

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2315 - L2 Version 3
Chandra X-Ray Center

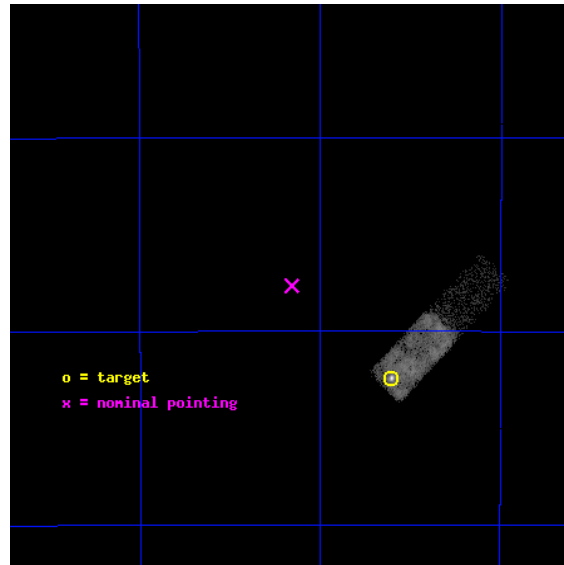
L2 Processing Date : Sep 15 2012

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1 Front

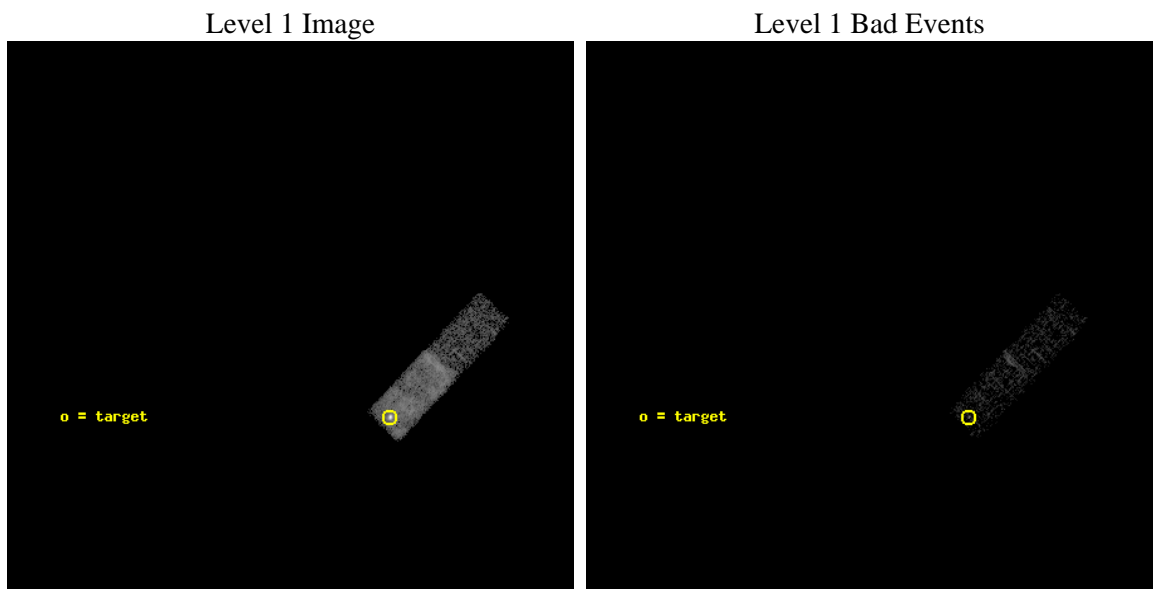
seq_num	500192	Sequence number
obs_id	2315	Observation id
title	OBSERVATION OF SNR RCW103	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	RCW103	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	244.401292	Observer's specified target RA [deg]
dec_targ	-51.0402	Observer's specified target Dec [deg]
ra_nom	244.53952895647	Nominal RA [deg]
dec_nom	-50.960846355129	Nominal Dec [deg]
roll_nom	43.468182986714	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4023.1999850273	Sum of GTIs [s]
livetime	3826.8809902286	Livetime [s]
ontime3	4023.1999850273	Sum of GTIs [s]
l2events	18073	Number of level 2 events



2 OBI

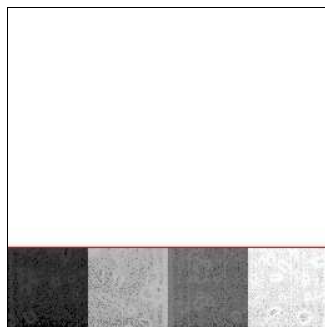
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 3



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	3200.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4023.1999850273	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime3	4023.1999850273	Sum of GTIs [s]
date	2012-09-15T15:28:30	Date and time of file creation	l1events	26404	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

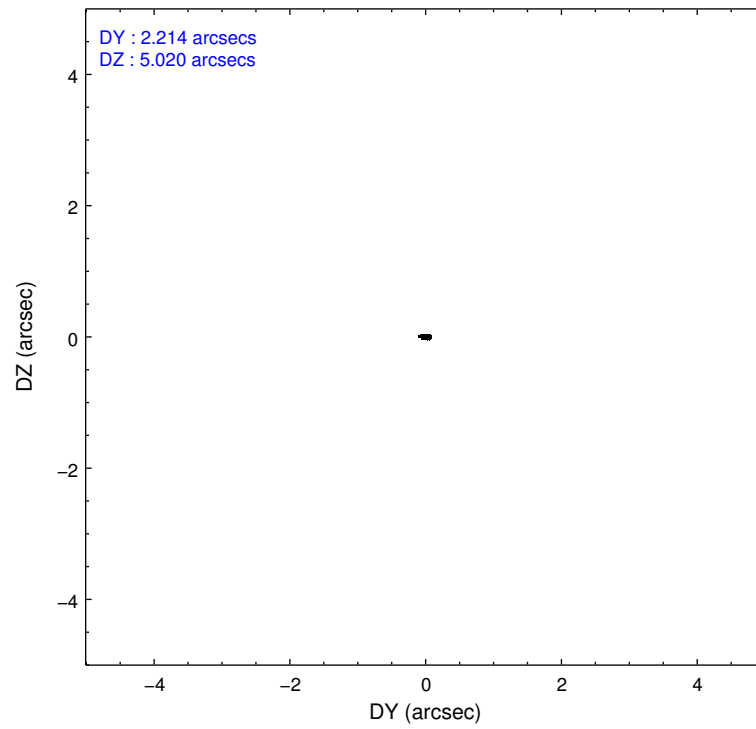
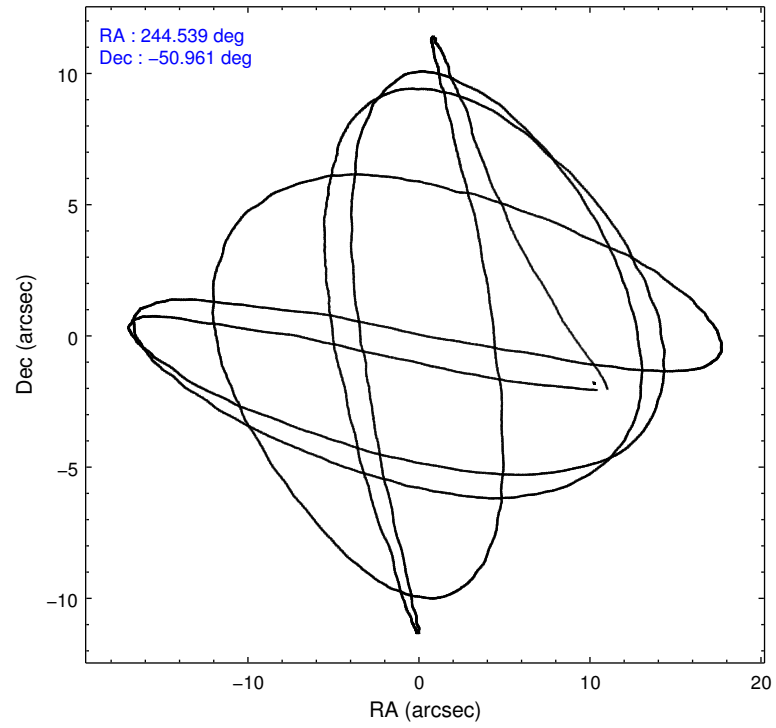
	ccd 3
level 1 events	26404
rejected events	7858
rejected %	29%

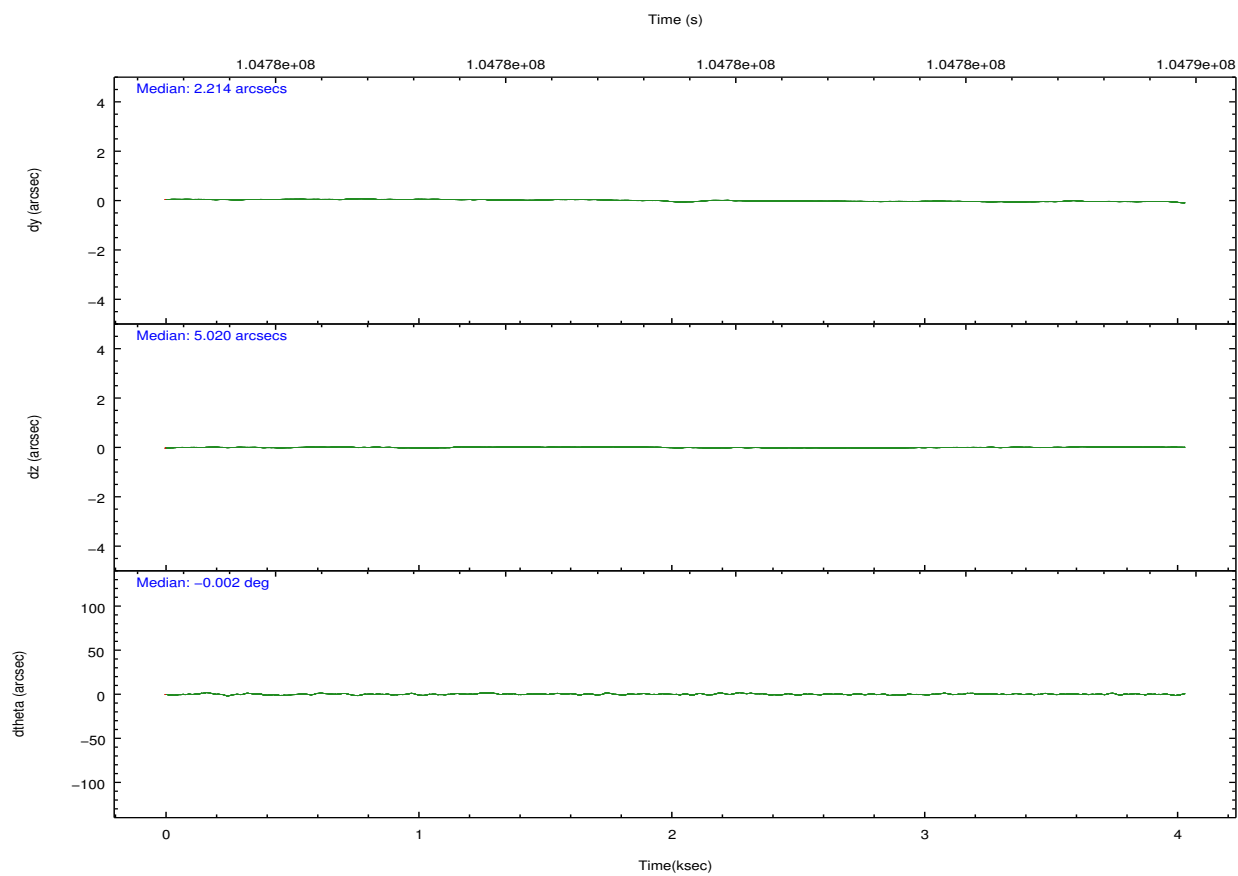
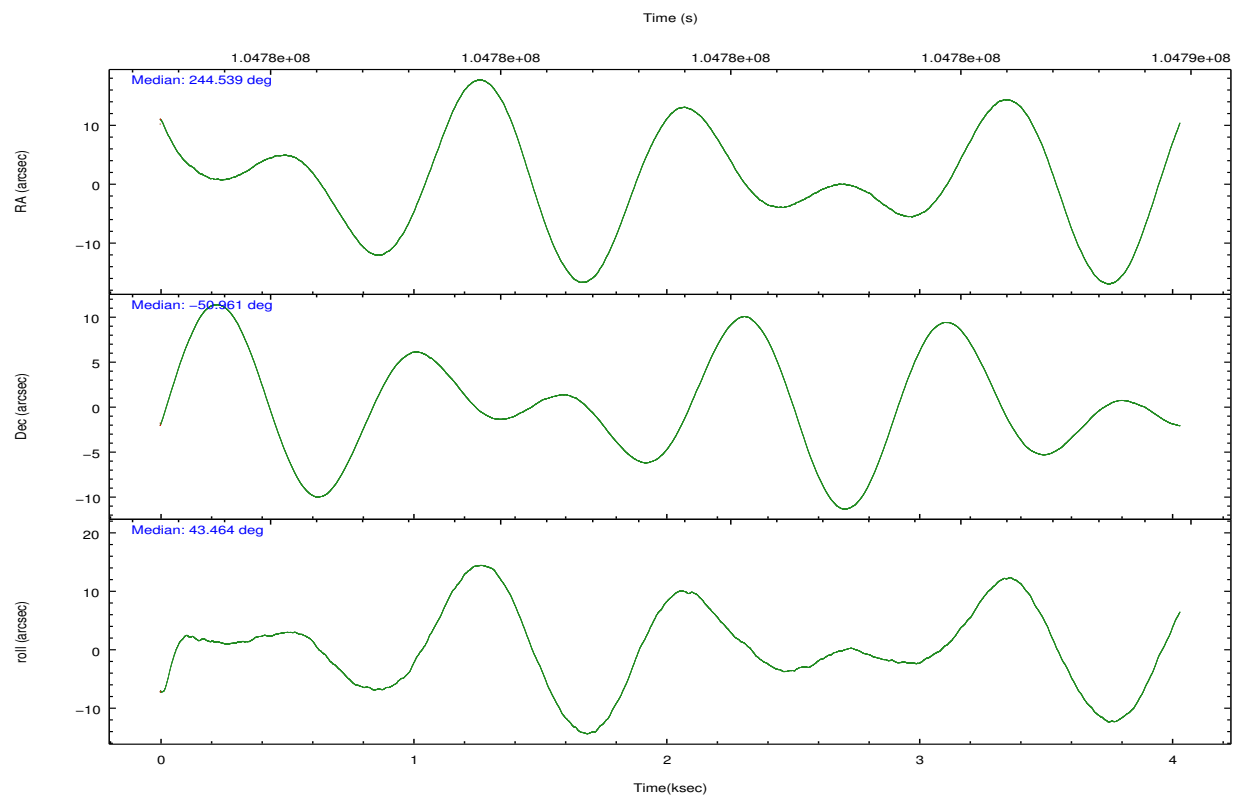
	ccd 3
grade 0 events	14823
	56%
grade 1 events	55
	0%
grade 2 events	1901
	7%
grade 3 events	677
	2%
grade 4 events	642
	2%
grade 5 events	245
	0%
grade 6 events	507
	1%
grade 7 events	7554
	28%

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	244.527264	244.5395289564704	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	-50.987277	-50.96084635512914	Subarray start row	1	1
[deg] Pointing Roll	43.249988	43.46818298671418	Subarray row count	256	256
[s] Window start time (MET)	104544064.184000	104544064.184000	Alternating exposures requested	N	N
[s] Window stop time (MET)	106272064.184000	106272064.184000	[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)	104782549.184000	104781271.34058			
Observation start date	2001-04-27T18:14:45	2001-04-27T17:54:31			
[s] Observation end time (MET)	104785749.184000	104786964.7033			
Observation end date	2001-04-27T19:08:05	2001-04-27T19:29:24			
Read mode	TIMED	TIMED			

2.3 Aspect



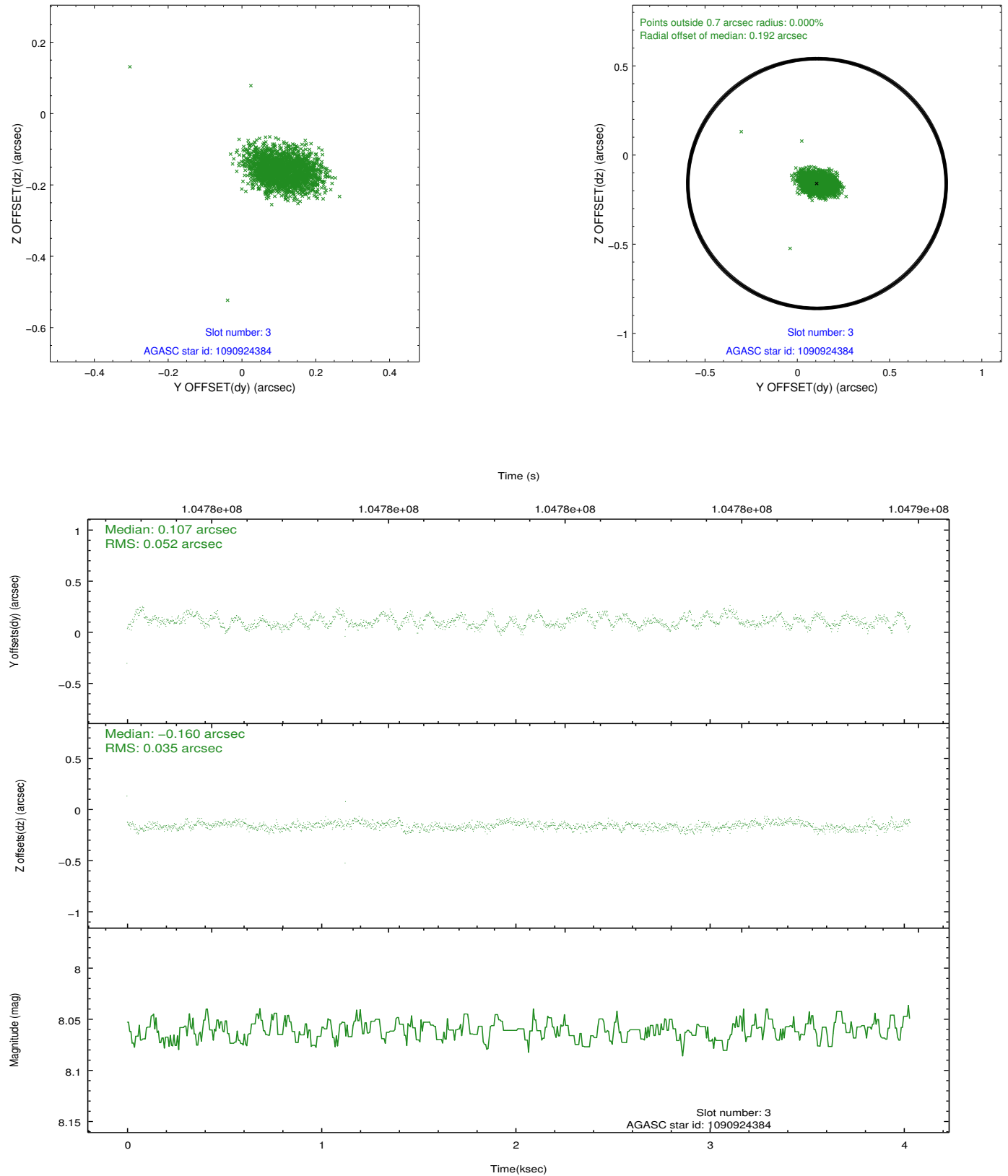


Slot Statistics

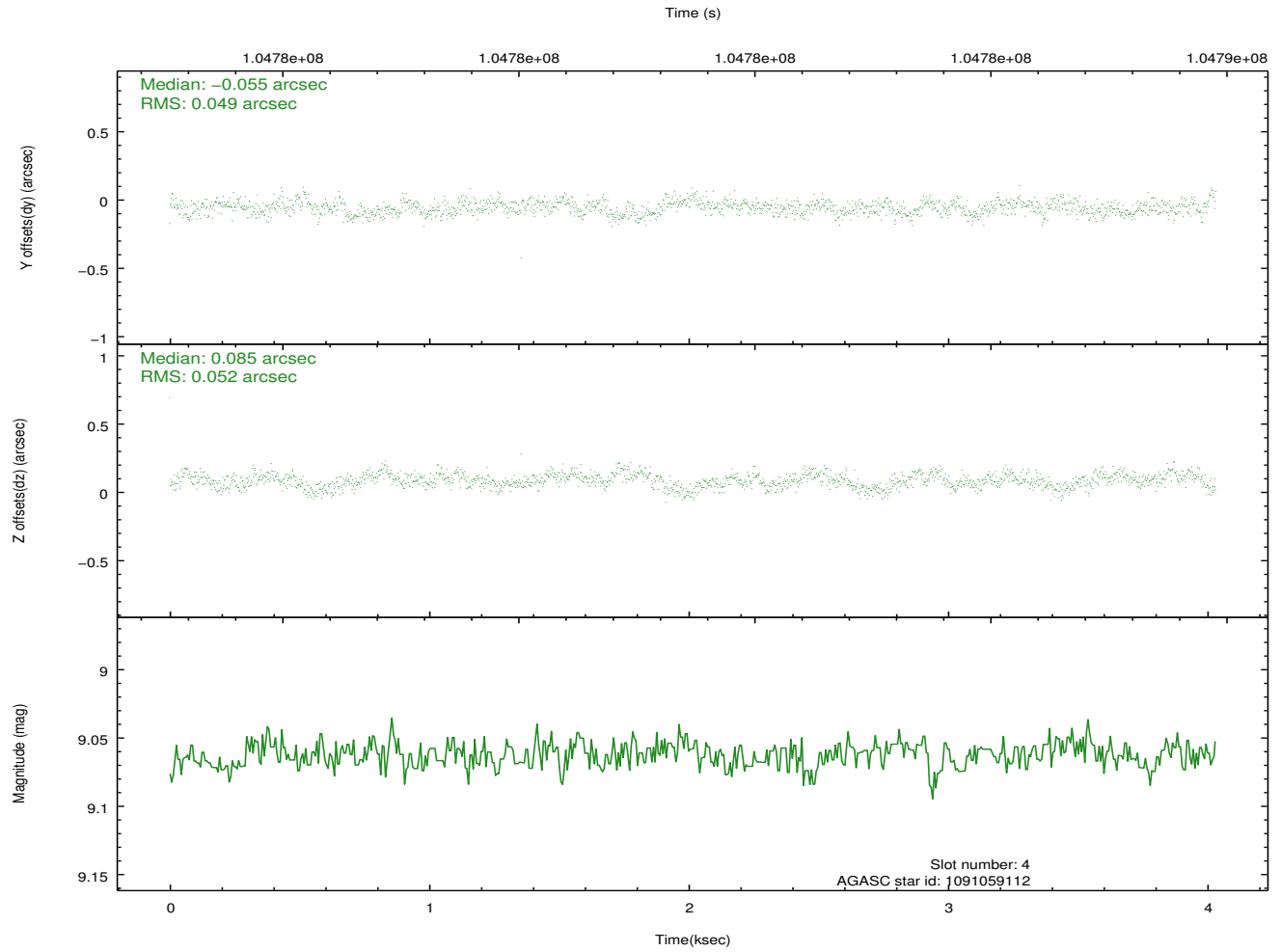
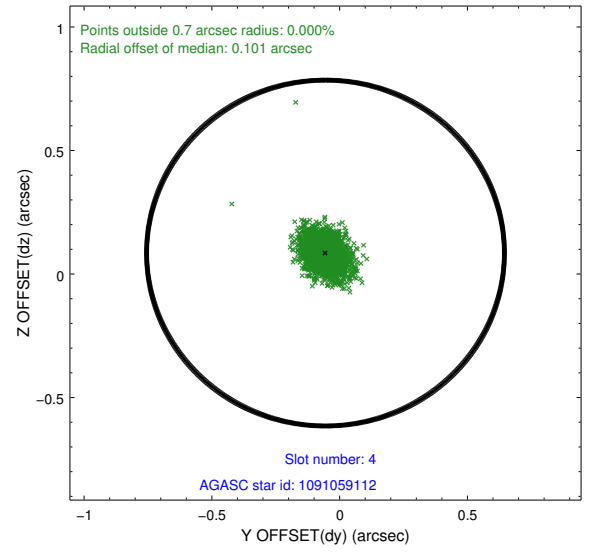
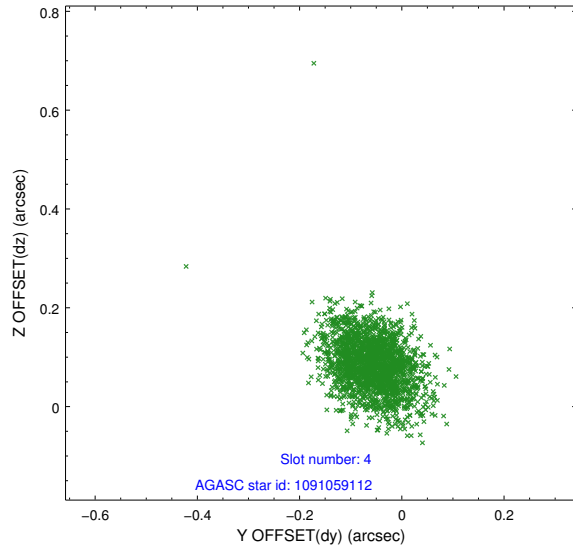
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	984	-0.050	0.057	0.009	0.017	0.000000	0.000000	937.55	-828.30
1	FID	ACIS-I-4	7.19	984	0.012	0.008	0.009	0.015	0.000000	0.000000	2158.53	1070.69
2	FID	ACIS-I-5	7.23	984	-0.060	0.005	0.008	0.014	0.000000	0.000000	-1808.46	1070.30
3	GUIDE	1090924384	8.06	1968	0.107	-0.160	0.065	0.105	243.330505	-50.934017	-1861.11	1982.67
4	GUIDE	1091059112	9.06	1967	-0.055	0.085	0.074	0.124	245.180420	-50.736664	1696.90	-367.12
5	GUIDE	1090922592	8.69	1968	0.087	-0.198	0.080	0.126	243.541382	-50.784876	-1144.66	2055.33
6	GUIDE	1091057912	9.16	1968	-0.224	0.177	0.093	0.148	245.642757	-51.112070	1515.01	-2068.22
7	GUIDE	1090916640	8.92	1967	0.087	0.097	0.063	0.101	244.322461	-51.464734	-1511.50	-939.81

2.4 Star Slots

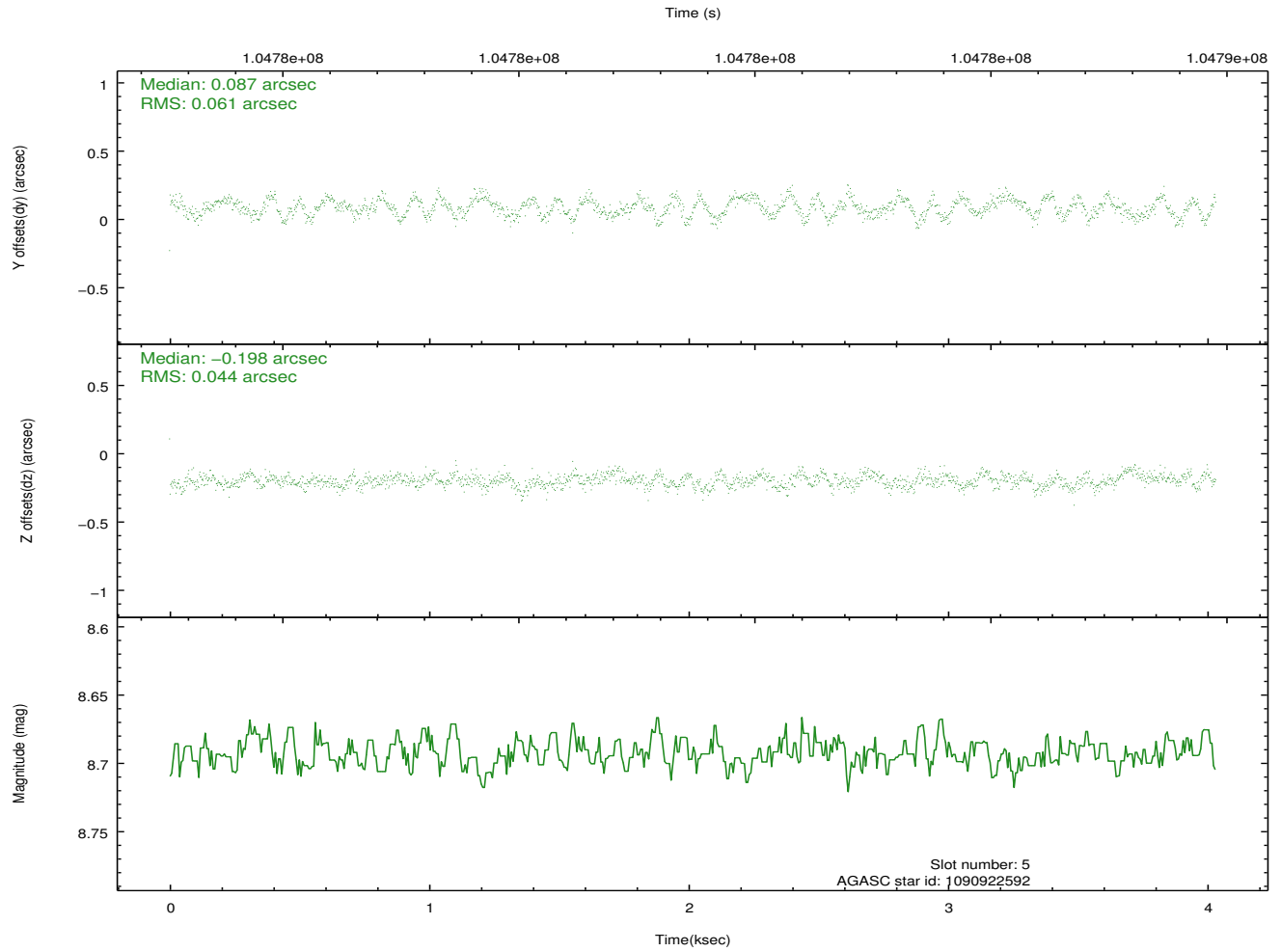
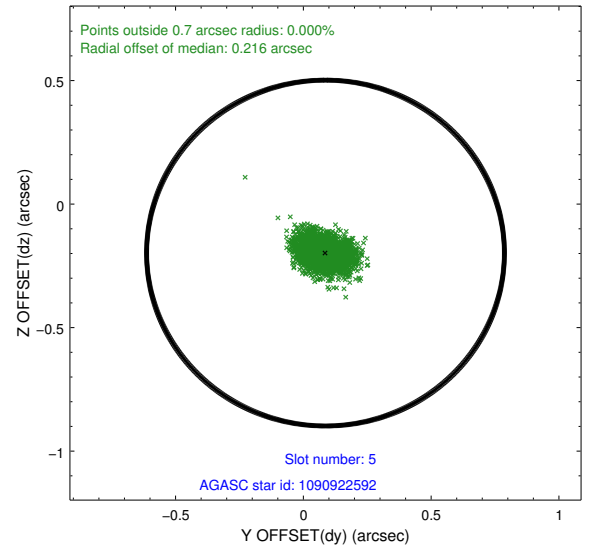
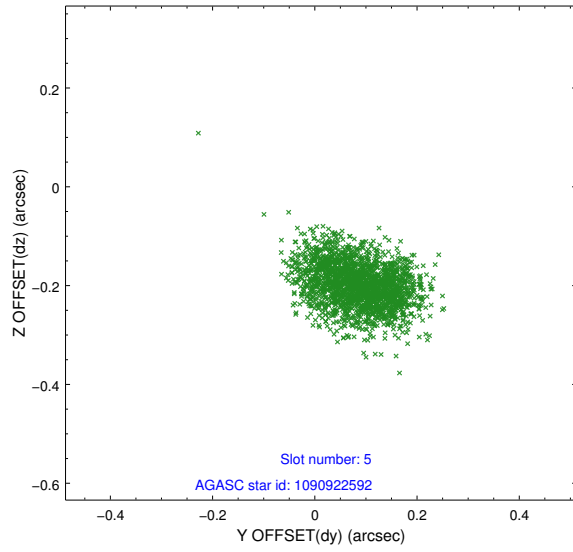
2.4.1 Slot 3



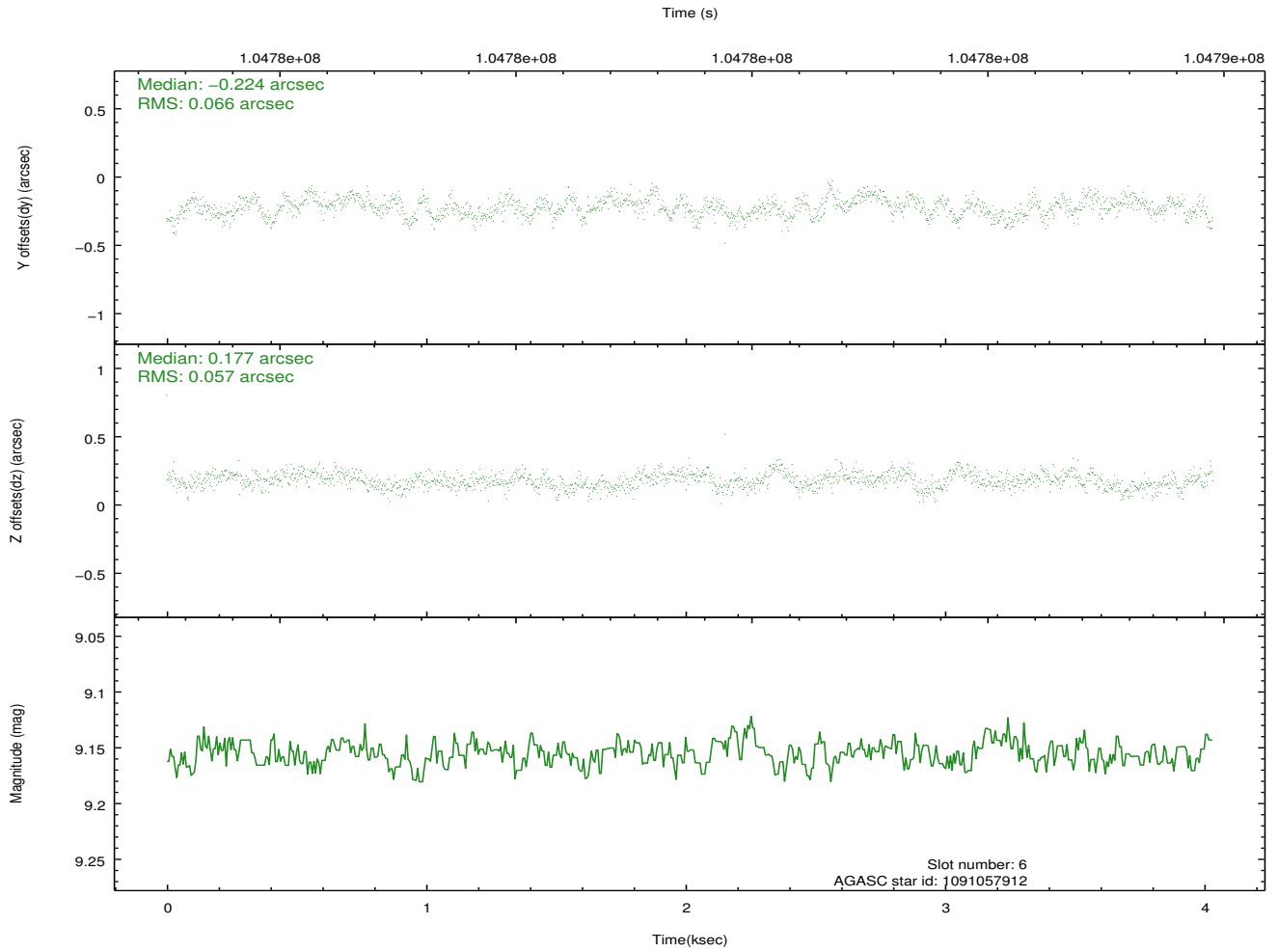
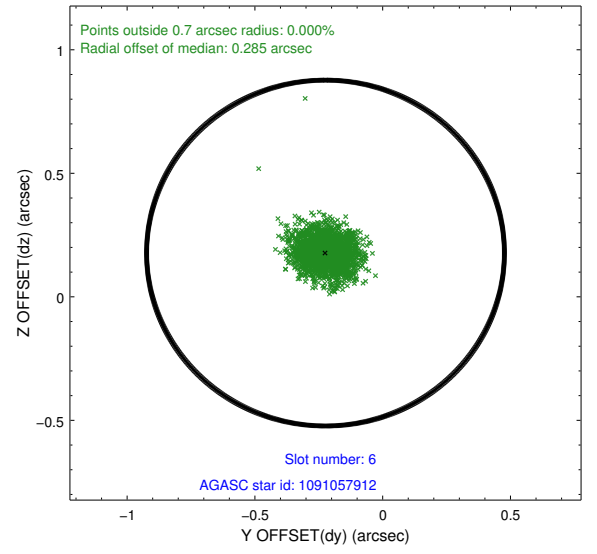
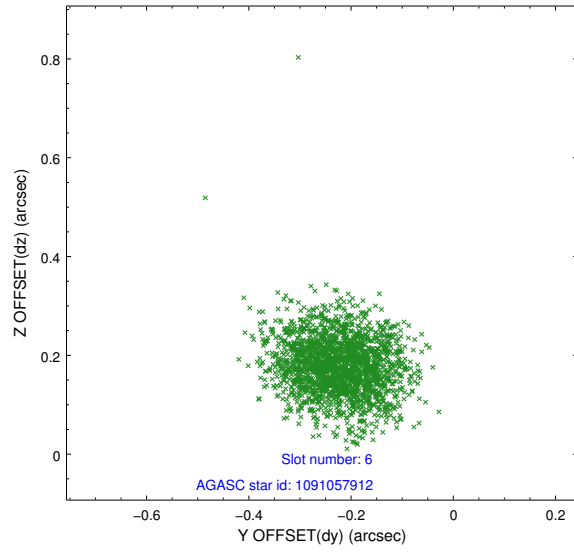
2.4.2 Slot 4



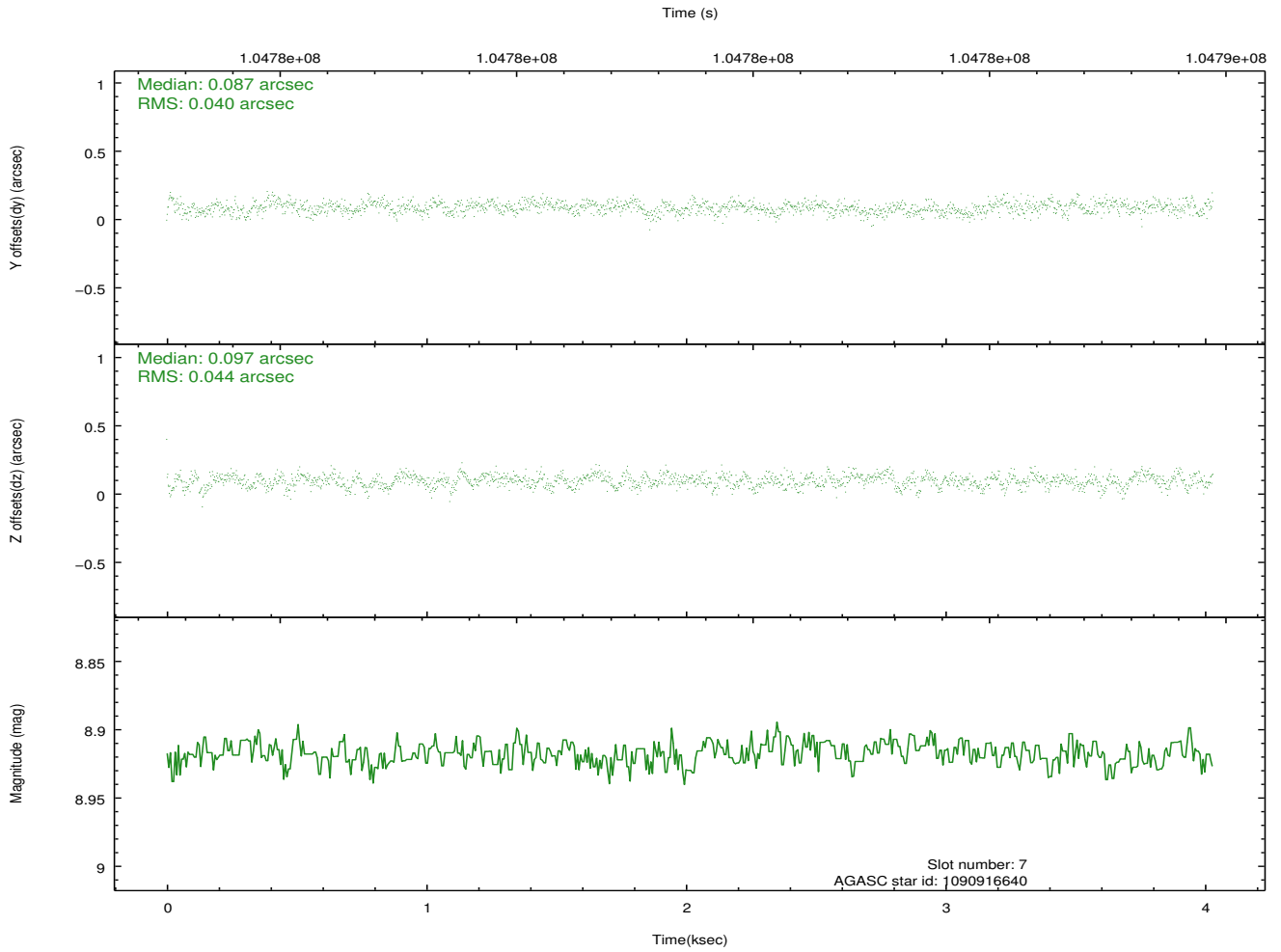
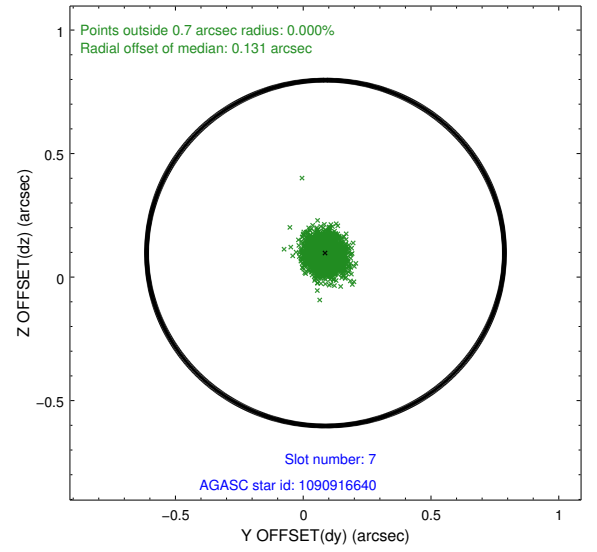
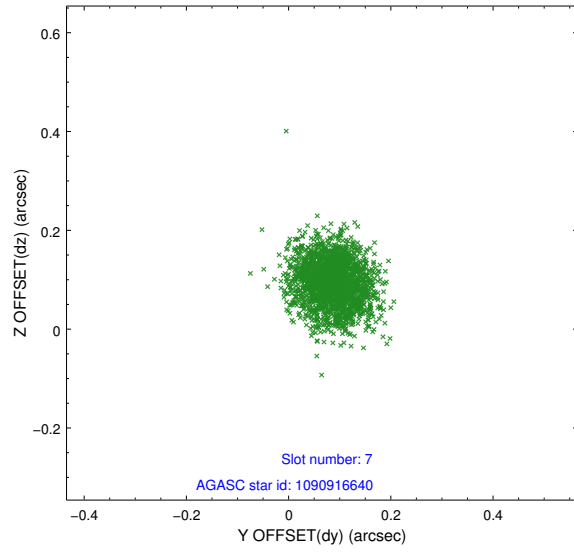
2.4.3 Slot 5



2.4.4 Slot 6

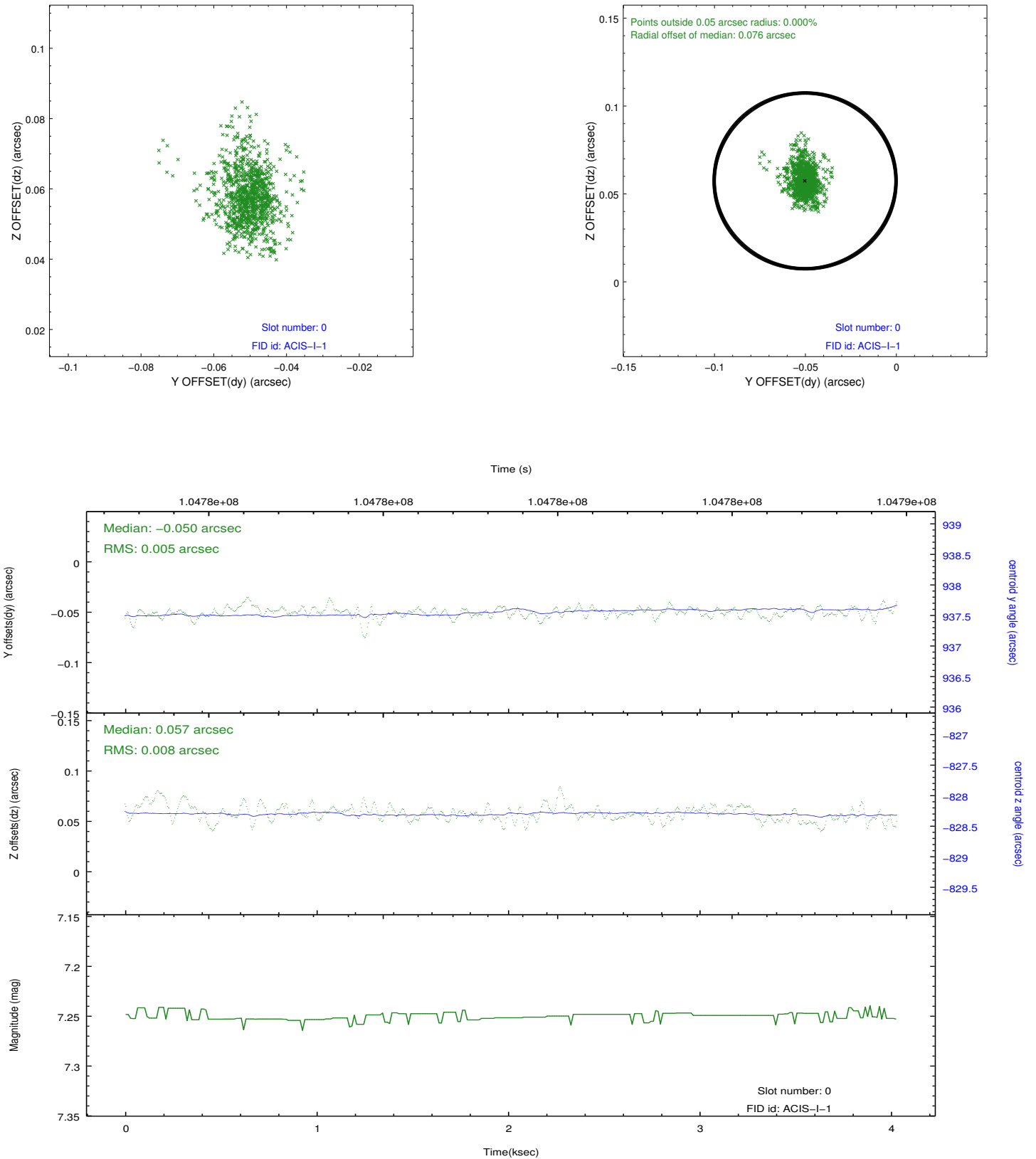


2.4.5 Slot 7

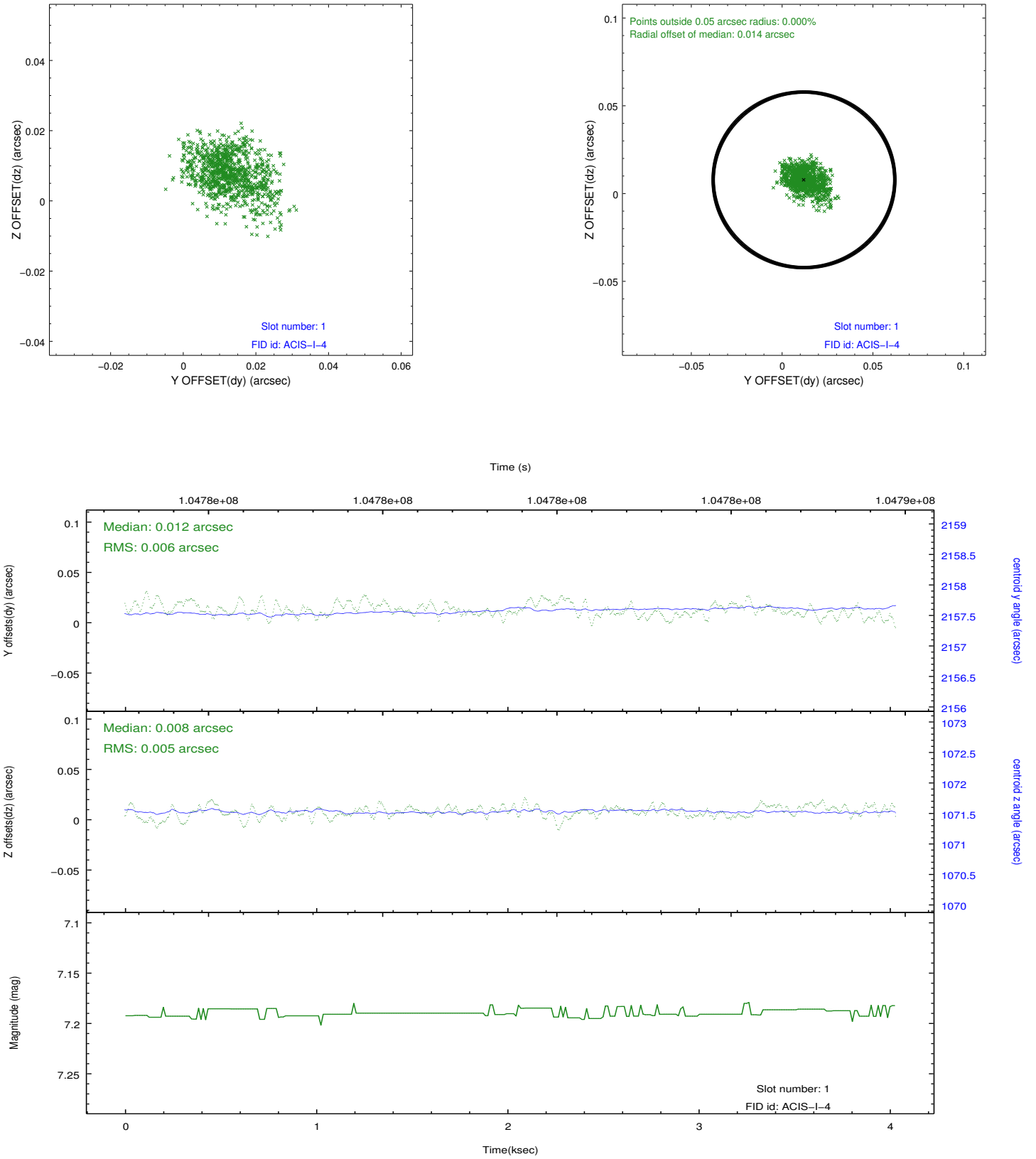


2.5 FID Slots

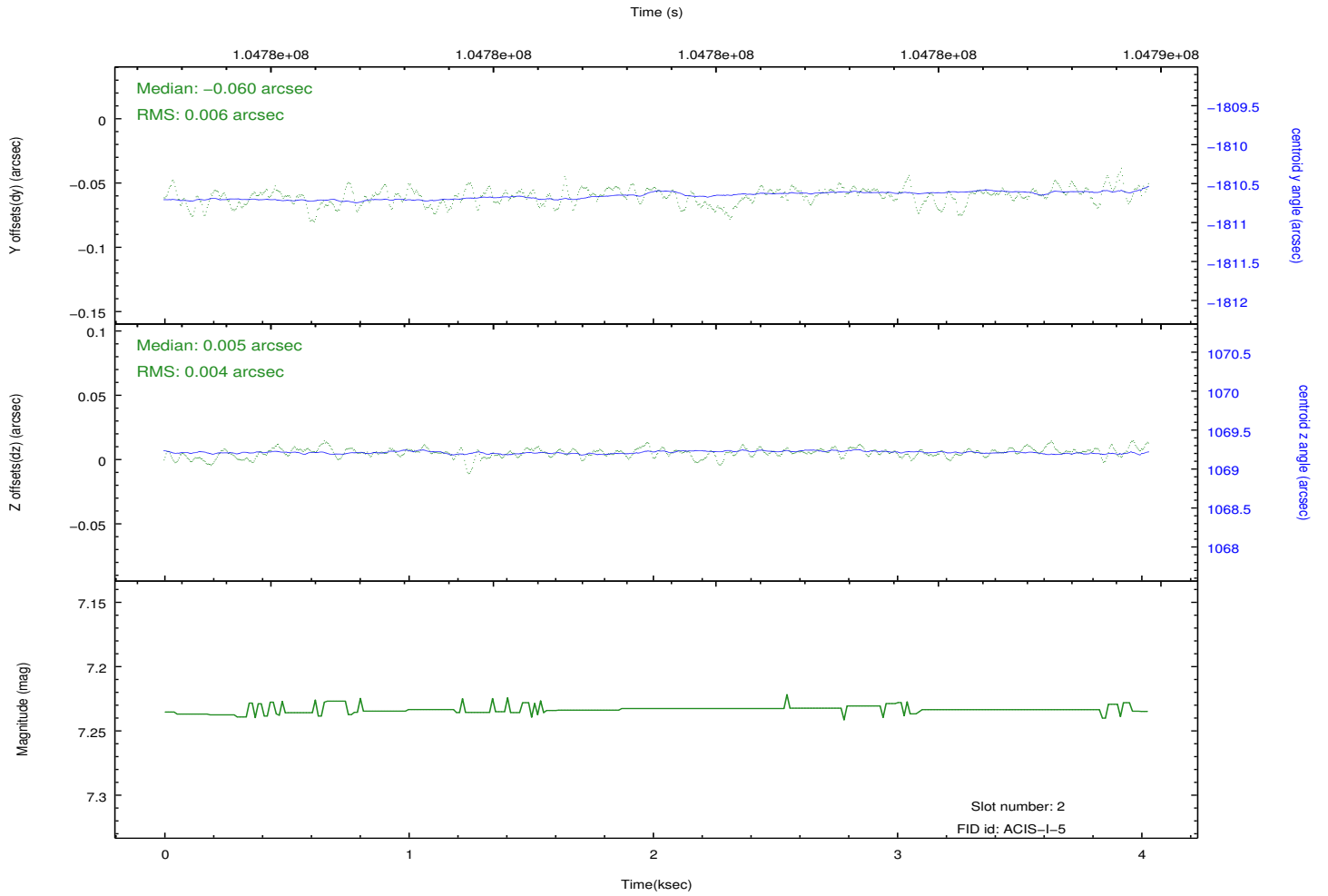
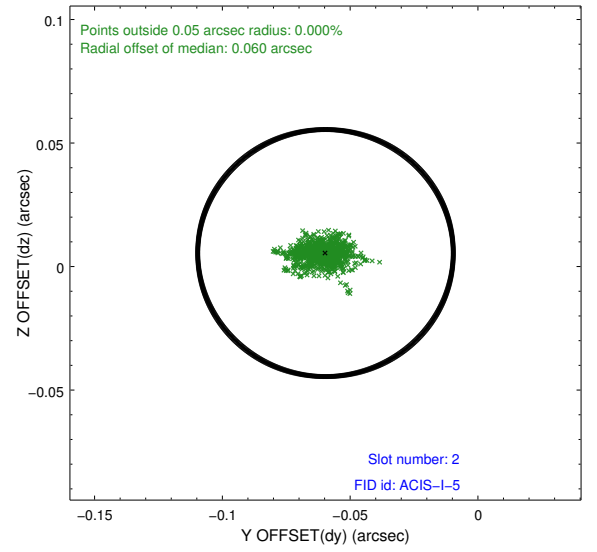
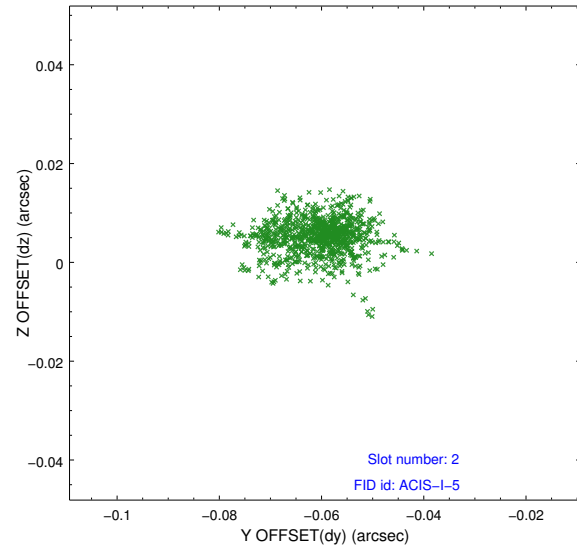
2.5.1 Slot 0



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)	2012.09.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4

A.2 Comments

Window constraint met. Target is highly off-axis.