

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10009 - L2 Version 2
Chandra X-Ray Center

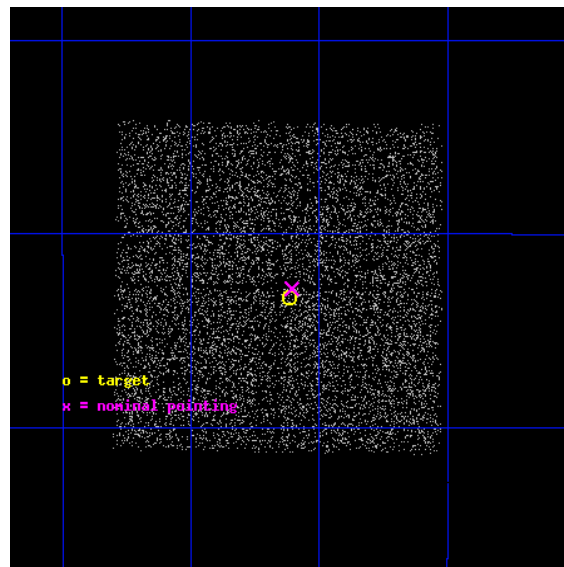
L2 Processing Date : Jun 1 2012

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

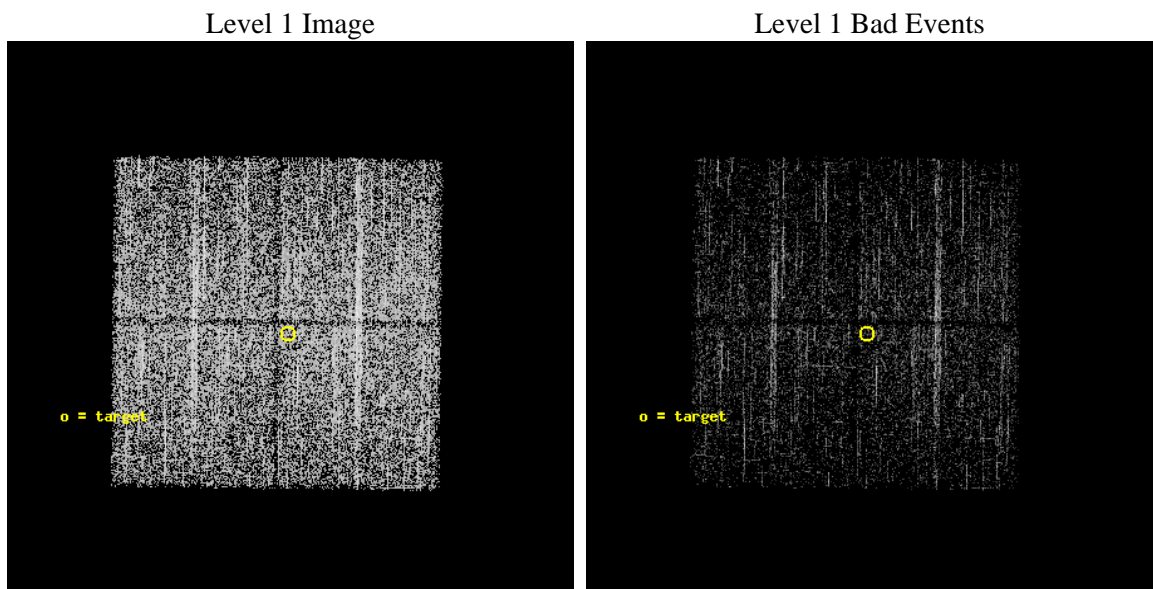
seq_num	400973	Sequence number
obs_id	10009	Observation id
title	Completing the Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS5-10	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	265.6545	Observer's specified target RA [deg]
dec_targ	-26.388556	Observer's specified target Dec [deg]
ra_nom	265.65175727904	Nominal RA [deg]
dec_nom	-26.380675241604	Nominal Dec [deg]
roll_nom	90.703471128739	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	10336	Number of level 2 events



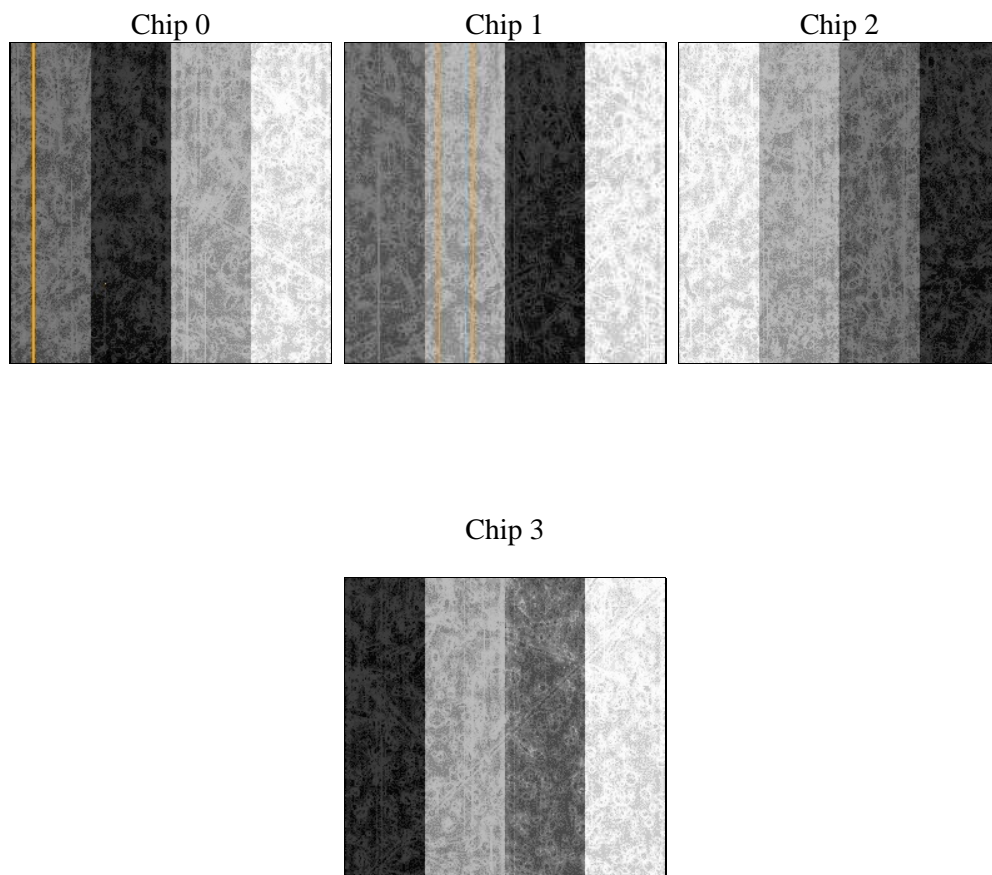
2 OBI

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	2012-06-01T06:52:57	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	100187	Number of level 1 events

2.1.4 Events

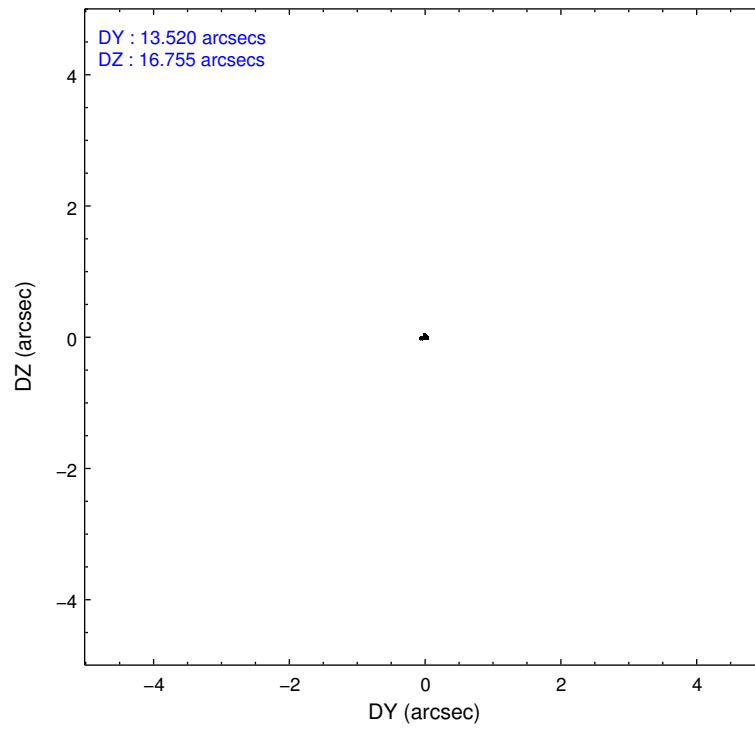
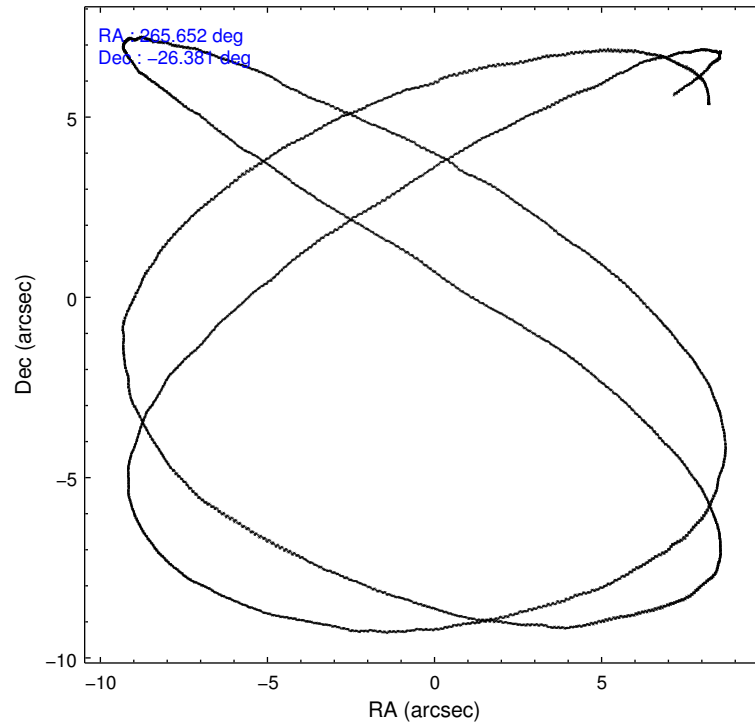
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	23790	24621	26158	25618
rejected events	20744	21510	23238	22617
rejected %	87%	87%	88%	88%

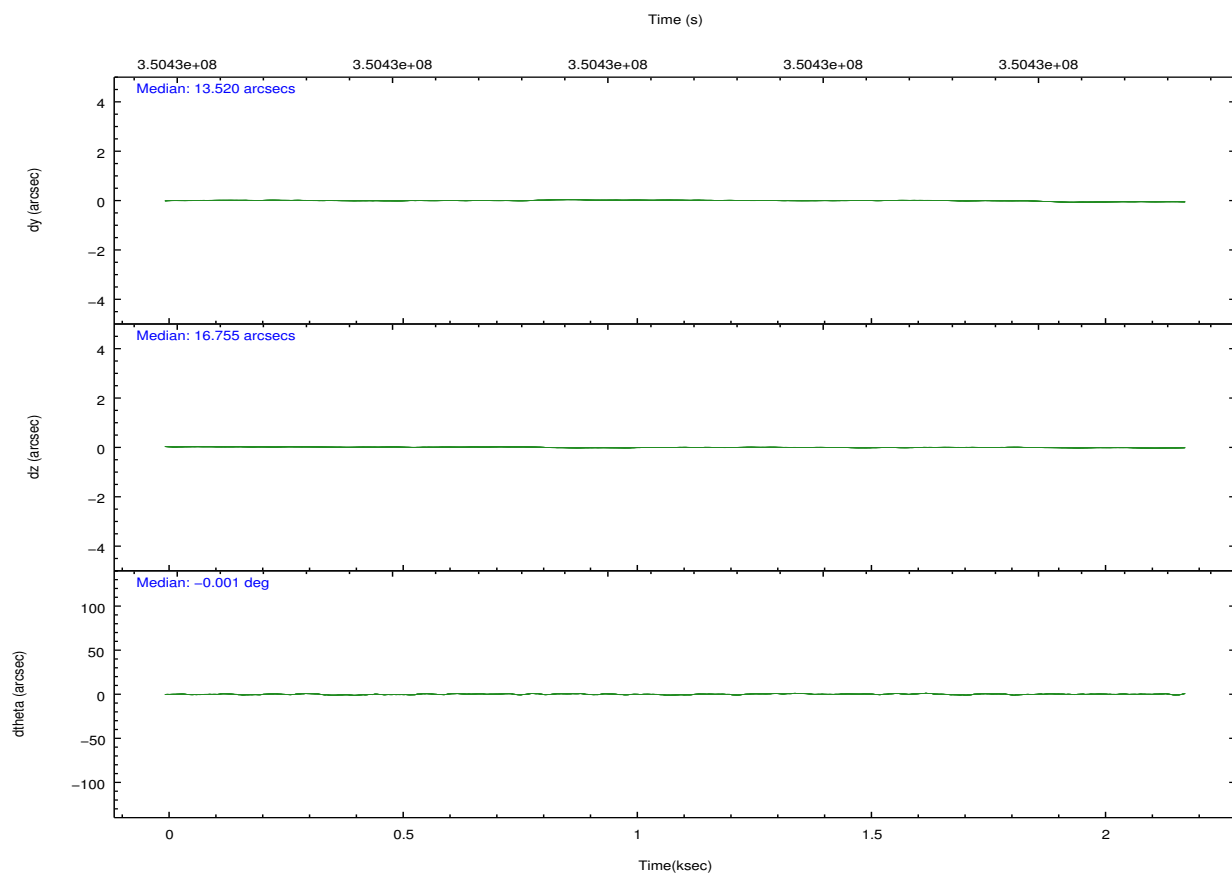
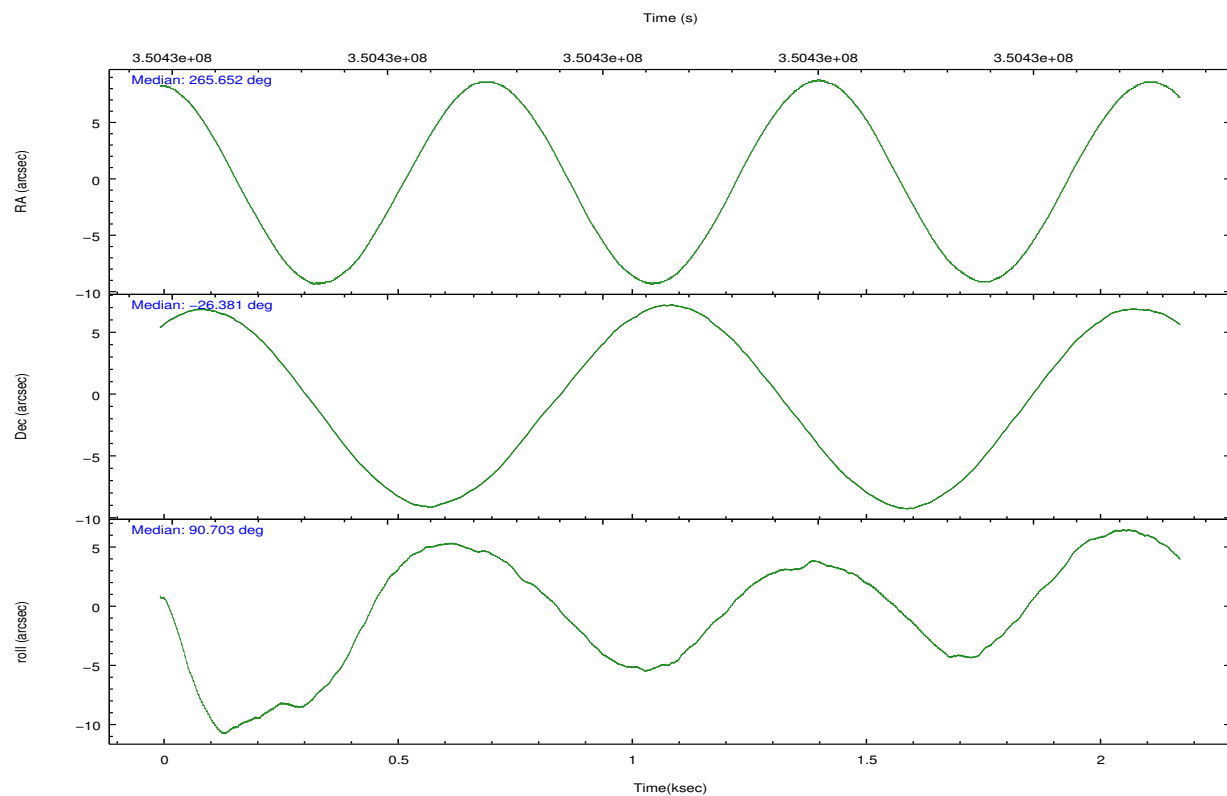
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1525	1438	1555	1582
	6%	5%	5%	6%
grade 1 events	24	21	15	19
	0%	0%	0%	0%
grade 2 events	781	865	705	630
	3%	3%	2%	2%
grade 3 events	318	355	260	300
	1%	1%	0%	1%
grade 4 events	281	302	319	325
	1%	1%	1%	1%
grade 5 events	1102	1277	1091	1273
	4%	5%	4%	4%
grade 6 events	574	642	507	562
	2%	2%	1%	2%
grade 7 events	19185	19721	21706	20927
	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	265.667497	265.6517572790393	Subarray requested	NONE	NONE
[deg] Pointing Dec	-26.404454	-26.38067524160432	Alternating exposures requested	N	N
[deg] Pointing Roll	90.501810	90.70347112873942	[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)	350429738.184000	350429362.73478			
Observation start date	2009-02-07T21:34:32	2009-02-07T21:29:22			
[s] Observation end time (MET)	350431738.184000	350431872.4474			
Observation end date	2009-02-07T22:07:52	2009-02-07T22:11:12			
Read mode	TIMED	TIMED			

2.3 Aspect



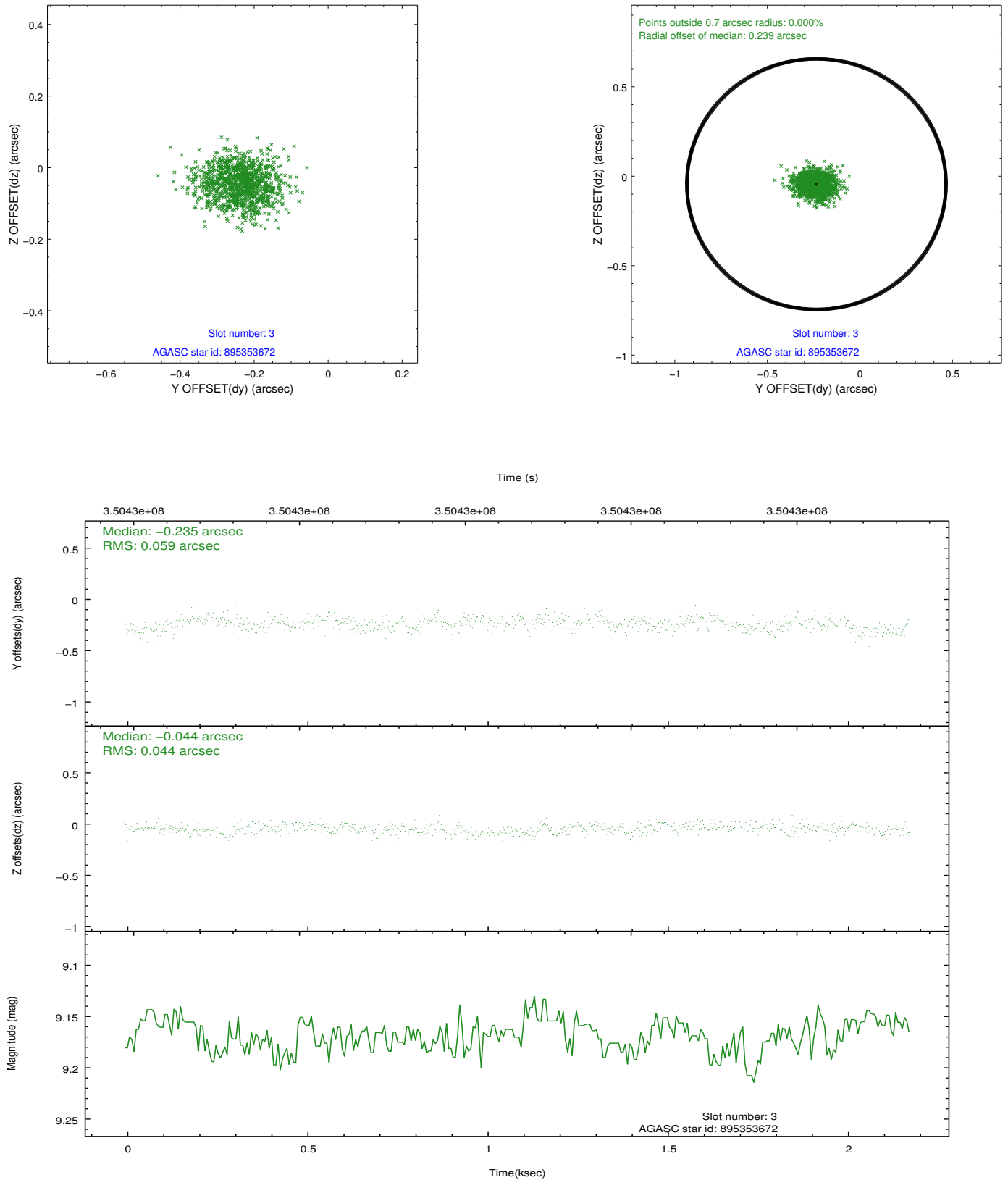


Slot Statistics

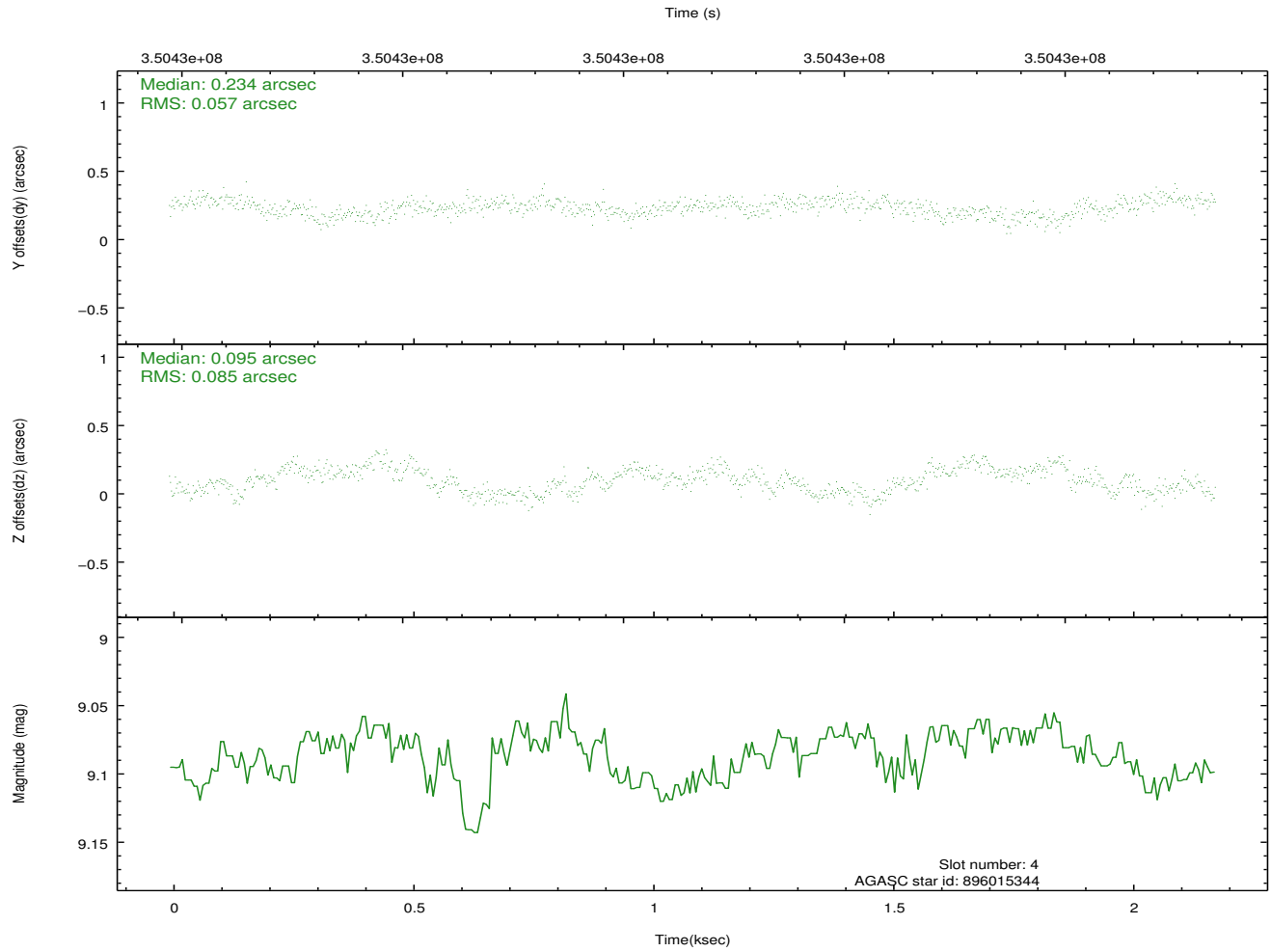
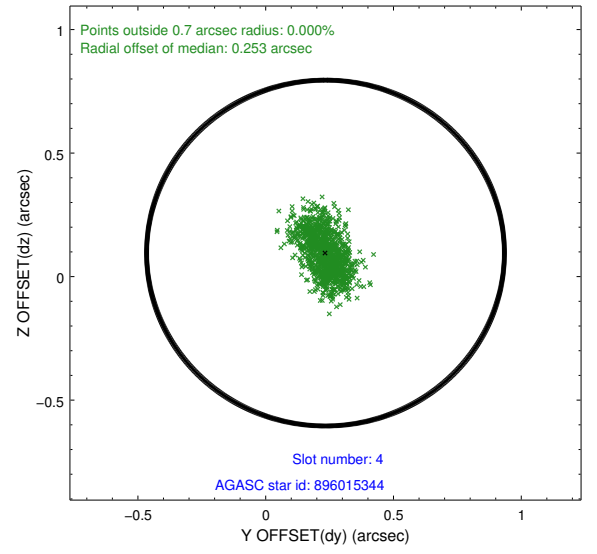
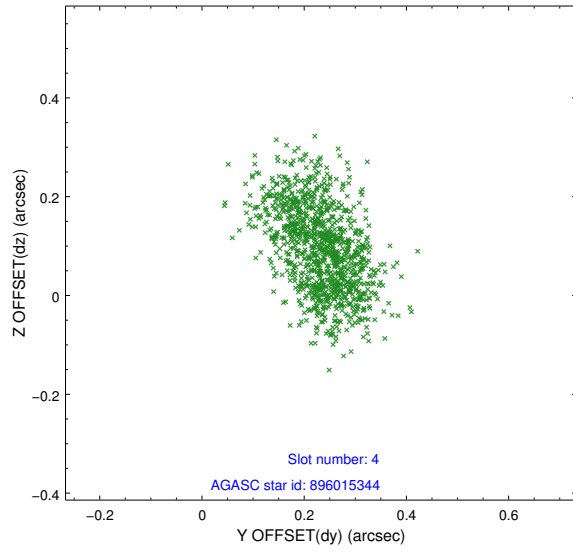
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.02	532	0.054	-0.017	0.006	0.010	0.000000	0.000000	926.02	-840.44
1	FID	ACIS-I-5	7.02	532	-0.184	0.067	0.006	0.009	0.000000	0.000000	-1820.64	1055.69
2	FID	ACIS-I-6	7.01	532	0.038	0.020	0.006	0.010	0.000000	0.000000	388.34	1703.49
3	GUIDE	895353672	9.17	1059	-0.235	-0.044	0.078	0.129	265.503544	-25.854566	1982.94	514.26
4	GUIDE	896015344	9.09	1063	0.234	0.095	0.110	0.176	265.913290	-26.611586	-751.66	-783.63
5	GUIDE	896015880	8.51	1064	-0.264	0.111	0.069	0.109	265.986633	-26.306686	340.27	-1033.21
6	GUIDE	895882464	8.80	1064	0.118	-0.064	0.074	0.118	265.568948	-26.820420	-1494.76	329.03
7	GUIDE	895880248	9.98	1058	0.145	-0.093	0.157	0.250	265.350189	-26.965231	-2012.97	1036.51

2.4 Star Slots

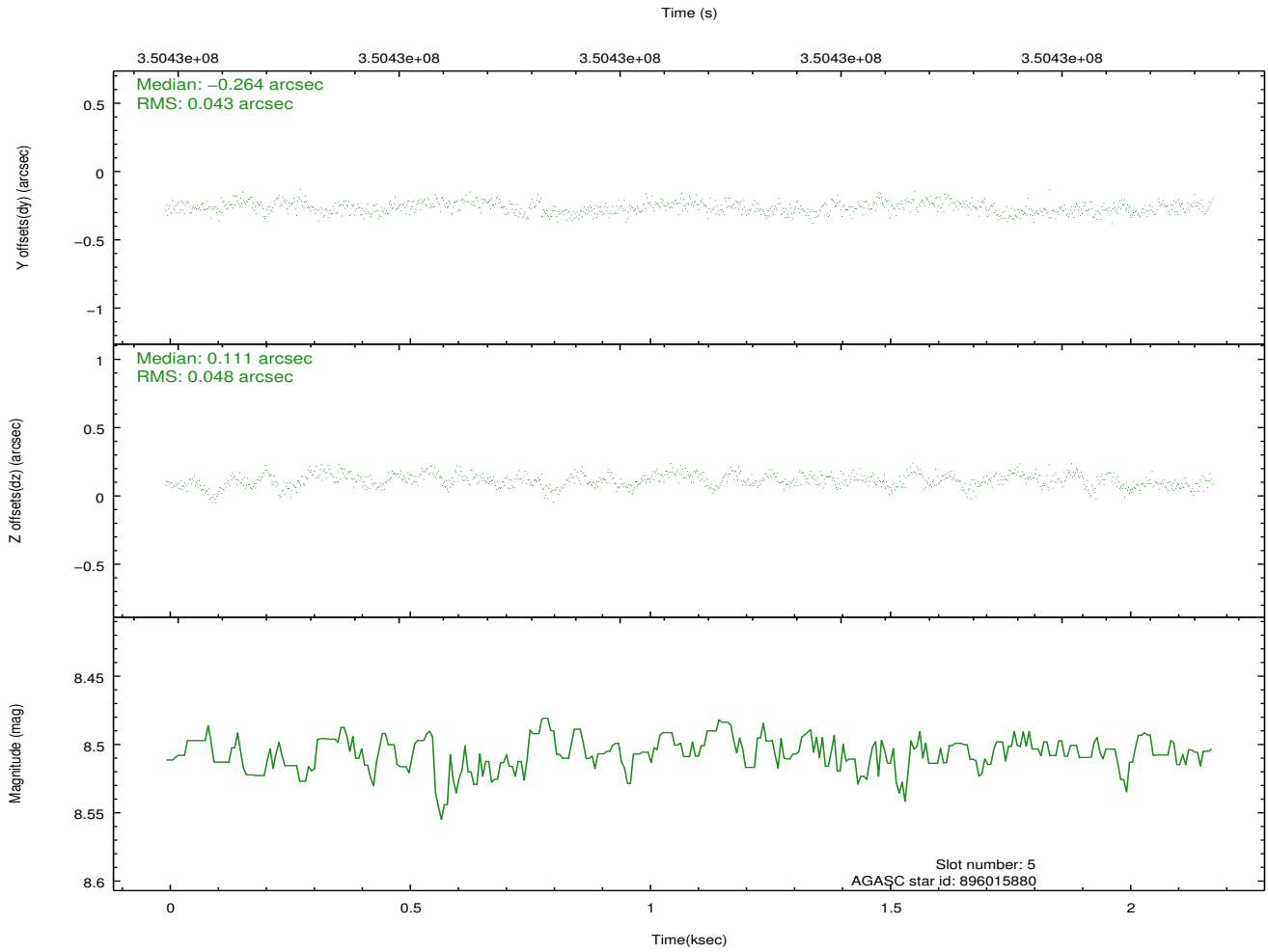
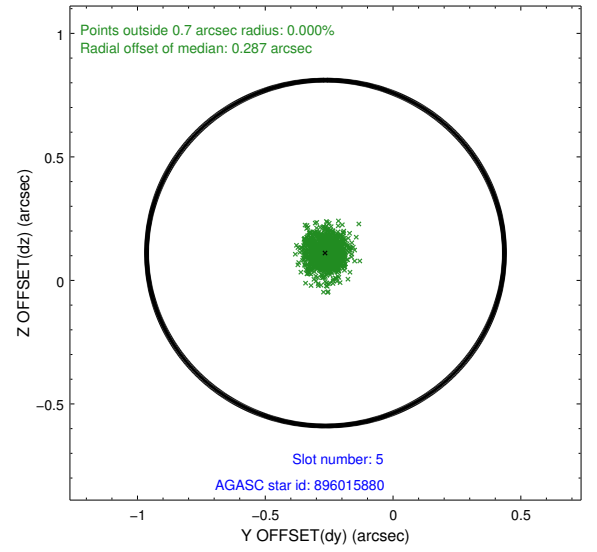
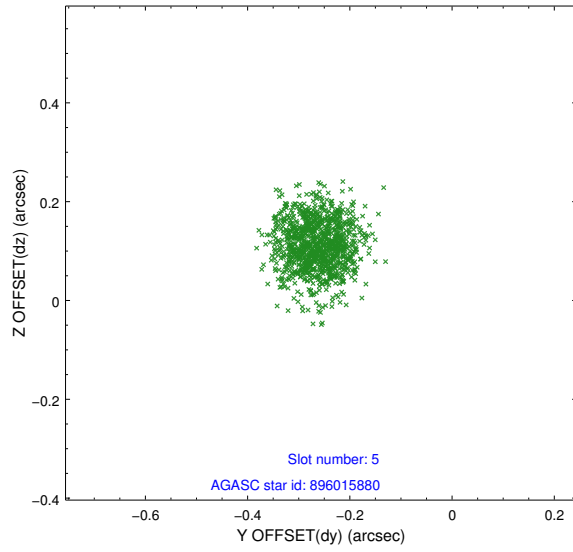
2.4.1 Slot 3



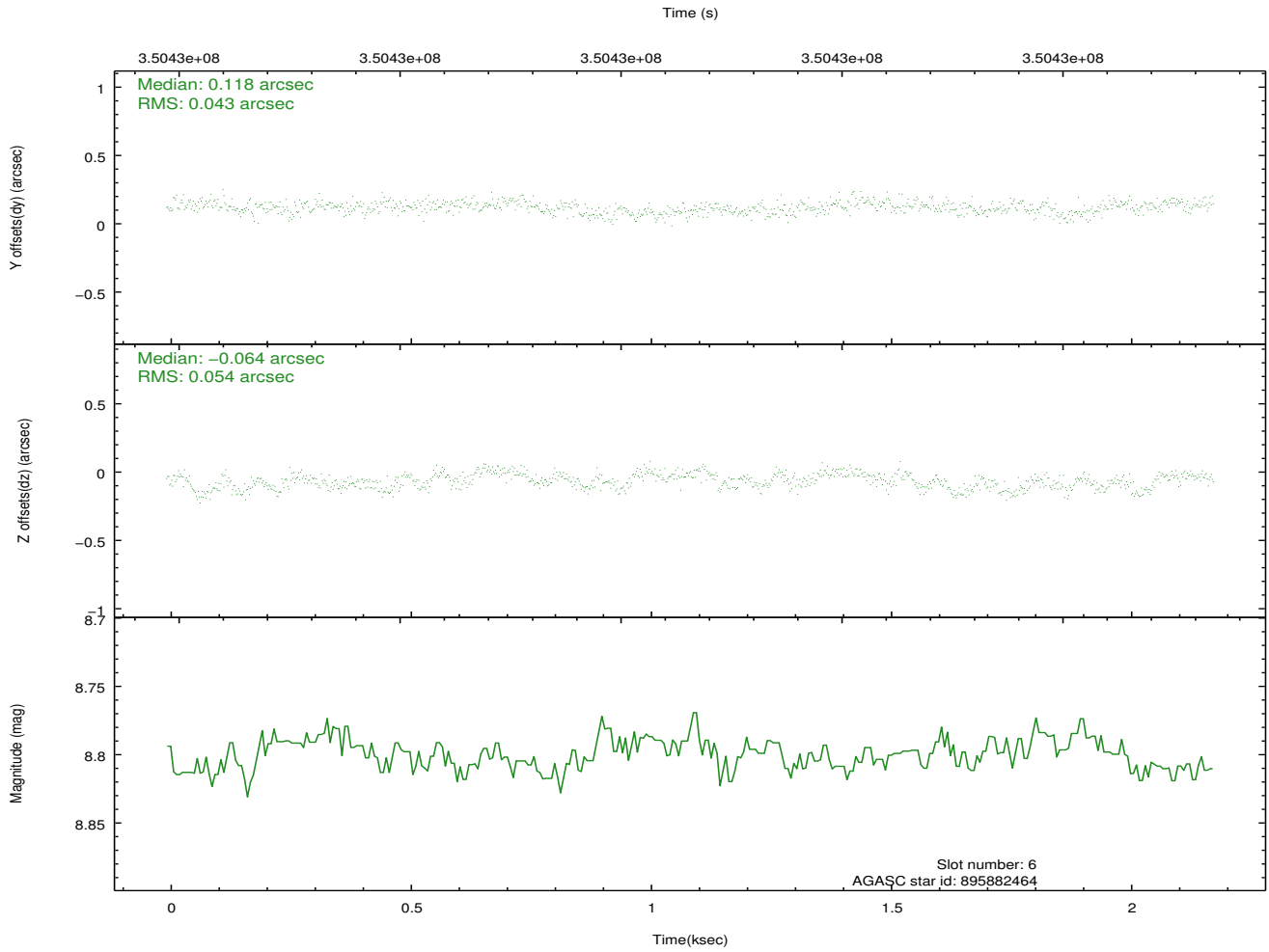
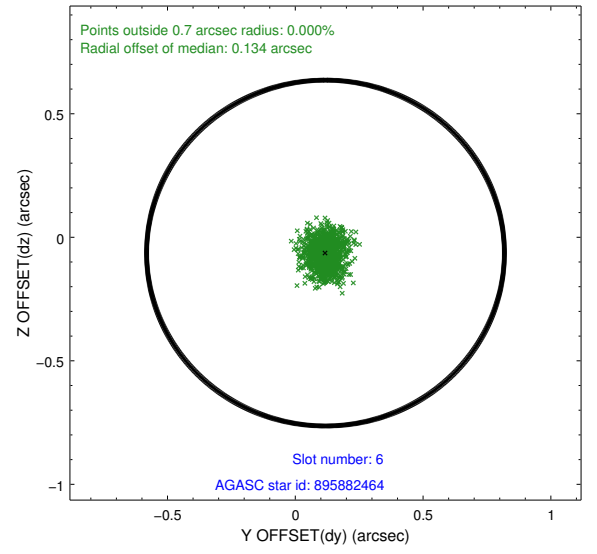
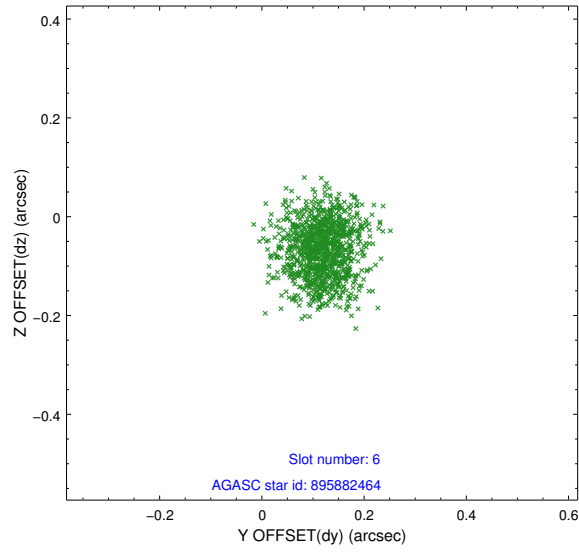
2.4.2 Slot 4



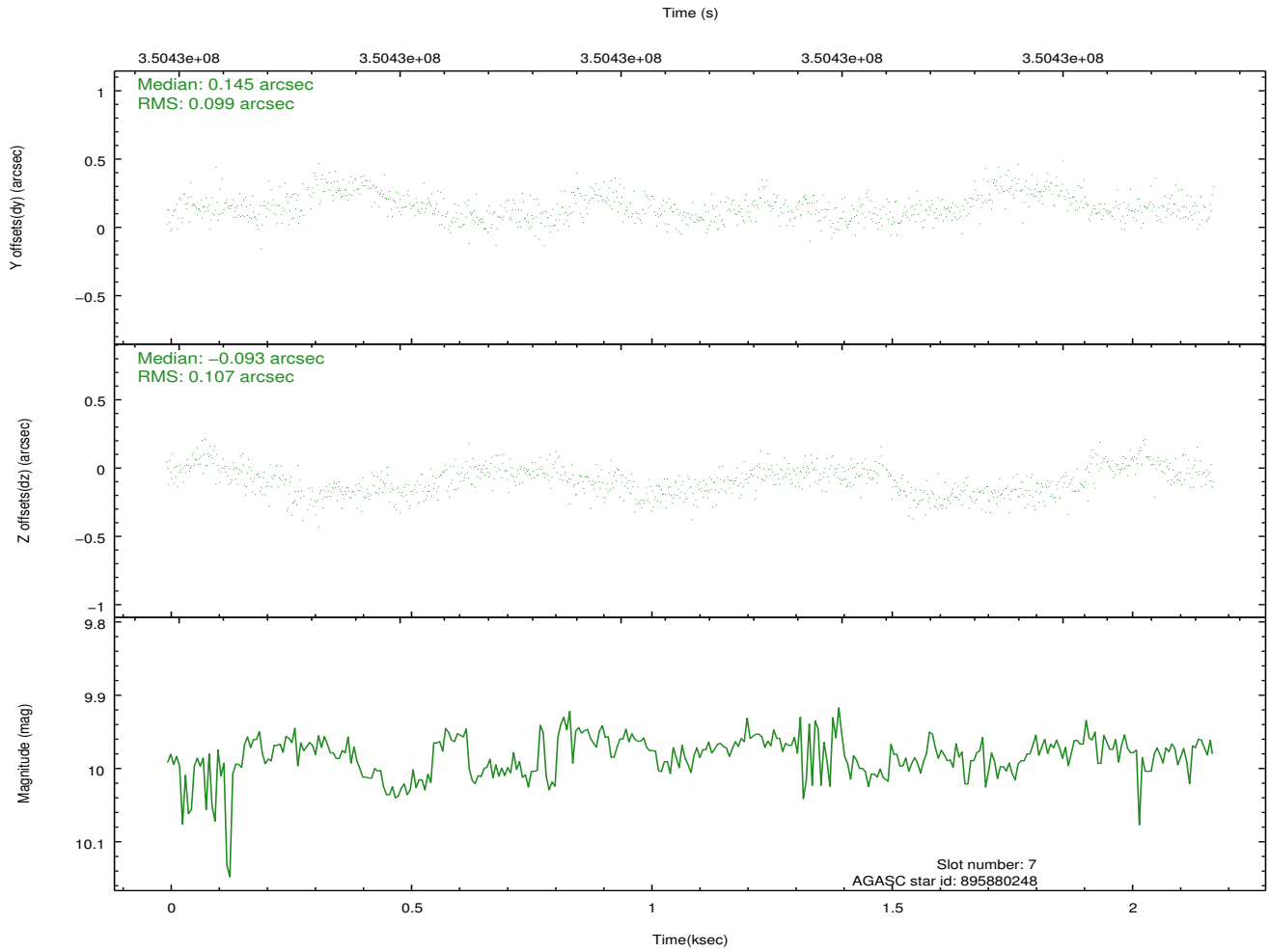
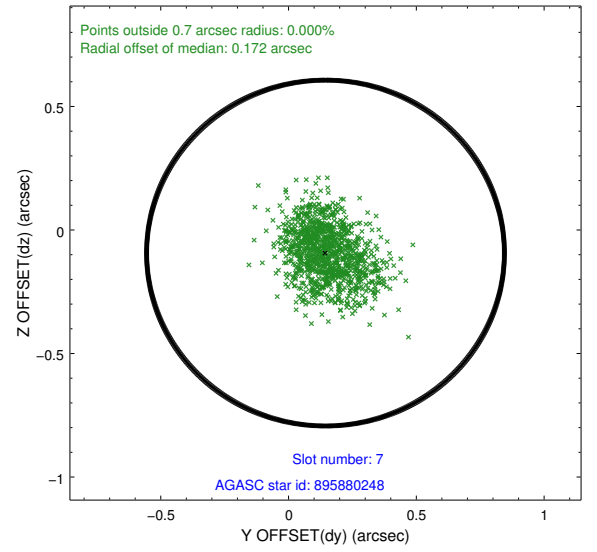
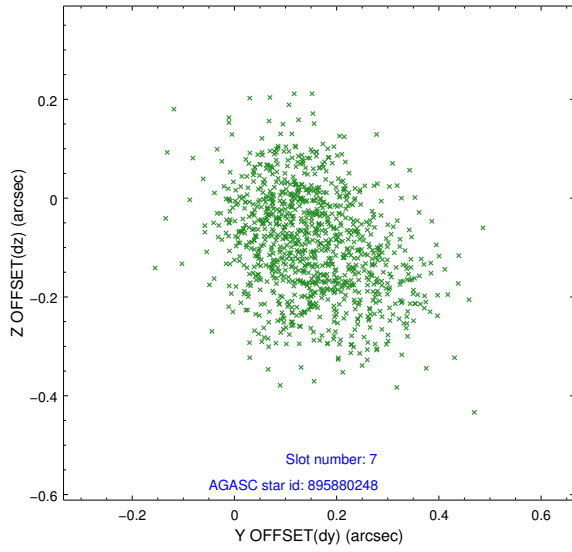
2.4.3 Slot 5



2.4.4 Slot 6

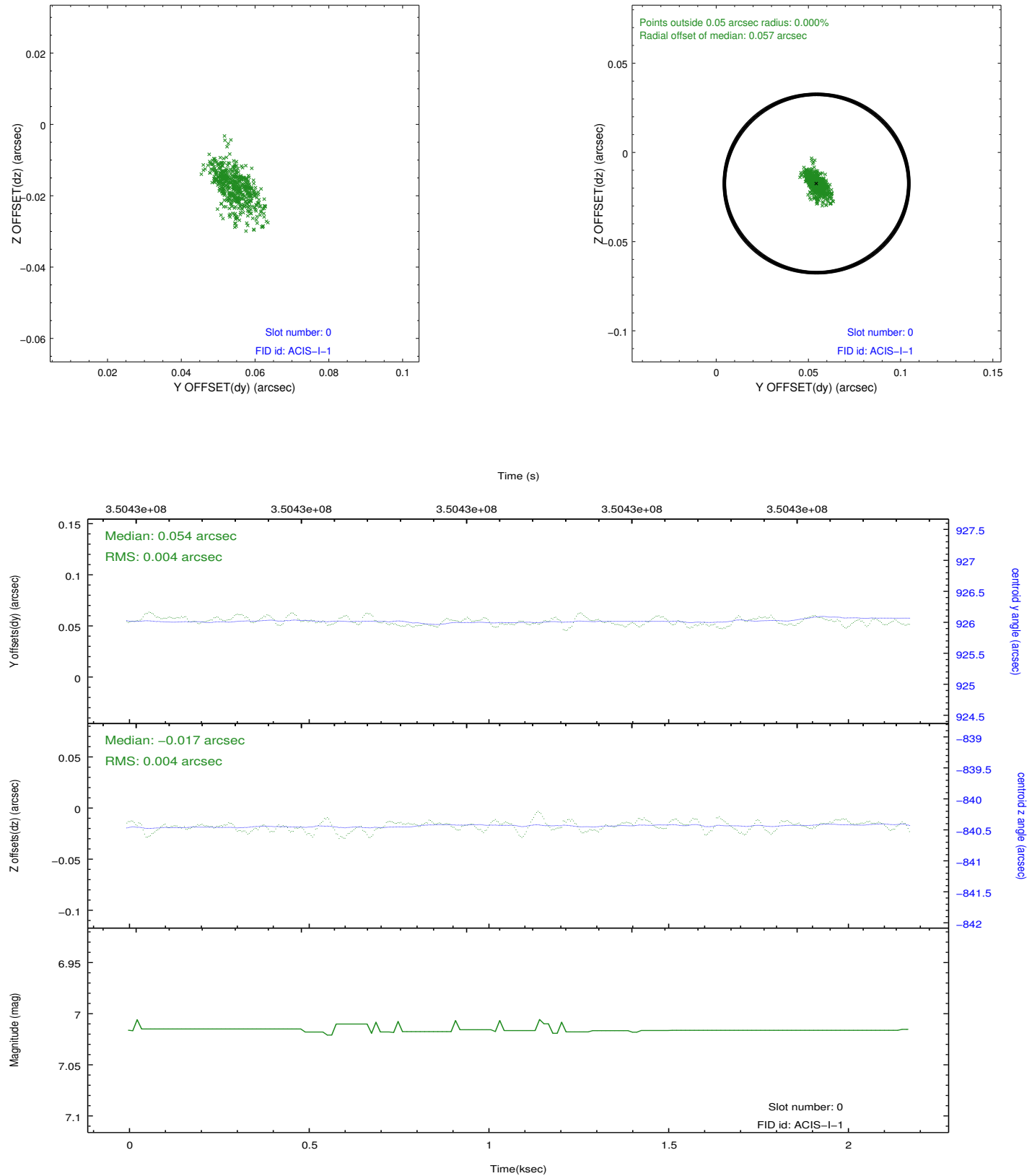


2.4.5 Slot 7

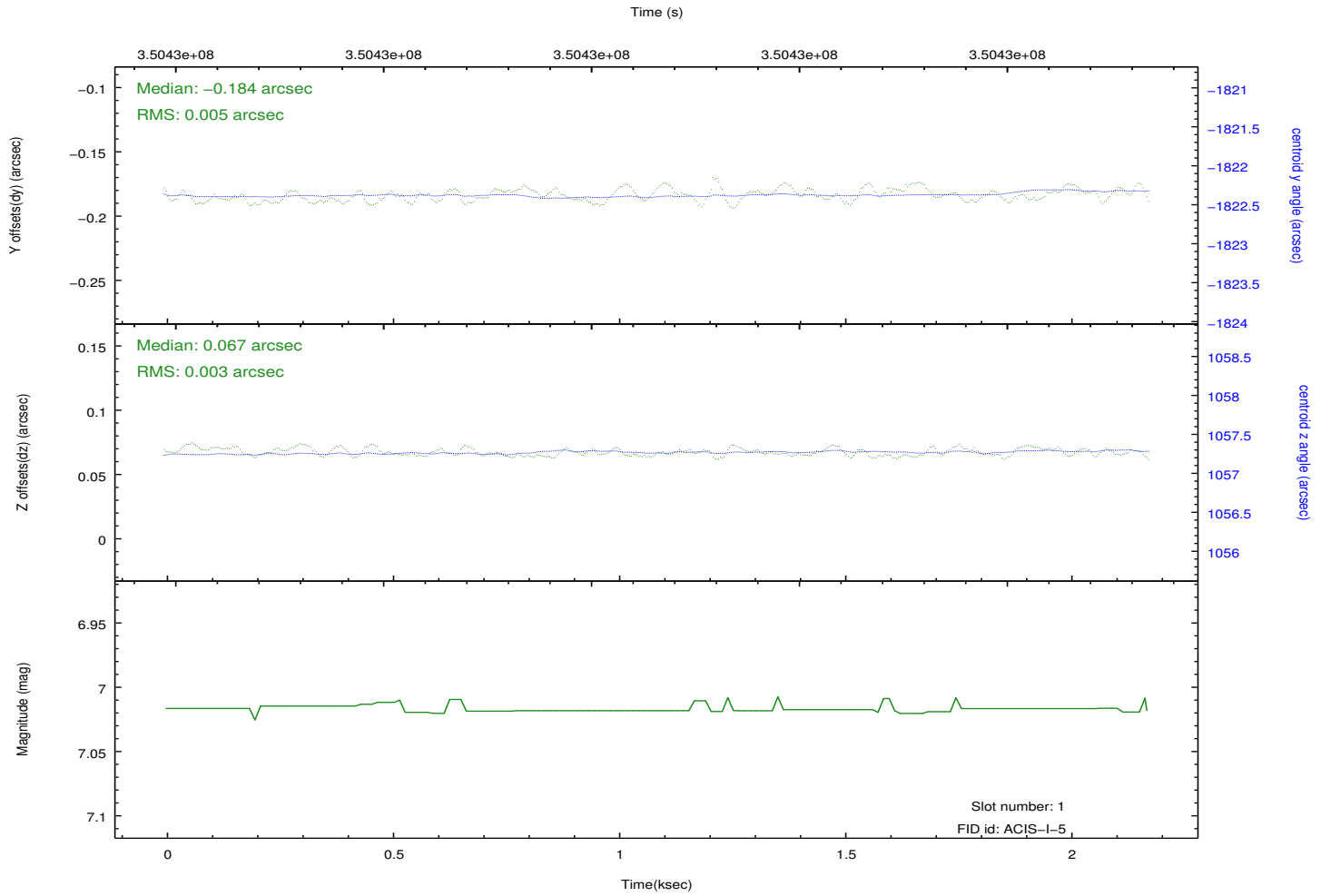
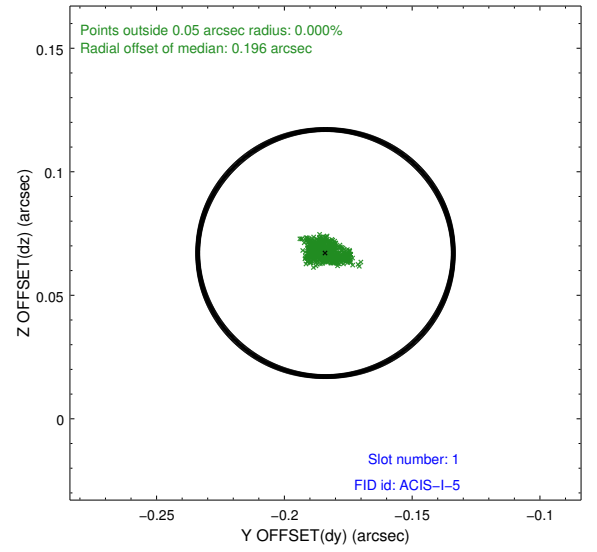
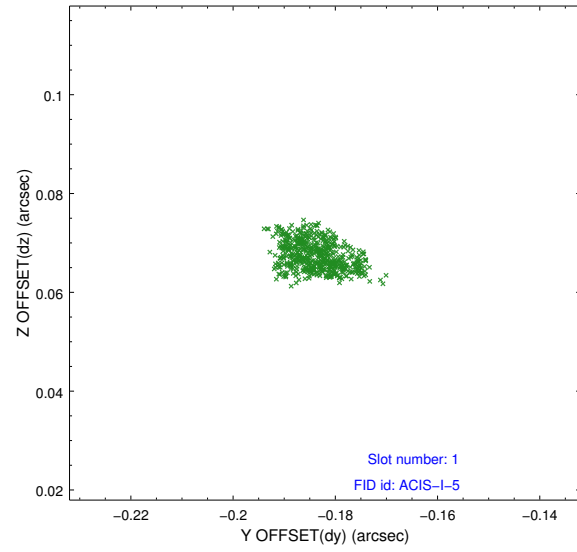


2.5 FID Slots

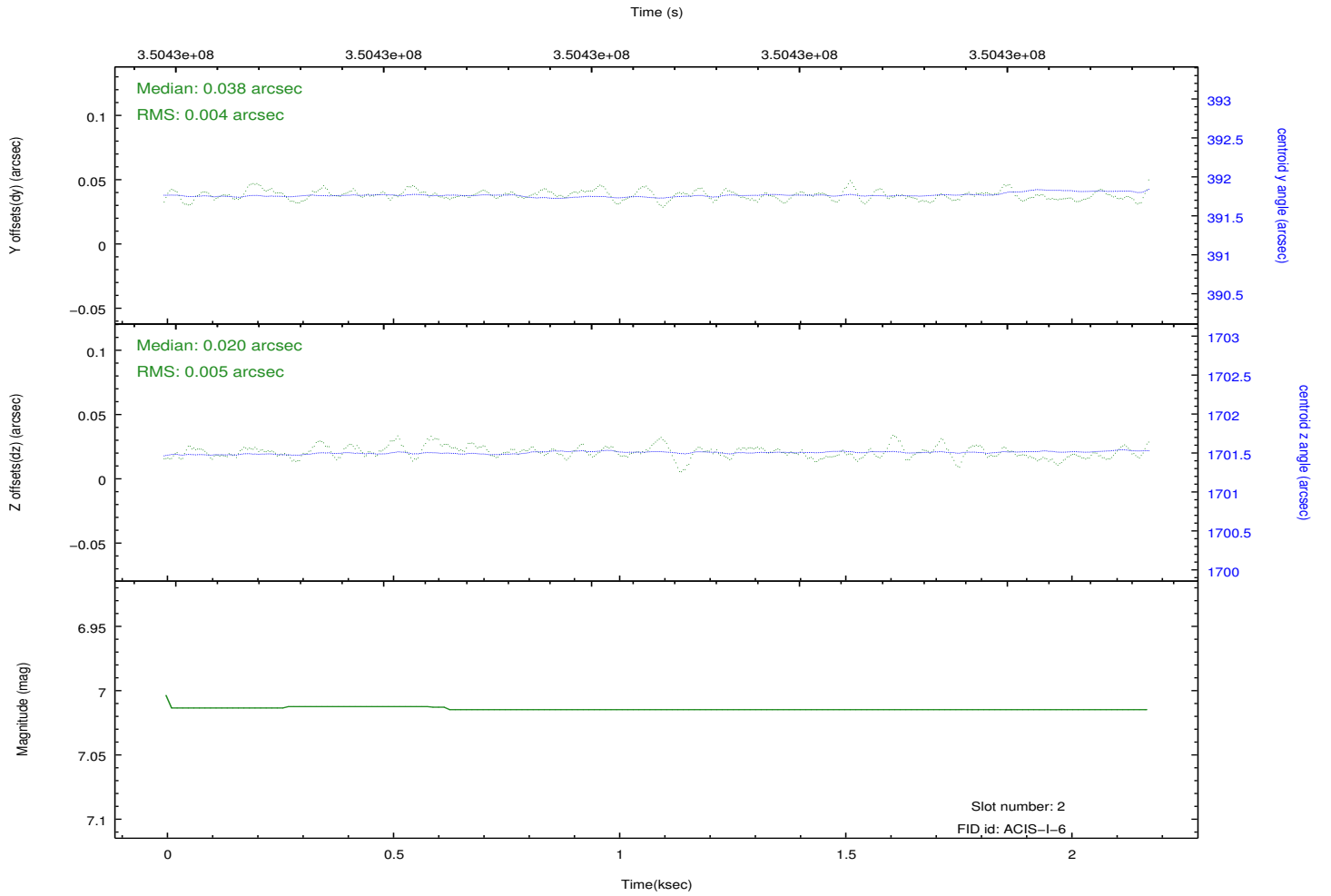
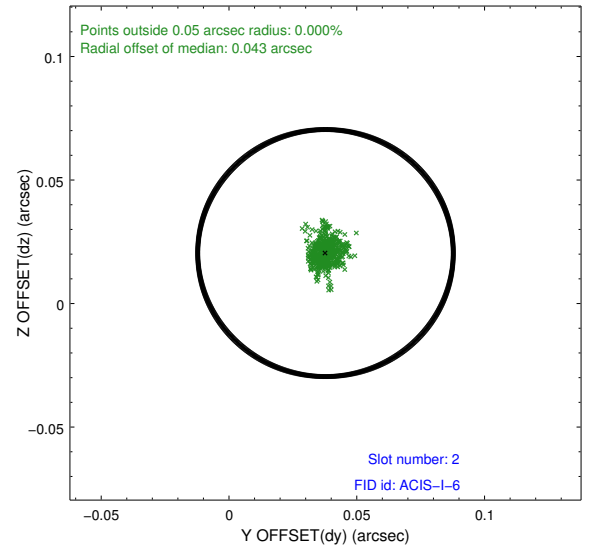
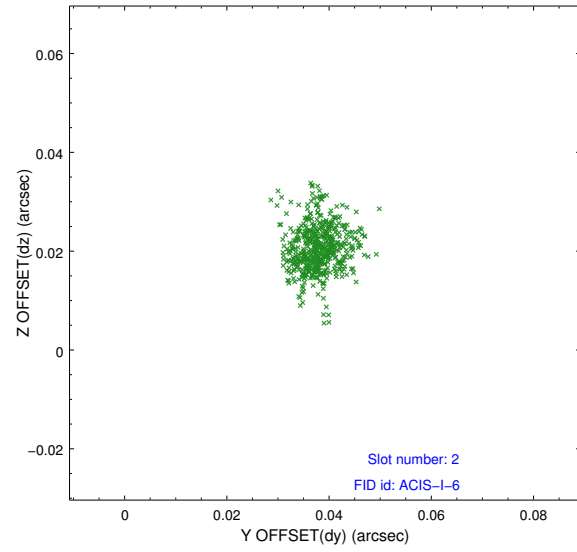
2.5.1 Slot 0



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	2.17930001

A.2 Comments

Joint Proposal: NOAO