

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1040 - L2 Version 3
Chandra X-Ray Center

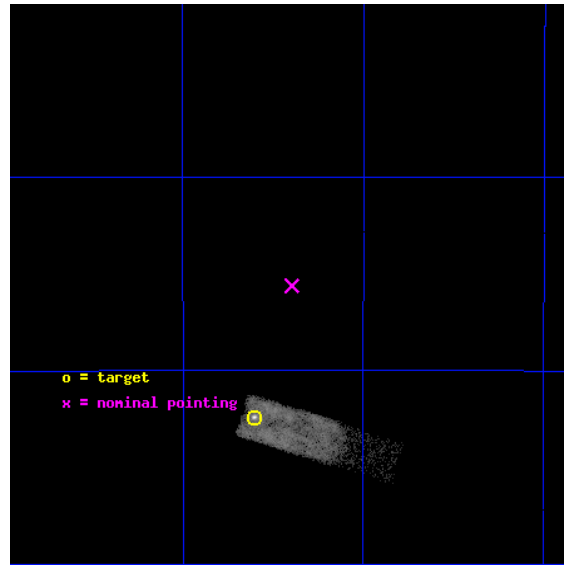
L2 Processing Date : Sep 6 2012

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

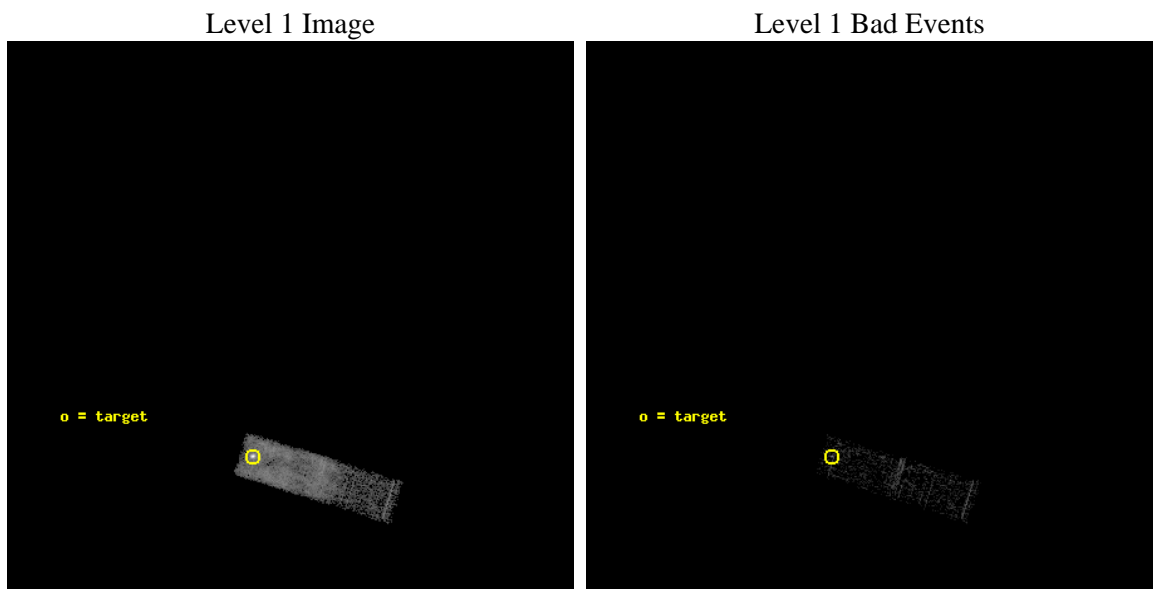
seq_num	500106	Sequence number
obs_id	1040	Observation id
title	OBSERVATION OF SNR RCW103	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	RCW103	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	244.401292	Observer's specified target RA [deg]
dec_targ	-51.0402	Observer's specified target Dec [deg]
ra_nom	244.34903712317	Nominal RA [deg]
dec_nom	-50.927110984501	Nominal Dec [deg]
roll_nom	107.28201443375	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3867.1589655131	Sum of GTIs [s]
liveltime	3678.4542618787	Livetime [s]
ontime3	3867.1589655131	Sum of GTIs [s]
l2events	20149	Number of level 2 events



2 OBI

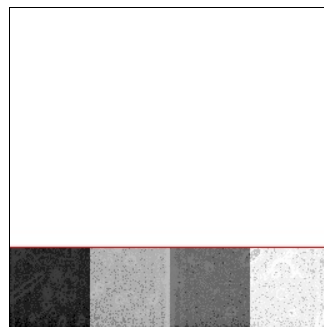
2.1 OBI

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	3867.1589655131	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime3	3867.1589655131	Sum of GTIs [s]
date	2012-09-06T11:08:27	Date and time of file creation	l1events	29511	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

	ccd 3
level 1 events	29511
rejected events	8897
rejected %	30%

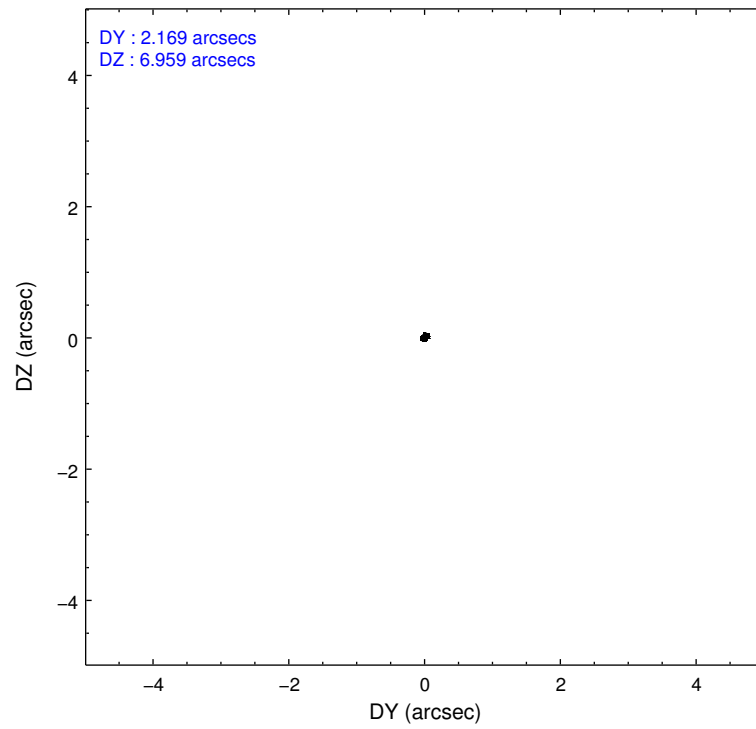
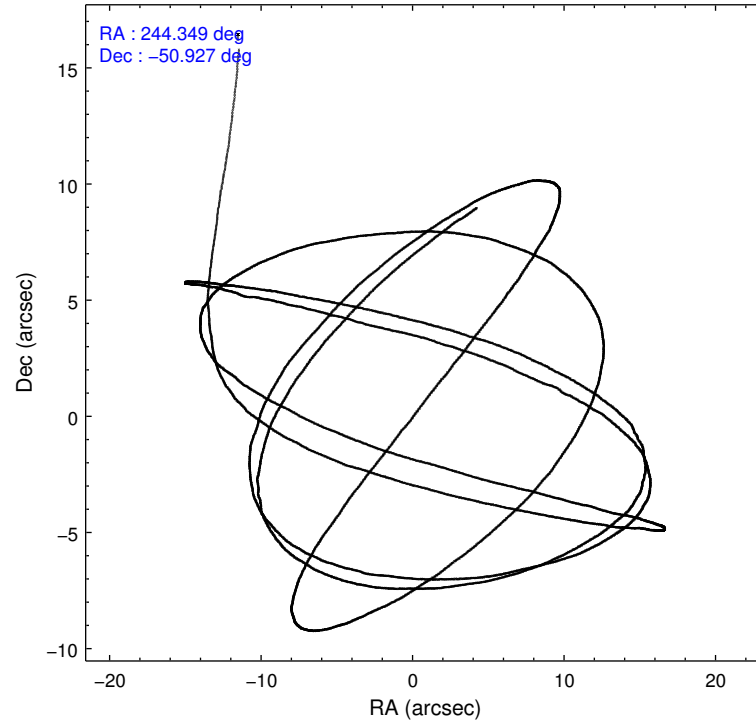
	ccd 3
grade 0 events	17713
	60%
grade 1 events	58
	0%
grade 2 events	2023
	6%
grade 3 events	735
	2%
grade 4 events	712
	2%
grade 5 events	263
	0%
grade 6 events	452
	1%
grade 7 events	7555
	25%

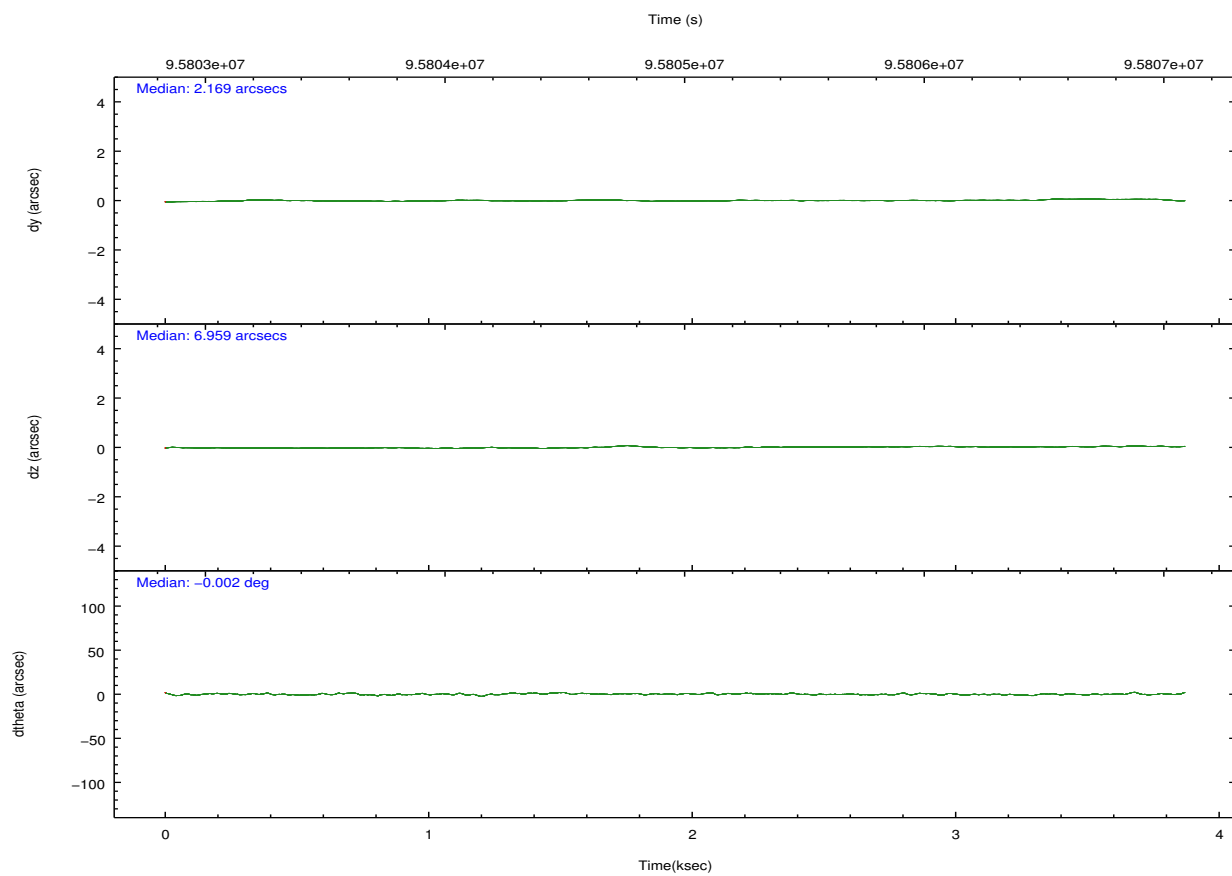
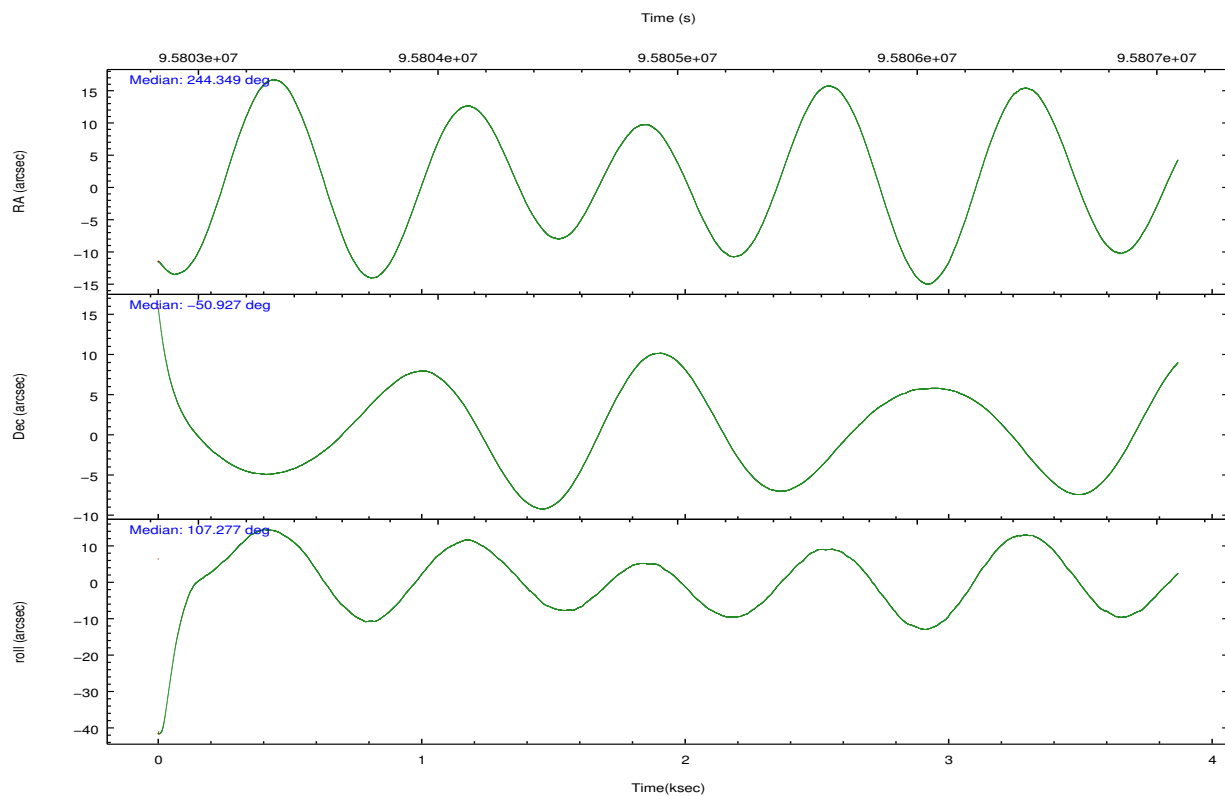
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-3	ACIS-3
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	244.381152	244.349037123165
[deg] Pointing Dec	-50.945751	-50.92711098450134
[deg] Pointing Roll	107.098445	107.2820144337454
[s] Window start time (MET)	95472064.184000	95472064.184000
[s] Window stop time (MET)	97200064.184000	97200064.184000
[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)	95803394.184000	95802326.856261
Observation start date	2001-01-13T20:02:10	2001-01-13T19:45:26
[s] Observation end time (MET)	95806894.184000	95807633.793965
Observation end date	2001-01-13T21:00:30	2001-01-13T21:13:53
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	CUSTOM	1/4
Subarray start row	1	1
Subarray row count	256	256
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	0.8

2.3 Aspect



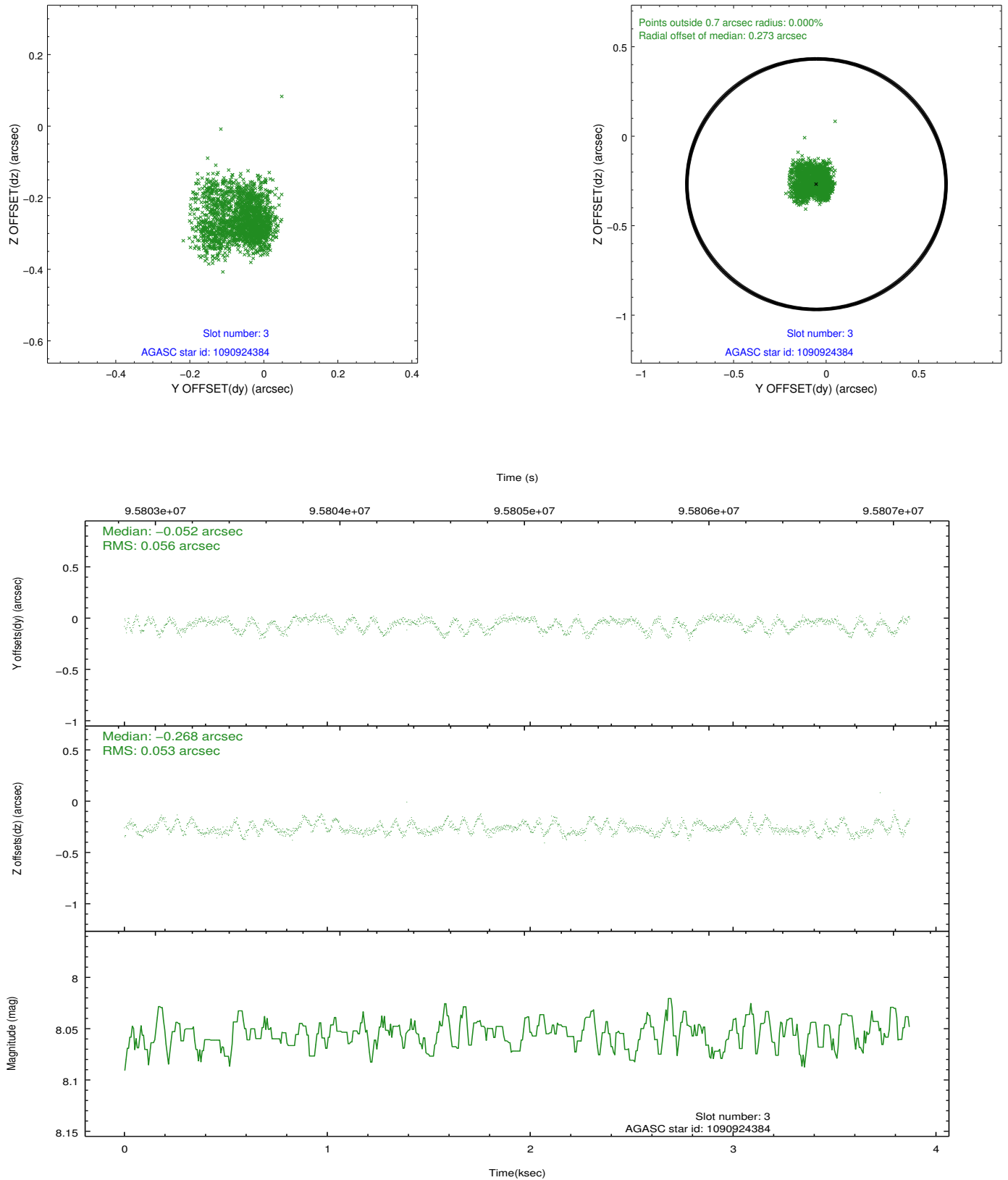


Slot Statistics

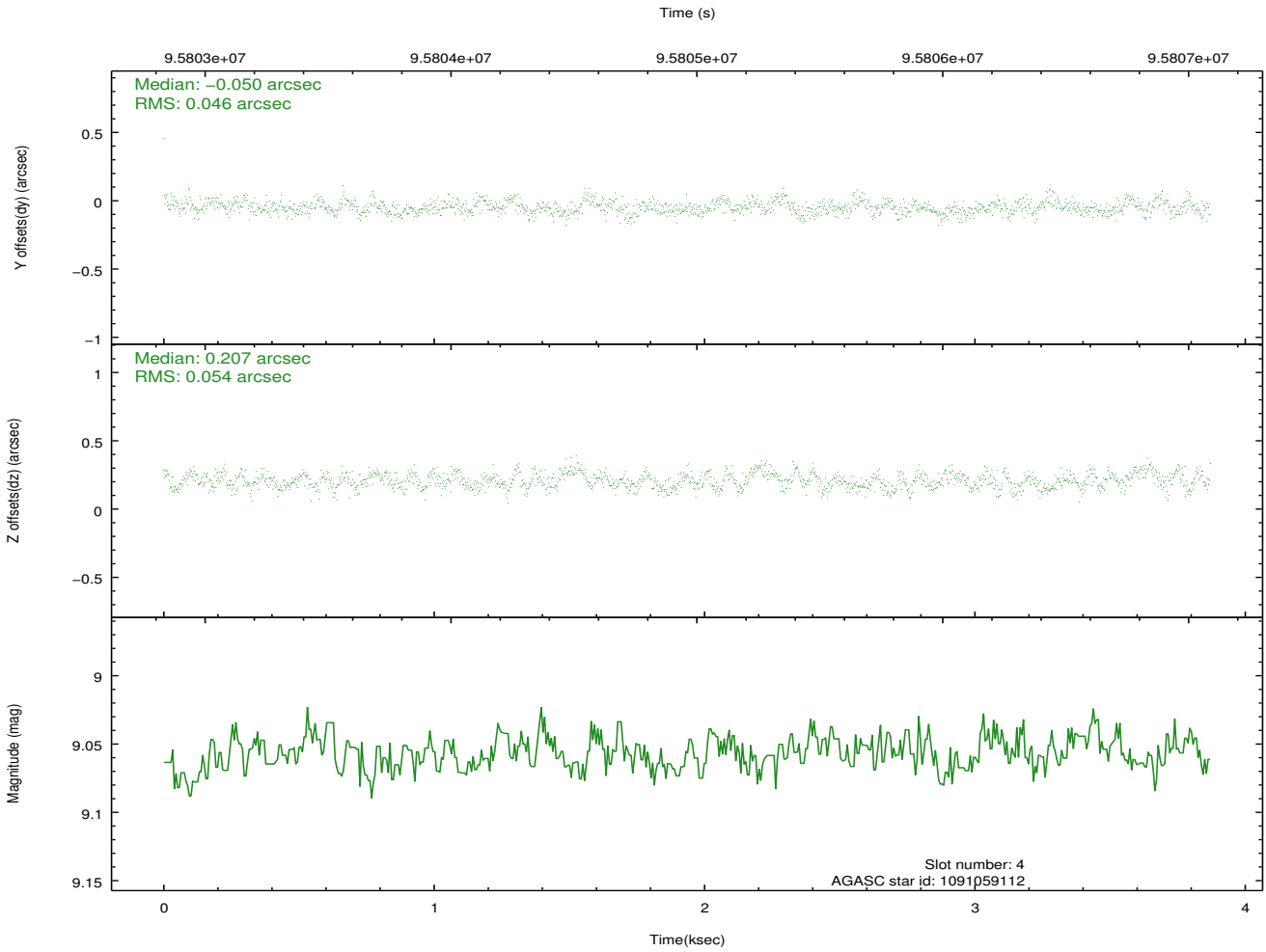
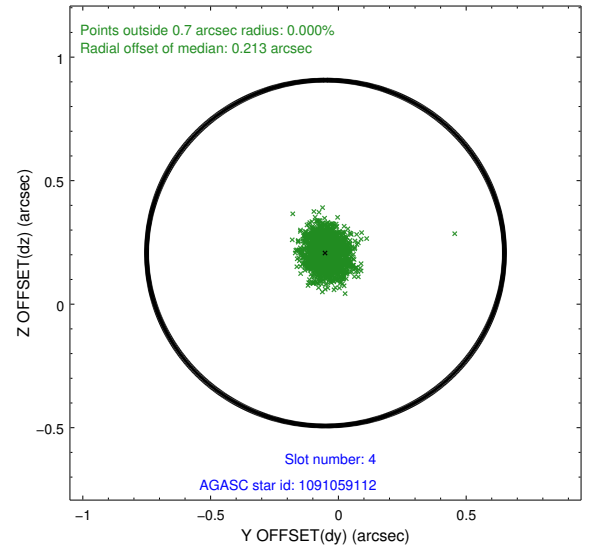
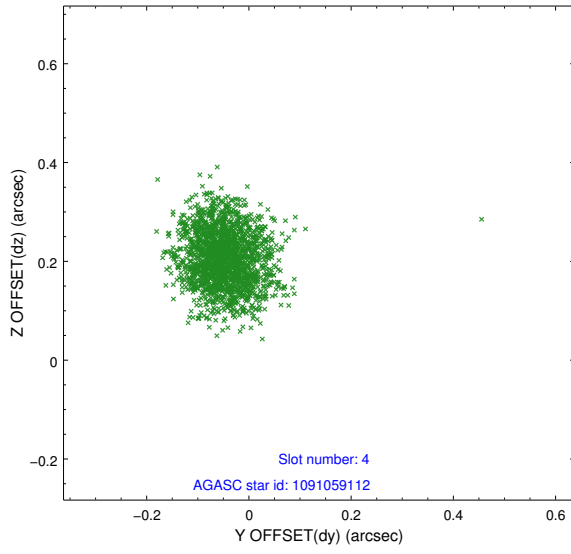
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.16	945	-0.047	-0.077	0.013	0.022	0.000000	0.000000	-756.57	-836.80
1	FID	ACIS-I-4	7.18	943	-0.019	0.055	0.009	0.018	0.000000	0.000000	2156.78	1068.71
2	FID	ACIS-I-5	7.23	944	-0.036	0.091	0.014	0.023	0.000000	0.000000	-1808.31	1068.42
3	GUIDE	1090924384	8.06	1887	-0.052	-0.268	0.083	0.134	243.330505	-50.934017	725.51	2269.70
4	GUIDE	1091059112	9.06	1887	-0.050	0.207	0.077	0.121	245.180420	-50.736664	175.88	-1958.47
5	GUIDE	1090922592	8.67	1889	-0.065	-0.053	0.066	0.103	243.541382	-50.784876	1105.36	1657.91
6	GUIDE	1090916640	8.91	1888	0.180	-0.022	0.054	0.092	244.322461	-51.464734	-1745.63	674.91
7	GUIDE	1090921280	9.09	1888	-0.004	0.133	0.061	0.099	244.365071	-50.638328	1068.46	-290.70

2.4 Star Slots

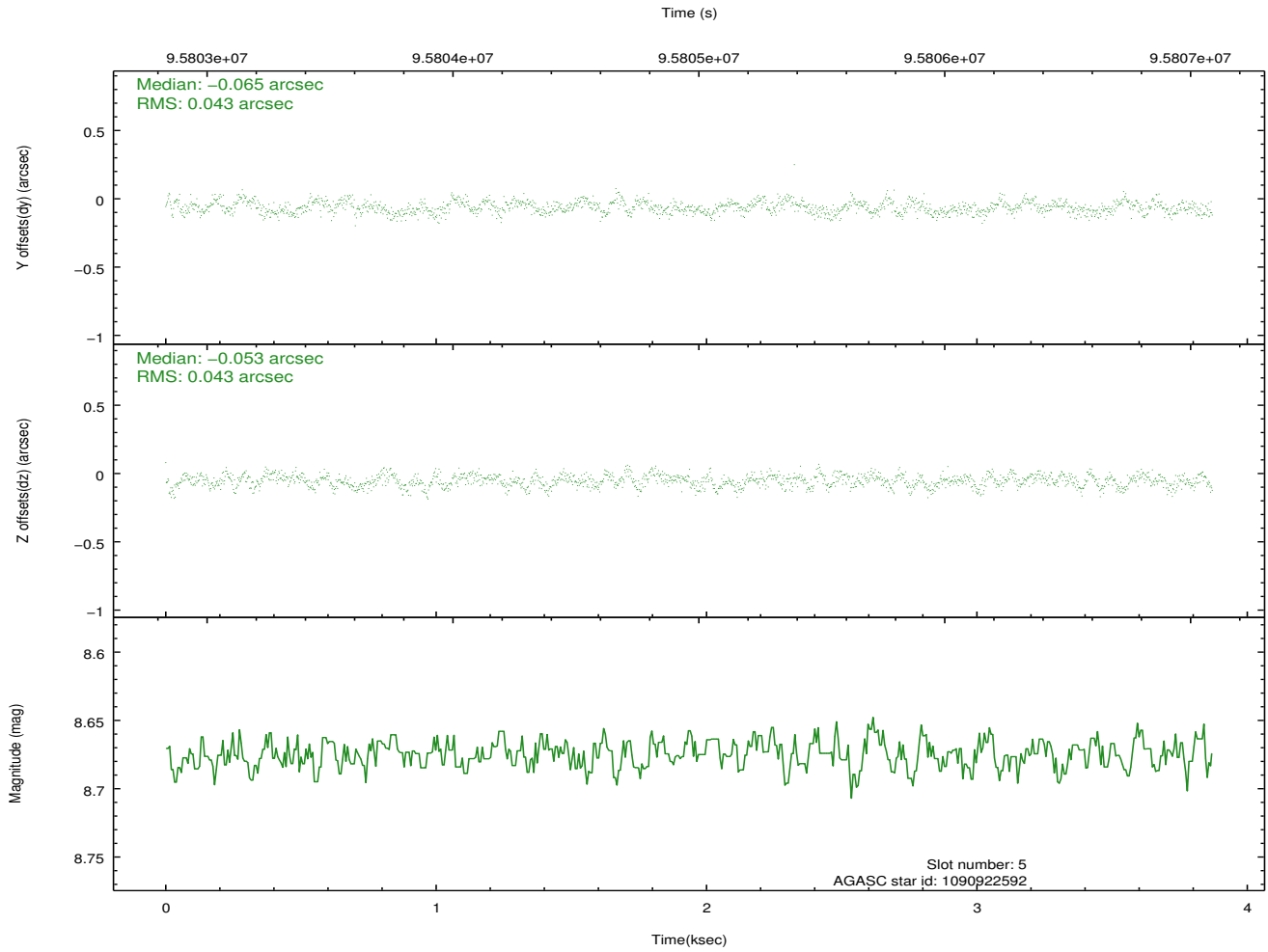
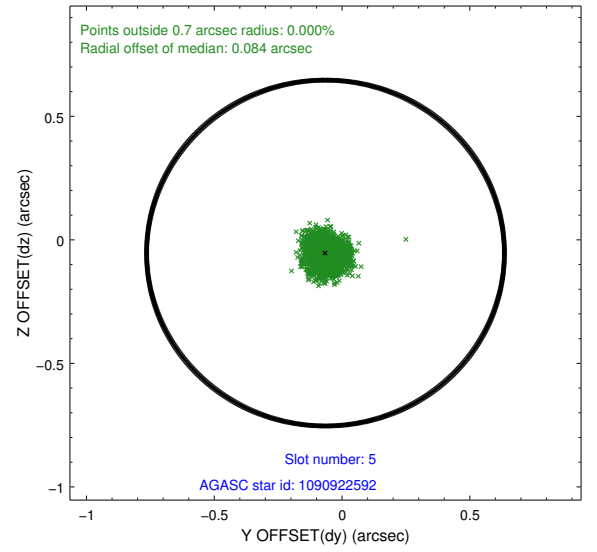
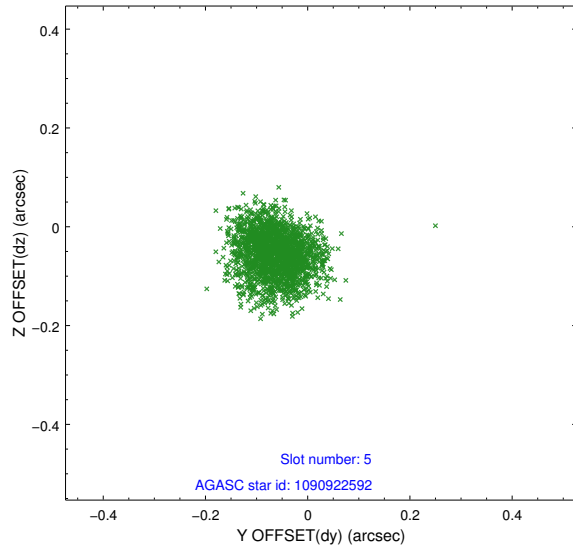
2.4.1 Slot 3



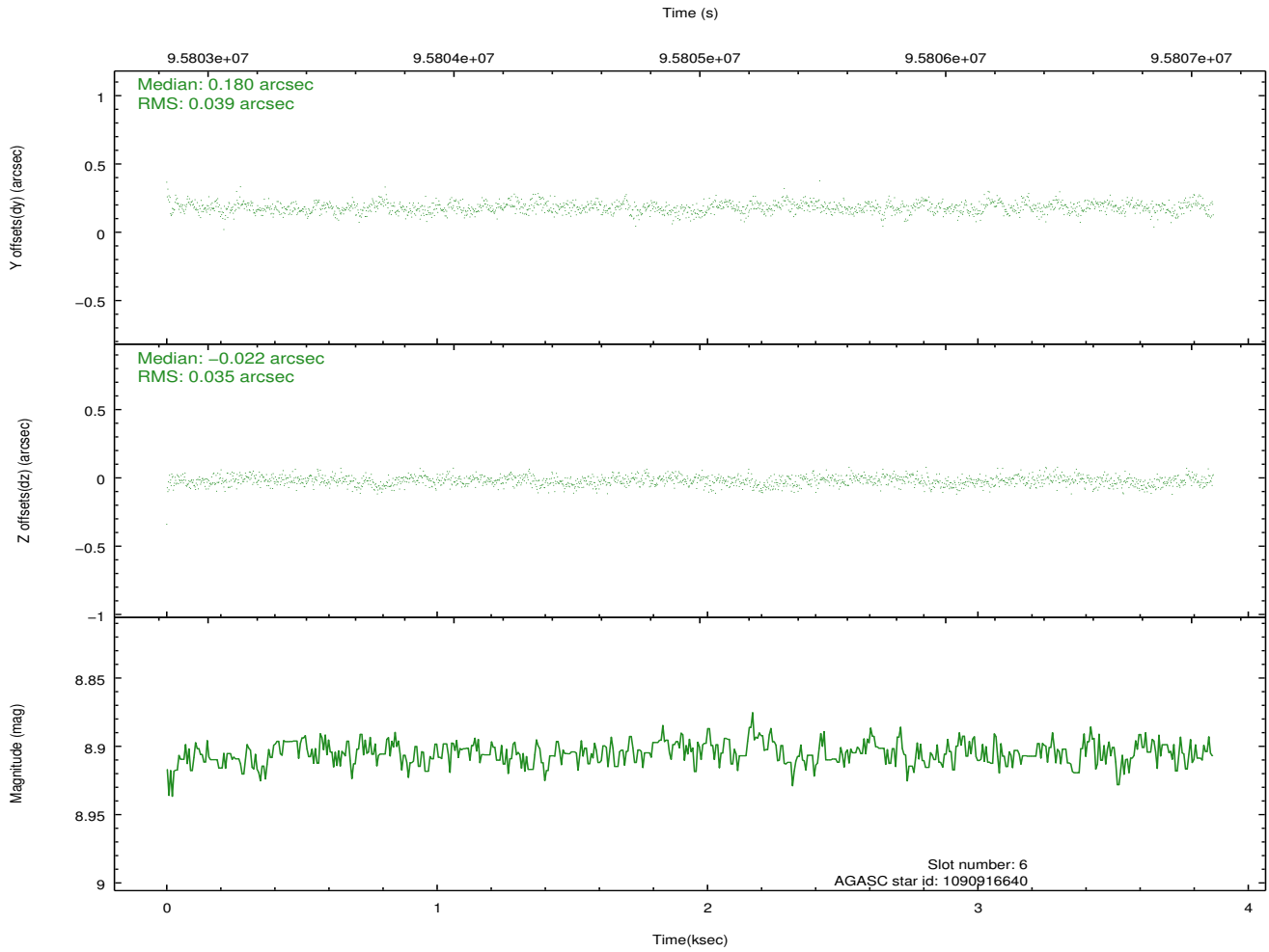
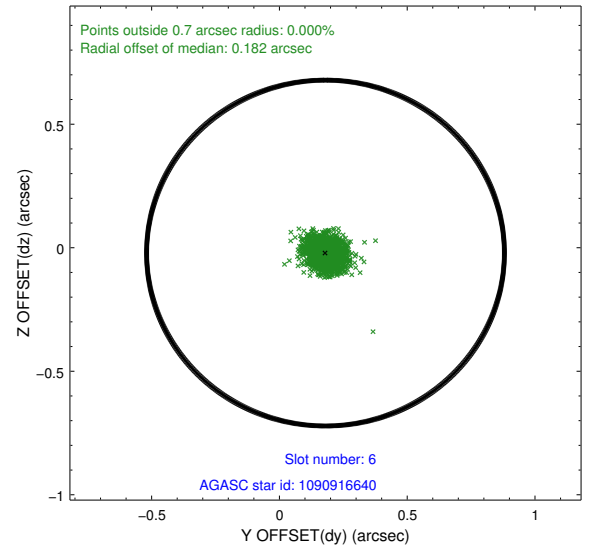
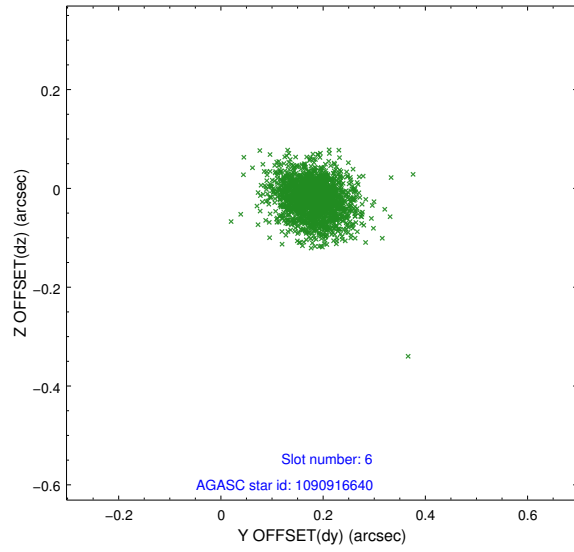
2.4.2 Slot 4



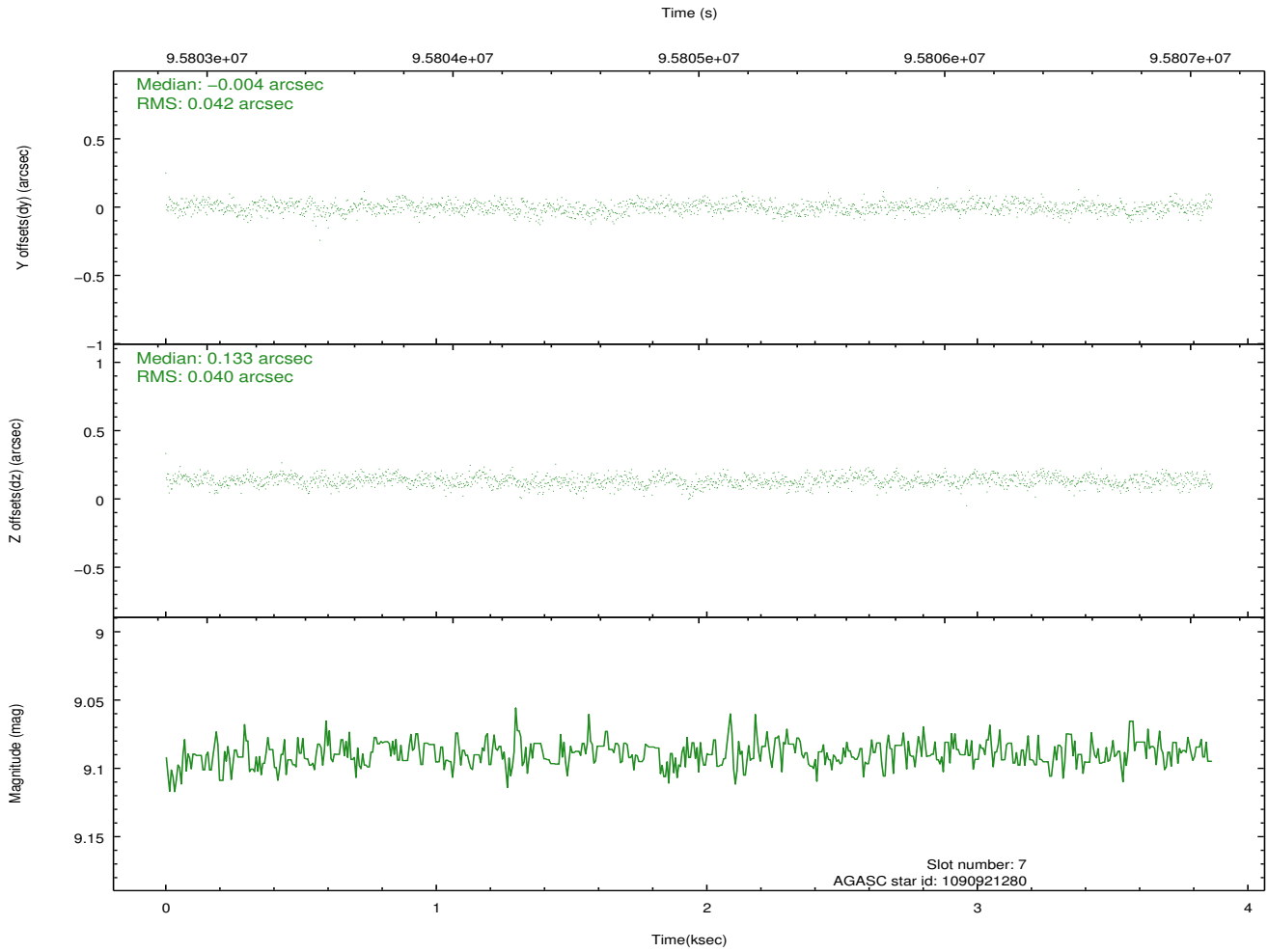
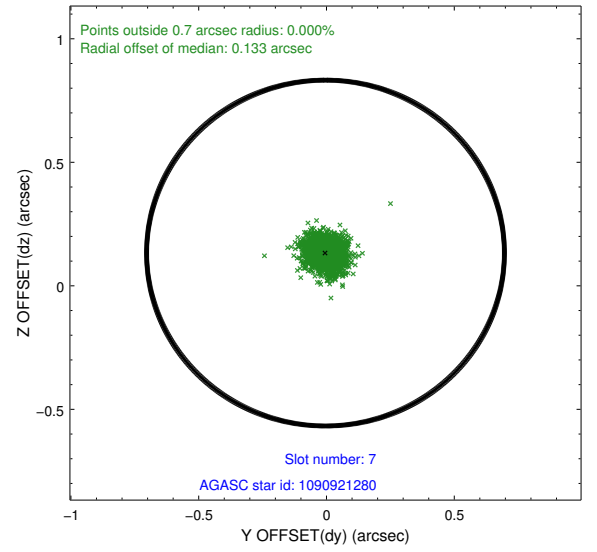
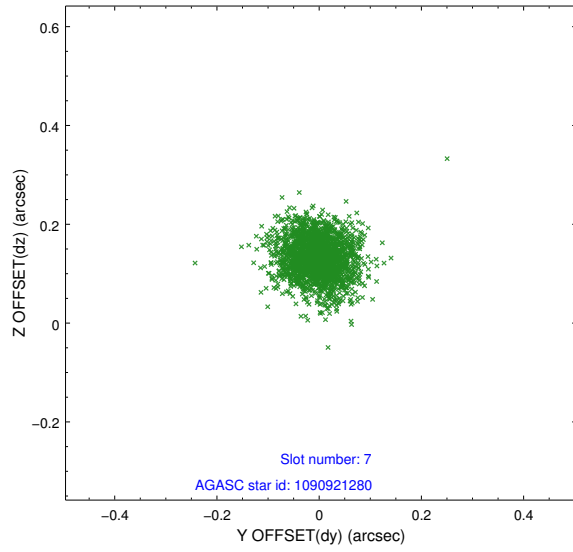
2.4.3 Slot 5



2.4.4 Slot 6

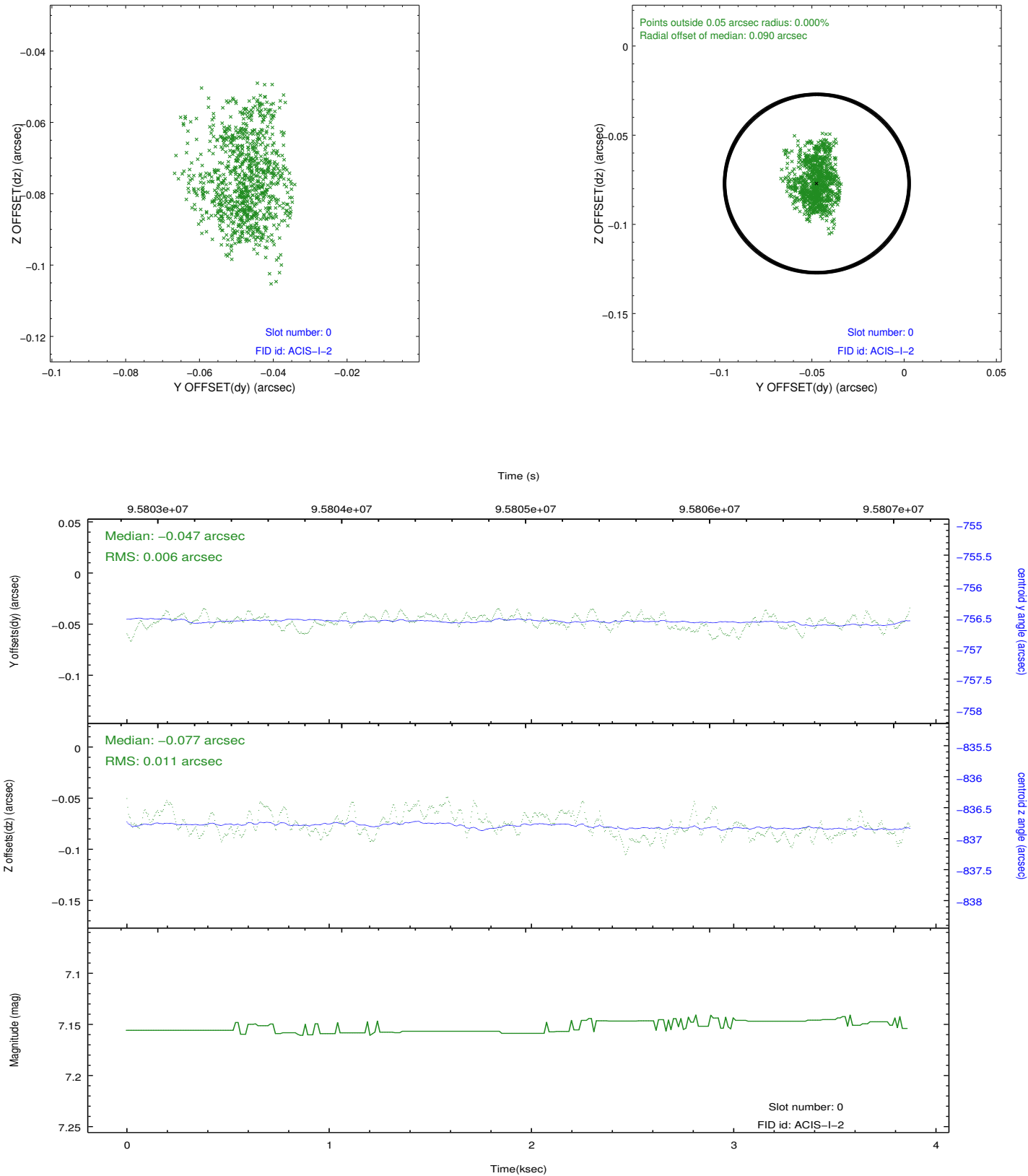


2.4.5 Slot 7

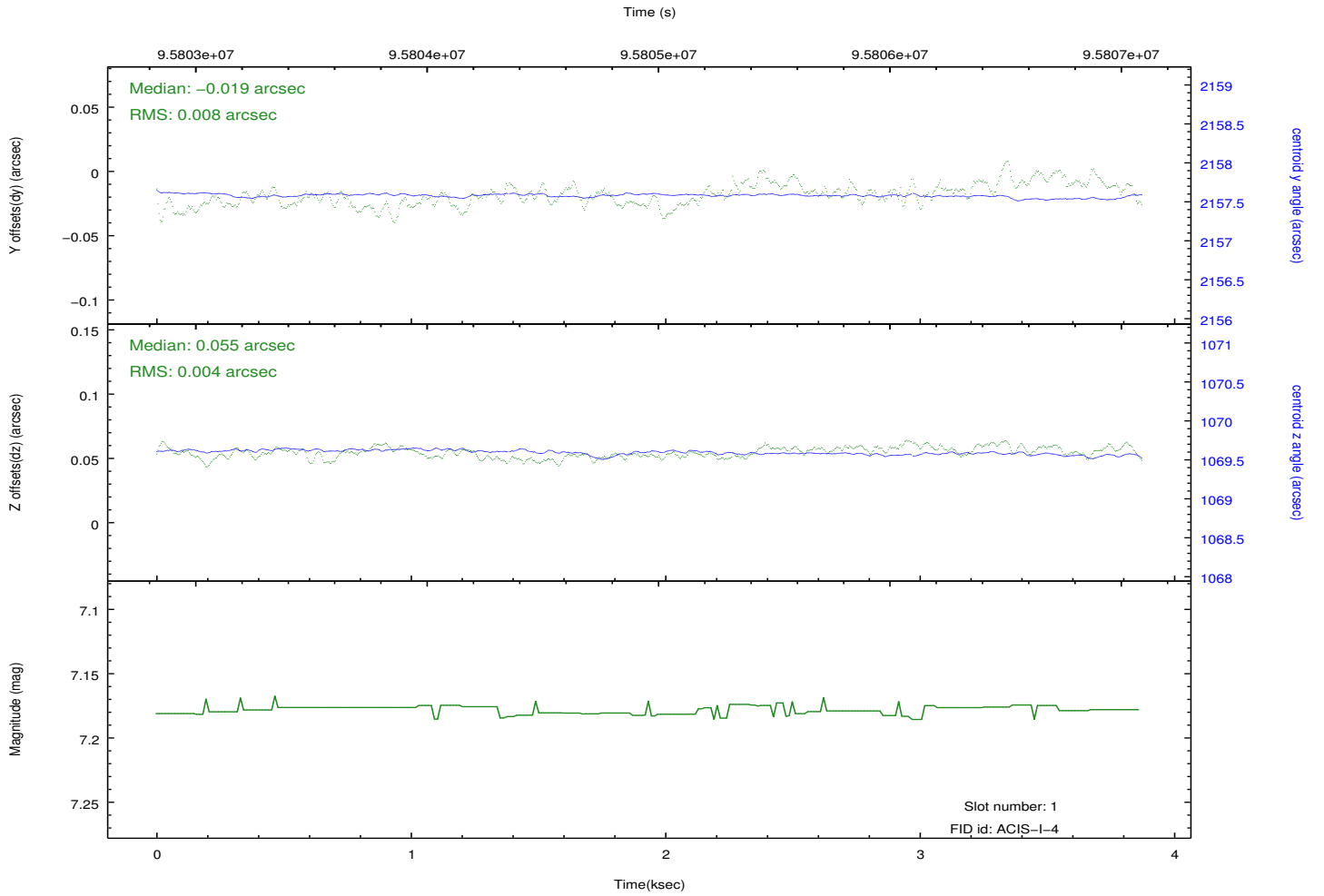
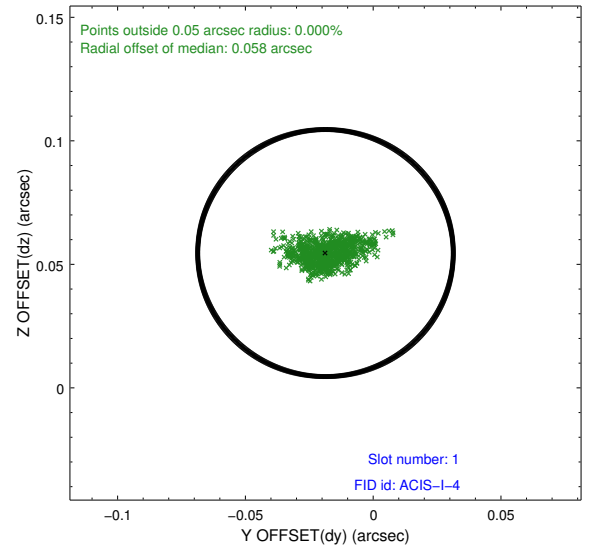
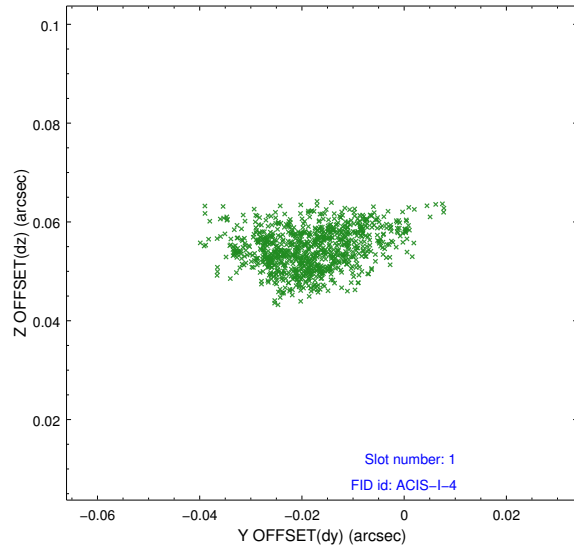


2.5 FID Slots

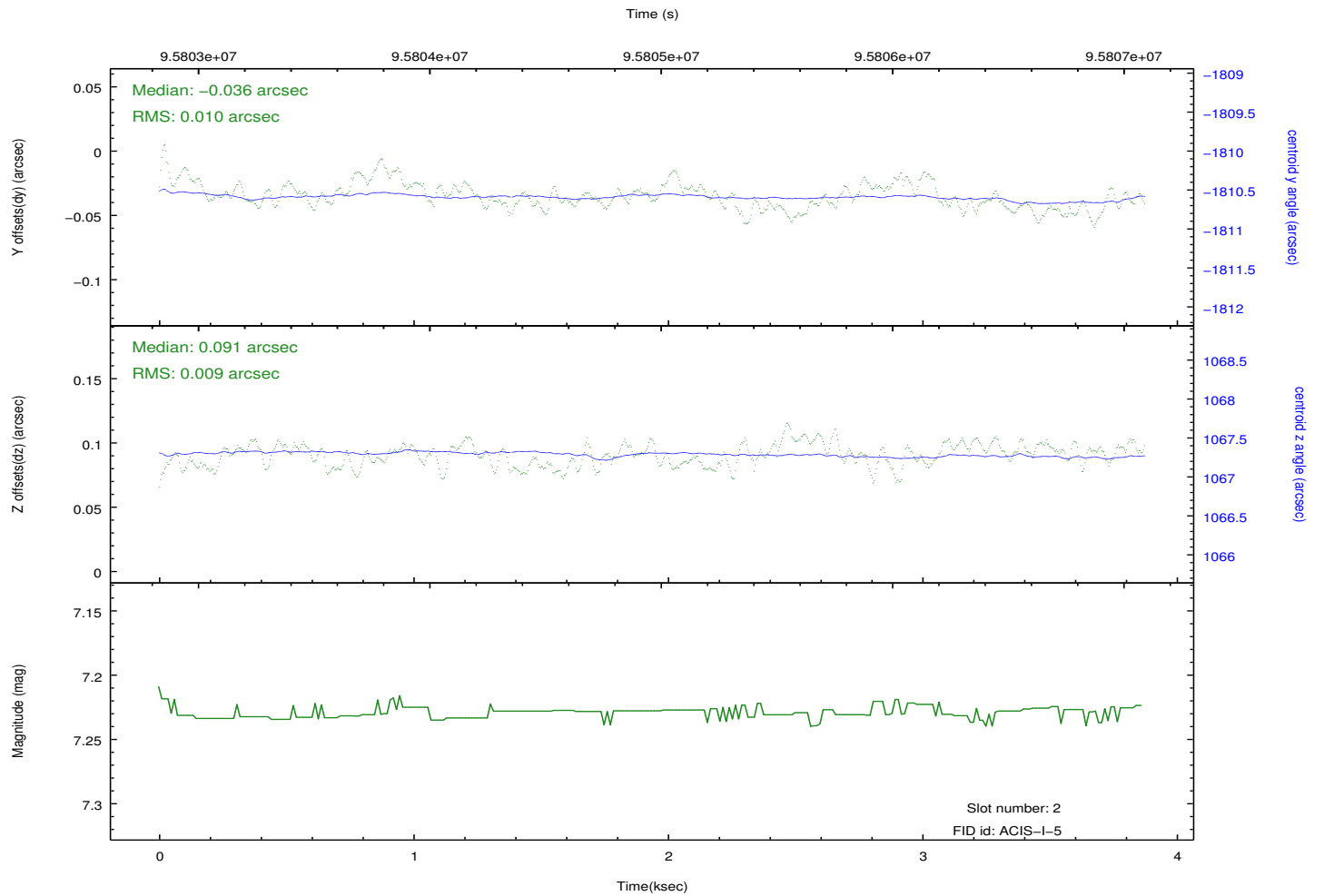
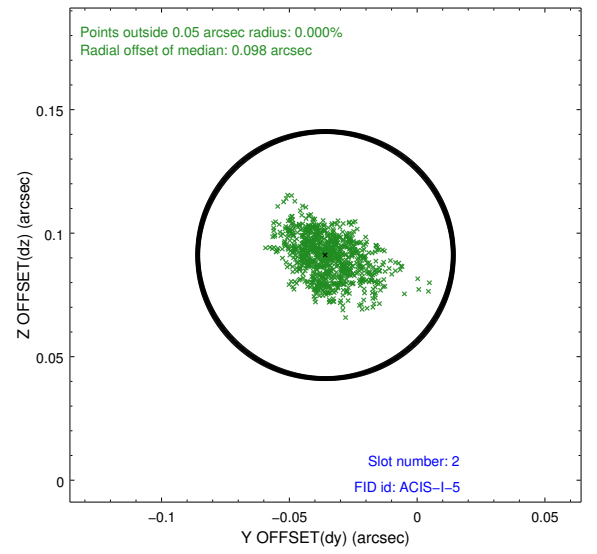
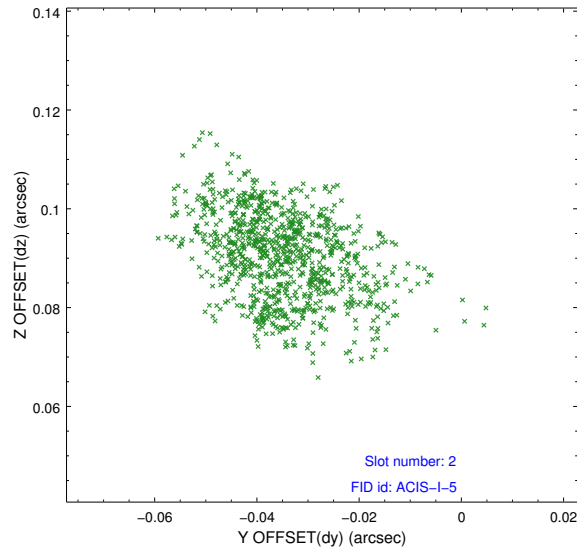
2.5.1 Slot 0



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)	2012.09.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.867

A.2 Comments

Window constraint met.