

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9440 - L2 Version 2
Chandra X-Ray Center

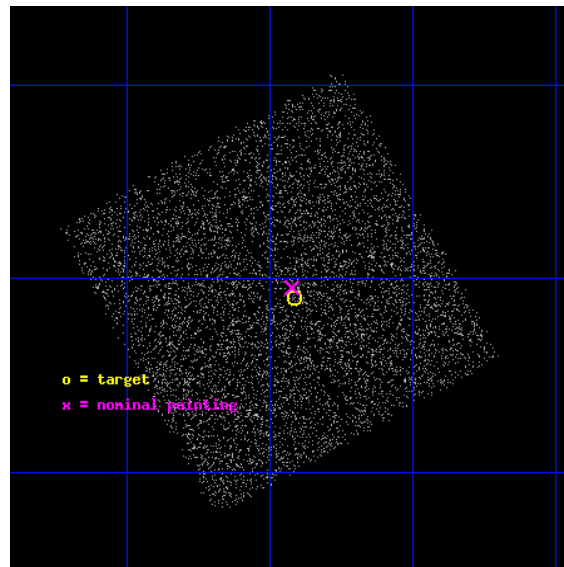
L2 Processing Date : May 23 2012

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

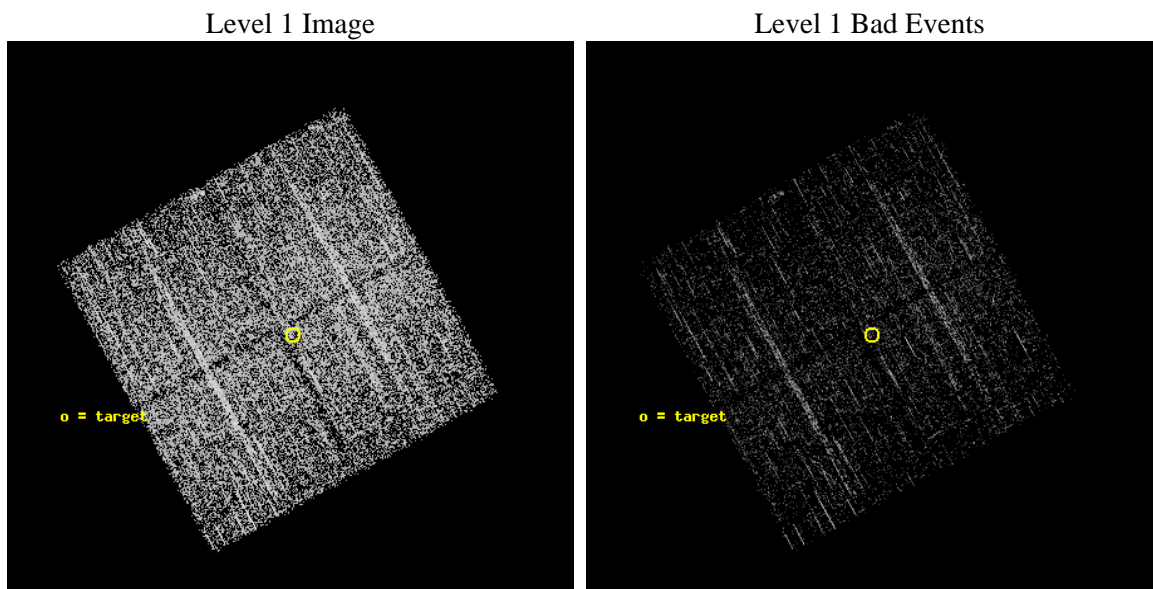
seq_num	900786	Sequence number
obs_id	9440	Observation id
title	Comparing the emission from an unbiased AGN sample with the X-ray background	Proposal title
observer	Dr Roland Walter	Principal investigator
object	4C 04.43	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	186.729167	Observer's specified target RA [deg]
dec_targ	4.483889	Observer's specified target Dec [deg]
ra_nom	186.73106508602	Nominal RA [deg]
dec_nom	4.4919376466483	Nominal Dec [deg]
roll_nom	61.123104050218	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1968.5000151396	Sum of GTIs [s]
livetime	1942.7801132532	Livetime [s]
ontime0	1968.5000151396	Sum of GTIs [s]
ontime1	1968.5000151396	Sum of GTIs [s]
ontime2	1968.5000151396	Sum of GTIs [s]
ontime3	1968.5000151396	Sum of GTIs [s]
l2events	8437	Number of level 2 events



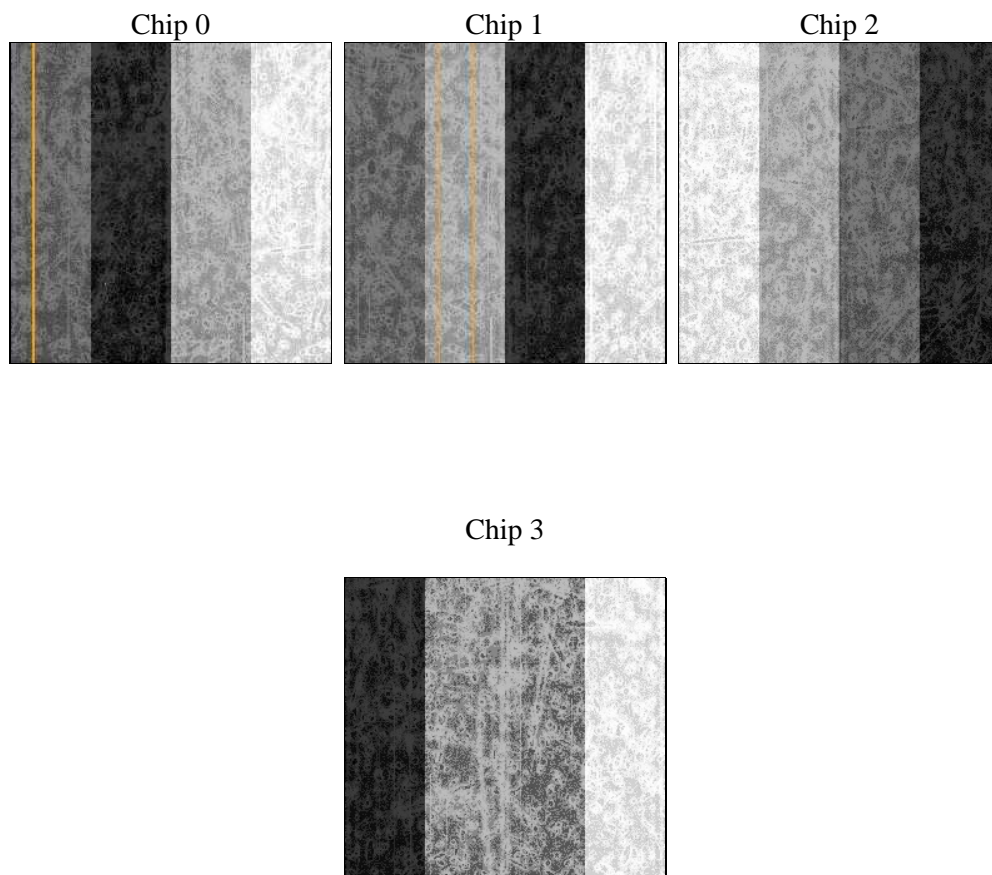
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2180.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	1968.5000151396	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	1968.5000151396	Sum of GTIs [s]
date	2012-05-24T02:17:02	Date and time of file creation	ontime1	1968.5000151396	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	1968.5000151396	Sum of GTIs [s]
			ontime3	1968.5000151396	Sum of GTIs [s]
			l1events	75283	Number of level 1 events

2.1.4 Events

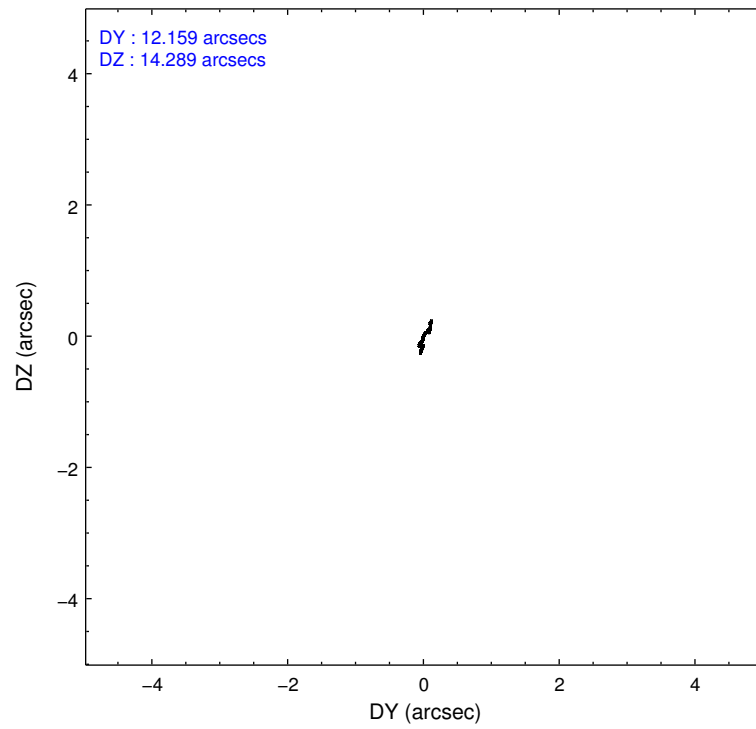
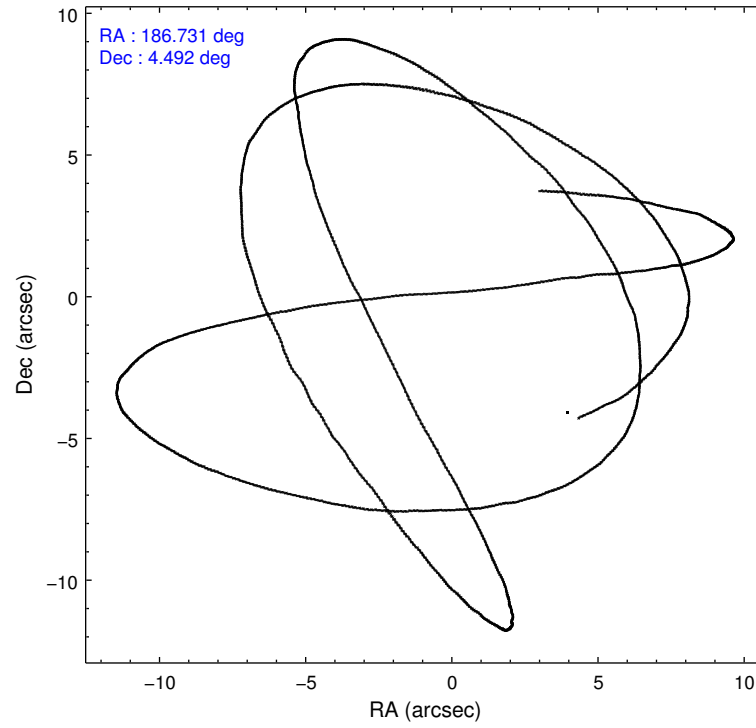
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	18183	18999	19173	18928
rejected events	15781	16355	16761	16524
rejected %	86%	86%	87%	87%

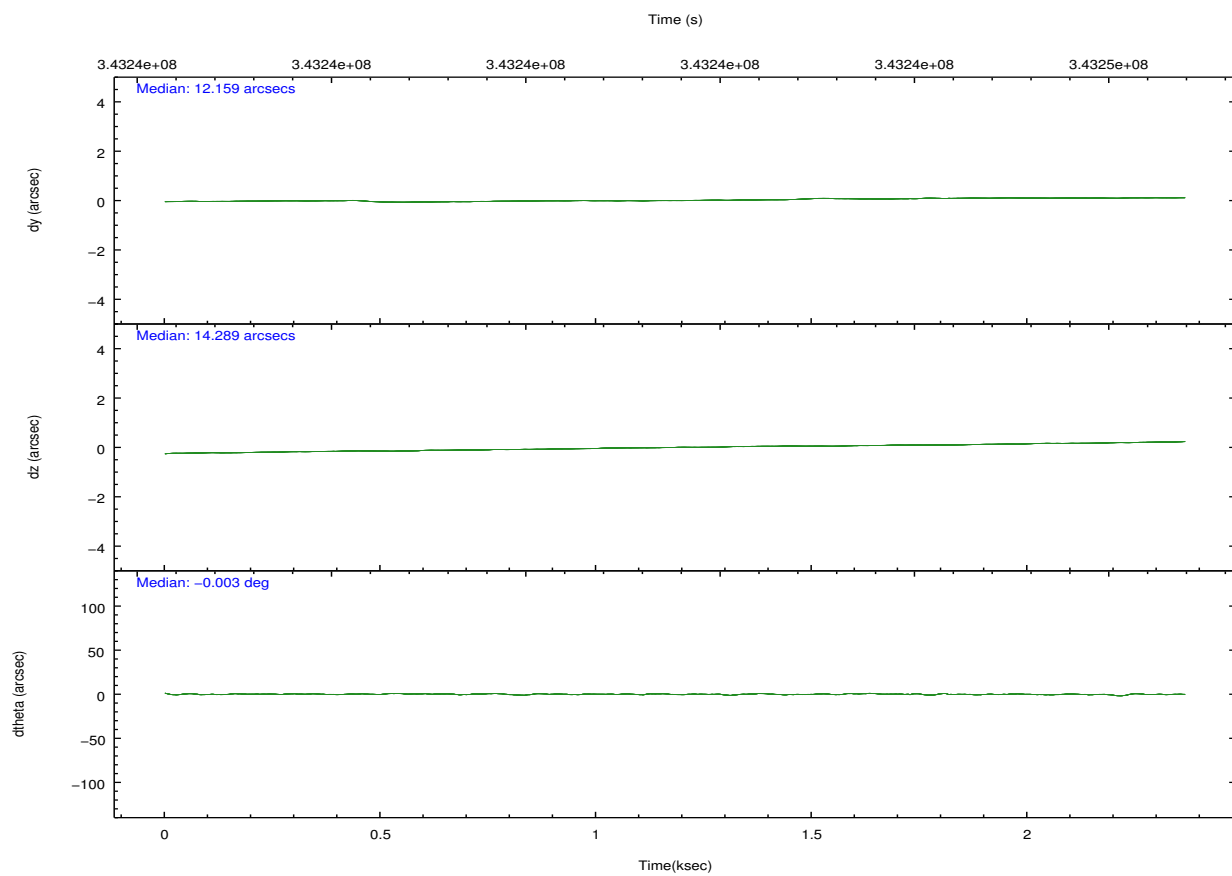
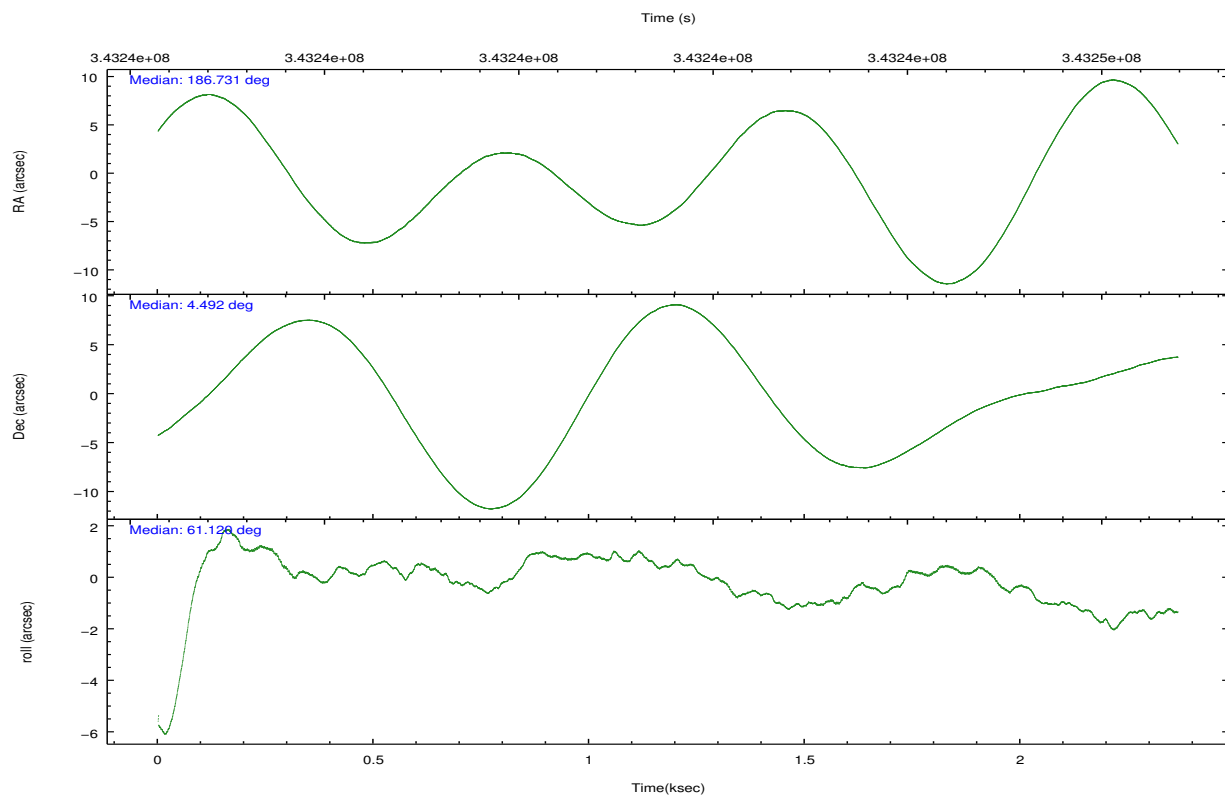
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	977	984	1065	1069
	5%	5%	5%	5%
grade 1 events	13	10	19	12
	0%	0%	0%	0%
grade 2 events	563	632	519	498
	3%	3%	2%	2%
grade 3 events	223	252	217	231
	1%	1%	1%	1%
grade 4 events	229	246	224	205
	1%	1%	1%	1%
grade 5 events	830	928	771	973
	4%	4%	4%	5%
grade 6 events	422	539	396	409
	2%	2%	2%	2%
grade 7 events	14926	15408	15962	15531
	82%	81%	83%	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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	186.731445	186.7310650860178	Subarray requested	NONE	NONE
[deg] Pointing Dec	4.464322	4.491937646648299	Alternating exposures requested	N	N
[deg] Pointing Roll	60.914413	61.12310405021827	[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)	343243387.184000	343242912.61686			
Observation start date	2008-11-16T17:22:02	2008-11-16T17:15:12			
[s] Observation end time (MET)	343245567.184000	343245762.117			
Observation end date	2008-11-16T17:58:22	2008-11-16T18:02:42			
Read mode	TIMED	TIMED			

2.3 Aspect



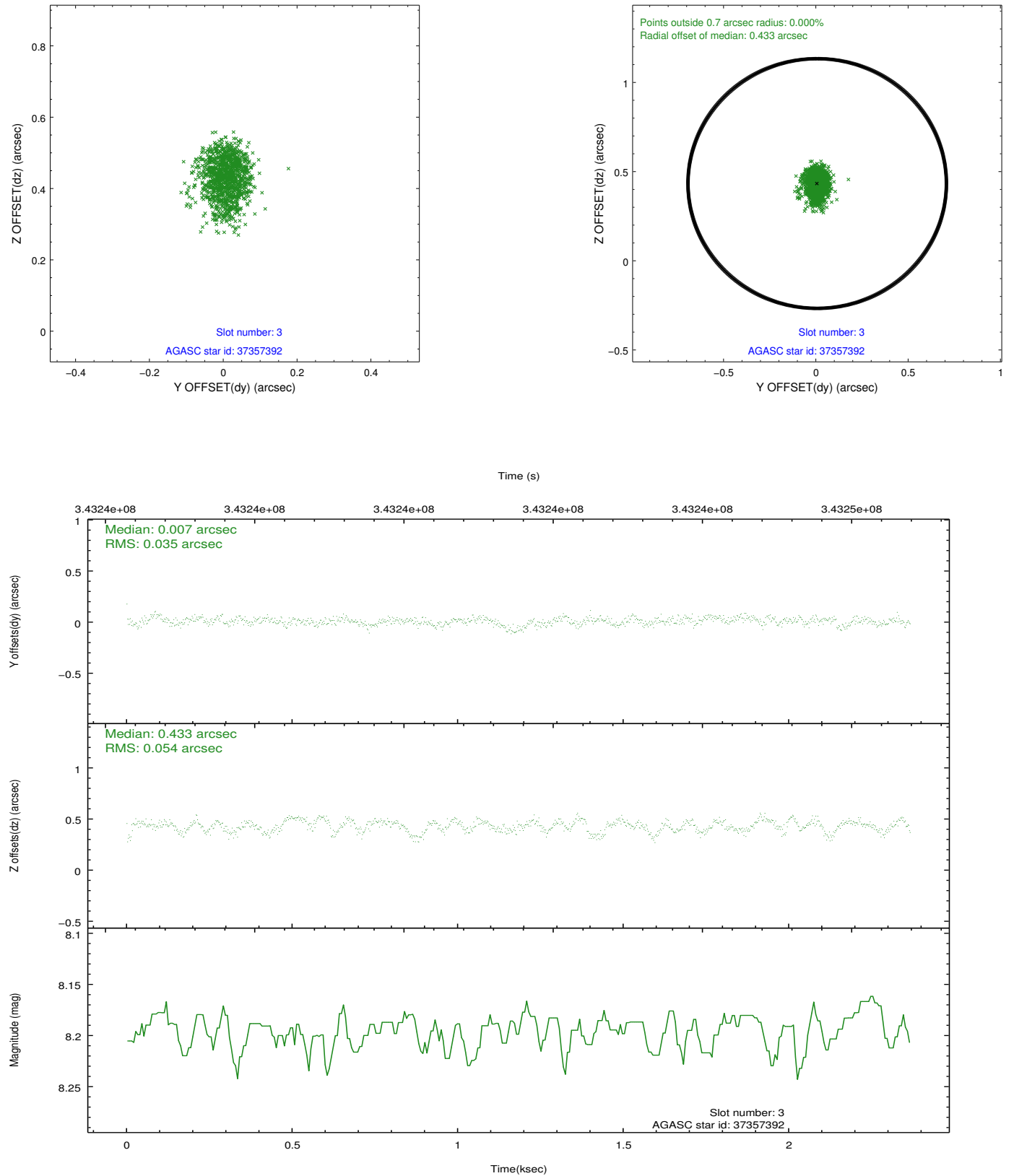


Slot Statistics

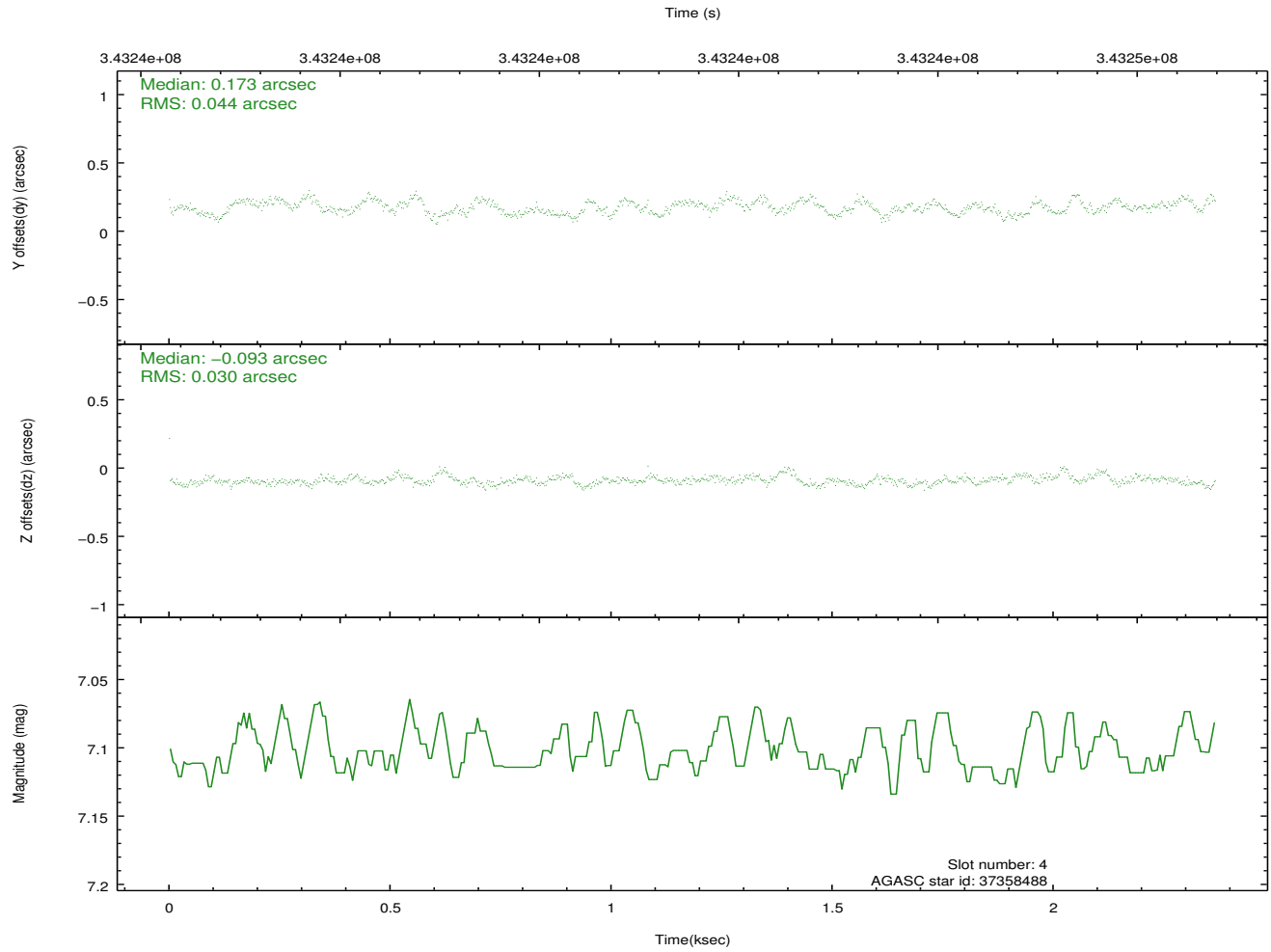
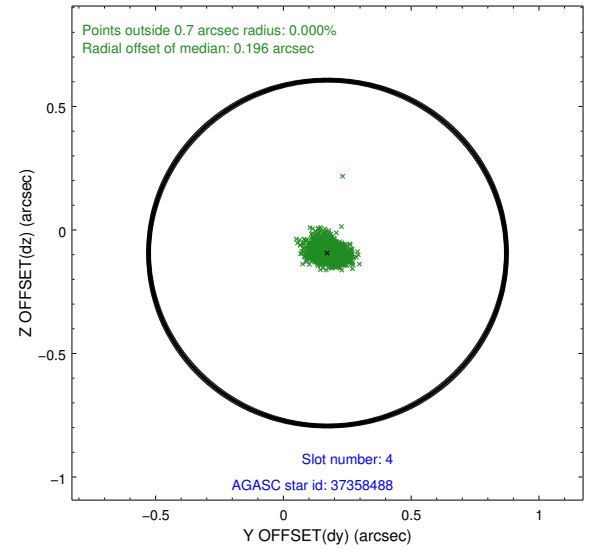
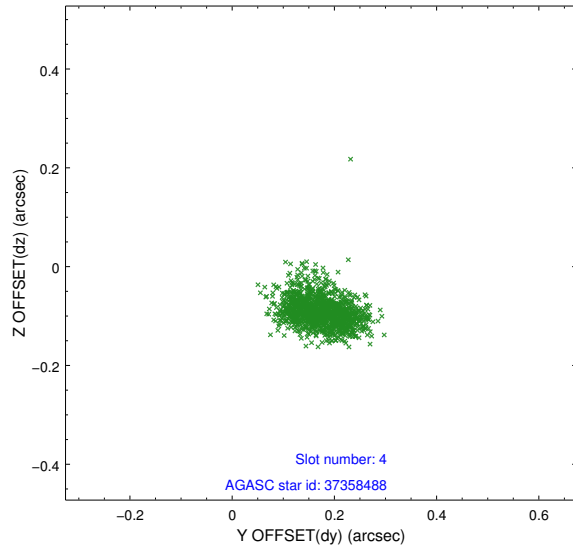
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.05	577	0.005	0.034	0.007	0.013	0.000000	0.000000	927.37	-837.82
1	FID	ACIS-I-5	7.04	577	-0.156	0.031	0.006	0.010	0.000000	0.000000	-1819.40	1058.26
2	FID	ACIS-I-6	7.05	577	0.060	0.005	0.008	0.014	0.000000	0.000000	389.95	1705.87
3	GUIDE	37357392	8.19	1155	0.007	0.433	0.068	0.112	187.068134	3.697099	-1826.00	-2398.43
4	GUIDE	37358488	7.10	1155	0.173	-0.093	0.057	0.092	187.076739	4.396562	387.31	-1202.52
5	GUIDE	37358624	7.38	1155	-0.018	0.102	0.060	0.111	187.367341	4.838237	2285.64	-1337.33
6	GUIDE	37359240	7.28	1155	0.041	-0.175	0.061	0.096	186.478383	4.199753	-1272.47	330.57
7	GUIDE	37360072	9.03	1153	-0.204	-0.267	0.121	0.190	186.376082	4.898905	745.76	1875.62

2.4 Star Slots

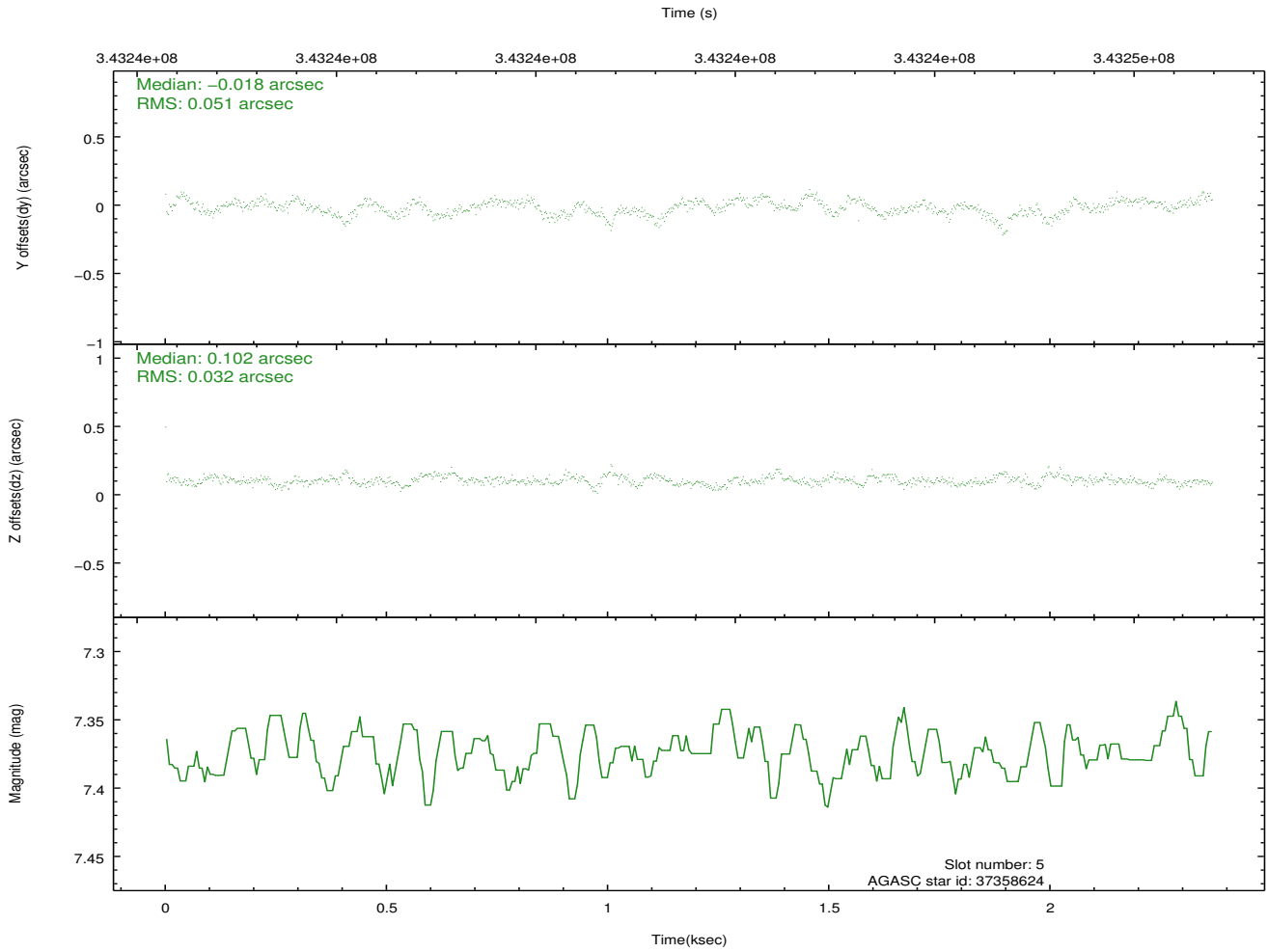
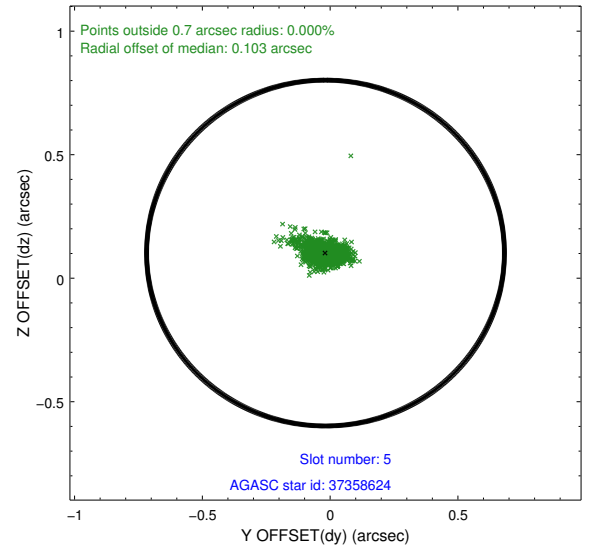
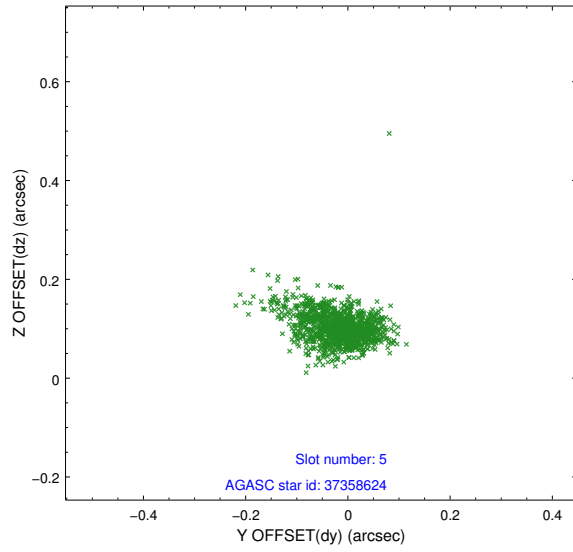
2.4.1 Slot 3



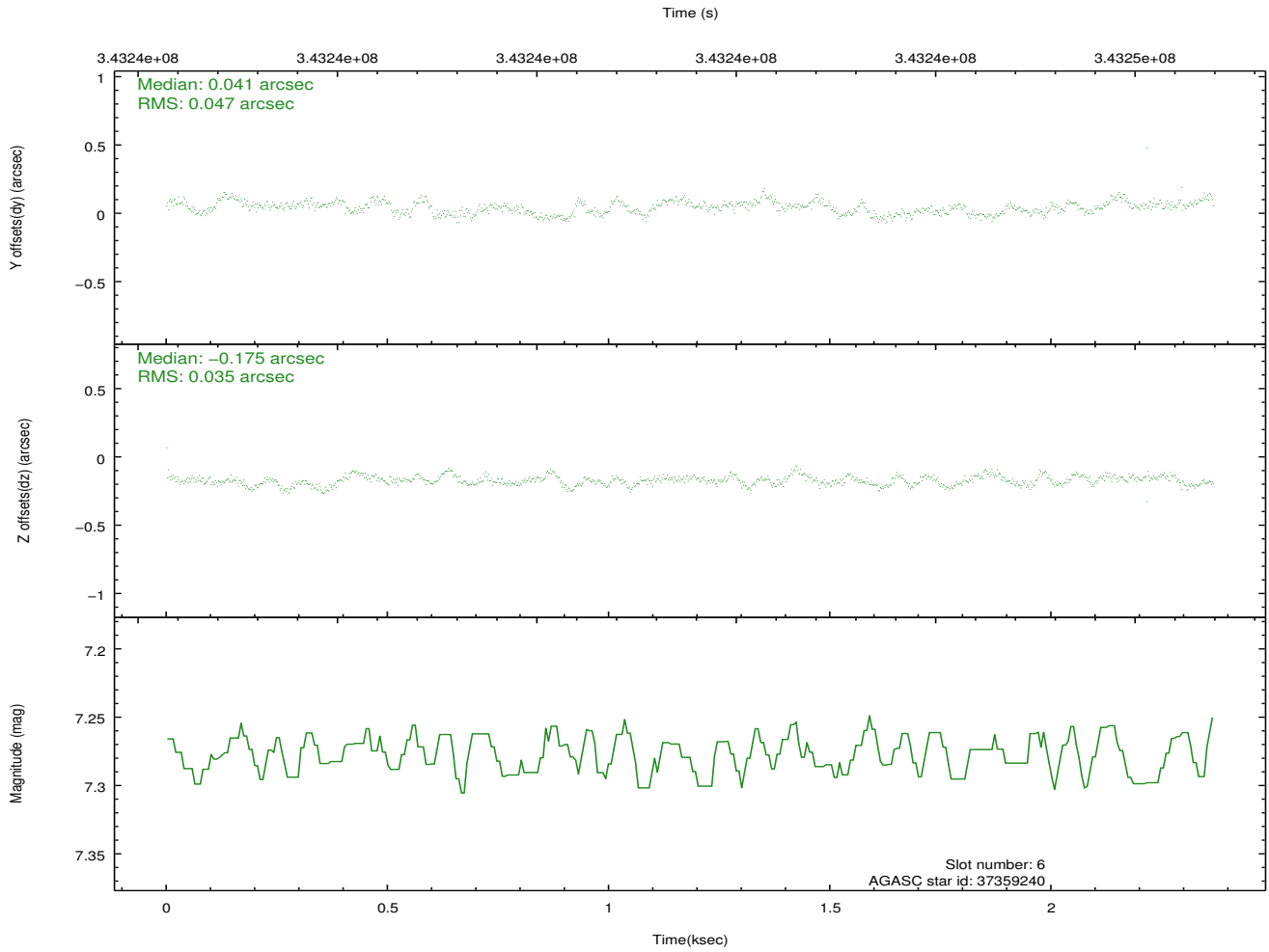
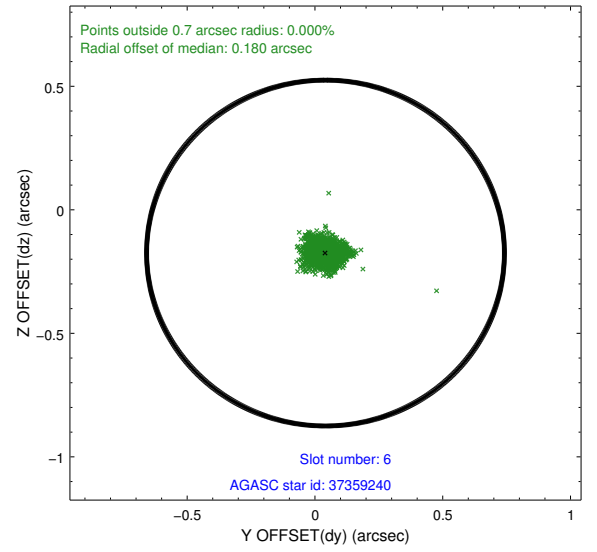
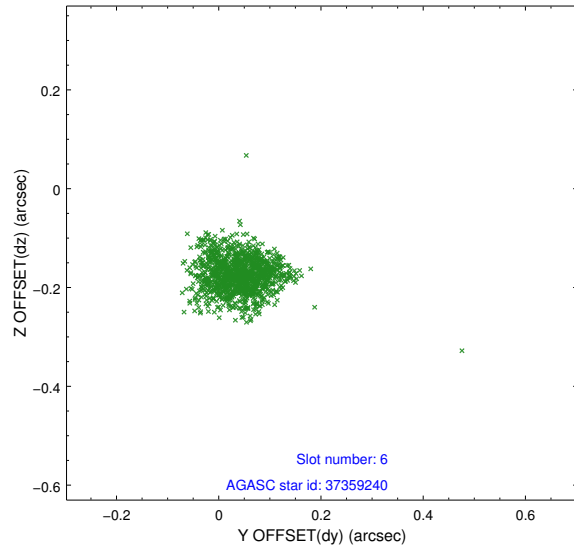
2.4.2 Slot 4



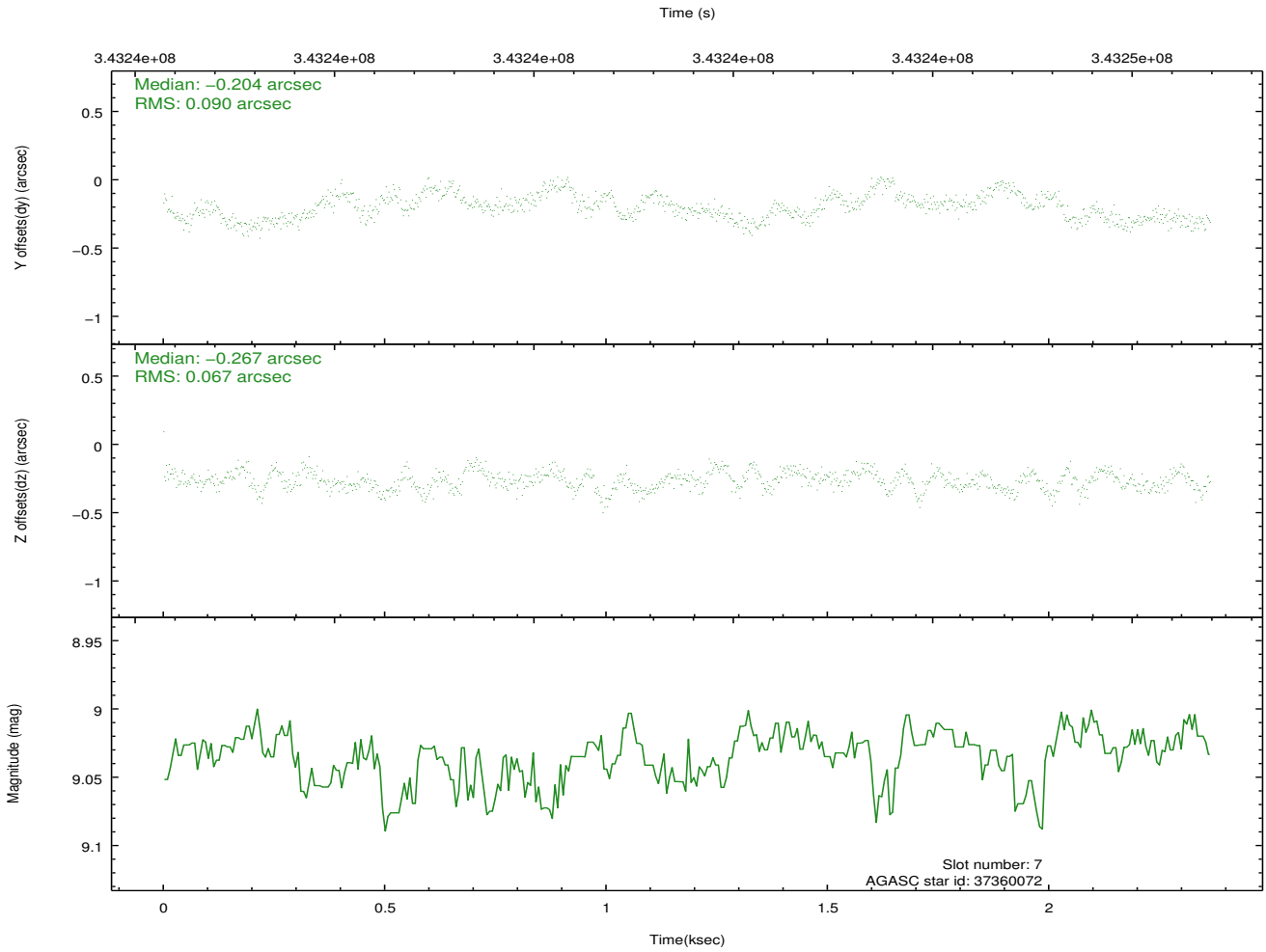
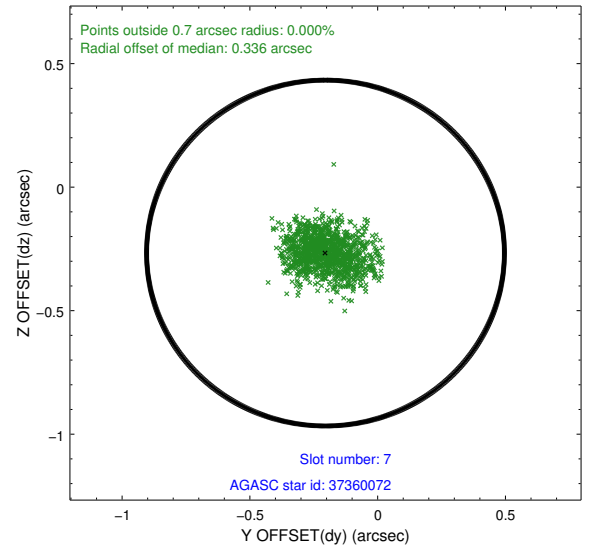
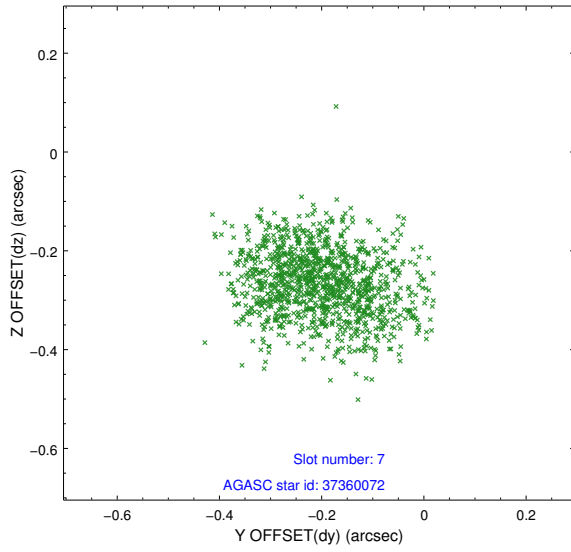
2.4.3 Slot 5



2.4.4 Slot 6

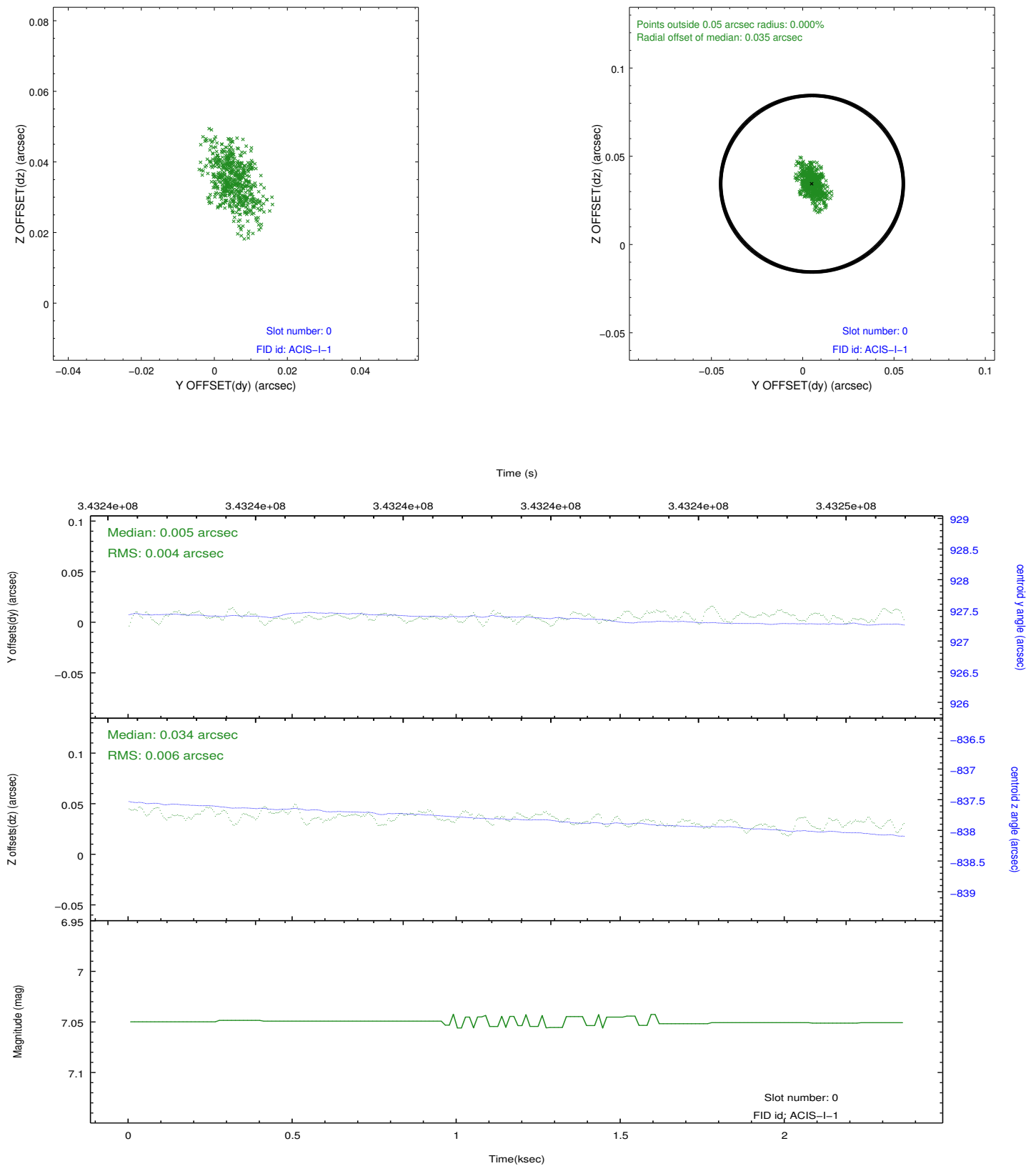


2.4.5 Slot 7

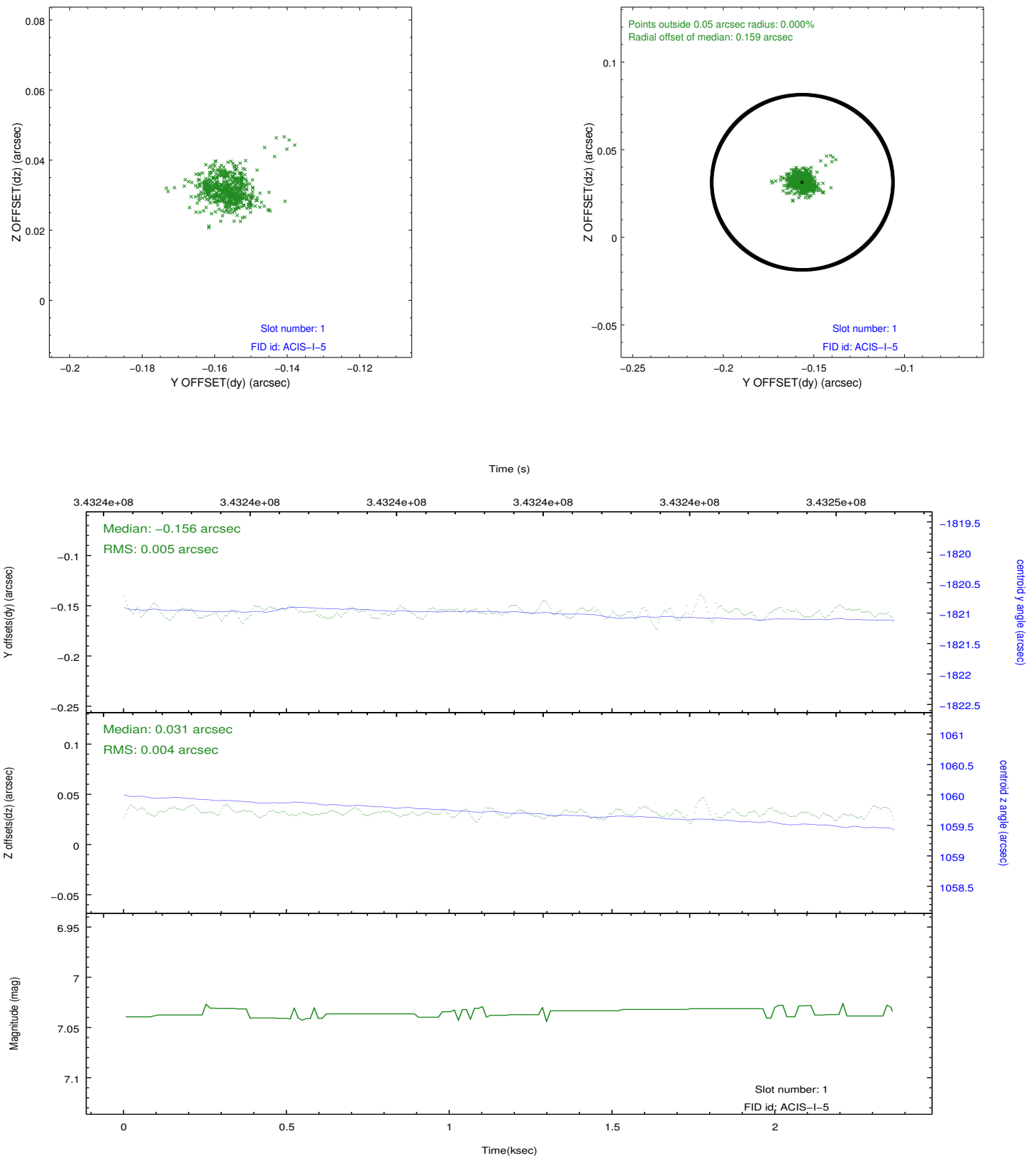


2.5 FID Slots

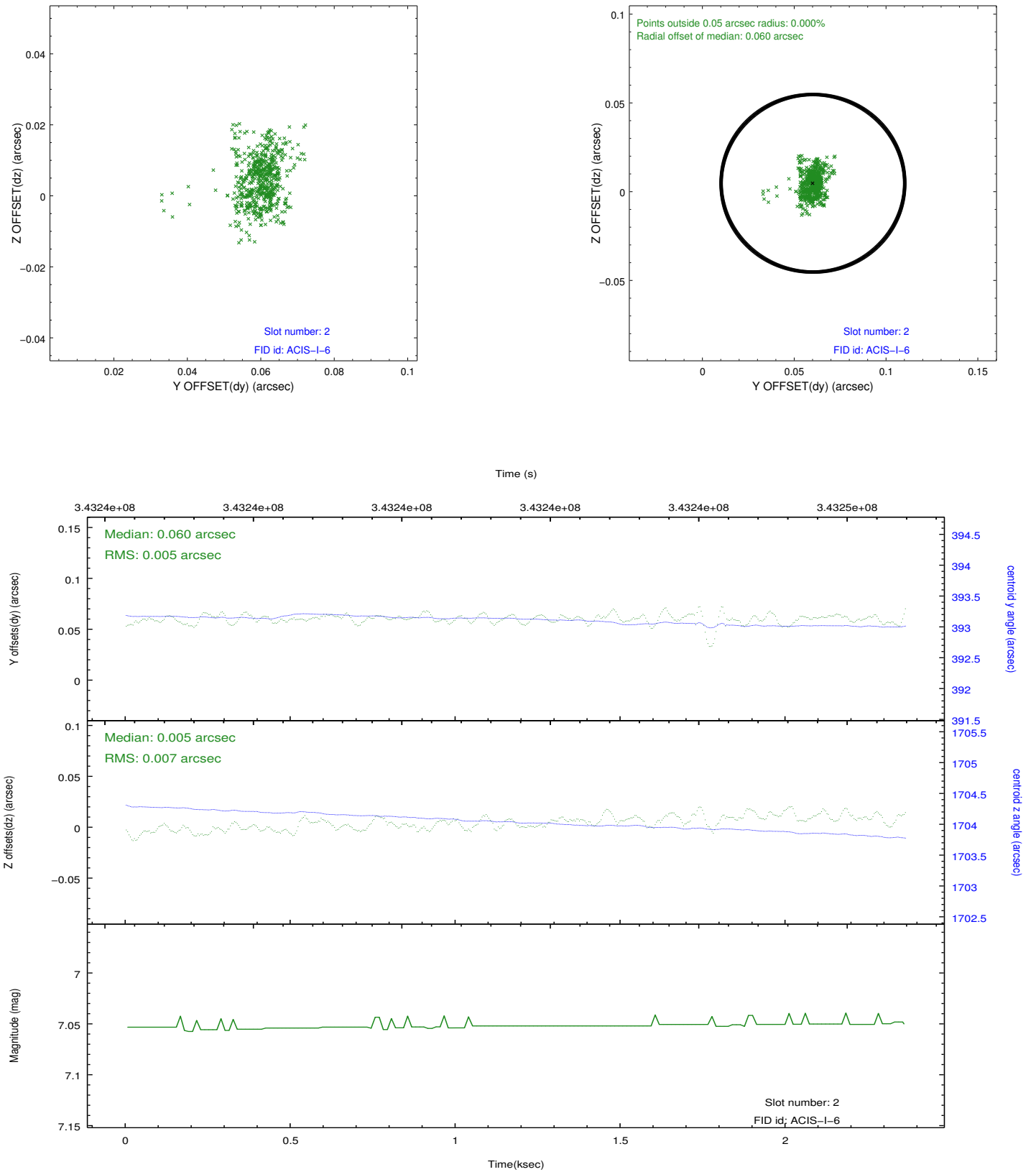
2.5.1 Slot 0



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)	2012.05.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.96850001

A.2 Comments