

V&V Reference Report

L2 ASCDS Version : 8.5.1

Observation 5377 - L2 Version 3
Chandra X-Ray Center

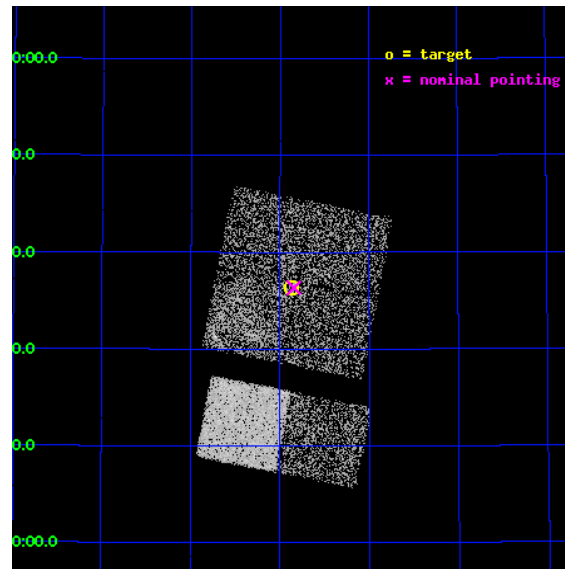
L2 Processing Date : Dec 17 2012

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

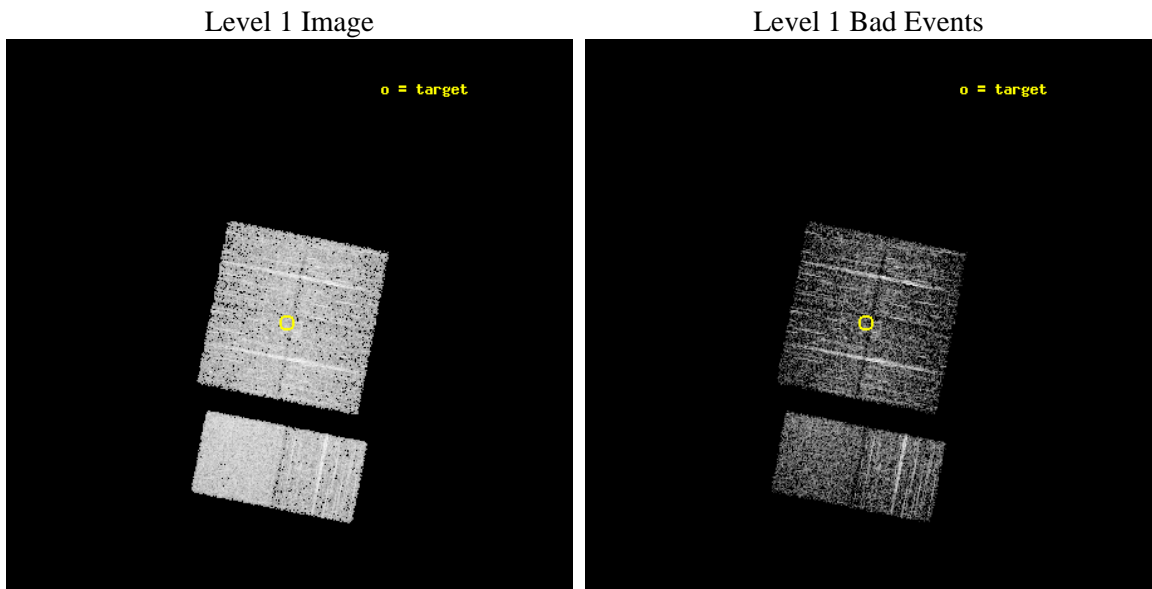
seq_num	200312	Sequence number
obs_id	5377	Observation id
title	Search for beta Pic analogs	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	f UMa	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	137.218333	Observer's specified target RA [deg]
dec_targ	51.604722	Observer's specified target Dec [deg]
ra_nom	137.21124007325	Nominal RA [deg]
dec_nom	51.605595601057	Nominal Dec [deg]
roll_nom	191.03890477801	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2959.9999889731	Sum of GTIs [s]
livetime	2922.5186868147	Livetime [s]
ontime0	2959.9999889731	Sum of GTIs [s]
ontime1	2959.9999889731	Sum of GTIs [s]
ontime2	2959.9999889731	Sum of GTIs [s]
ontime3	2959.9999889731	Sum of GTIs [s]
ontime6	2959.9999889731	Sum of GTIs [s]
ontime7	2959.9999889731	Sum of GTIs [s]
l2events	23127	Number of level 2 events



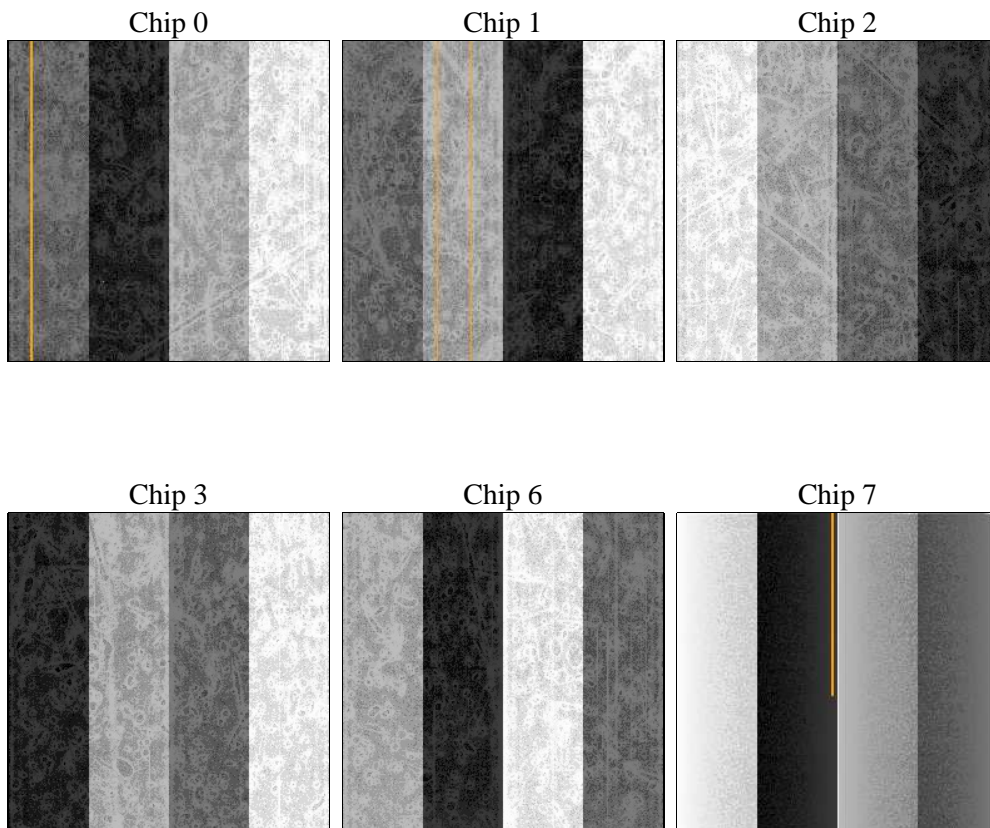
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1	Processing system revision	ontime	2959.9999889731	Sum of GTIs [s]
caldsver	4.5.5	 	ontime0	2959.9999889731	Sum of GTIs [s]
date	2012-12-17T04:27:23	Date and time of file creation	ontime1	2959.9999889731	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	2959.9999889731	Sum of GTIs [s]
			ontime3	2959.9999889731	Sum of GTIs [s]
			ontime6	2959.9999889731	Sum of GTIs [s]
			ontime7	2959.9999889731	Sum of GTIs [s]
			l1events	130689	Number of level 1 events

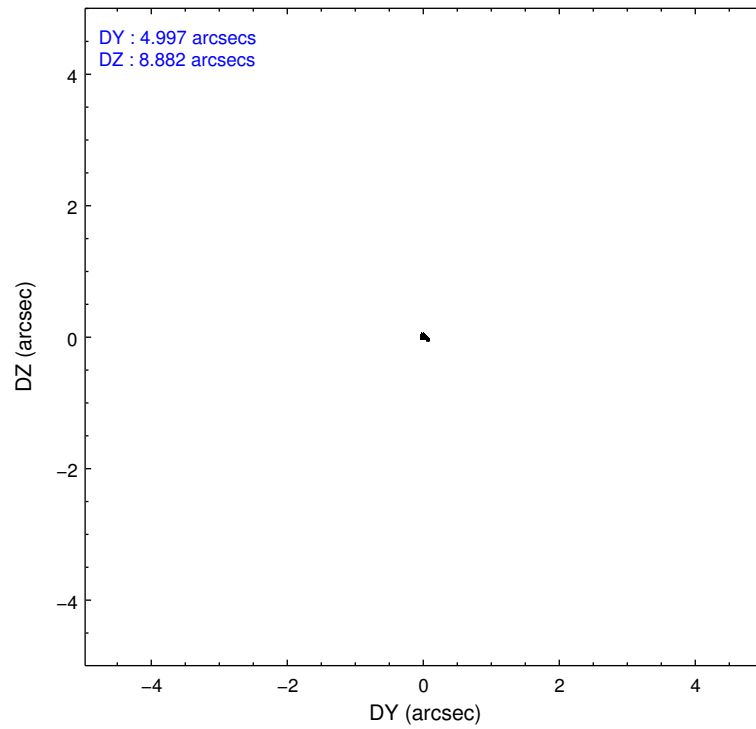
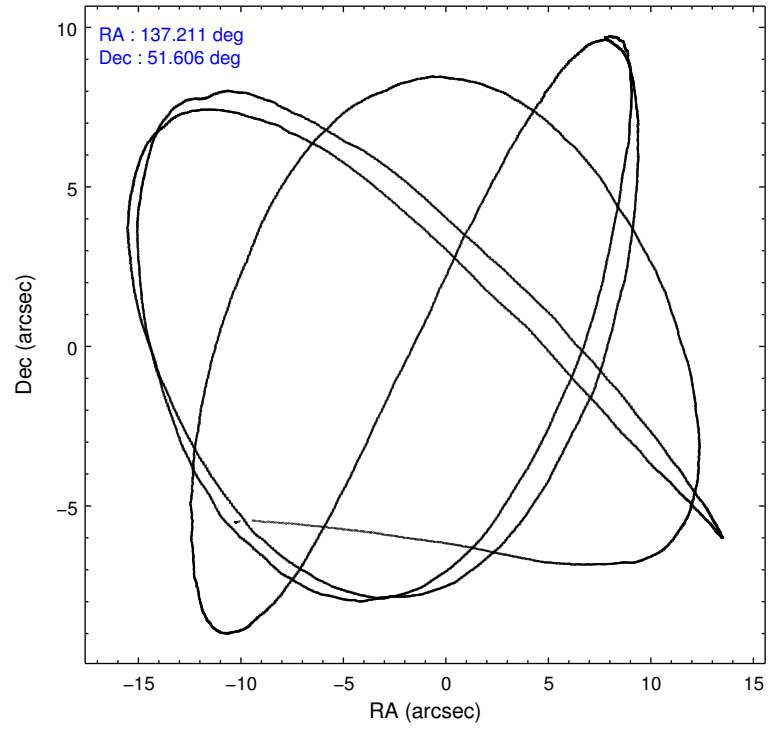
2.1.4 Events

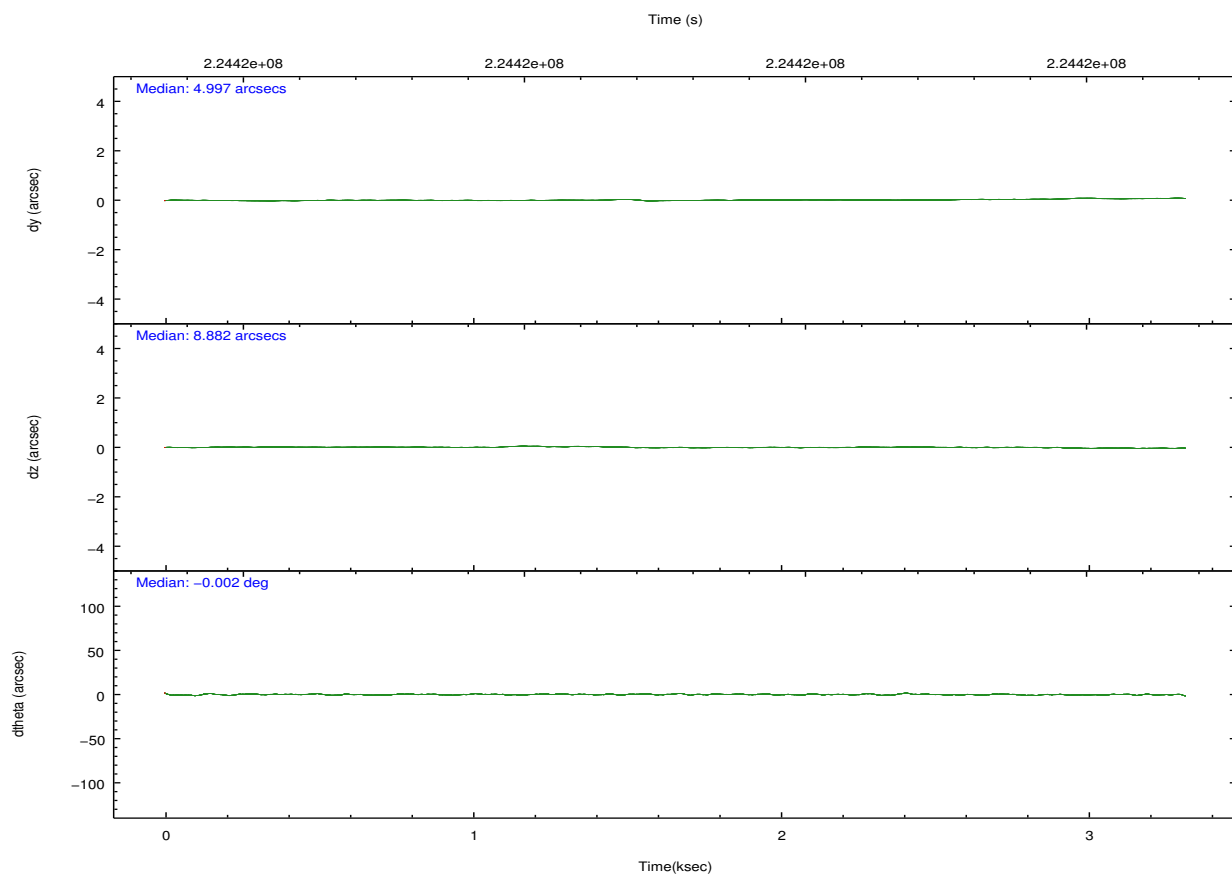
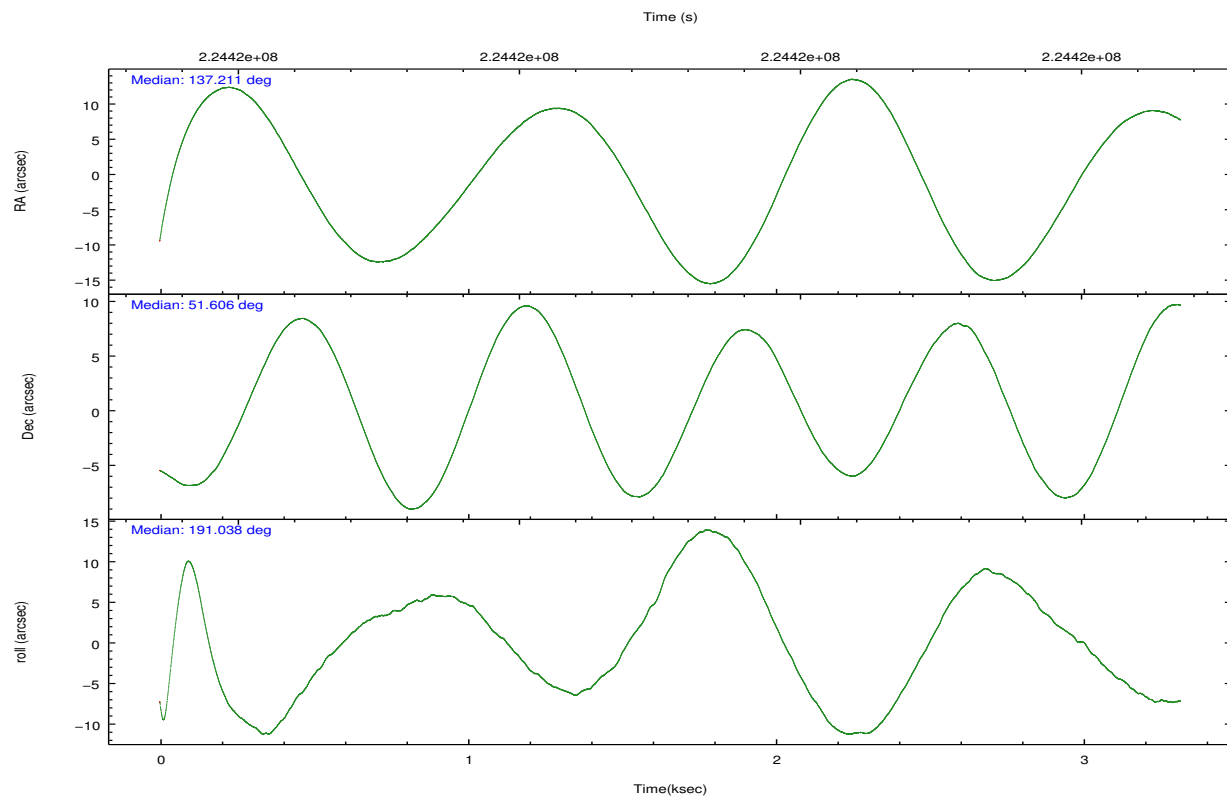
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	19619	18870	20621	20178	22485	28916	grade 0 events	1065	1002	1152	1782	997	1025
rejected events	17133	16374	18047	16926	19949	17163		5%	5%	5%	8%	4%	3%
rejected %	87%	86%	87%	83%	88%	59%	grade 1 events	12	10	12	21	11	25
								0%	0%	0%	0%	0%	0%
							grade 2 events	498	508	549	552	556	2410
								2%	2%	2%	2%	2%	8%
							grade 3 events	245	242	237	269	229	1032
								1%	1%	1%	1%	1%	3%
							grade 4 events	249	261	228	220	240	1013
								1%	1%	1%	1%	1%	3%
							grade 5 events	867	958	849	939	1009	2897
								4%	5%	4%	4%	4%	10%
							grade 6 events	432	486	414	434	518	6308
								2%	2%	2%	2%	2%	21%
							grade 7 events	16251	15403	17180	15961	18925	14206
								82%	81%	83%	79%	84%	49%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	137.244179	137.2112400732543	Subarray requested	NONE	NONE
[deg] Pointing Dec	51.623735	51.60559560105698	Alternating exposures requested	N	N
[deg] Pointing Roll	190.804512	191.038904778012	[s] Primary exposure time	0.000000	3.2
[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)	224415192.184000	224414021.71952			
Observation start date	2005-02-10T09:32:08	2005-02-10T09:13:41			
[s] Observation end time (MET)	224418192.184000	224419081.63225			
Observation end date	2005-02-10T10:22:08	2005-02-10T10:38:01			
Read mode	TIMED	TIMED			

2.3 Aspect



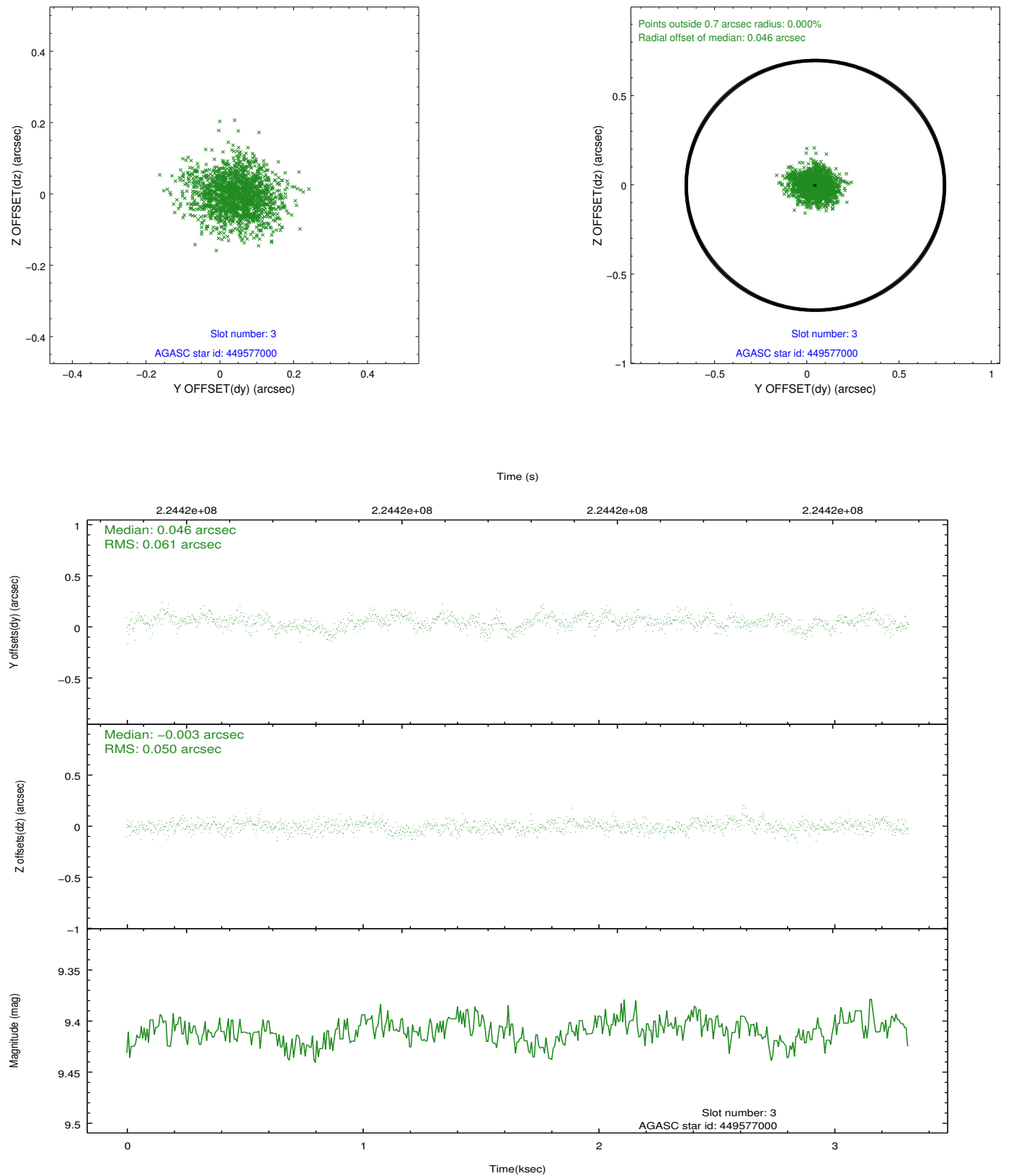


Slot Statistics

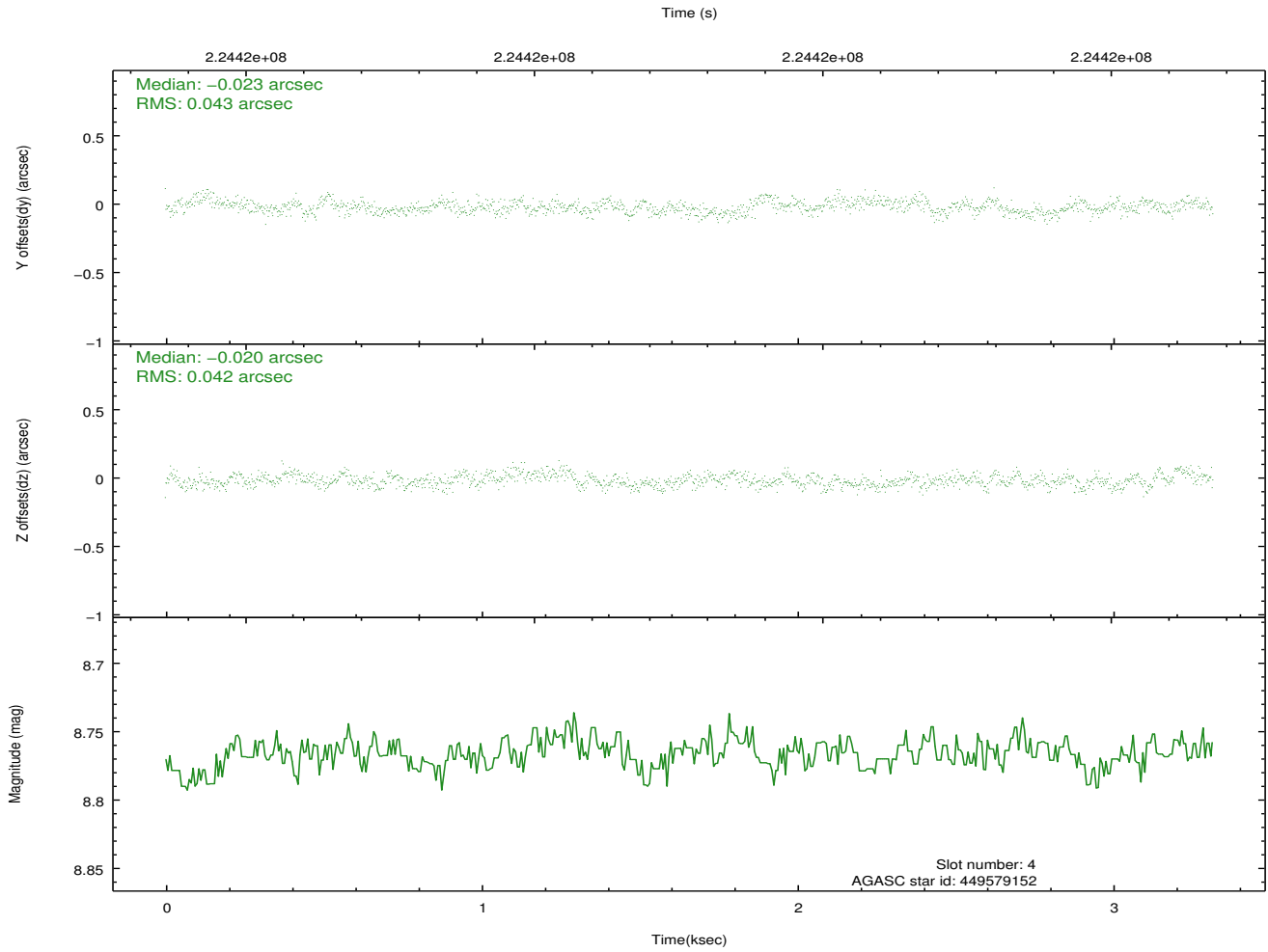
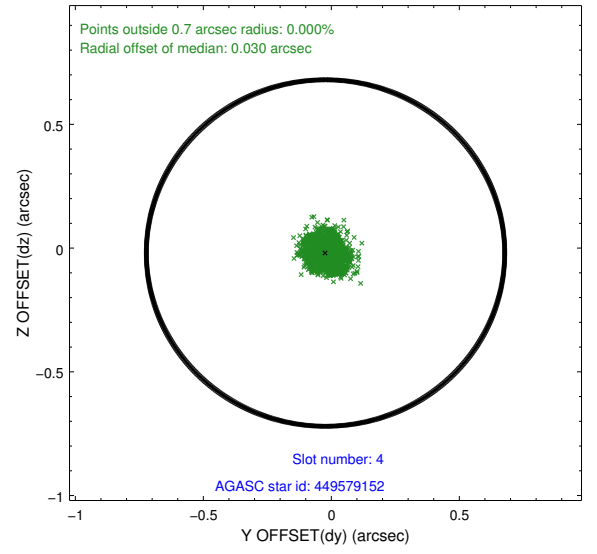
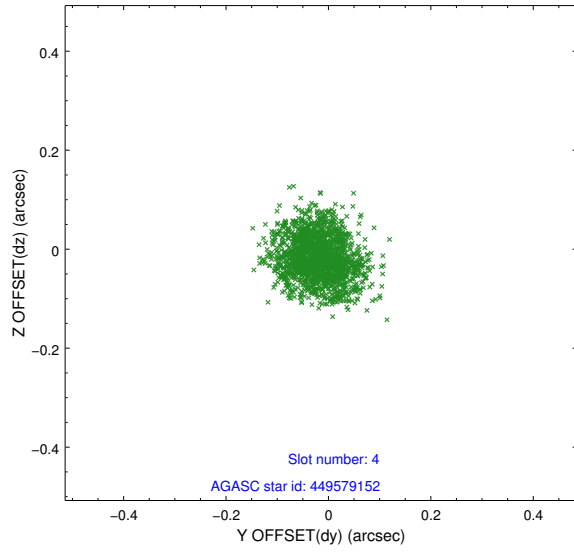
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	810	-0.005	0.043	0.008	0.012	0.000000	0.000000	934.73	-832.28
1	FID	ACIS-I-4	7.19	810	0.106	-0.004	0.007	0.011	0.000000	0.000000	2155.95	1066.53
2	FID	ACIS-I-5	7.22	810	-0.199	0.032	0.006	0.012	0.000000	0.000000	-1811.01	1066.59
3	GUIDE	449577000	9.41	1618	0.046	-0.003	0.083	0.138	137.786748	51.305874	-985.18	1348.25
4	GUIDE	449579152	8.77	1619	-0.023	-0.020	0.065	0.101	137.519862	51.431286	-478.13	795.99
5	GUIDE	449580392	9.26	1617	-0.011	0.025	0.094	0.150	136.586076	50.962265	1911.13	2053.16
6	GUIDE	449580944	9.53	1619	0.029	-0.037	0.120	0.189	136.730333	51.335063	1331.04	801.16
7	GUIDE	449584768	7.12	1618	-0.034	0.036	0.063	0.093	136.806399	51.629931	957.63	-207.87

2.4 Star Slots

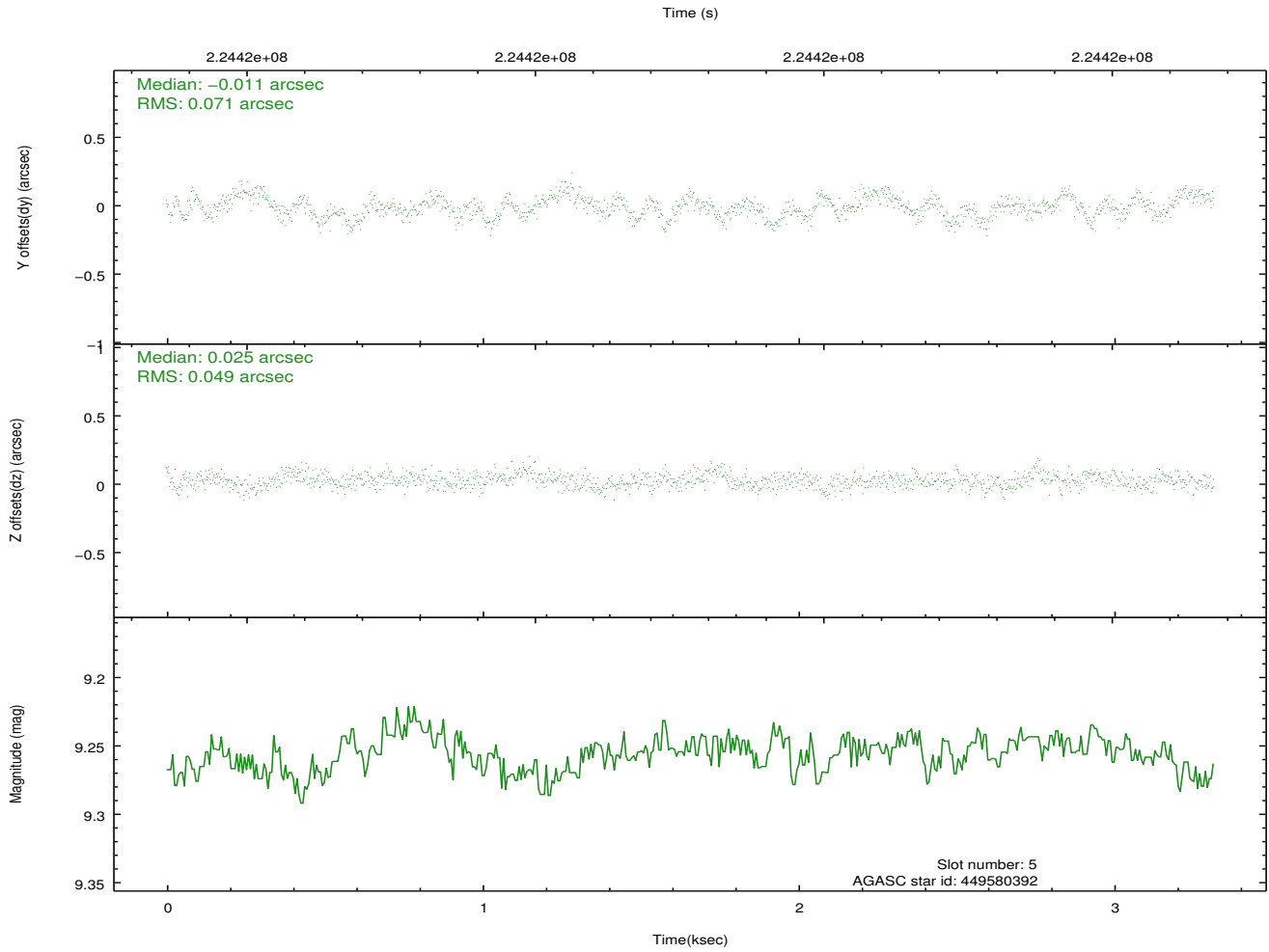
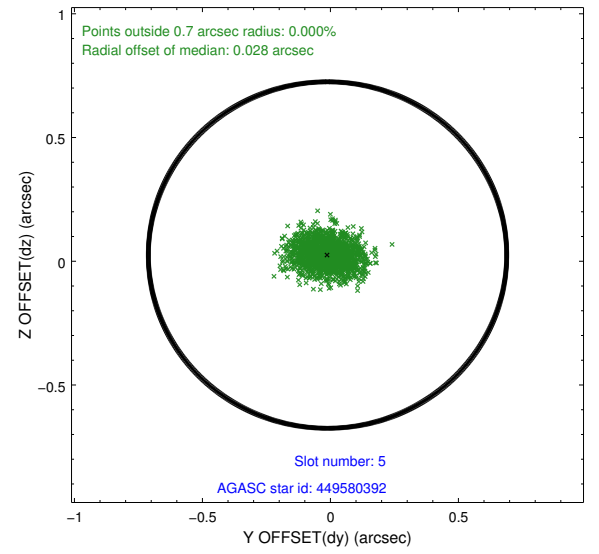
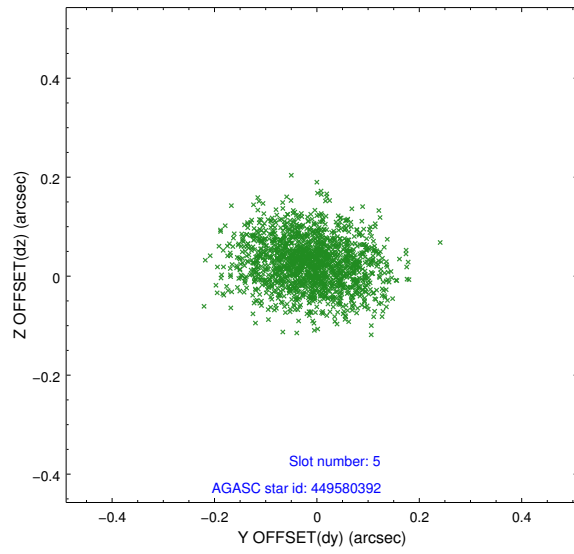
2.4.1 Slot 3



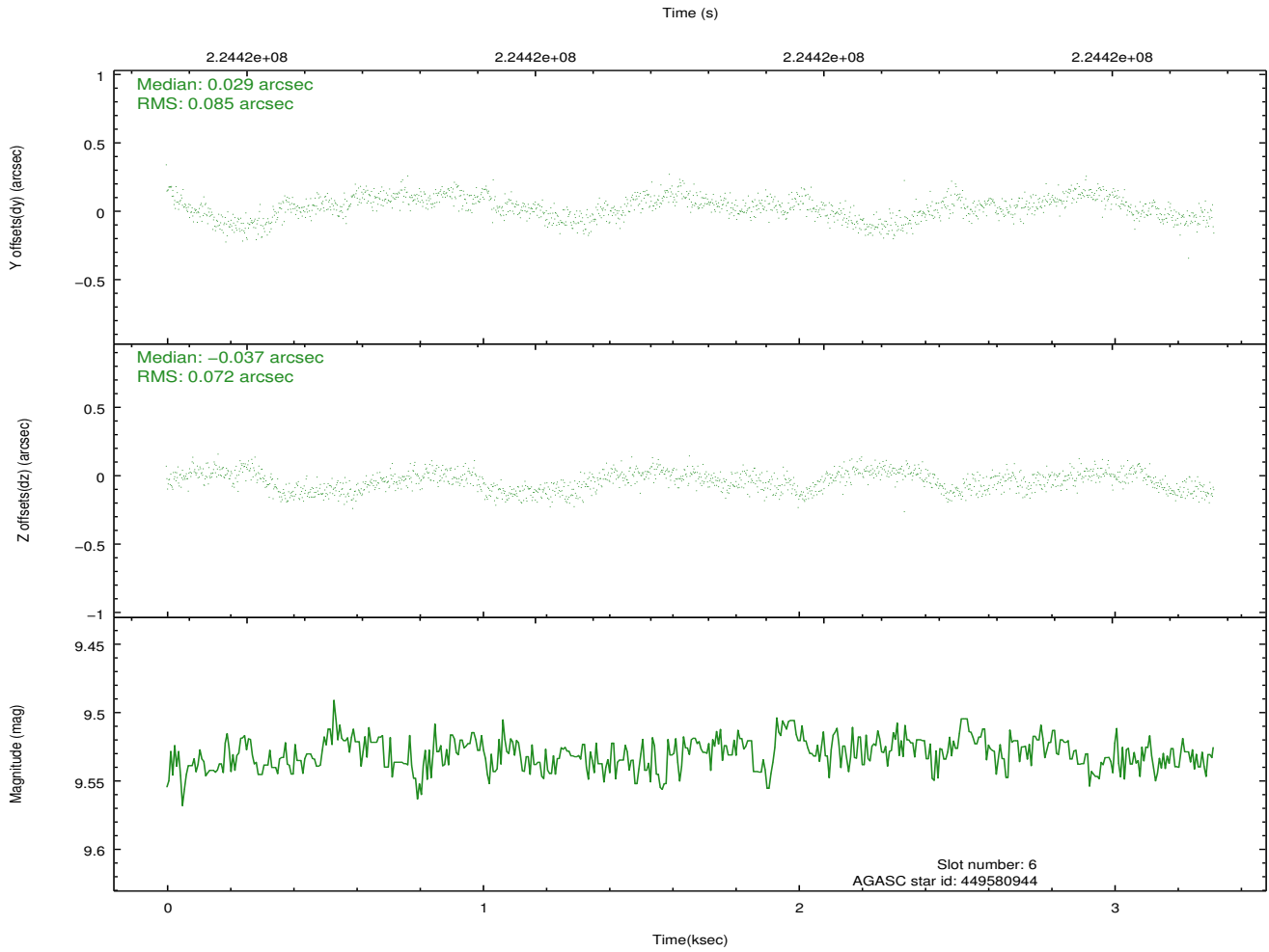
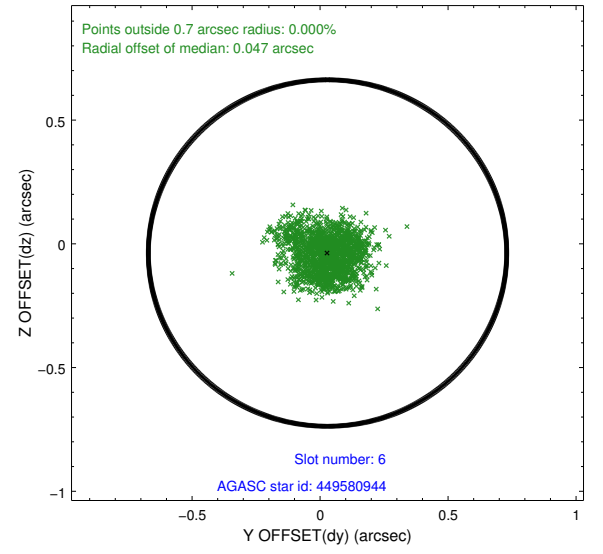
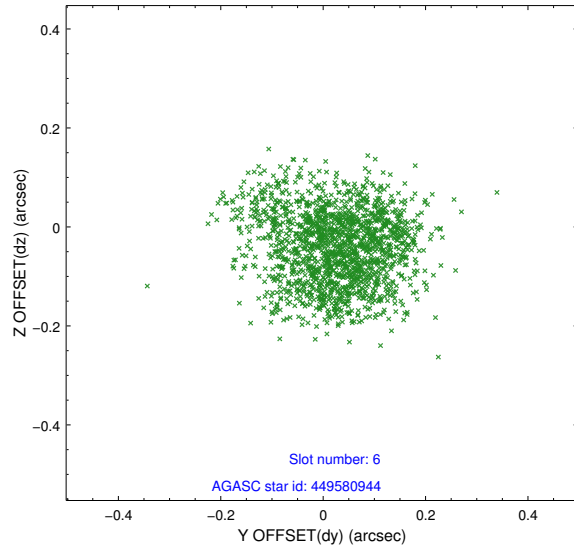
2.4.2 Slot 4



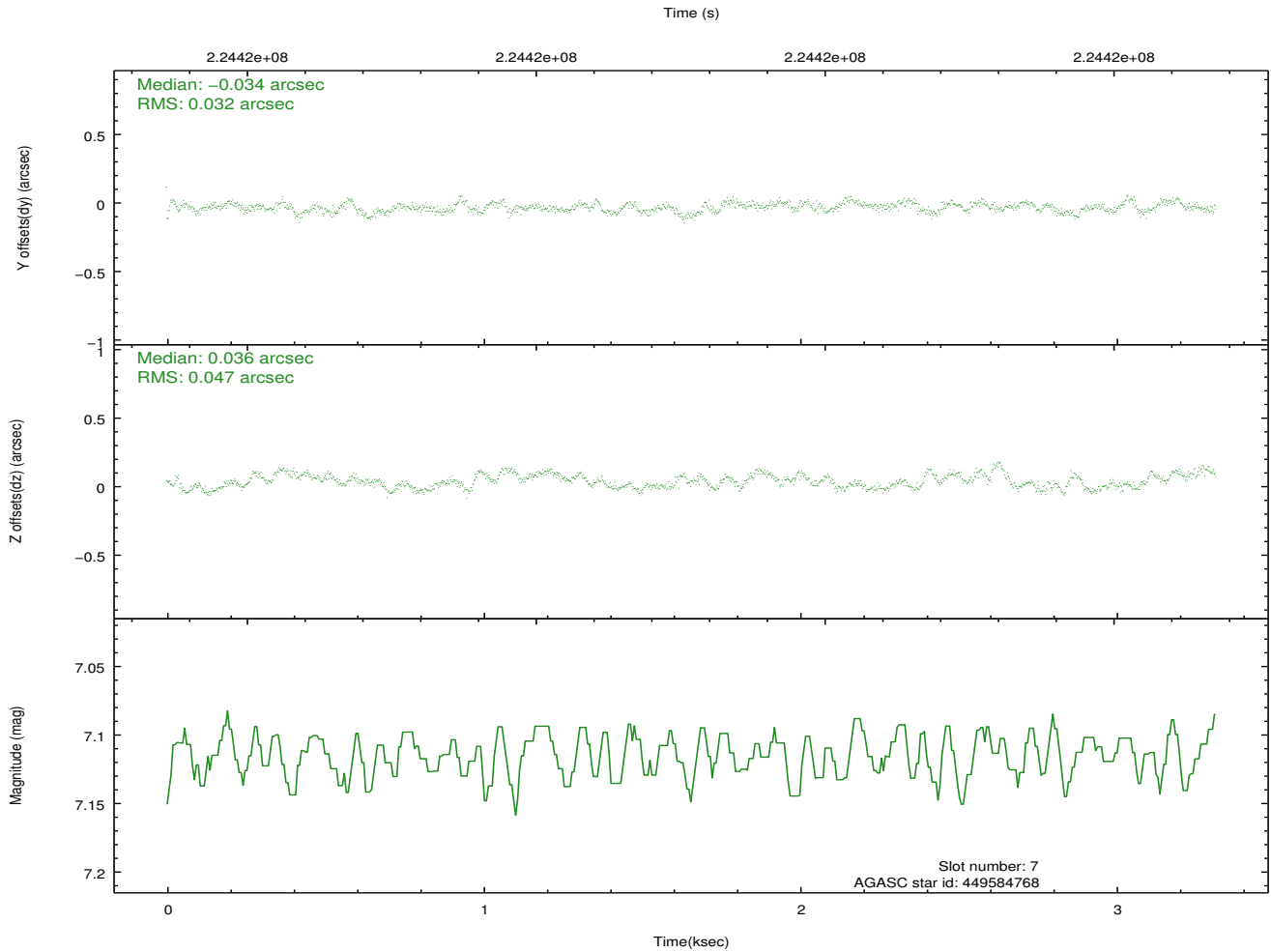
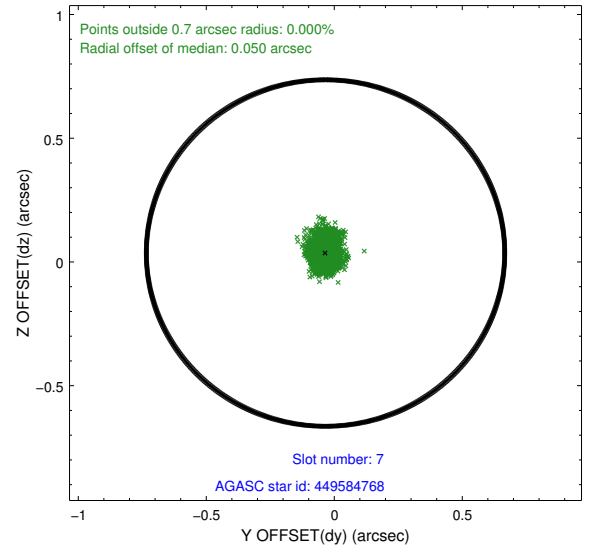
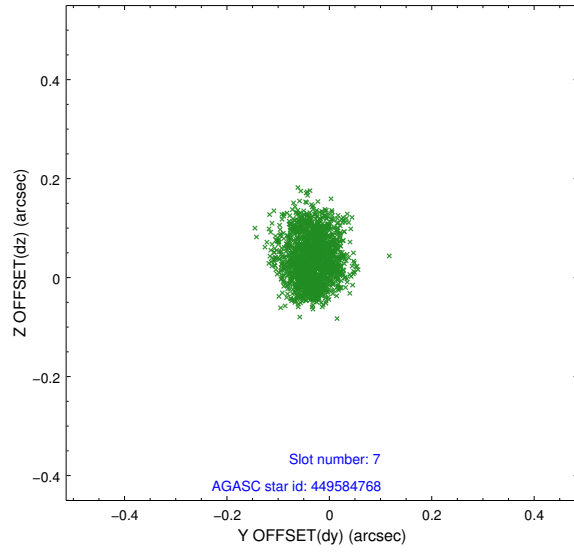
2.4.3 Slot 5



2.4.4 Slot 6

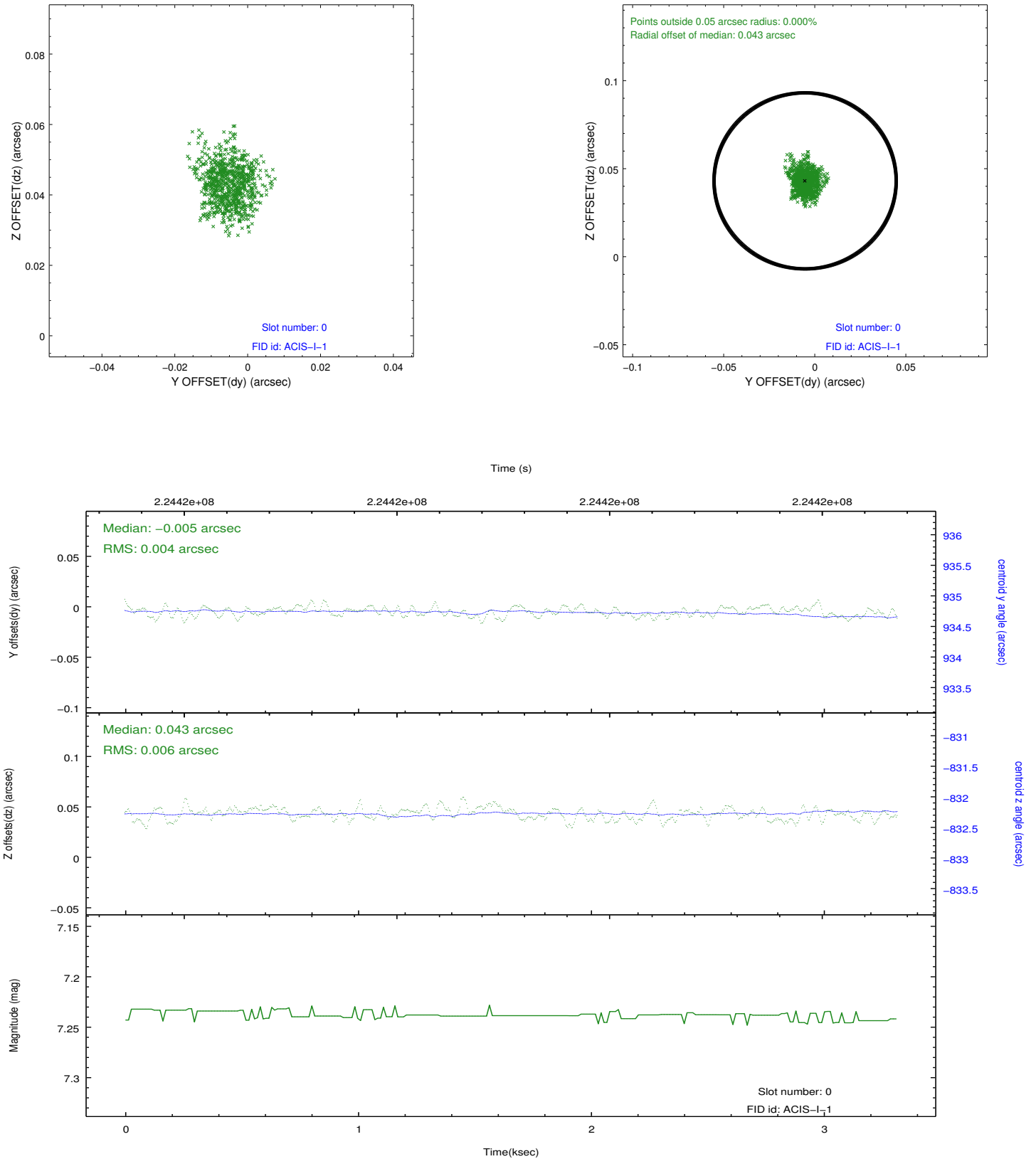


2.4.5 Slot 7

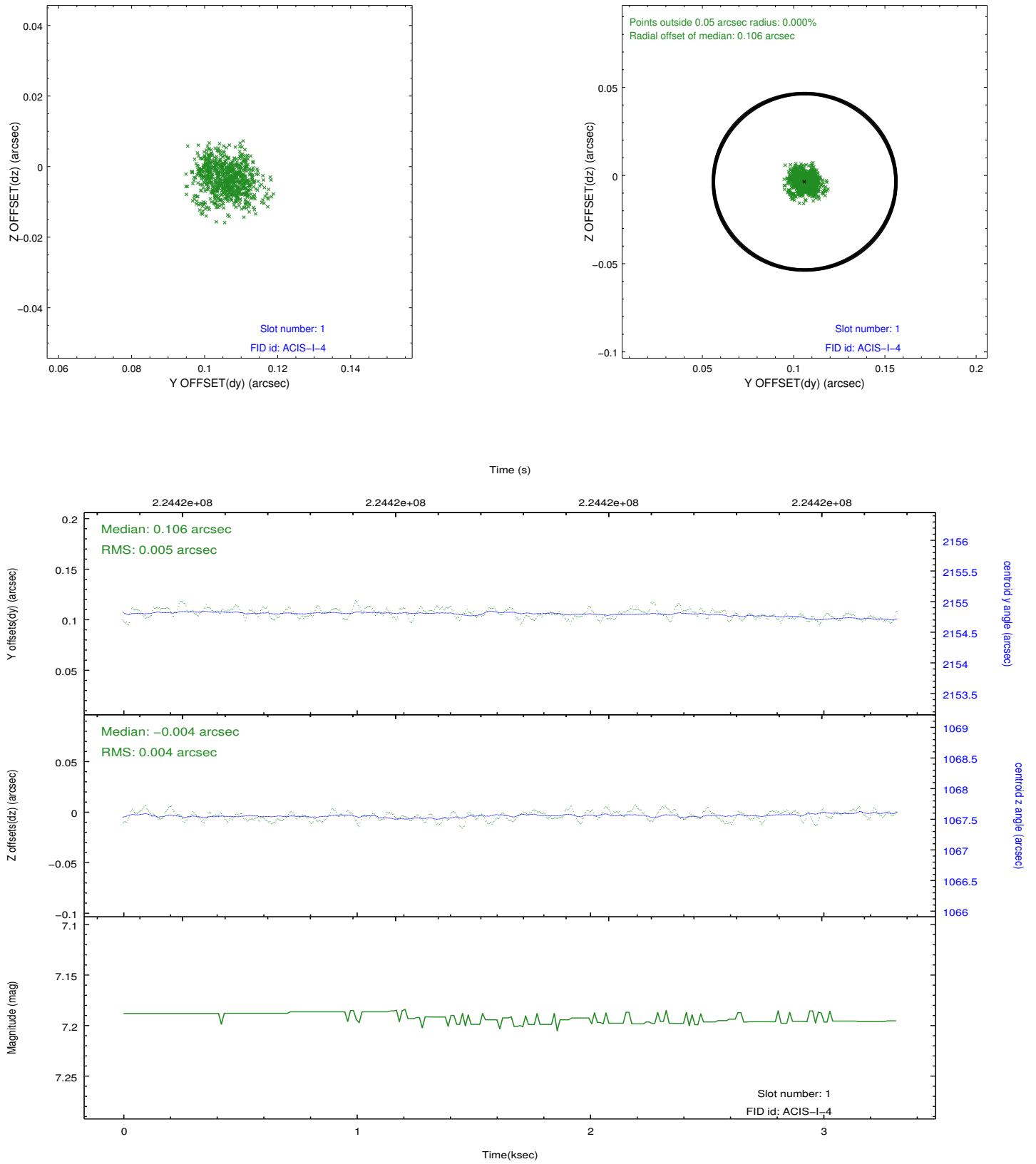


2.5 FID Slots

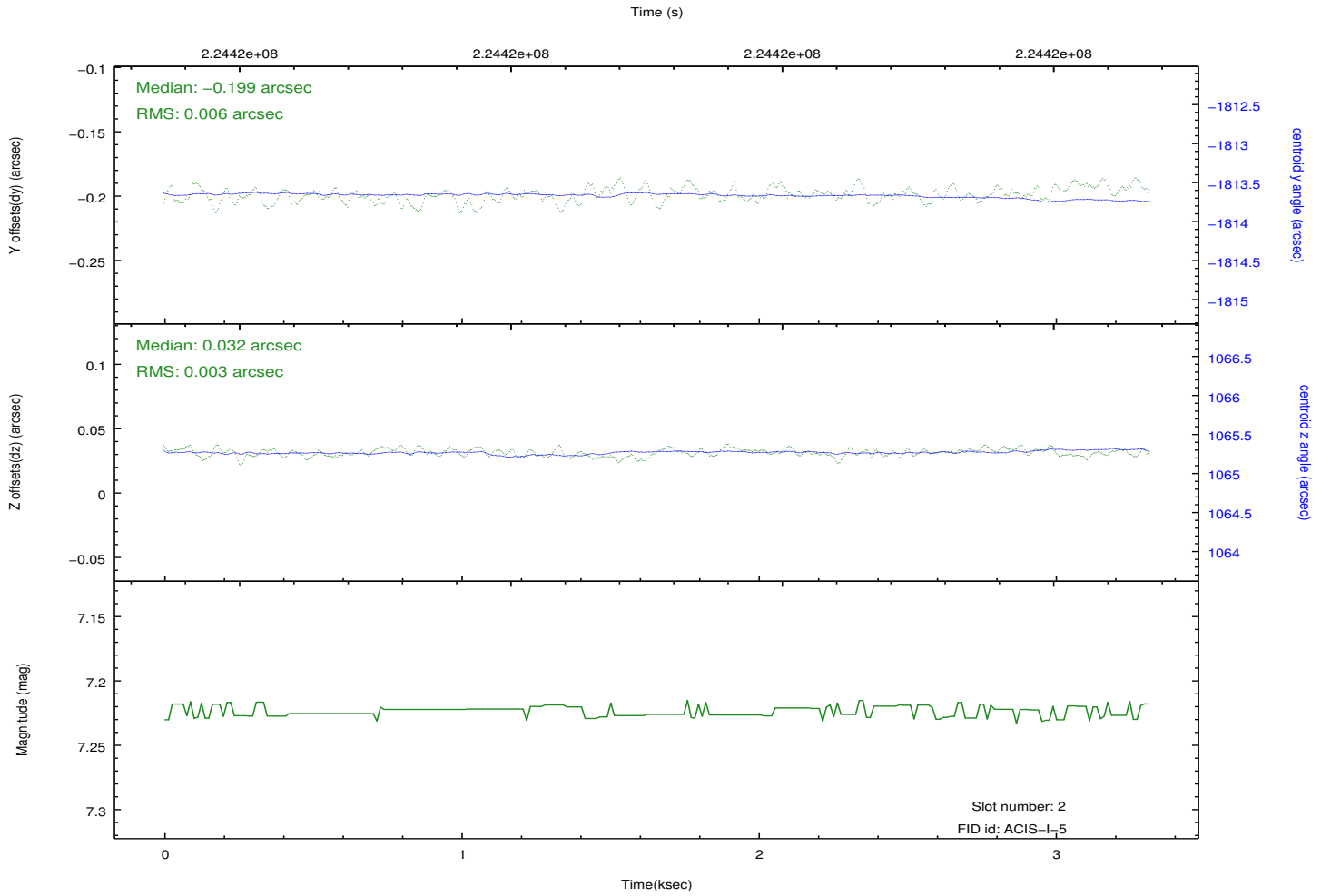
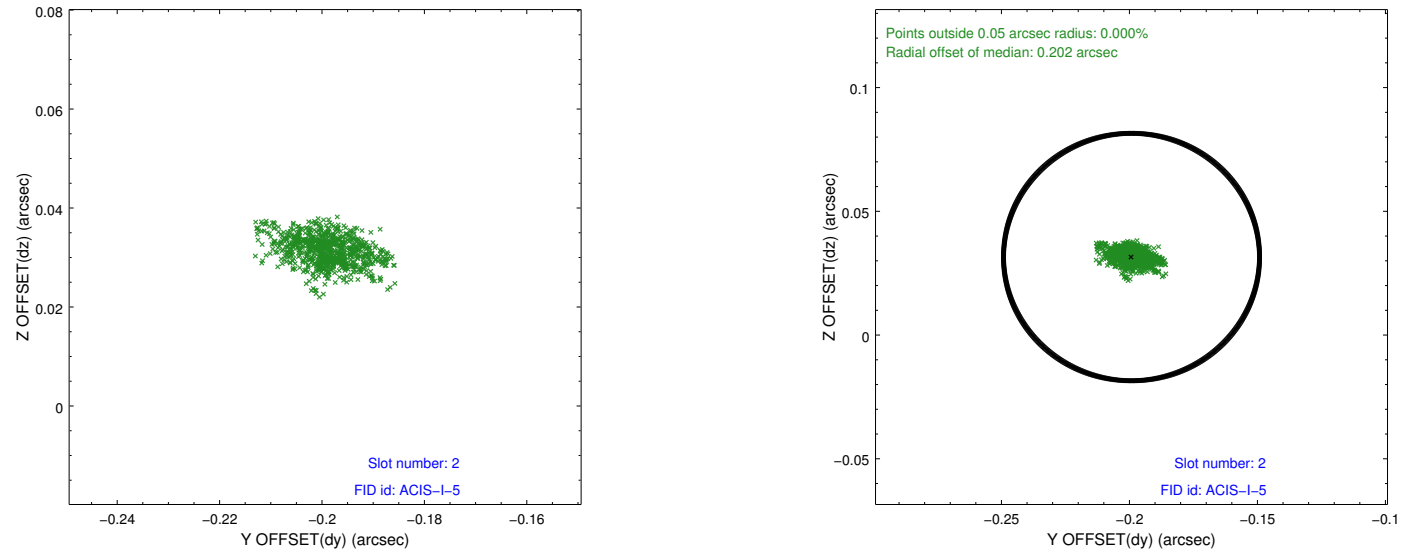
2.5.1 Slot 0



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)	2013.01.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.959999

A.2 Comments