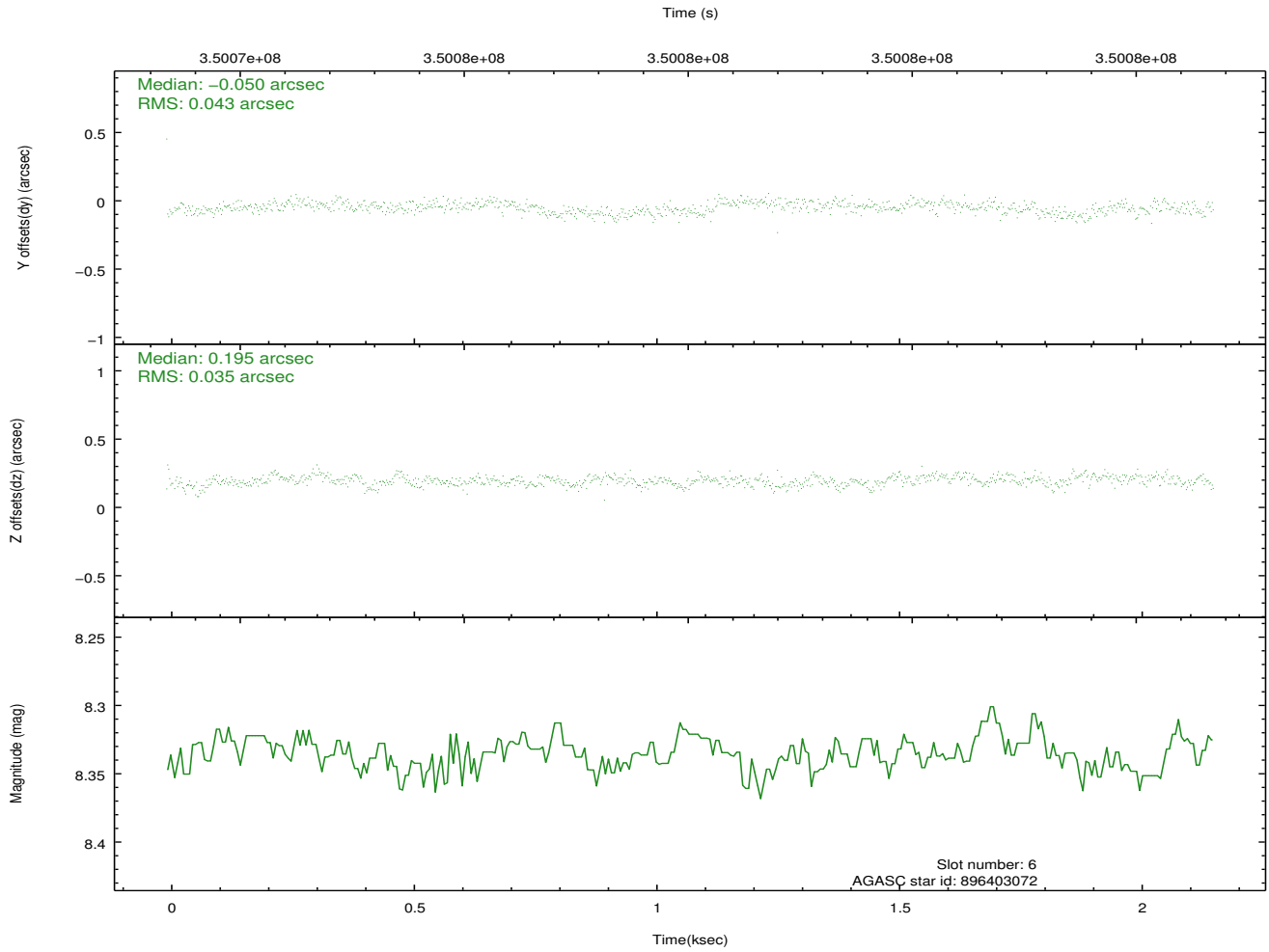
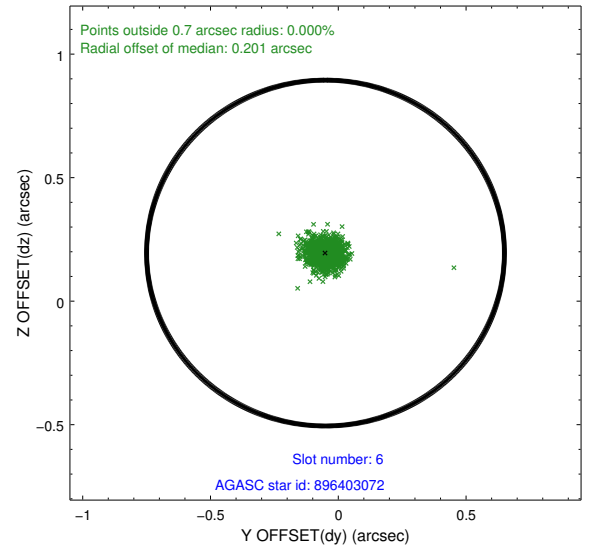
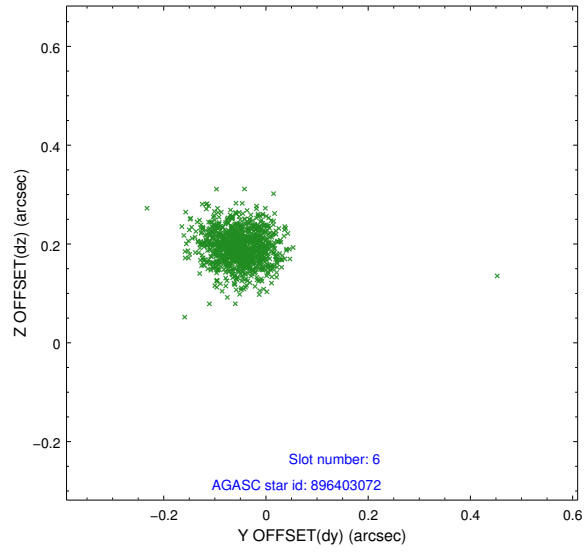
2.4.2 Slot 4



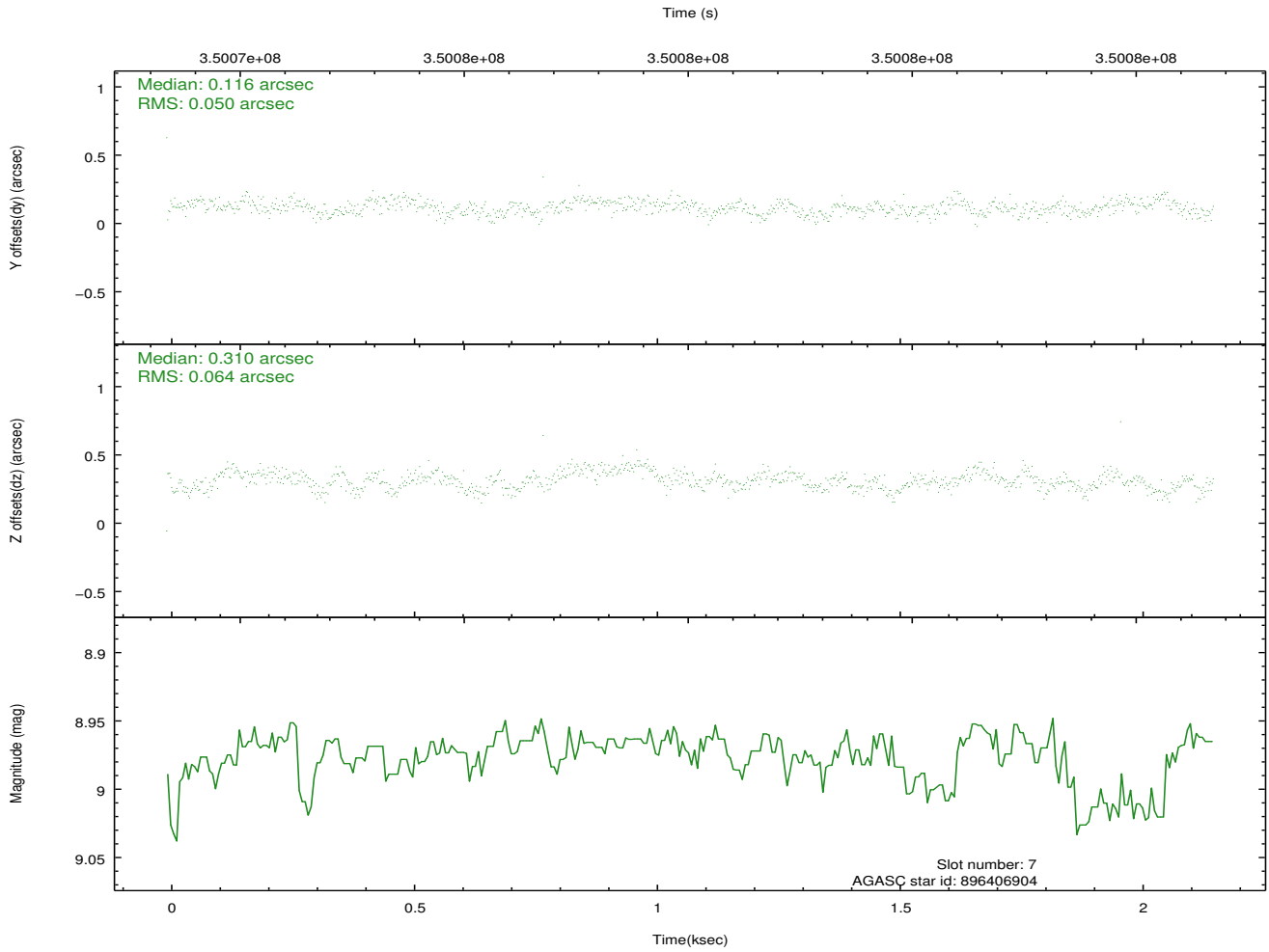
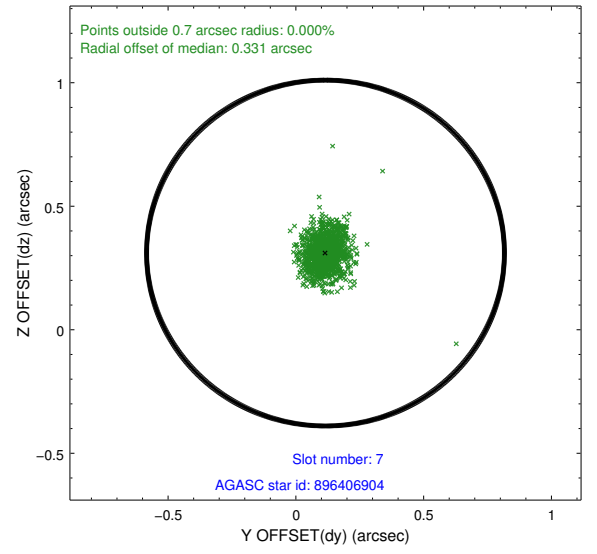
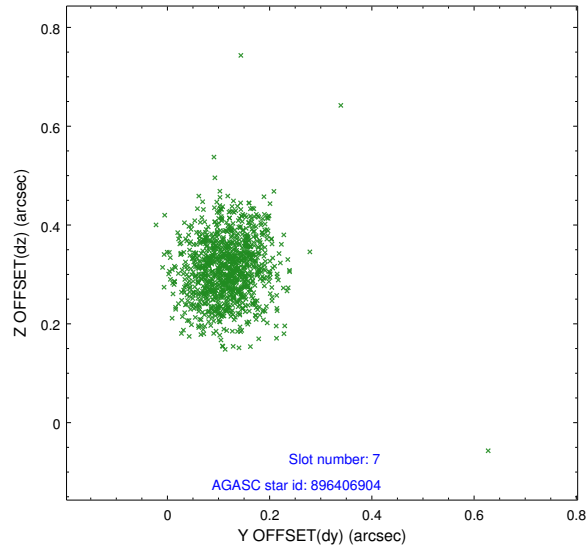
2.4.3 Slot 5



2.4.4 Slot 6

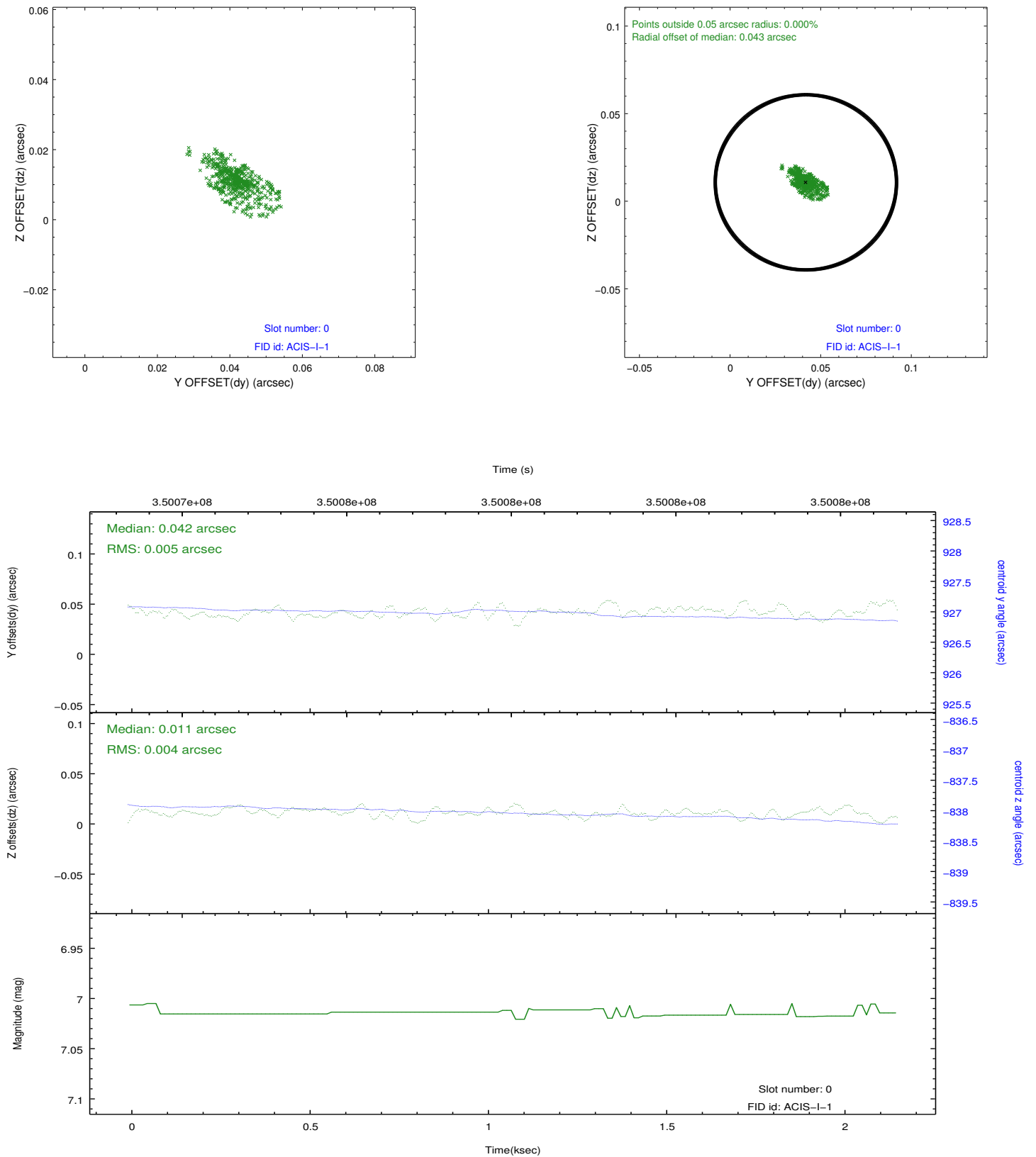


2.4.5 Slot 7

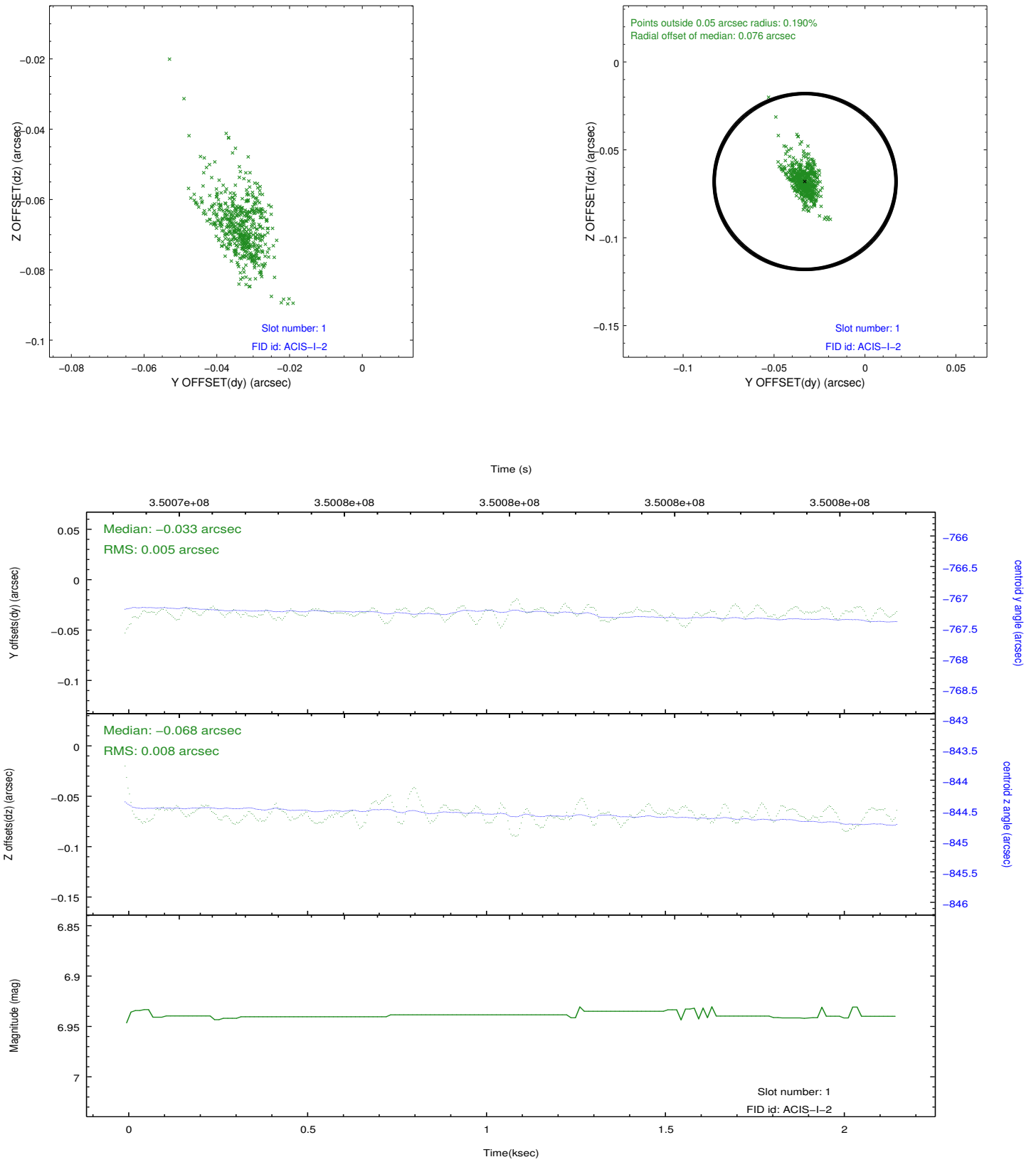


2.5 FID Slots

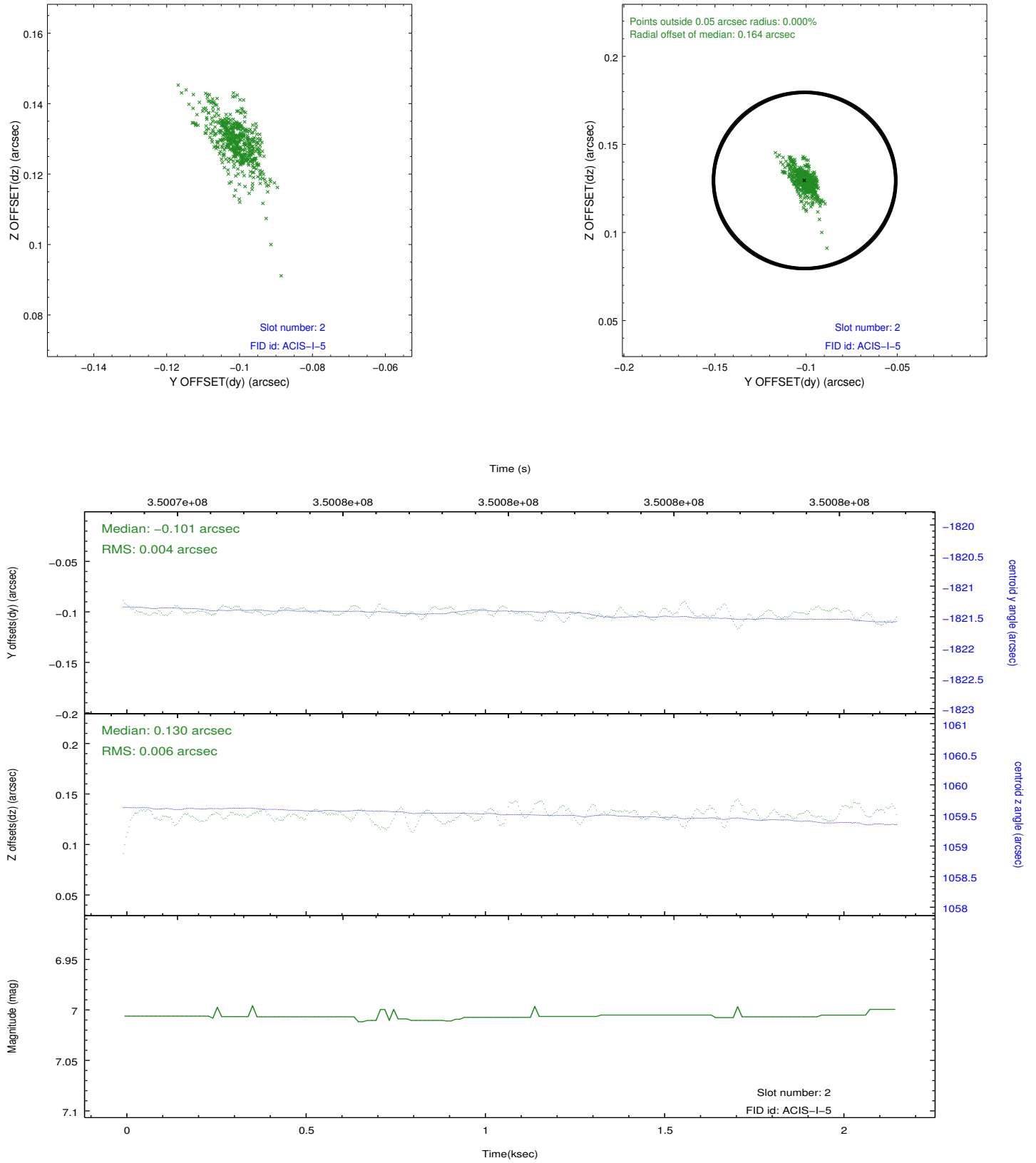
2.5.1 Slot 0



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	2.15450001

A.2 Comments

Joint Proposal: NOAO