

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9984 - L2 Version 2
Chandra X-Ray Center

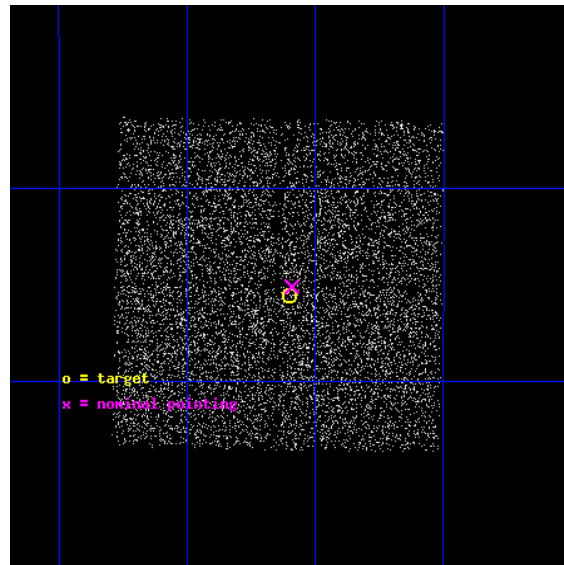
L2 Processing Date : Jun 1 2012

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

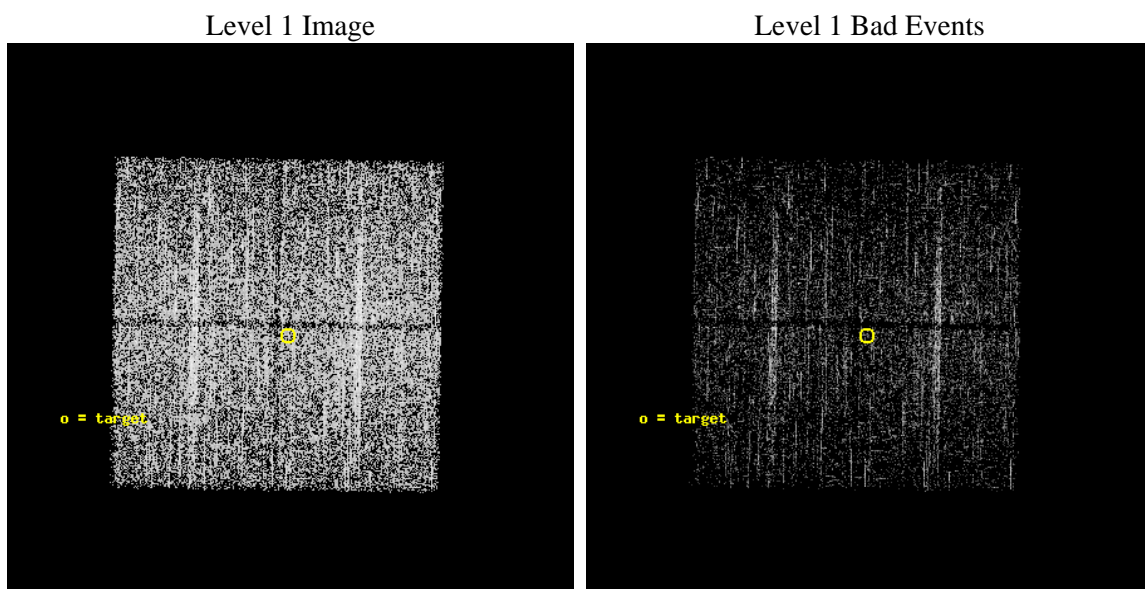
seq_num	400948	Sequence number
obs_id	9984	Observation id
title	Completing the Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS1-10	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	265.776	Observer's specified target RA [deg]
dec_targ	-26.593111	Observer's specified target Dec [deg]
ra_nom	265.77311282561	Nominal RA [deg]
dec_nom	-26.585285574424	Nominal Dec [deg]
roll_nom	90.932160986931	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	10575	Number of level 2 events



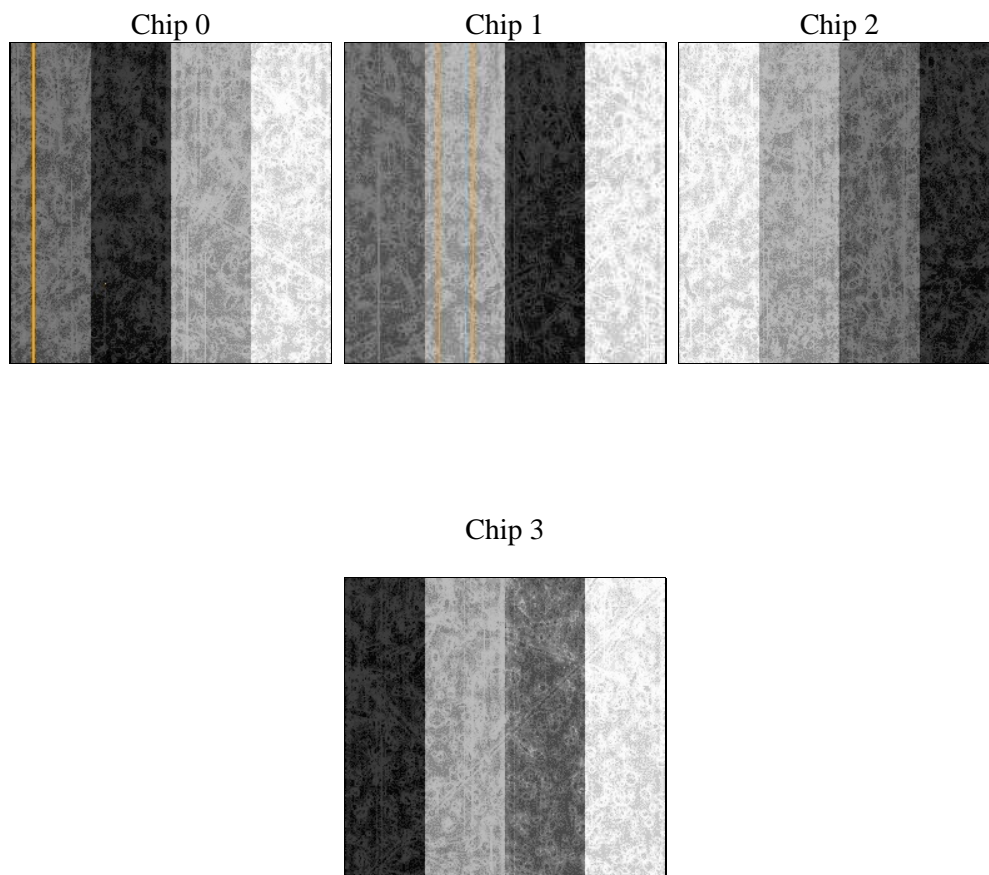
2 OBI

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	2012-06-01T08:02:39	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	99695	Number of level 1 events

2.1.4 Events

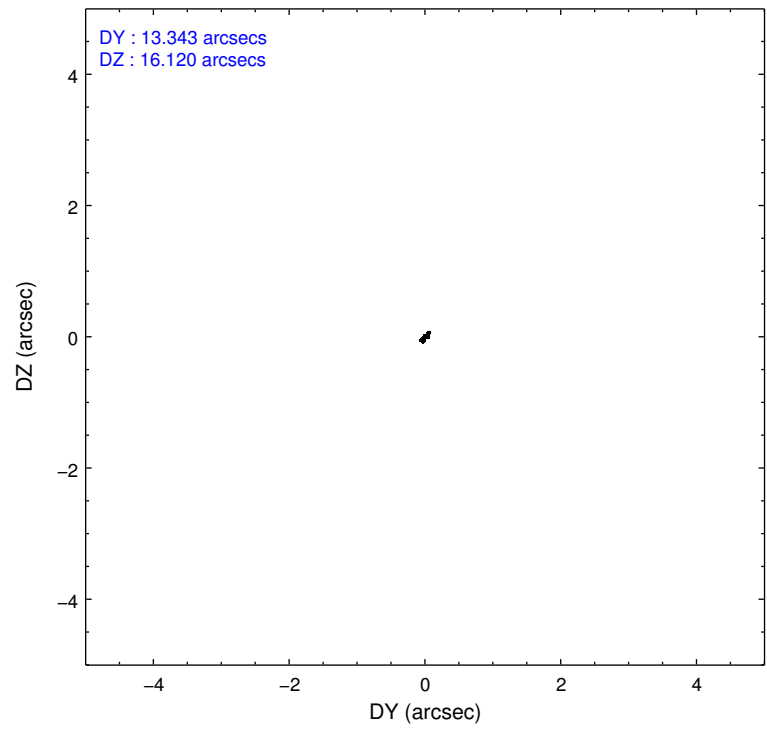
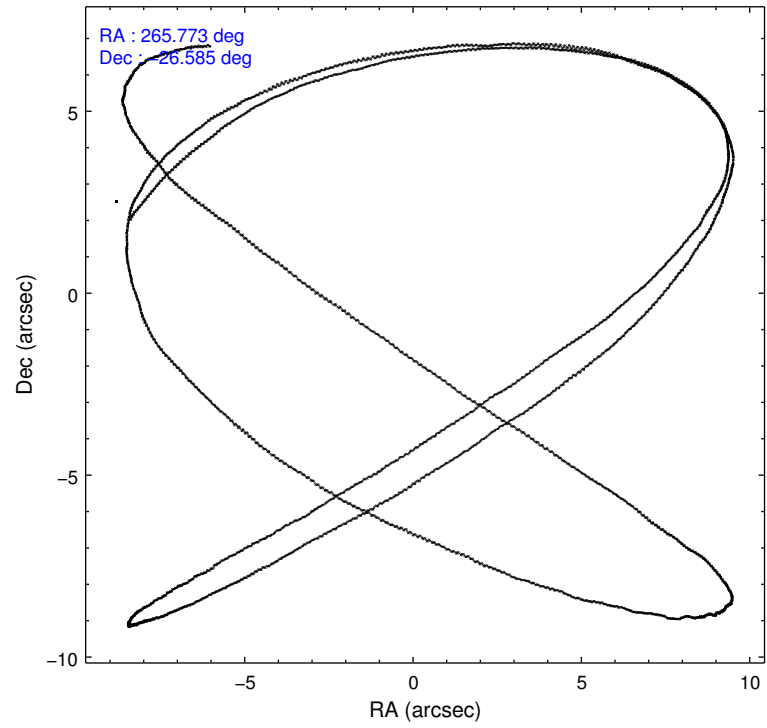
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	24414	24716	25357	25208
rejected events	21337	21534	22409	22224
rejected %	87%	87%	88%	88%

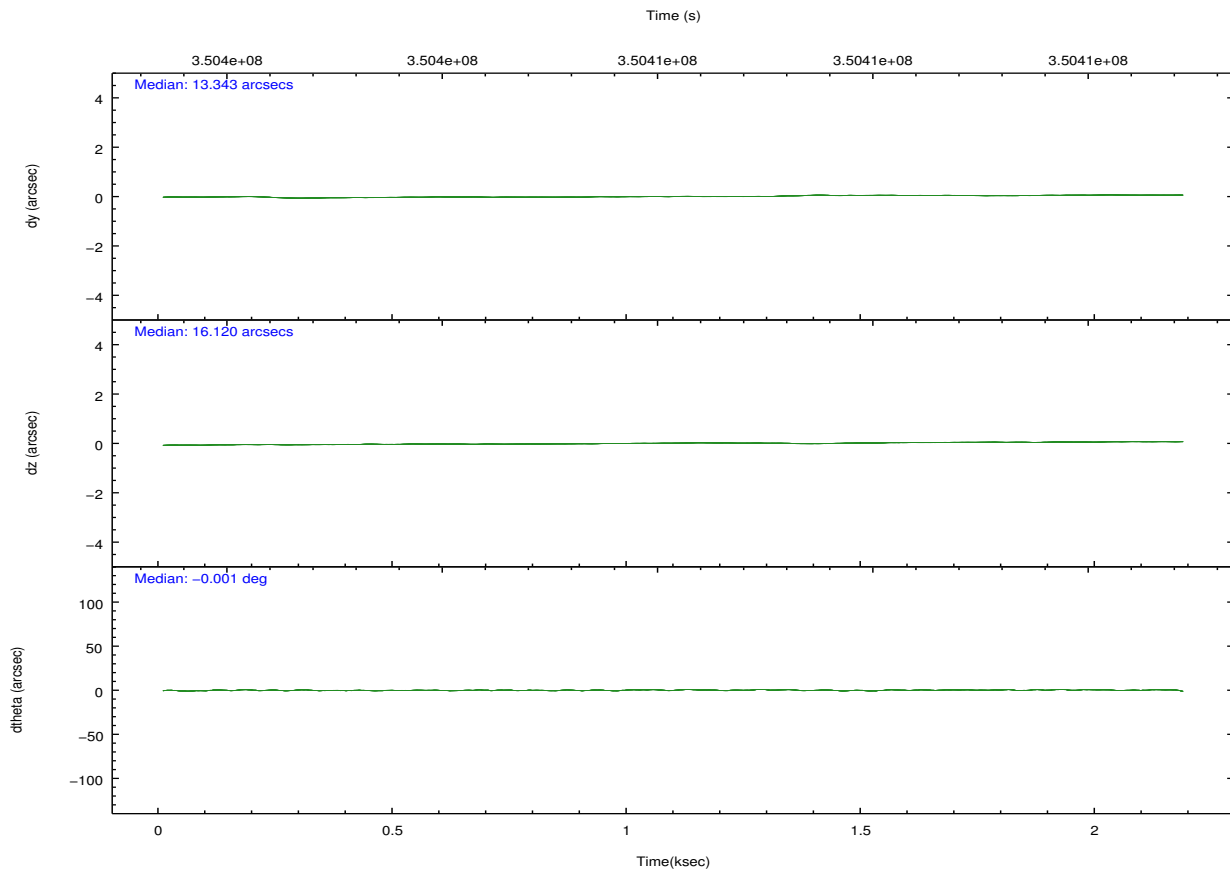
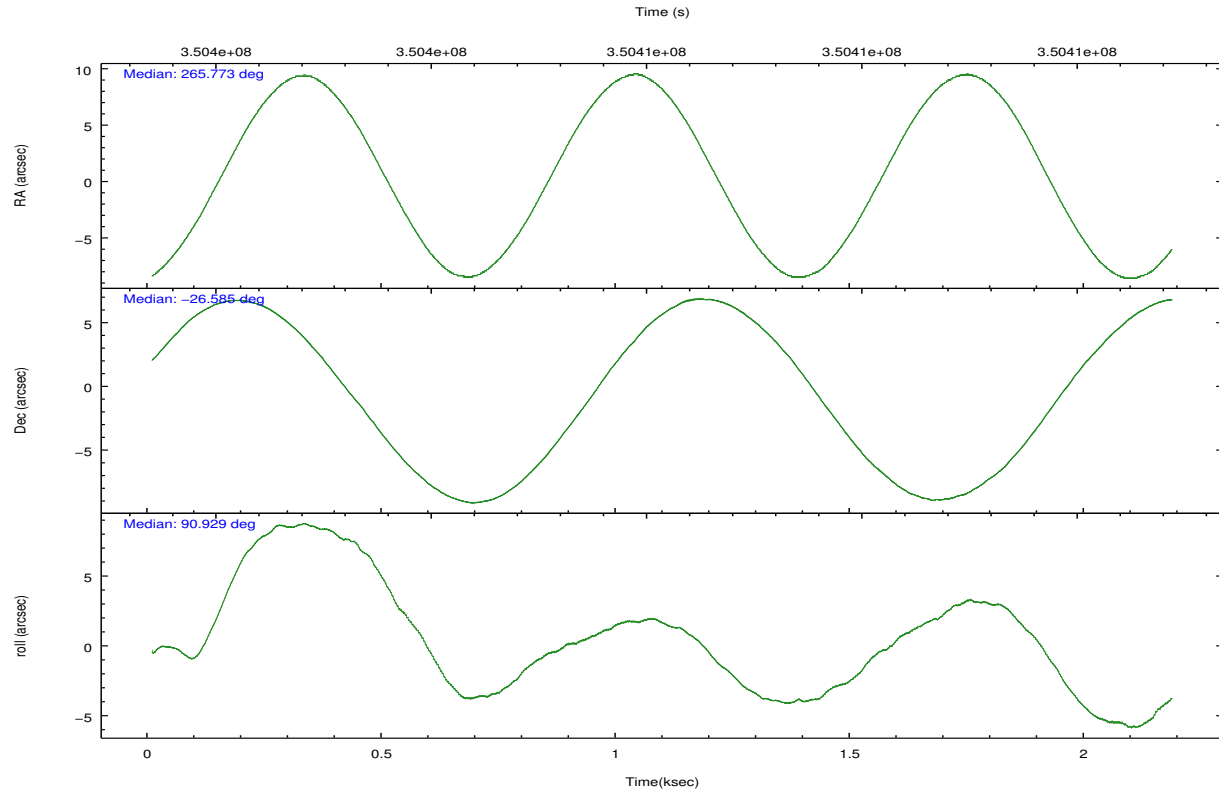
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1570	1504	1621	1559
	6%	6%	6%	6%
grade 1 events	14	15	13	19
	0%	0%	0%	0%
grade 2 events	727	813	712	672
	2%	3%	2%	2%
grade 3 events	308	325	259	336
	1%	1%	1%	1%
grade 4 events	298	316	319	315
	1%	1%	1%	1%
grade 5 events	1142	1193	1010	1268
	4%	4%	3%	5%
grade 6 events	593	684	487	557
	2%	2%	1%	2%
grade 7 events	19762	19866	20936	20482
	80%	80%	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	265.789084	265.7731128256056	Subarray requested	NONE	NONE
[deg] Pointing Dec	-26.608963	-26.58528557442426	Alternating exposures requested	N	N
[deg] Pointing Roll	90.730648	90.9321609869308	[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)	350404638.184000	350404263.04603			
Observation start date	2009-02-07T14:36:12	2009-02-07T14:31:03			
[s] Observation end time (MET)	350406638.184000	350406772.75866			
Observation end date	2009-02-07T15:09:32	2009-02-07T15:12:52			
Read mode	TIMED	TIMED			

2.3 Aspect



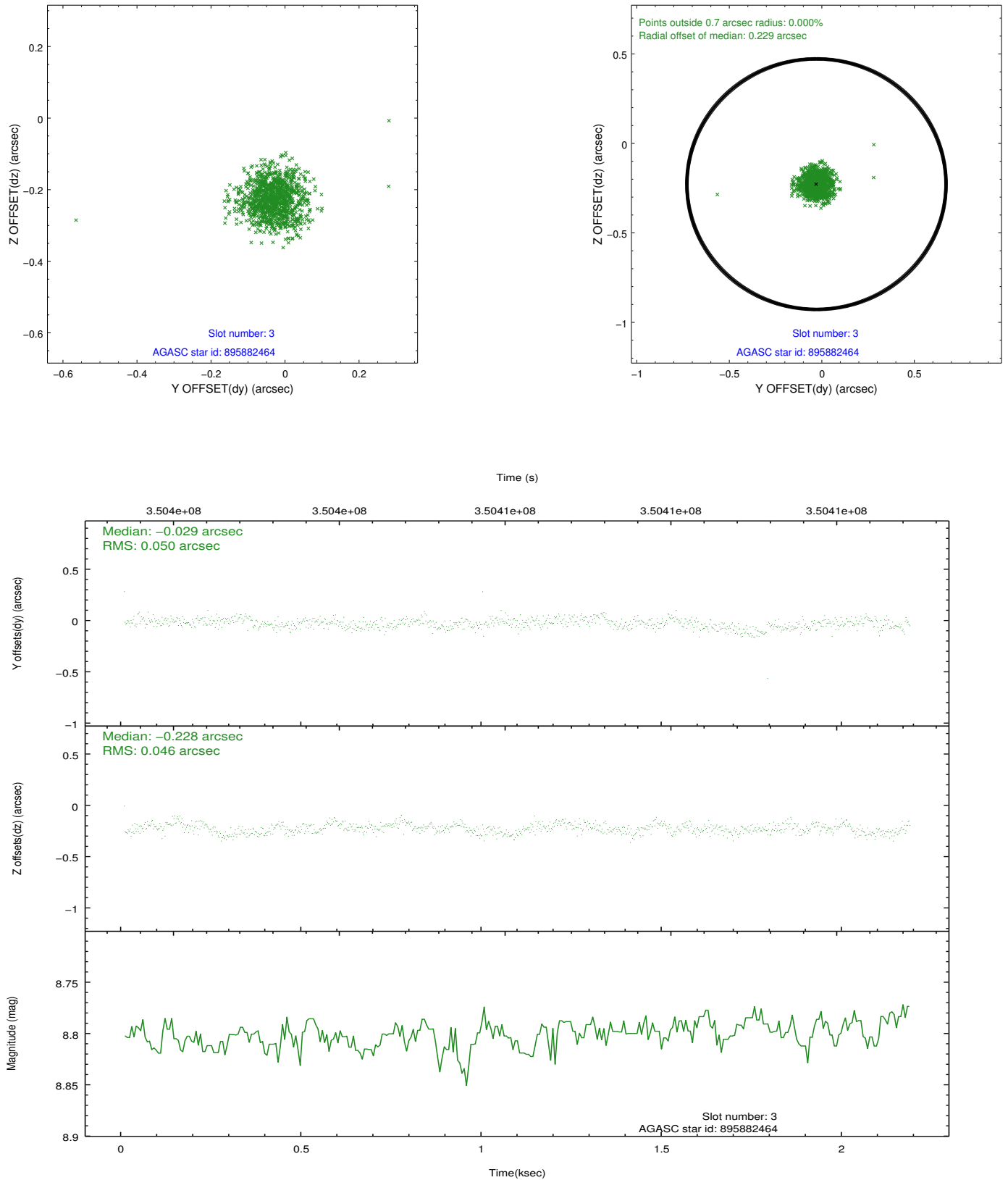


Slot Statistics

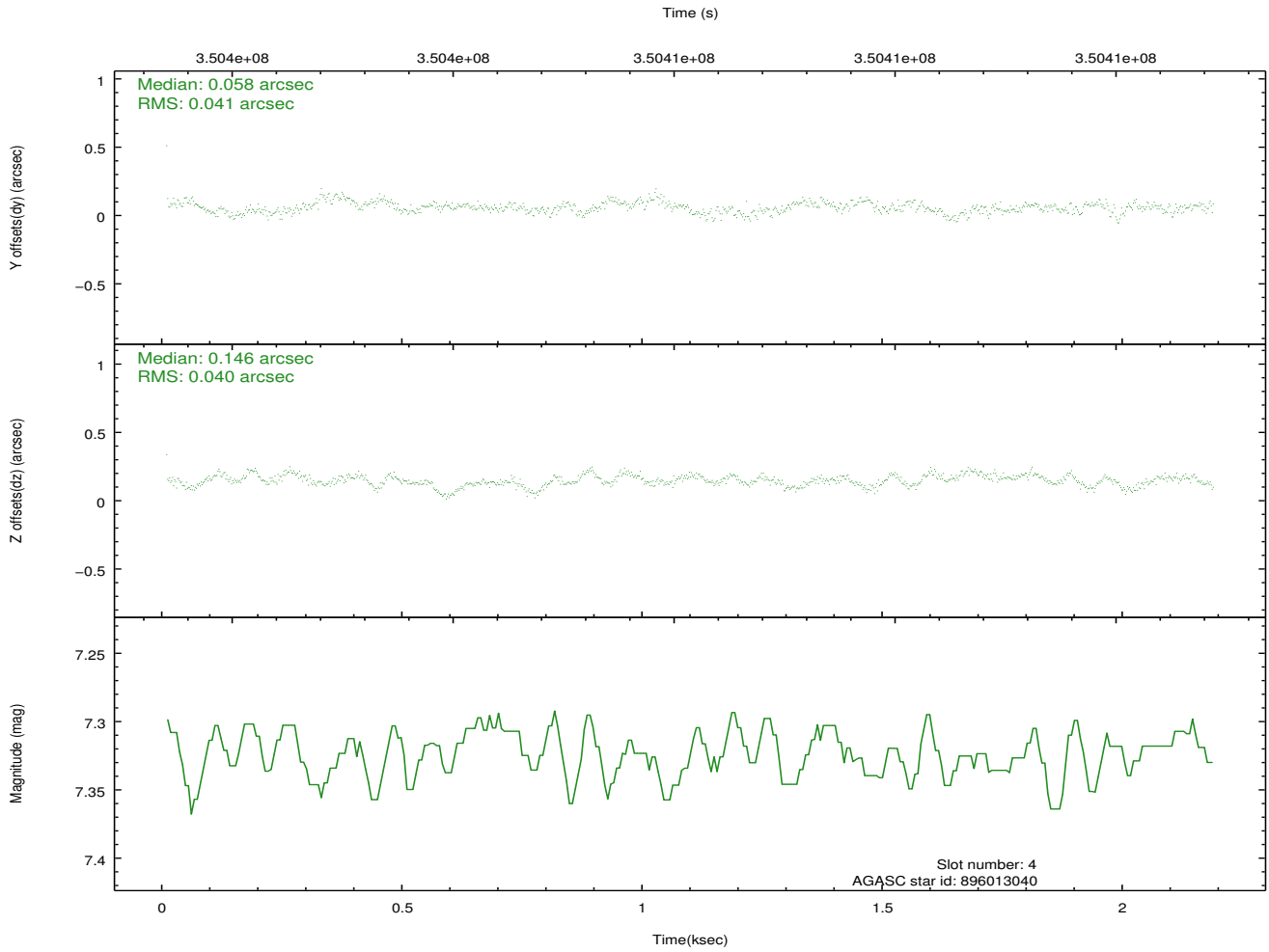
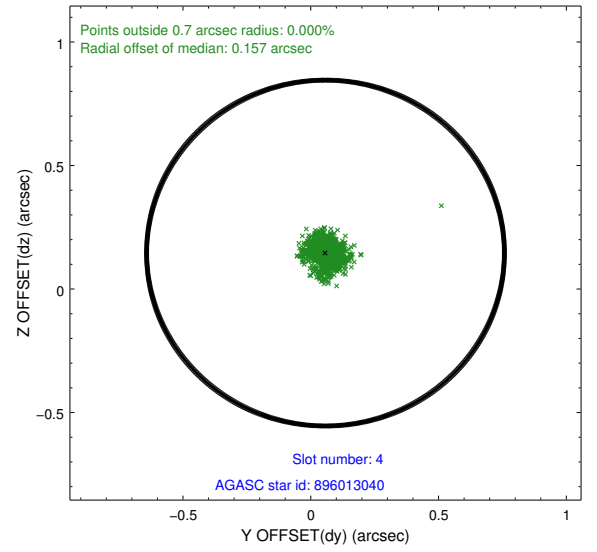
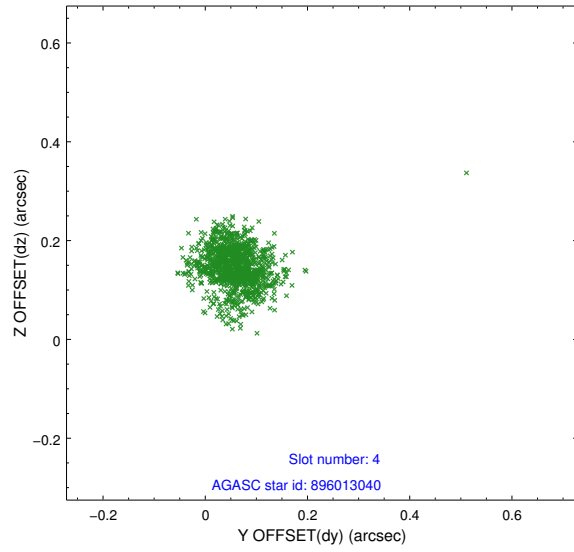
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.04	532	0.043	-0.018	0.006	0.011	0.000000	0.000000	926.18	-839.78
1	FID	ACIS-I-5	7.04	532	-0.181	0.055	0.005	0.010	0.000000	0.000000	-1820.47	1056.32
2	FID	ACIS-I-6	7.03	532	0.047	0.033	0.006	0.011	0.000000	0.000000	388.51	1704.16
3	GUIDE	895882464	8.80	1064	-0.029	-0.228	0.070	0.114	265.568948	-26.820420	-753.10	716.69
4	GUIDE	896013040	7.32	1064	0.058	0.146	0.060	0.097	266.506589	-26.972299	-1344.55	-2284.34
5	GUIDE	896014680	8.74	1064	0.133	0.124	0.077	0.124	266.460330	-27.216583	-2221.66	-2123.01
6	GUIDE	896015880	8.50	1063	-0.332	-0.012	0.078	0.127	265.986633	-26.306686	1076.86	-653.23
7	GUIDE	896013720	9.52	1061	0.169	-0.028	0.104	0.173	265.847626	-27.261422	-2350.12	-158.10

2.4 Star Slots

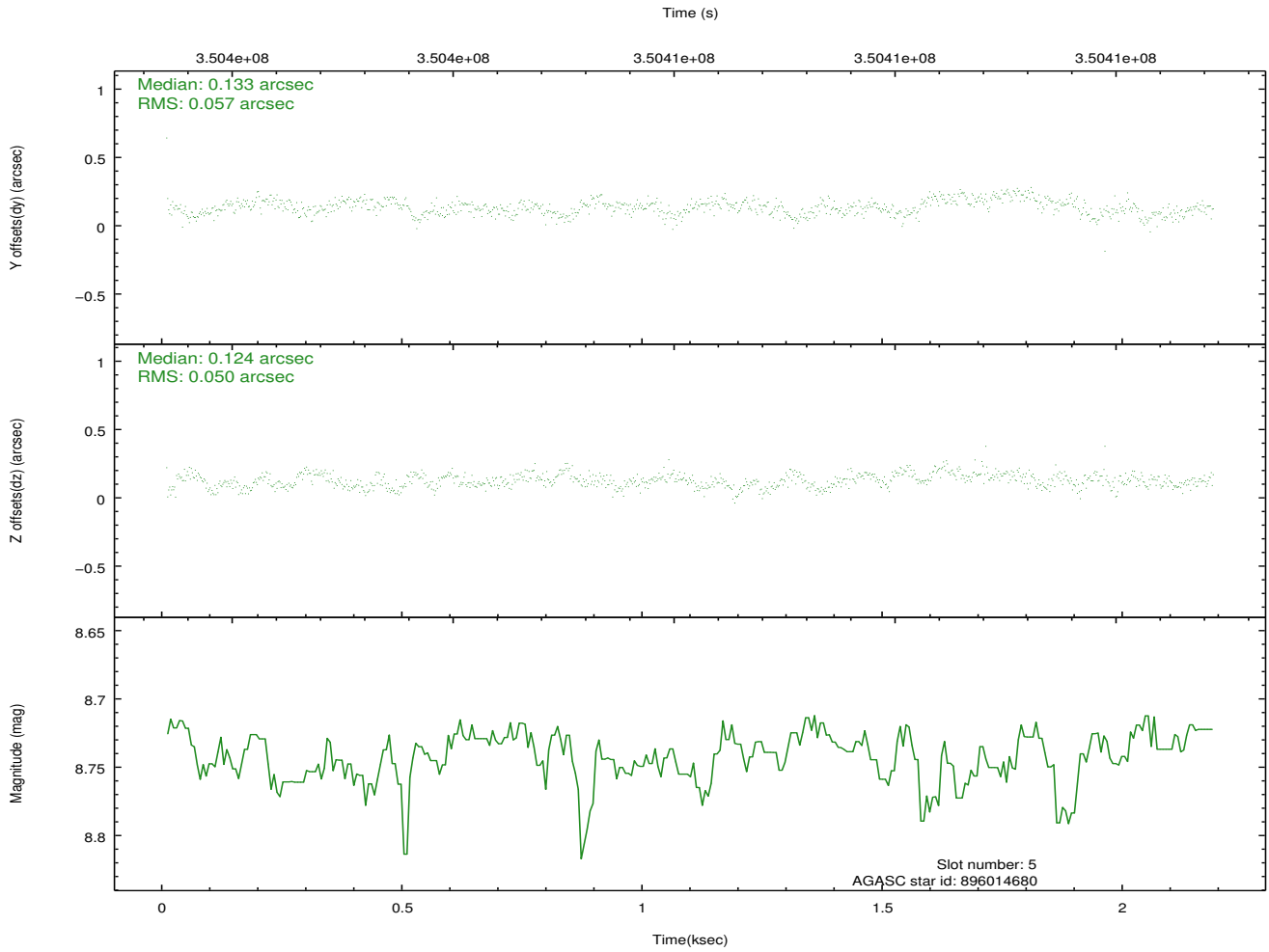
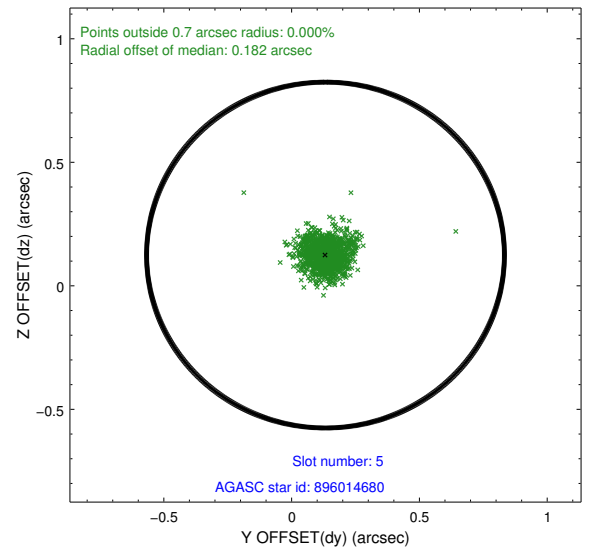
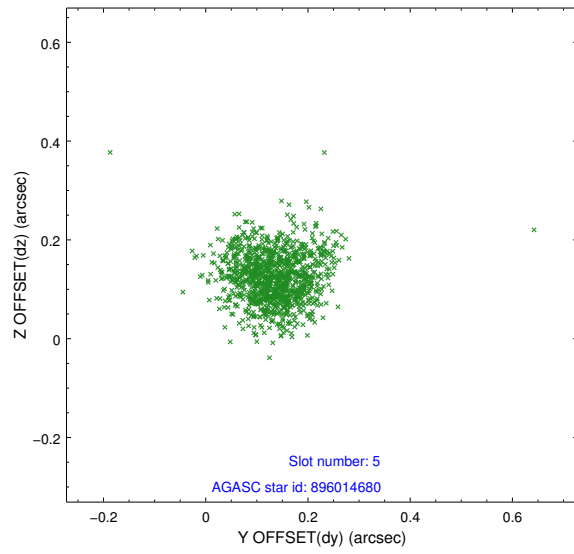
2.4.1 Slot 3



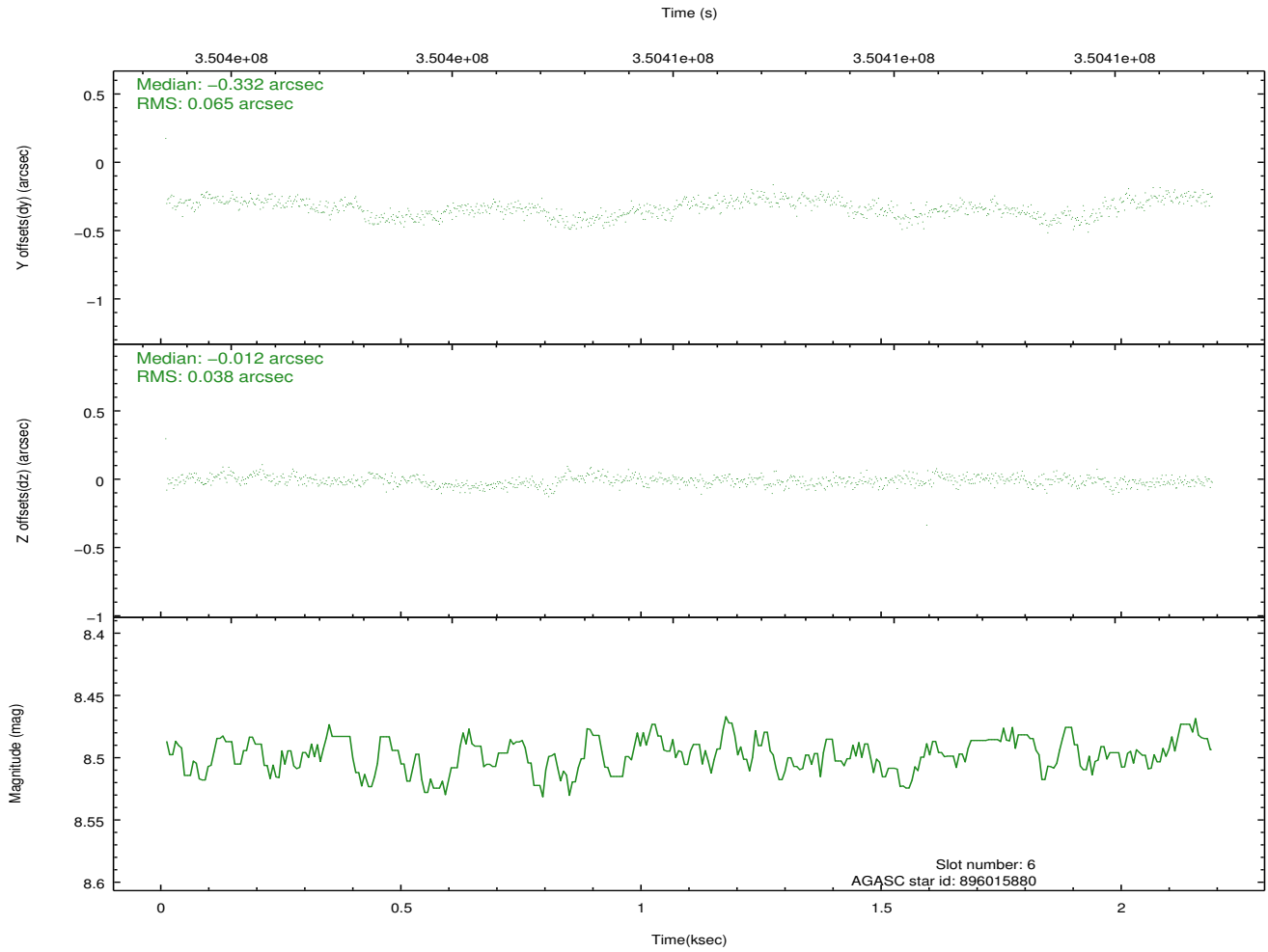
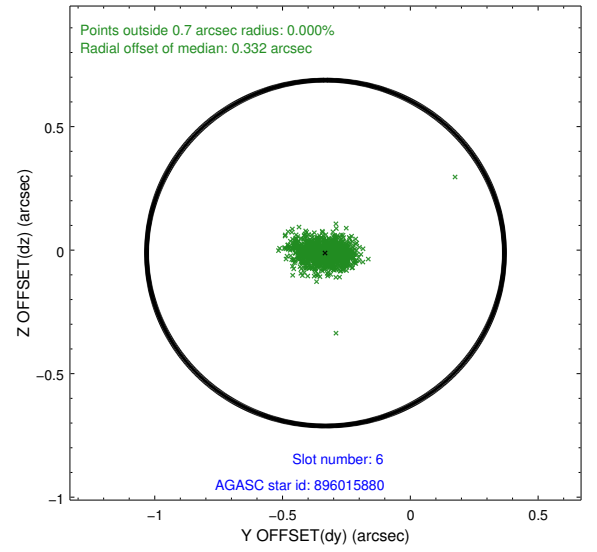
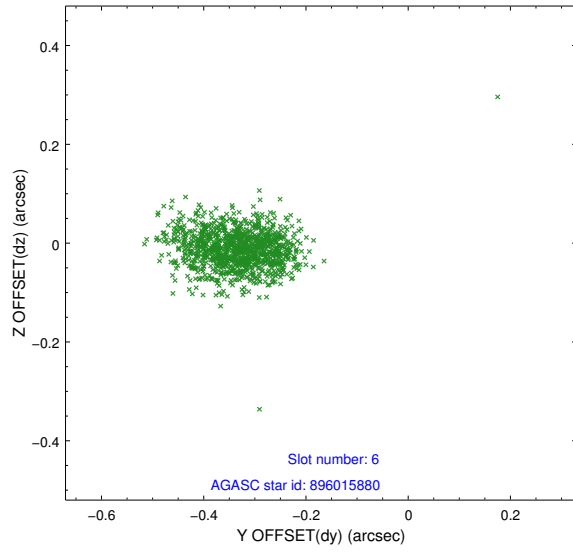
2.4.2 Slot 4



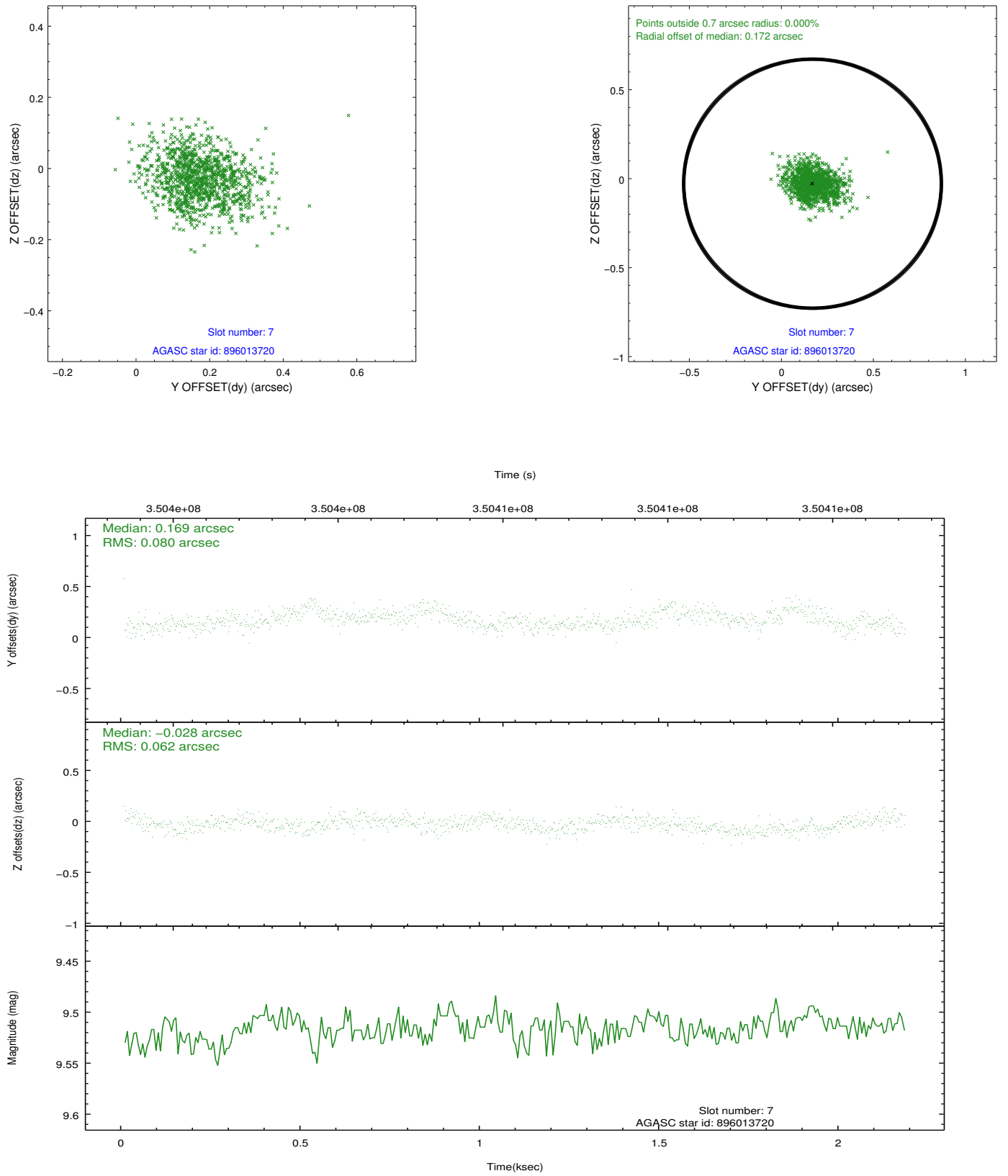
2.4.3 Slot 5



2.4.4 Slot 6

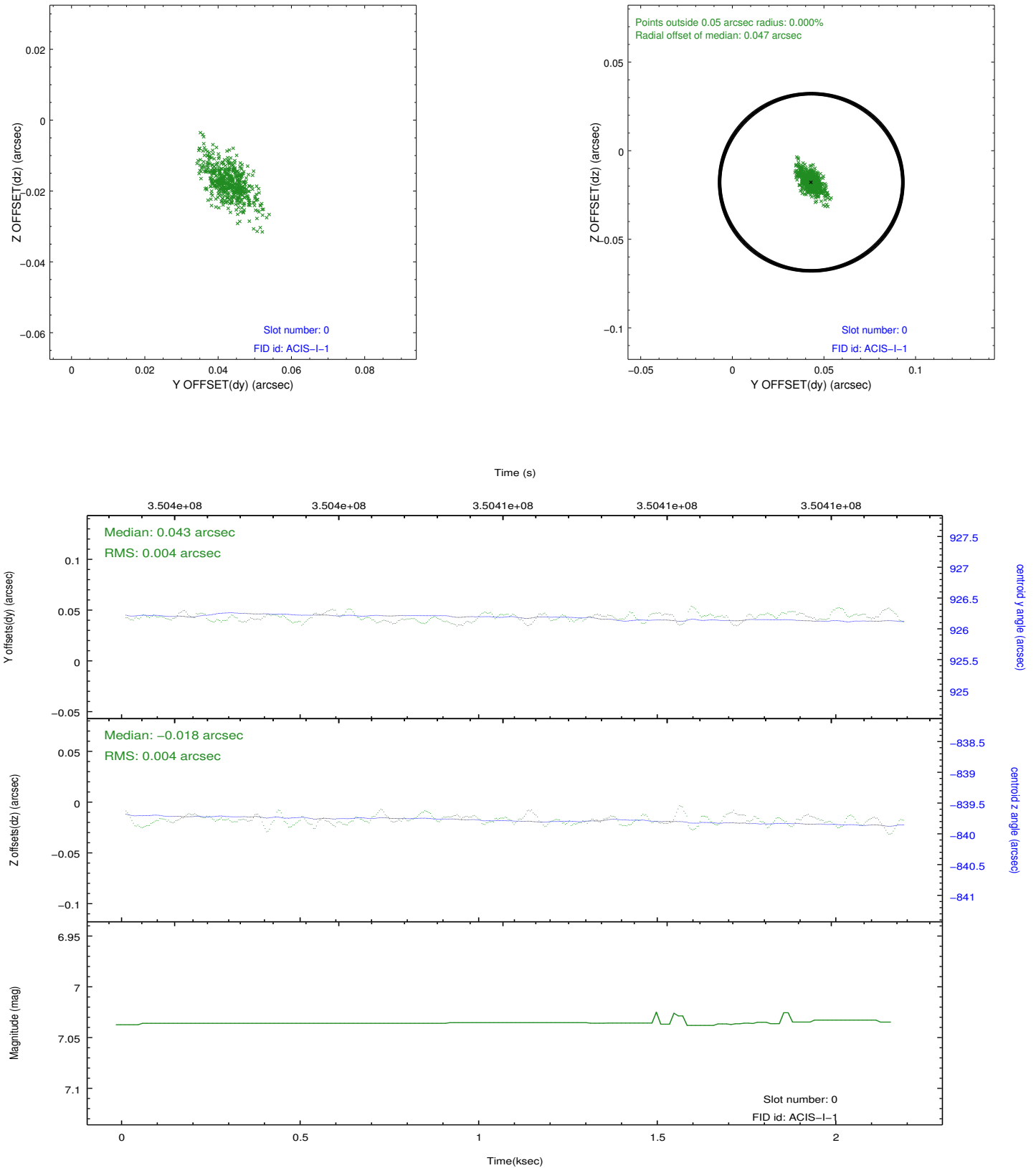


2.4.5 Slot 7

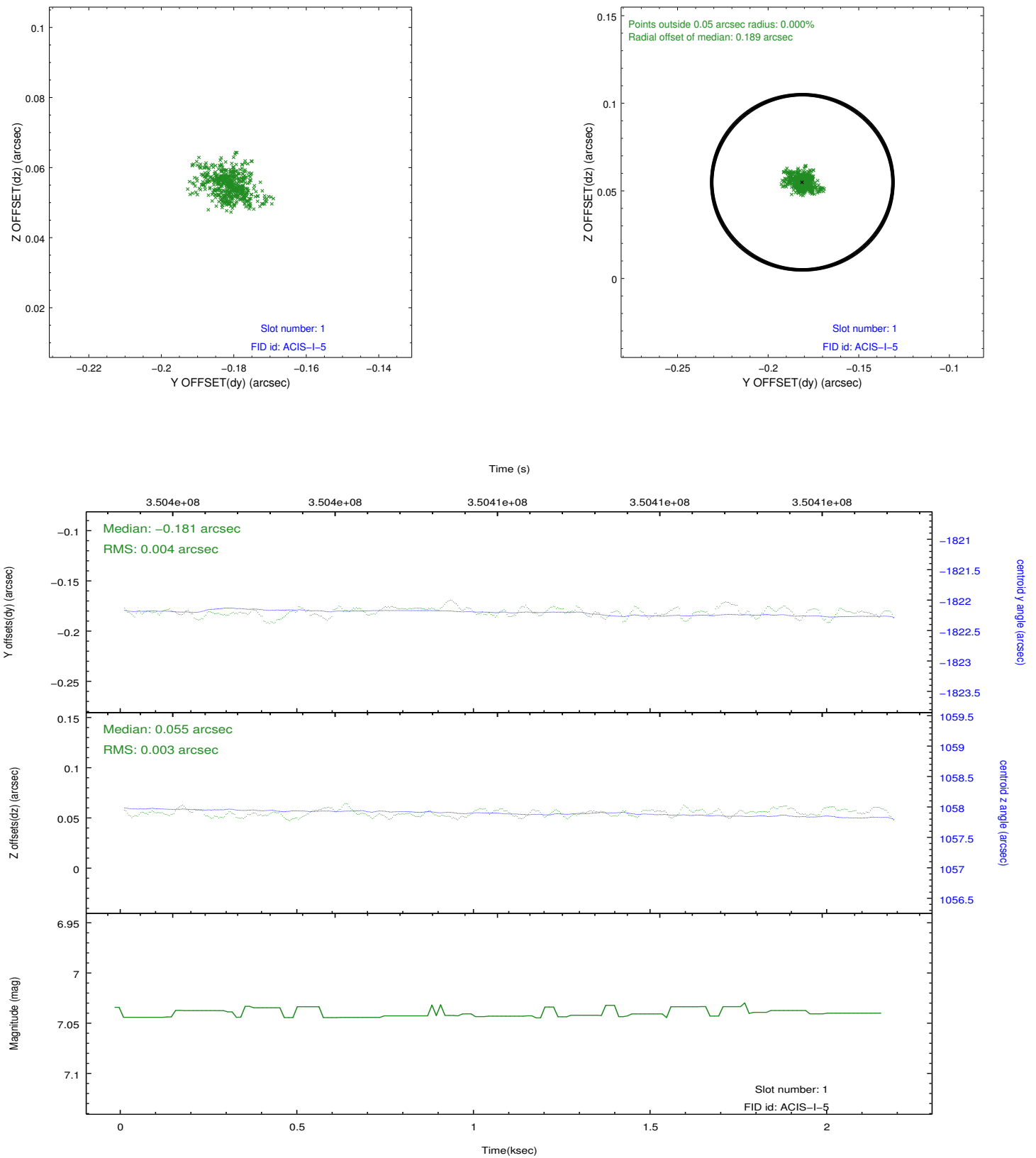


2.5 FID Slots

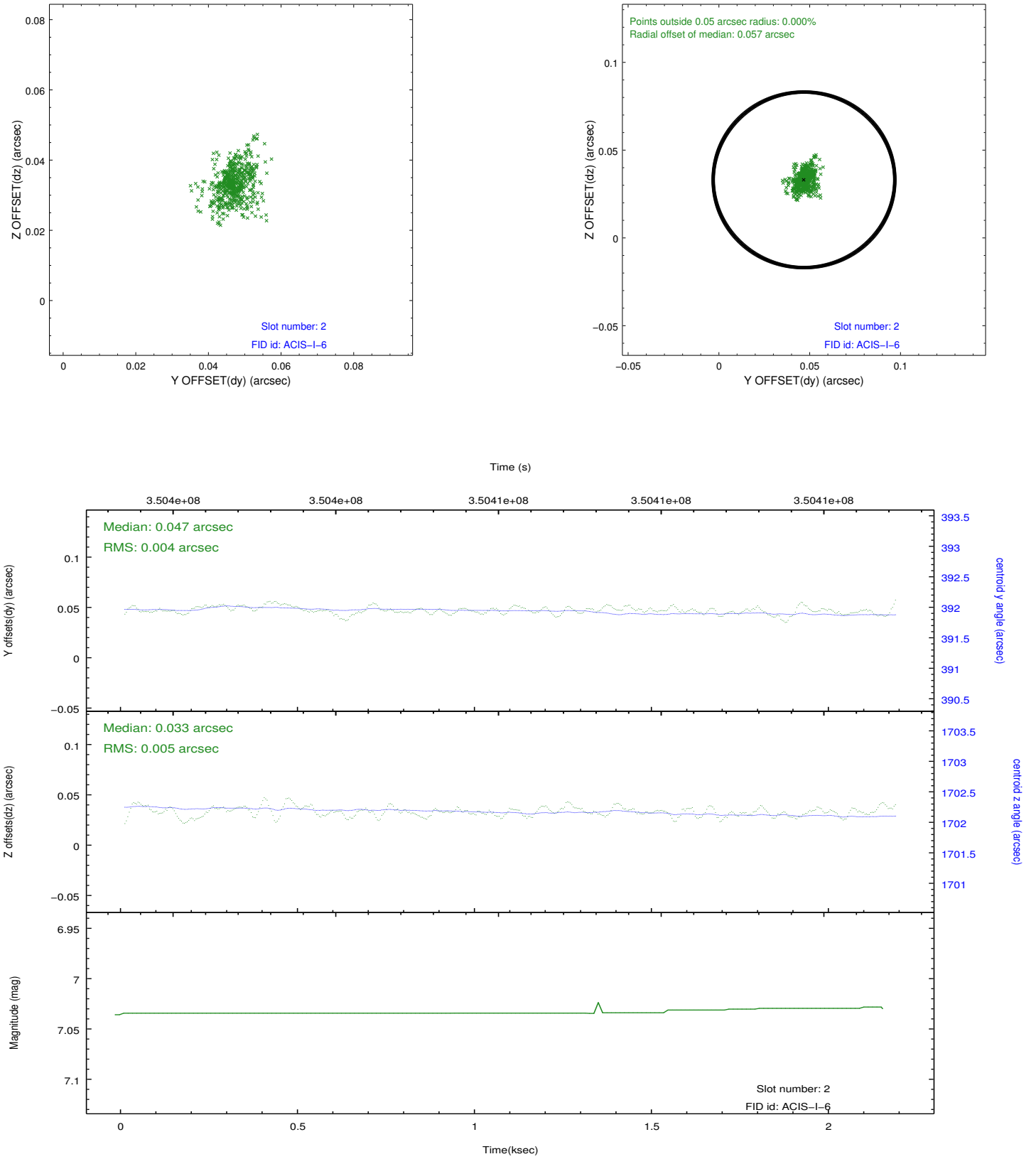
2.5.1 Slot 0



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