

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2314 - L2 Version 3
Chandra X-Ray Center

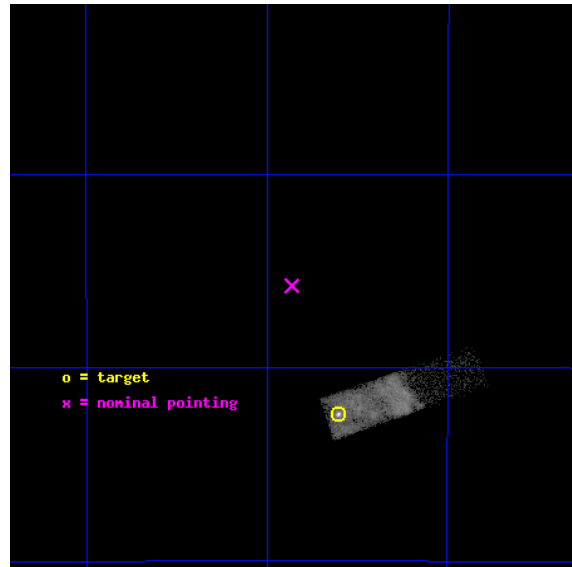
L2 Processing Date : Sep 14 2012

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1 Front

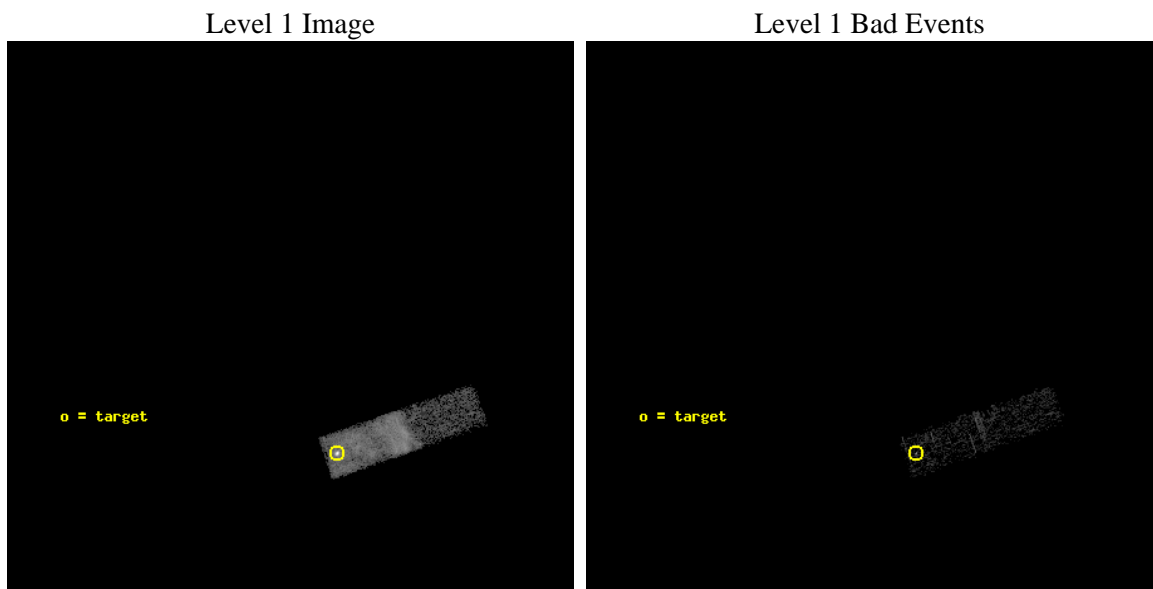
seq_num	500191	Sequence number
obs_id	2314	Observation id
title	OBSERVATION OF SNR RCW103	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	RCW103	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	244.401292	Observer's specified target RA [deg]
dec_targ	-51.0402	Observer's specified target Dec [deg]
ra_nom	244.46579264247	Nominal RA [deg]
dec_nom	-50.929570808864	Nominal Dec [deg]
roll_nom	70.963808955457	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4246.3999841958	Sum of GTIs [s]
liveltime	4039.1895597792	Livetime [s]
ontime3	4246.3999841958	Sum of GTIs [s]
l2events	23642	Number of level 2 events



2 OBI

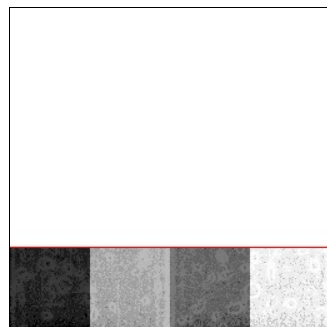
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 3



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4246.3999841958	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime3	4246.3999841958	Sum of GTIs [s]
date	2012-09-14T04:10:08	Date and time of file creation	l1events	32587	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

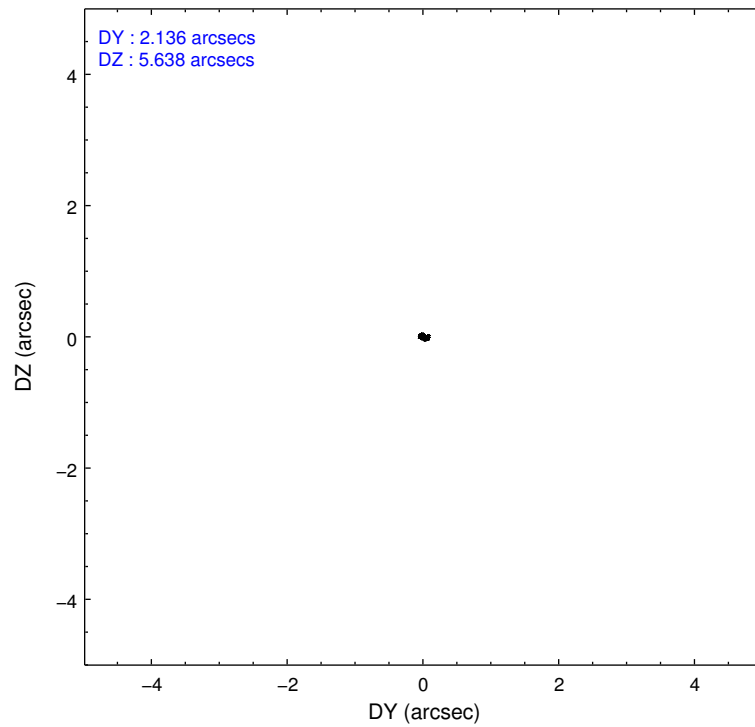
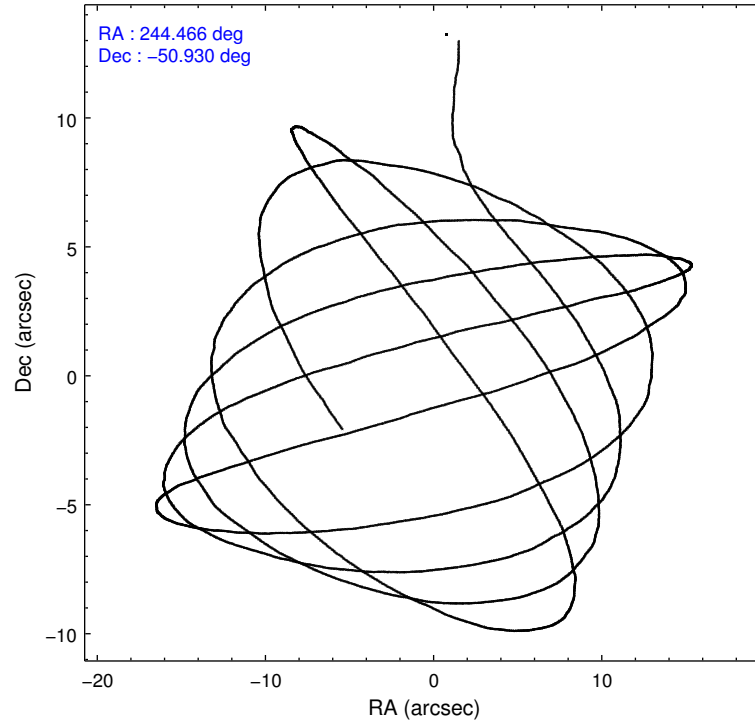
	ccd 3
level 1 events	32587
rejected events	8296
rejected %	25%

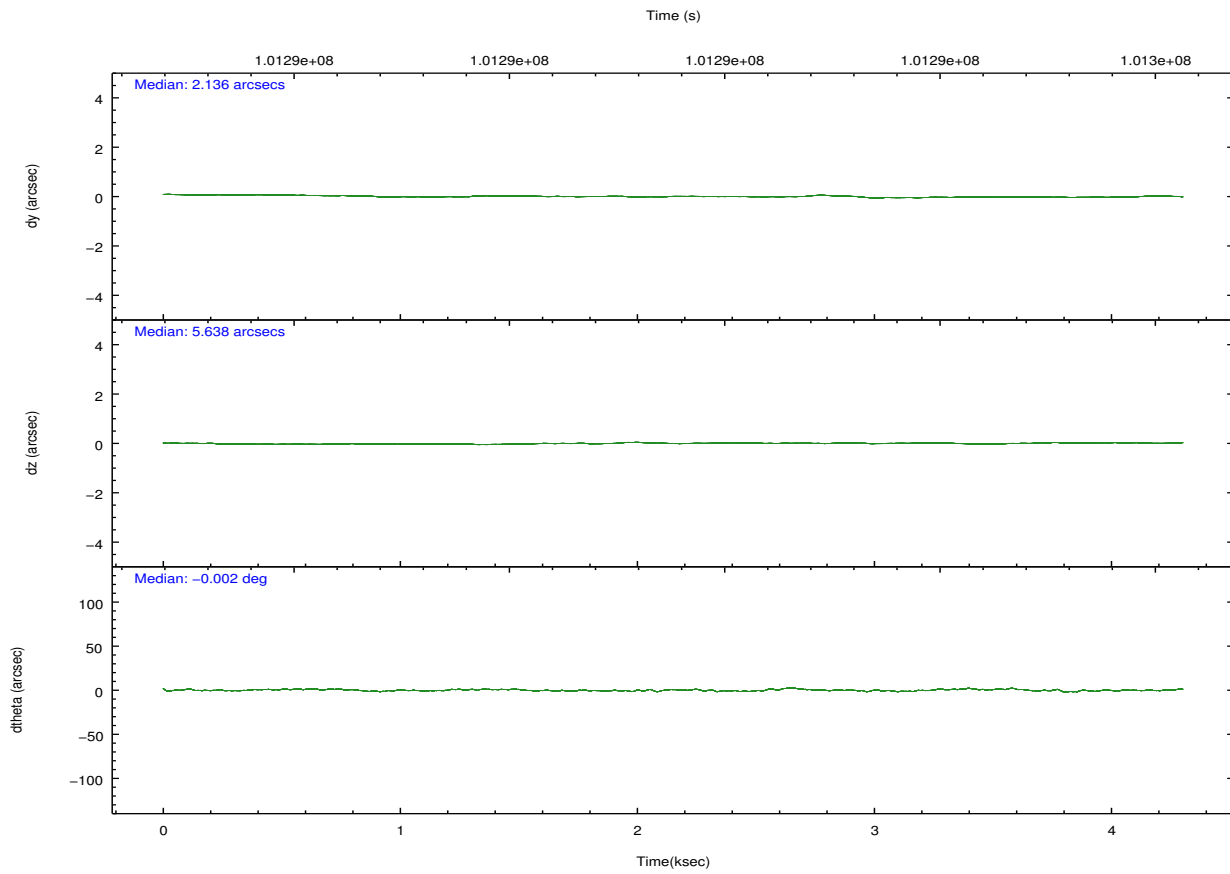
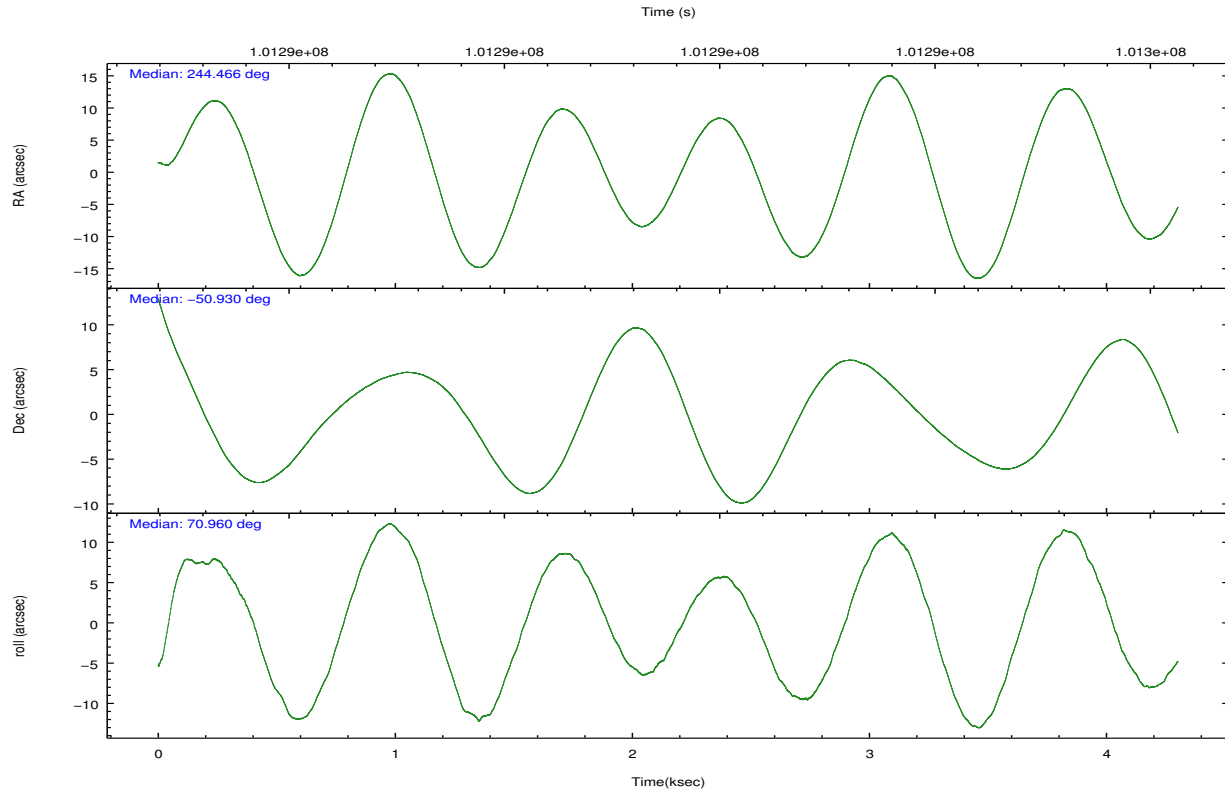
	ccd 3
grade 0 events	20052
	61%
grade 1 events	98
	0%
grade 2 events	2234
	6%
grade 3 events	767
	2%
grade 4 events	752
	2%
grade 5 events	273
	0%
grade 6 events	491
	1%
grade 7 events	7920
	24%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-3	ACIS-3	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	244.474083	244.4657926424707	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	-50.956636	-50.92957080886403	Subarray start row	1	1
[deg] Pointing Roll	70.761584	70.96380895545708	Subarray row count	256	256
[s] Window start time (MET)	99964864.184000	99964864.184000	Alternating exposures requested	N	N
[s] Window stop time (MET)	101692864.184000	101692864.184000	[s] Primary exposure time	0.000000	0.8
[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)	101291410.184000	101290144.2678			
Observation start date	2001-03-18T08:29:06	2001-03-18T08:09:04			
[s] Observation end time (MET)	101294910.184000	101295581.38051			
Observation end date	2001-03-18T09:27:26	2001-03-18T09:39:41			
Read mode	TIMED	TIMED			

2.3 Aspect



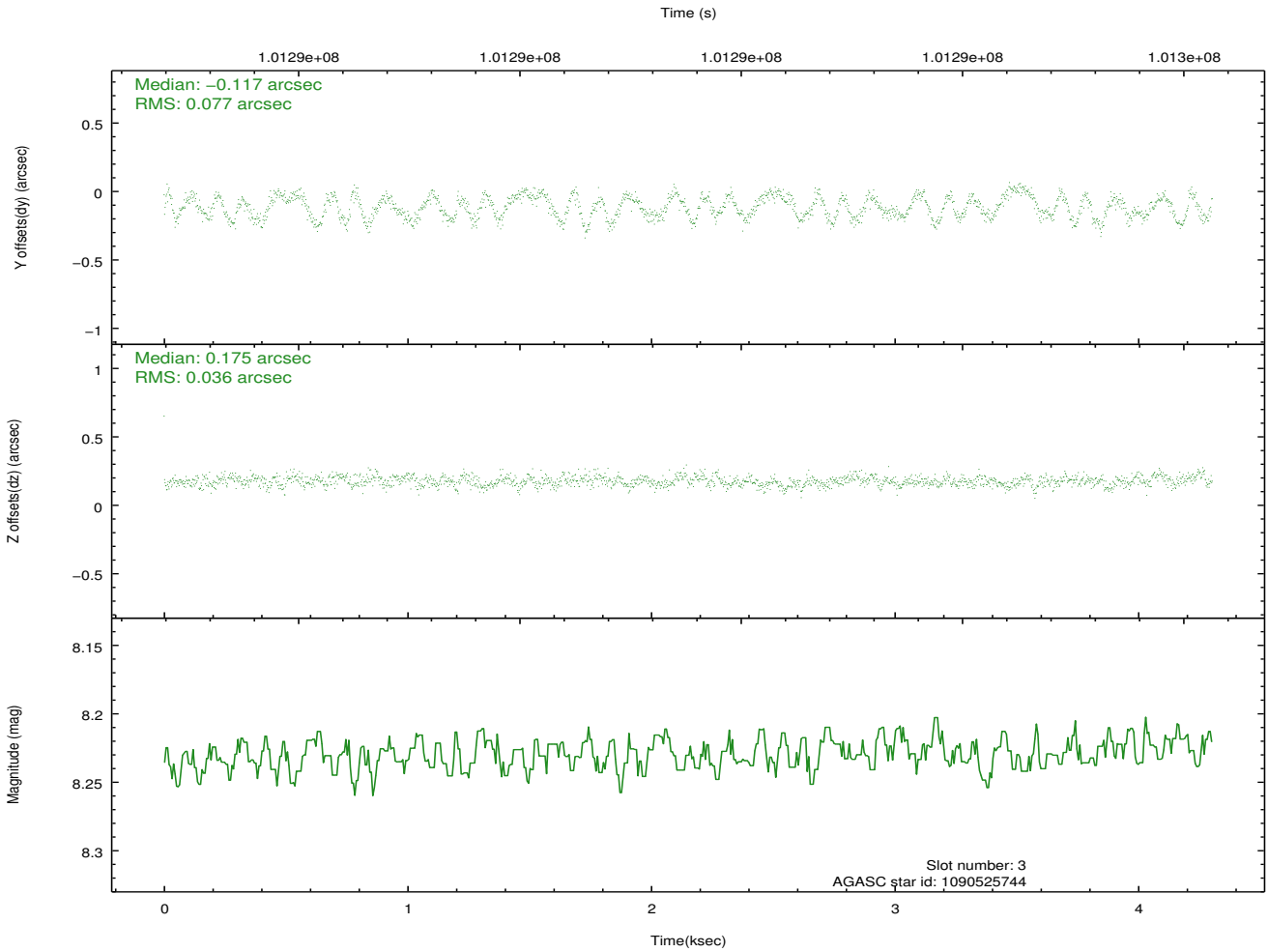
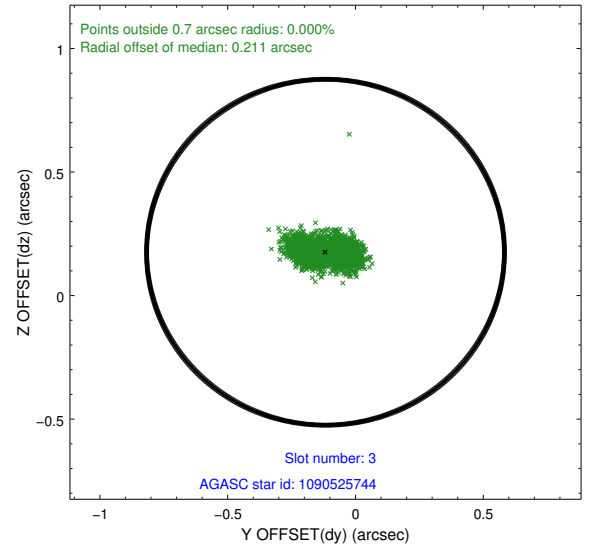
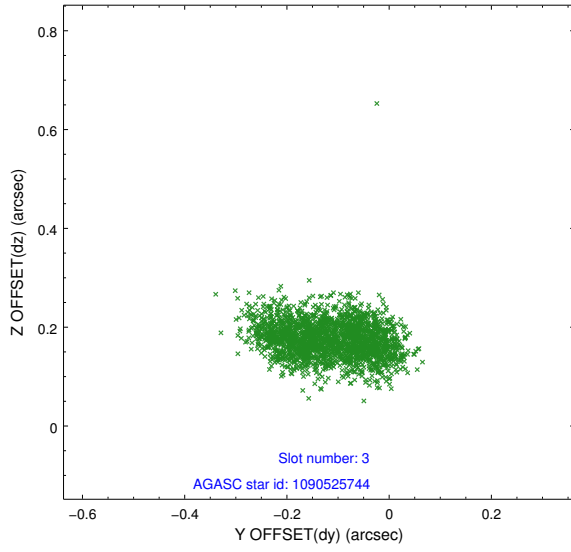


Slot Statistics

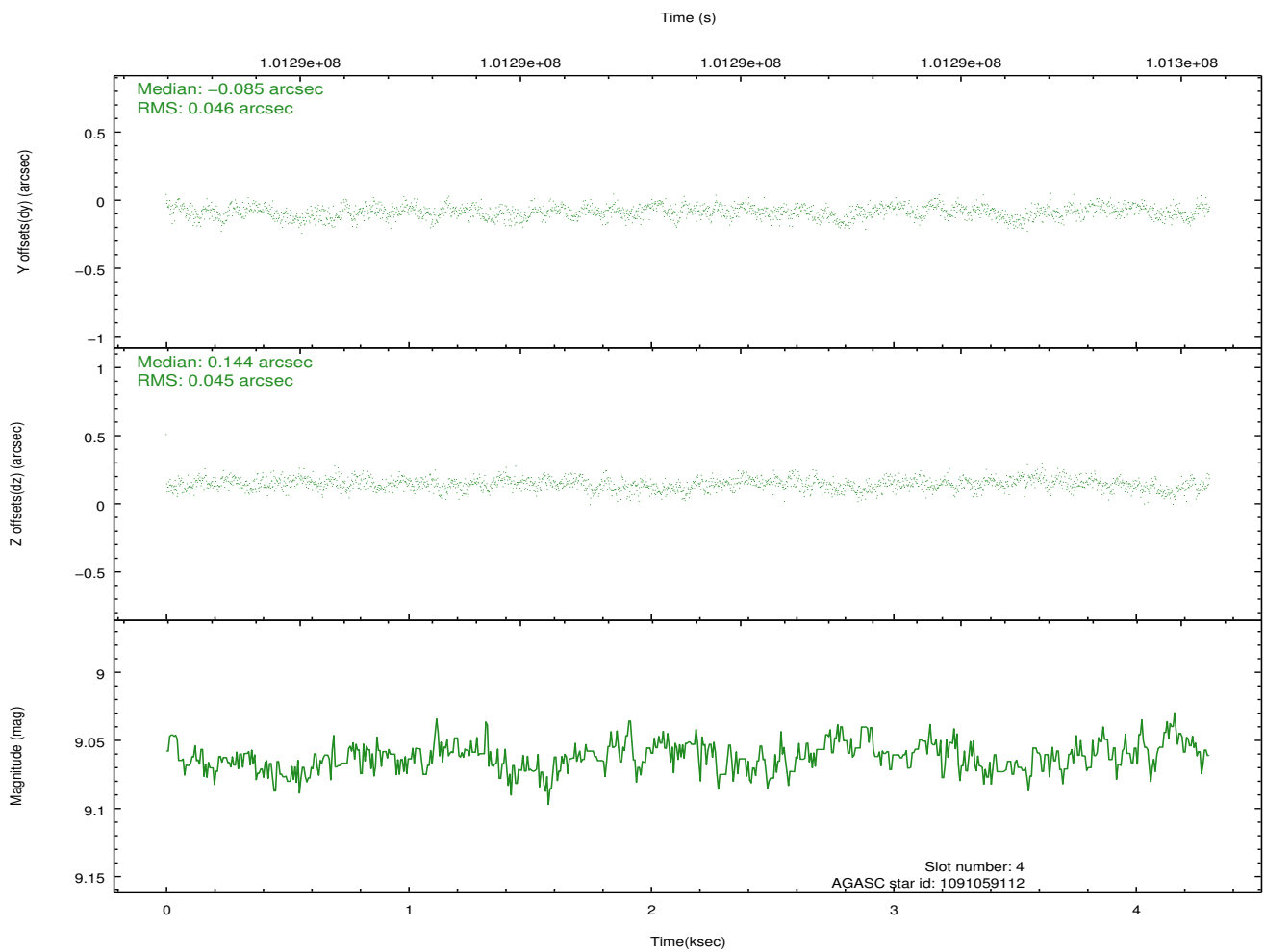
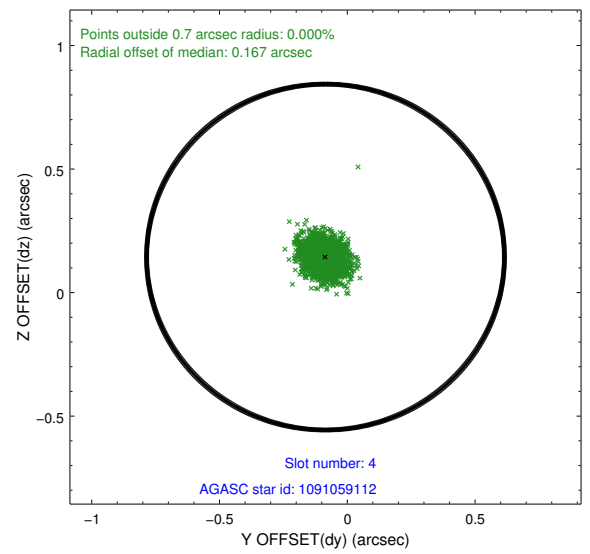
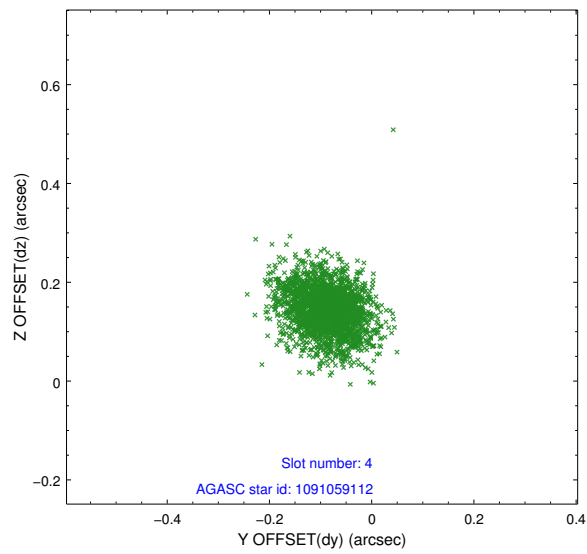
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.16	1050	-0.031	-0.059	0.016	0.028	0.000000	0.000000	-756.53	-835.41
1	FID	ACIS-I-4	7.18	1050	-0.008	0.042	0.014	0.029	0.000000	0.000000	2156.90	1070.14
2	FID	ACIS-I-5	7.23	1050	-0.060	0.085	0.017	0.029	0.000000	0.000000	-1808.53	1069.68
3	GUIDE	1090525744	8.23	2100	-0.117	0.175	0.093	0.142	245.649389	-50.543894	2269.42	-2056.44
4	GUIDE	1091059112	9.06	2100	-0.085	0.144	0.069	0.111	245.180420	-50.736664	1272.47	-1262.44
5	GUIDE	1090922592	8.69	2100	0.017	-0.361	0.087	0.135	243.541382	-50.784876	-127.60	2201.77
6	GUIDE	1090916640	8.91	2100	0.224	0.132	0.070	0.109	244.322461	-51.464734	-1838.48	-281.33
7	GUIDE	1090921280	9.08	2097	-0.031	-0.087	0.063	0.102	244.365071	-50.638328	999.52	611.71

2.4 Star Slots

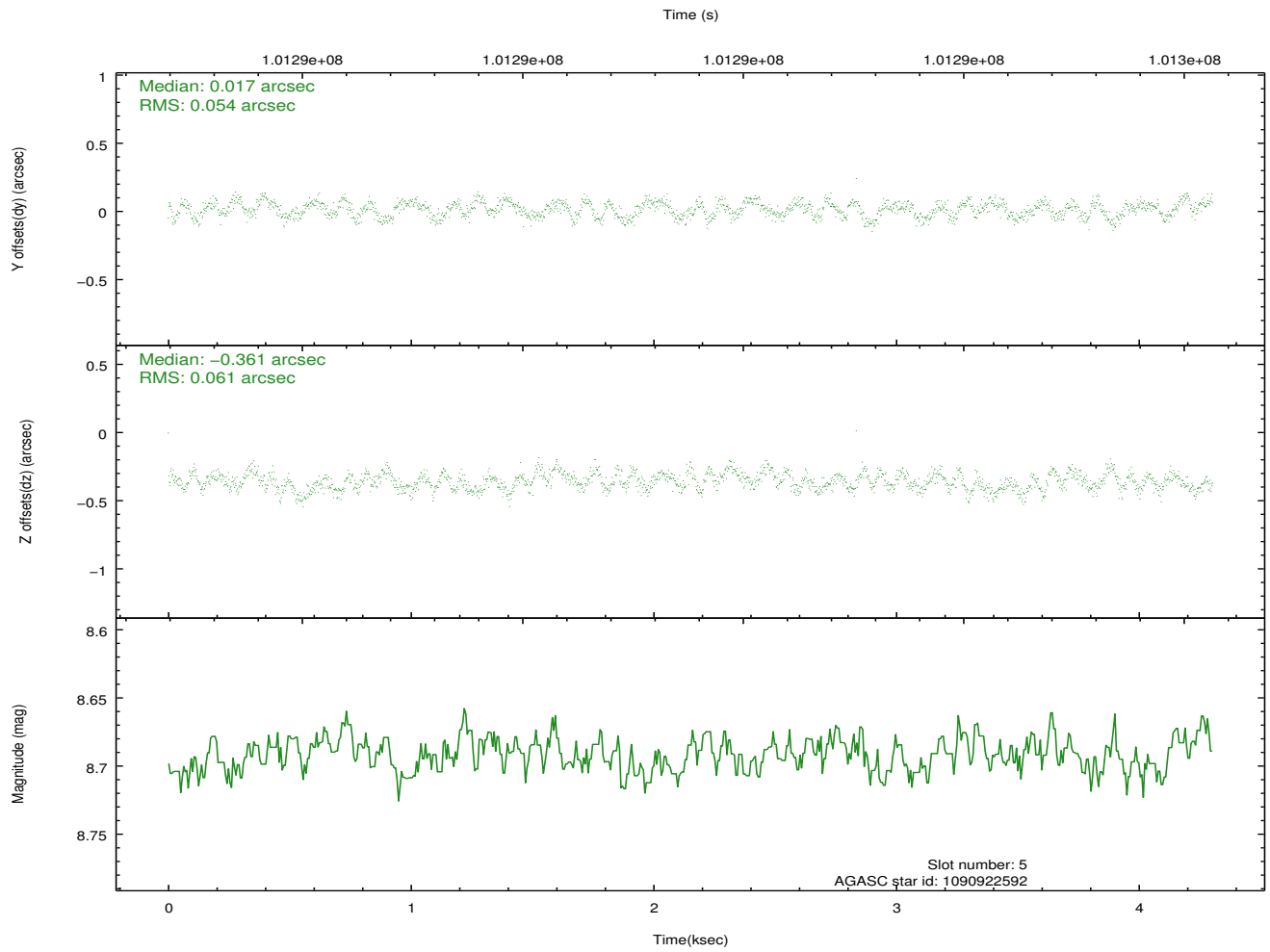
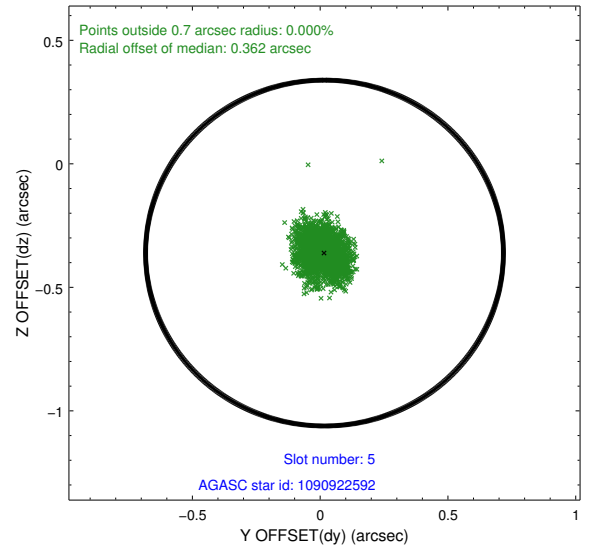
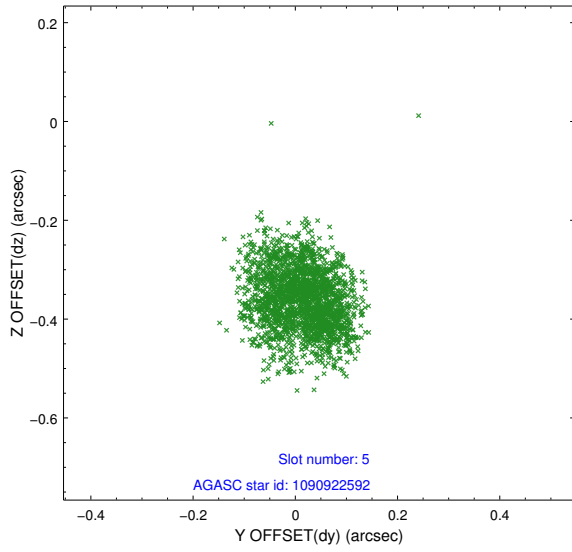
2.4.1 Slot 3



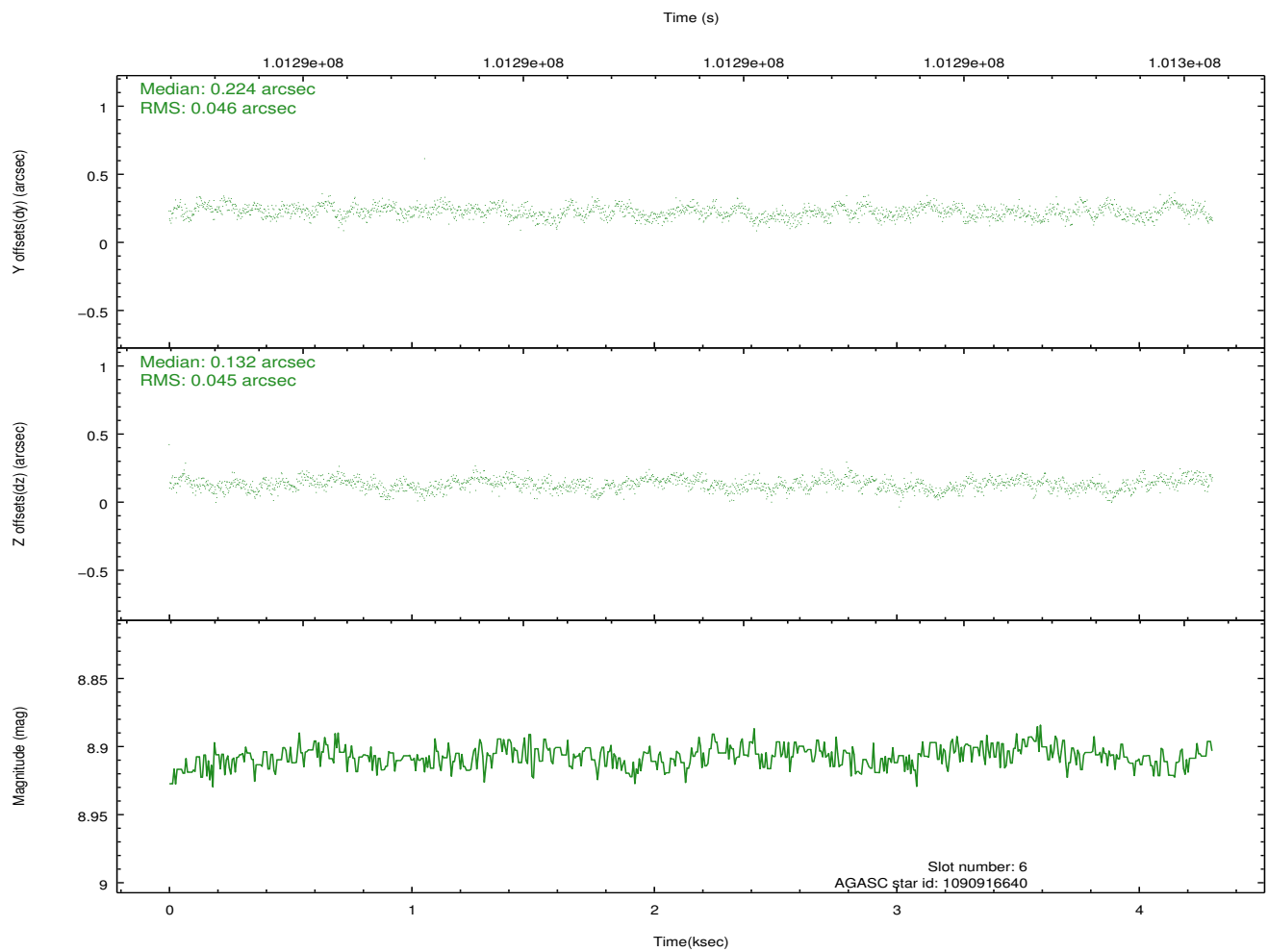
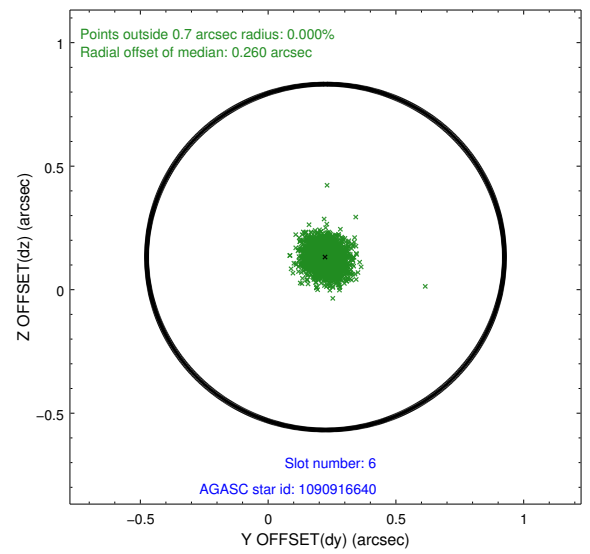
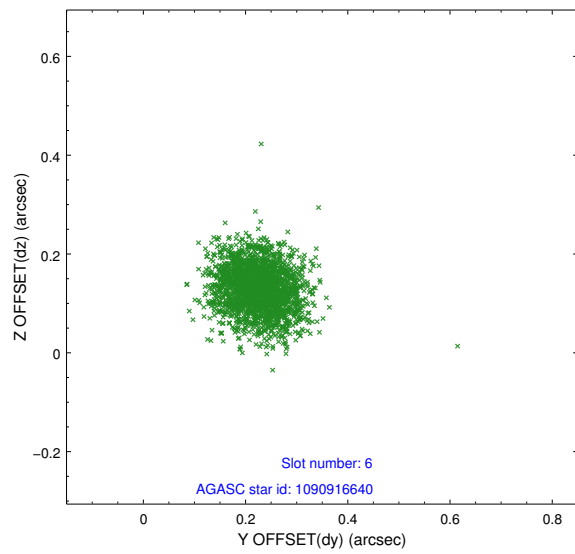
2.4.2 Slot 4



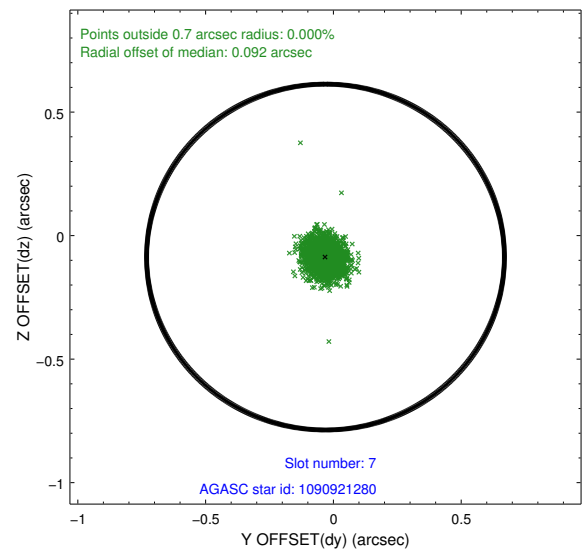
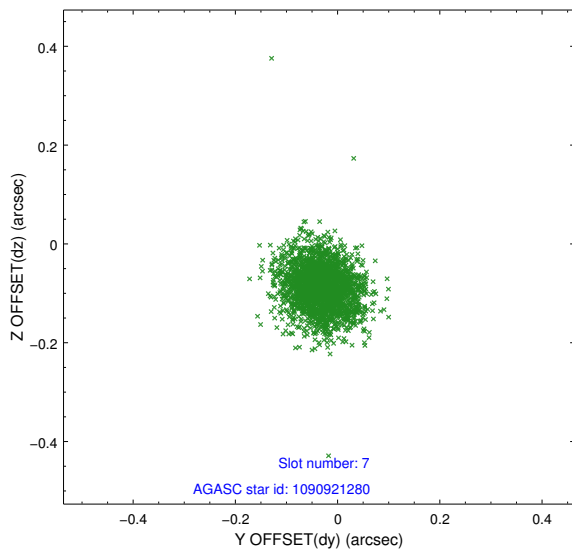
2.4.3 Slot 5



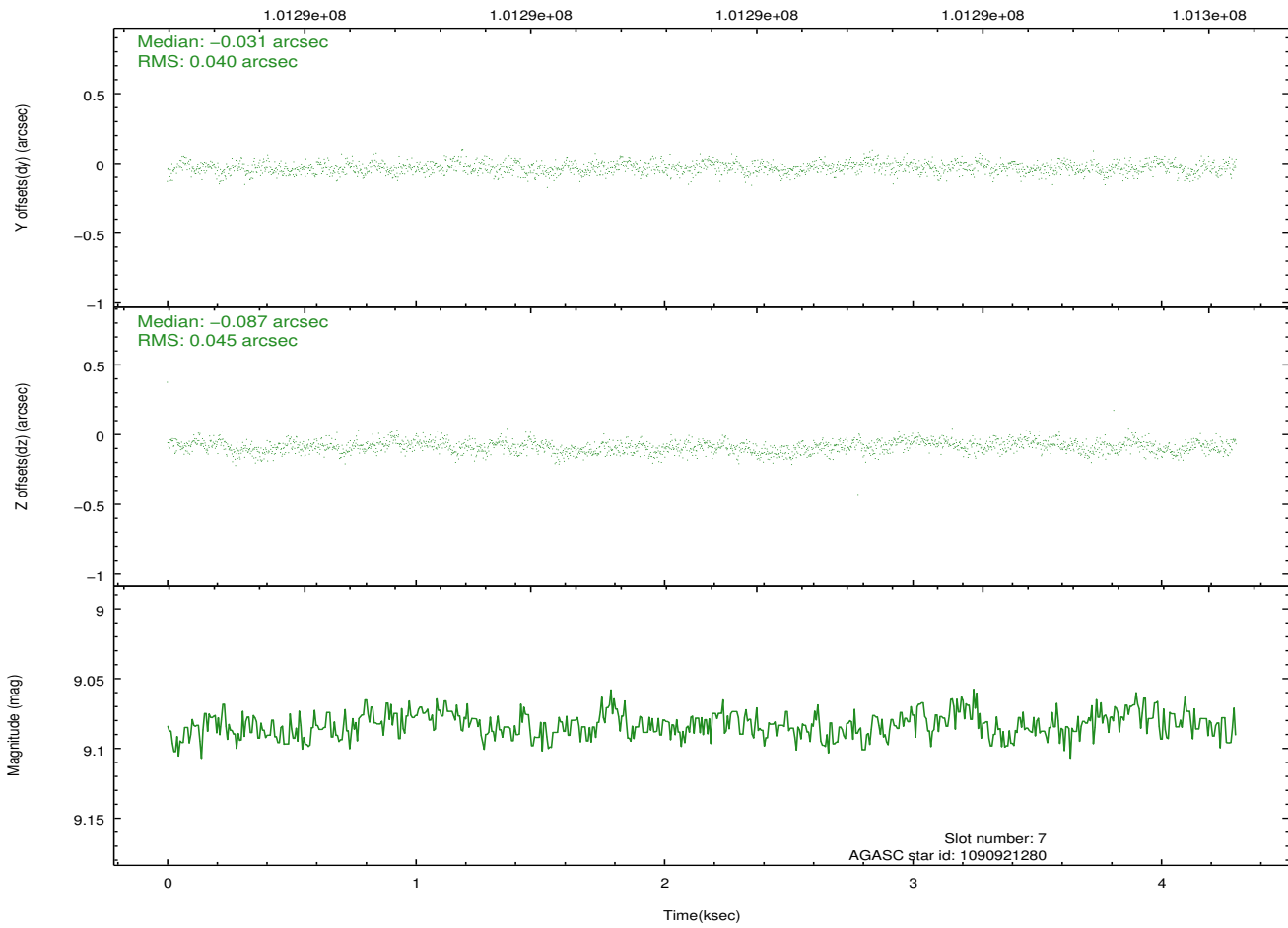
2.4.4 Slot 6



2.4.5 Slot 7

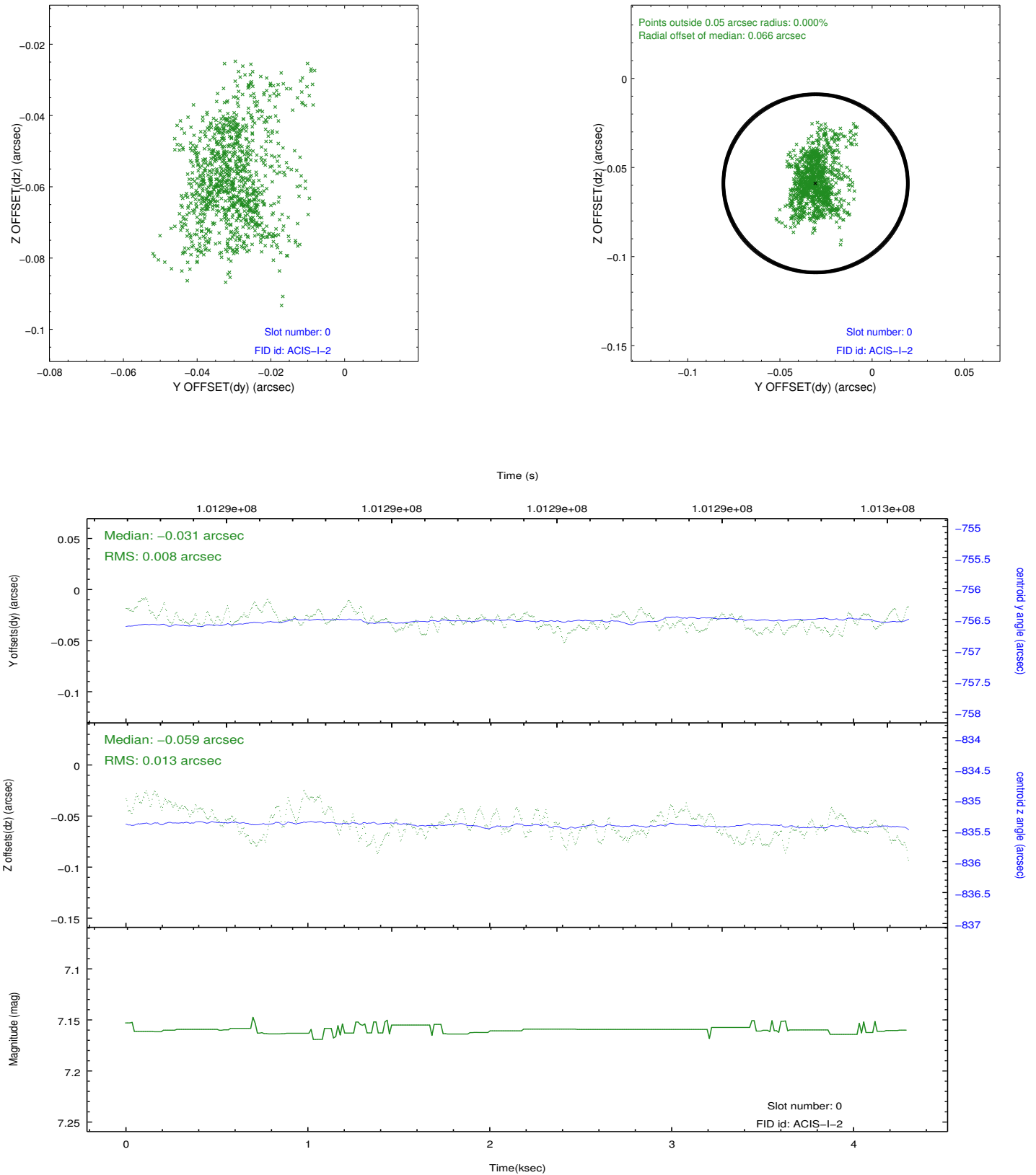


Time (s)

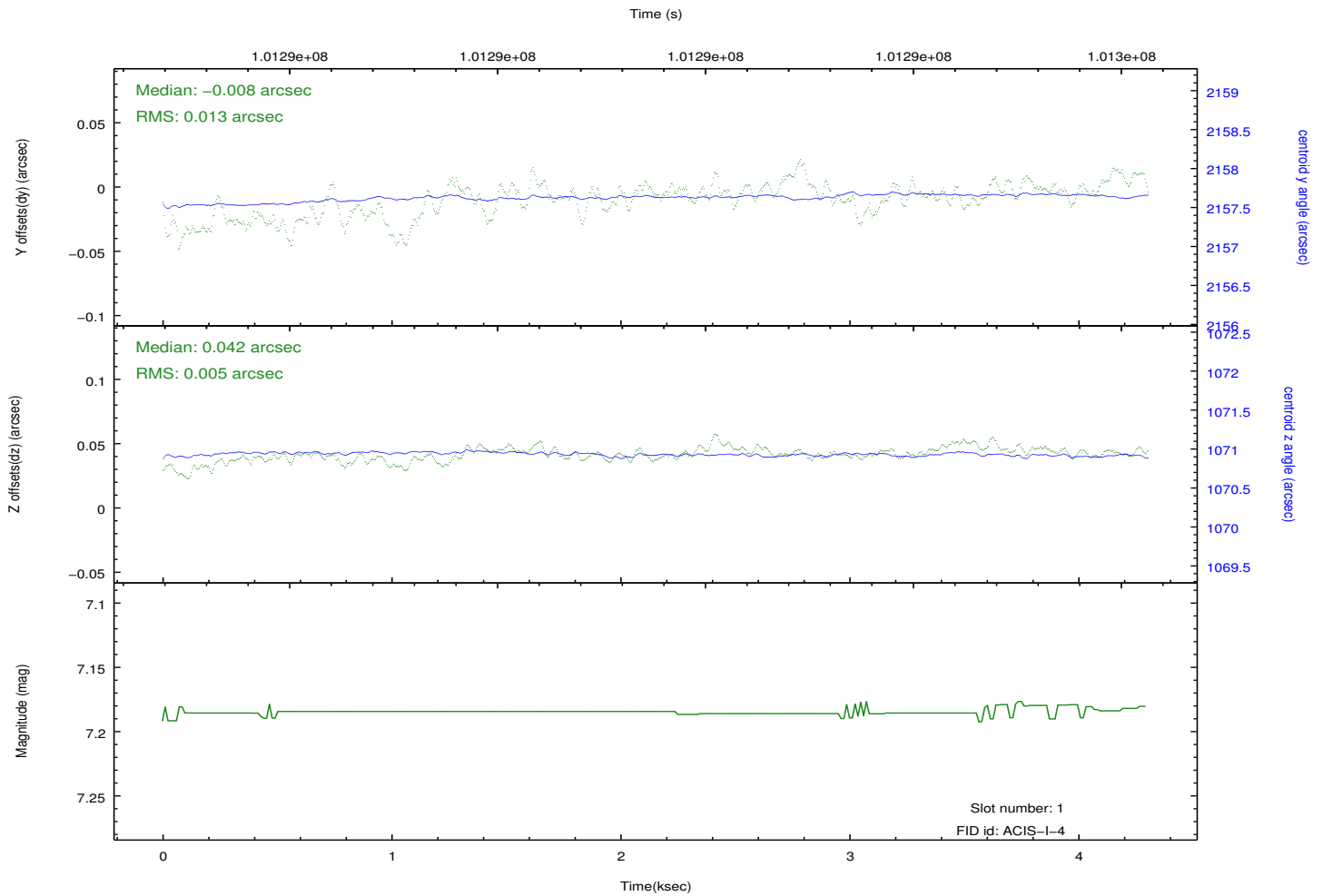
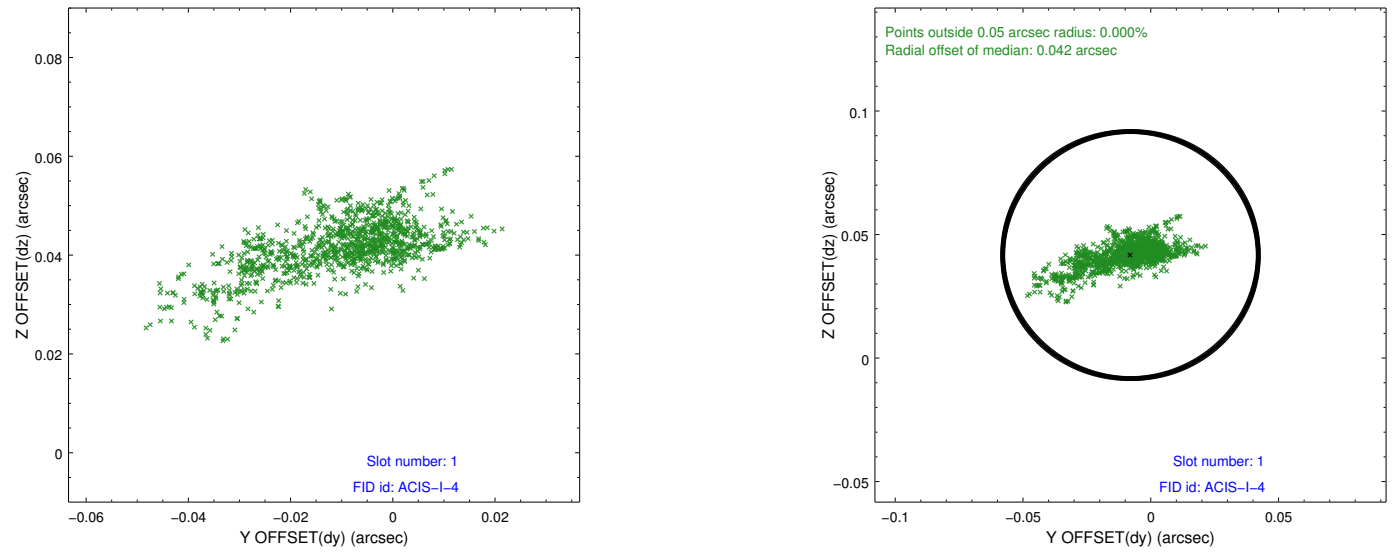


2.5 FID Slots

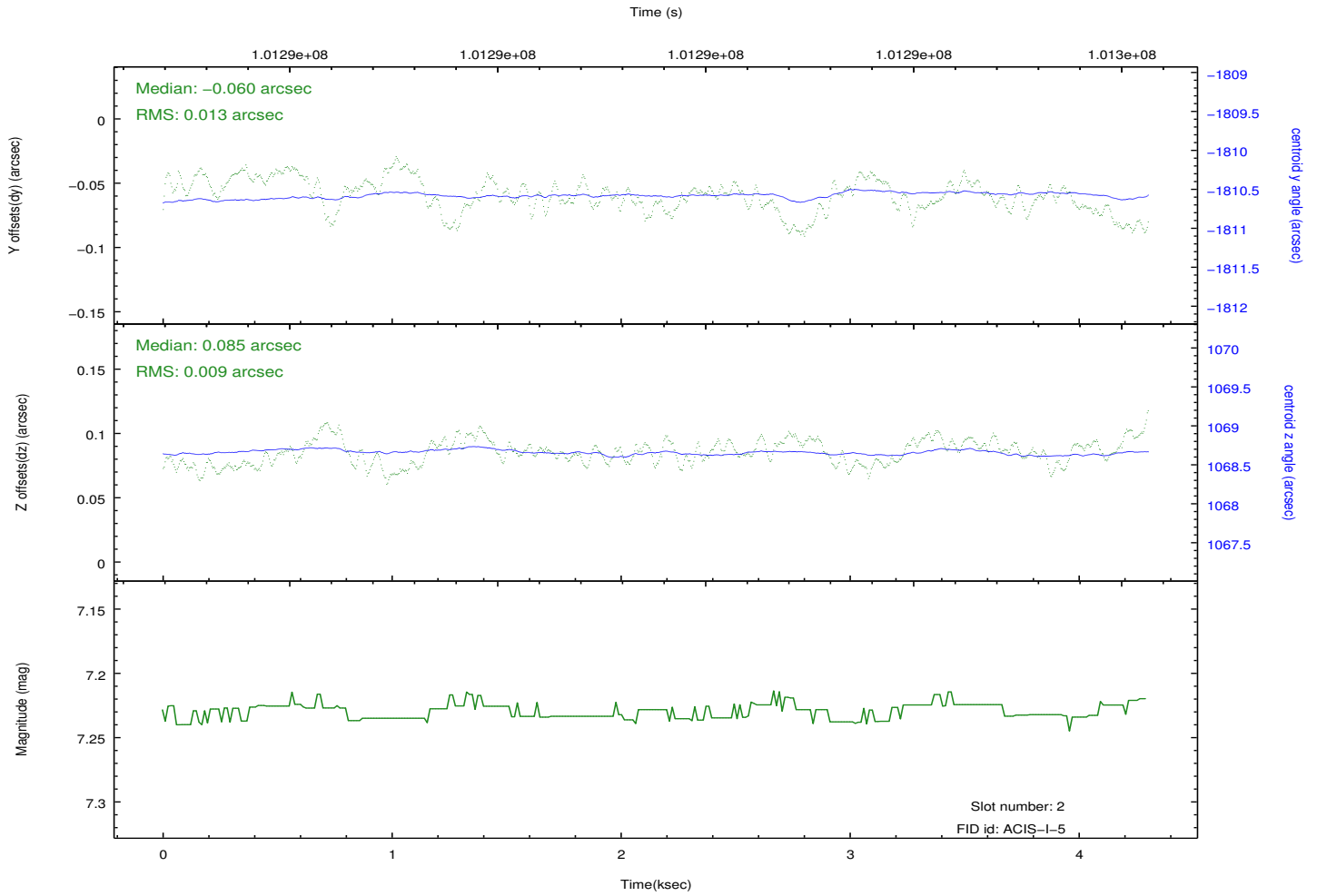
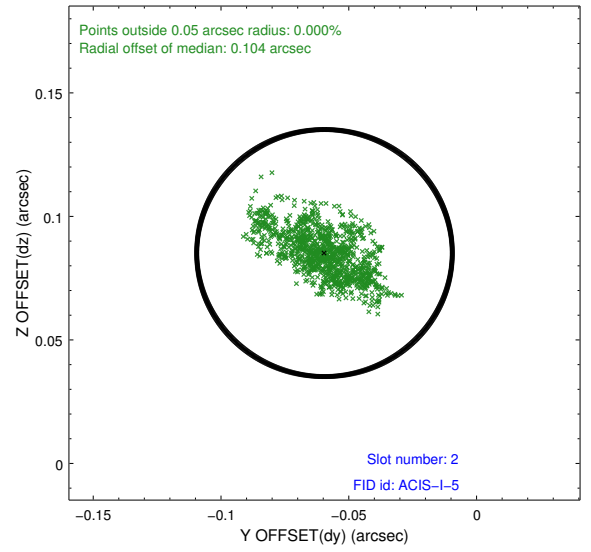
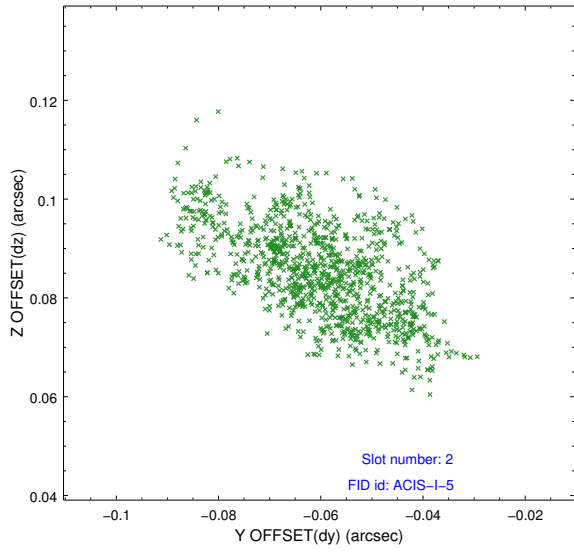
2.5.1 Slot 0



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)	2012.09.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.247

A.2 Comments

Window constraint met. The target and chip are away from the aimpoint.