

V&V Reference Report

L2 ASCDS Version : 8.5

Observation 4598 - L2 Version 3
Chandra X-Ray Center

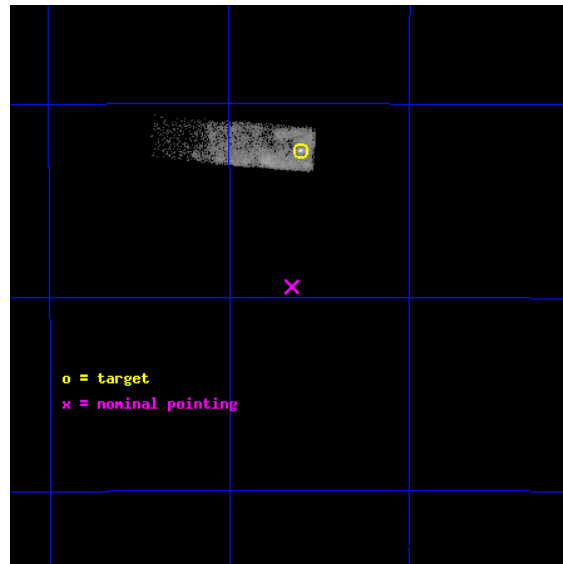
L2 Processing Date : Dec 6 2012

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

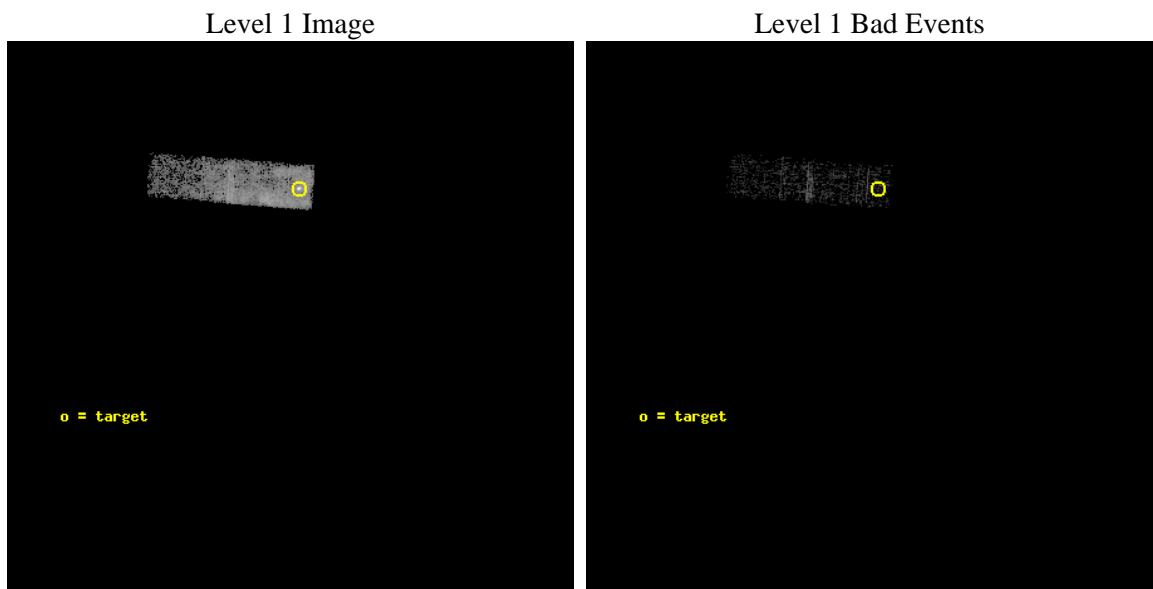
seq_num	500423	Sequence number
obs_id	4598	Observation id
title	Observation of SNR RCW103	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	RCW103	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	244.40125	Observer's specified target RA [deg]
dec_targ	-51.040278	Observer's specified target Dec [deg]
ra_nom	244.4130604519	Nominal RA [deg]
dec_nom	-51.157642200207	Nominal Dec [deg]
roll_nom	274.72149526439	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5180.8000771999	Sum of GTIs [s]
livetime	4927.9939857319	Livetime [s]
ontime3	5180.8000771999	Sum of GTIs [s]
l2events	14020	Number of level 2 events



2 OBI

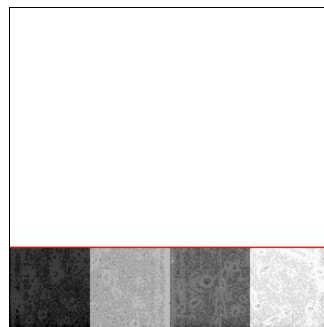
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 3



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.5	Processing system revision	ontime	5180.8000771999	Sum of GTIs [s]
caldsver	4.5.4	 	ontime3	5180.8000771999	Sum of GTIs [s]
date	2012-12-06T22:54:45	Date and time of file creation	l1events	22414	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

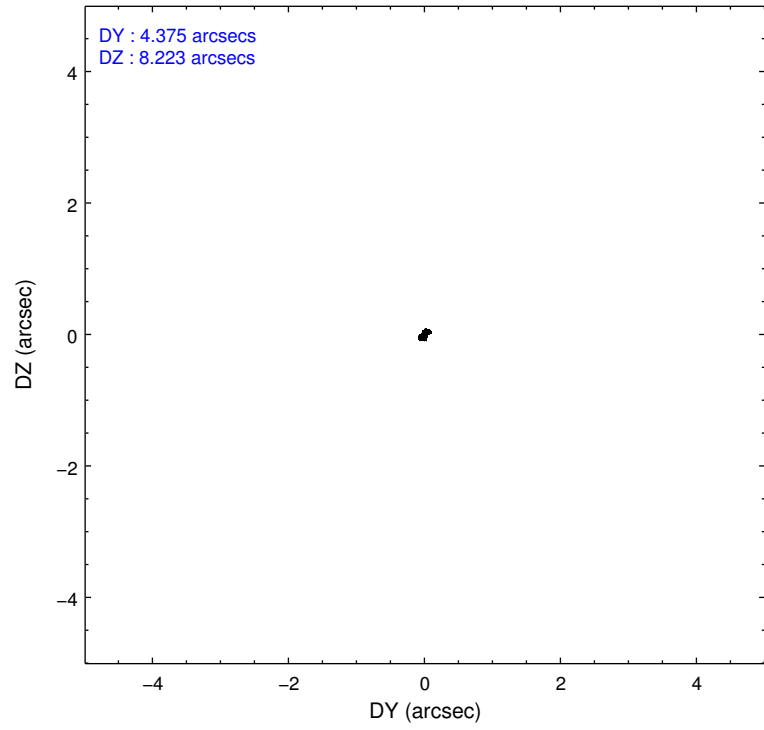
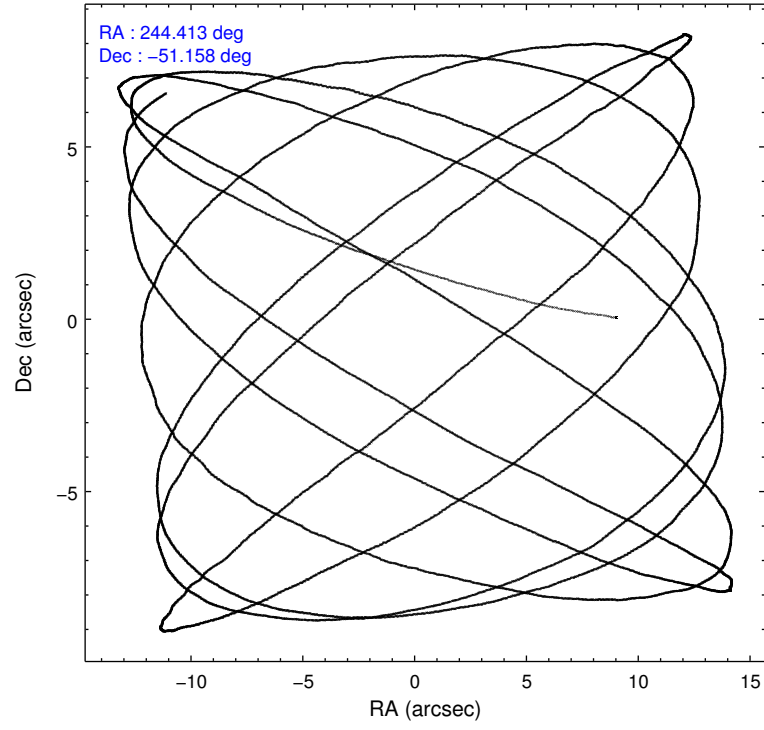
	ccd 3
level 1 events	22414
rejected events	8078
rejected %	36%

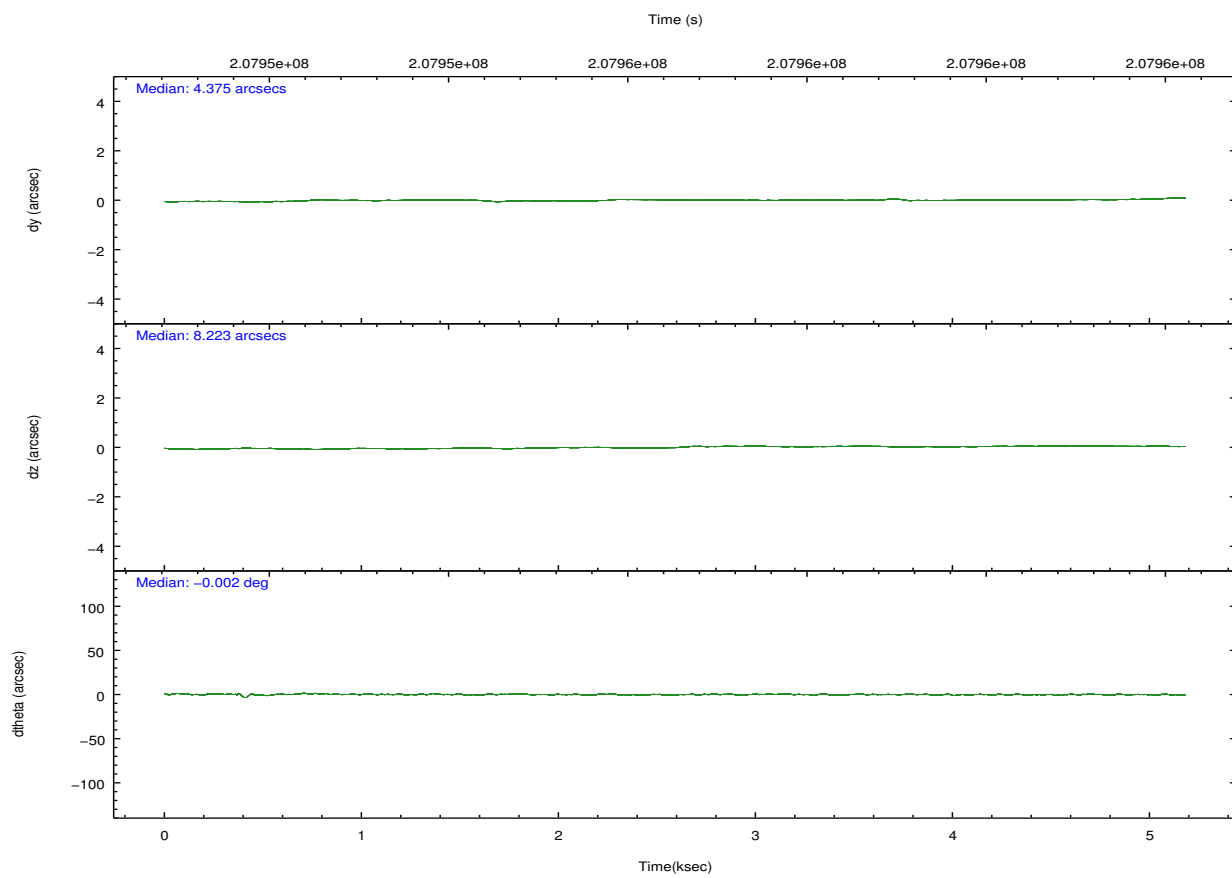
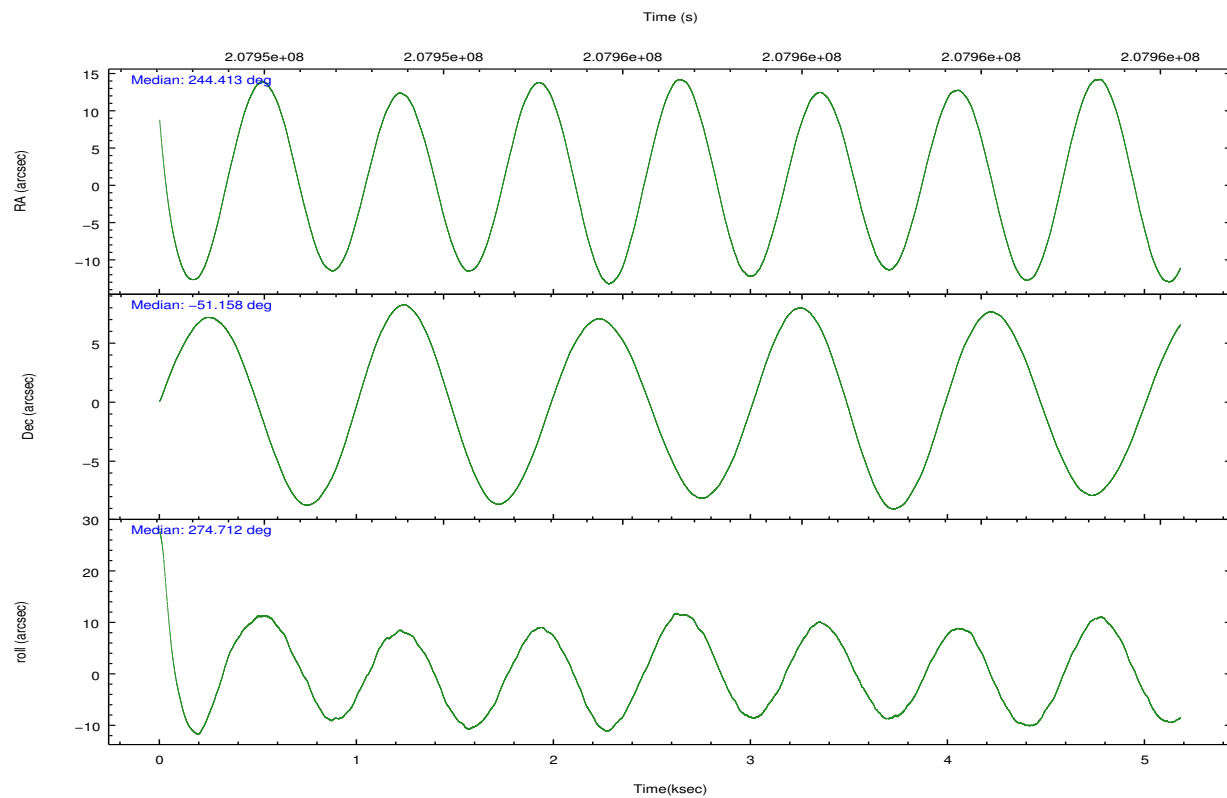
	ccd 3
grade 0 events	12044
	53%
grade 1 events	13
	0%
grade 2 events	1414
	6%
grade 3 events	444
	1%
grade 4 events	482
	2%
grade 5 events	147
	0%
grade 6 events	304
	1%
grade 7 events	7566
	33%

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	244.388121	244.4130604519044	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	-51.135214	-51.15764220020737	Subarray start row	1	1
[deg] Pointing Roll	274.493335	274.7214952643851	Subarray row count	256	256
[mm] SIM focus pos	-0.782348	-0.7809083437167272	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001439871863259334	[s] Primary exposure time	0.000000	0.8
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	207952854.184000	207952066.90632			
Observation start date	2004-08-03T20:39:50	2004-08-03T20:27:46			
[s] Observation end time (MET)	207957854.184000	207958788.34412			
Observation end date	2004-08-03T22:03:10	2004-08-03T22:19:48			
Read mode	TIMED	TIMED			

2.3 Aspect



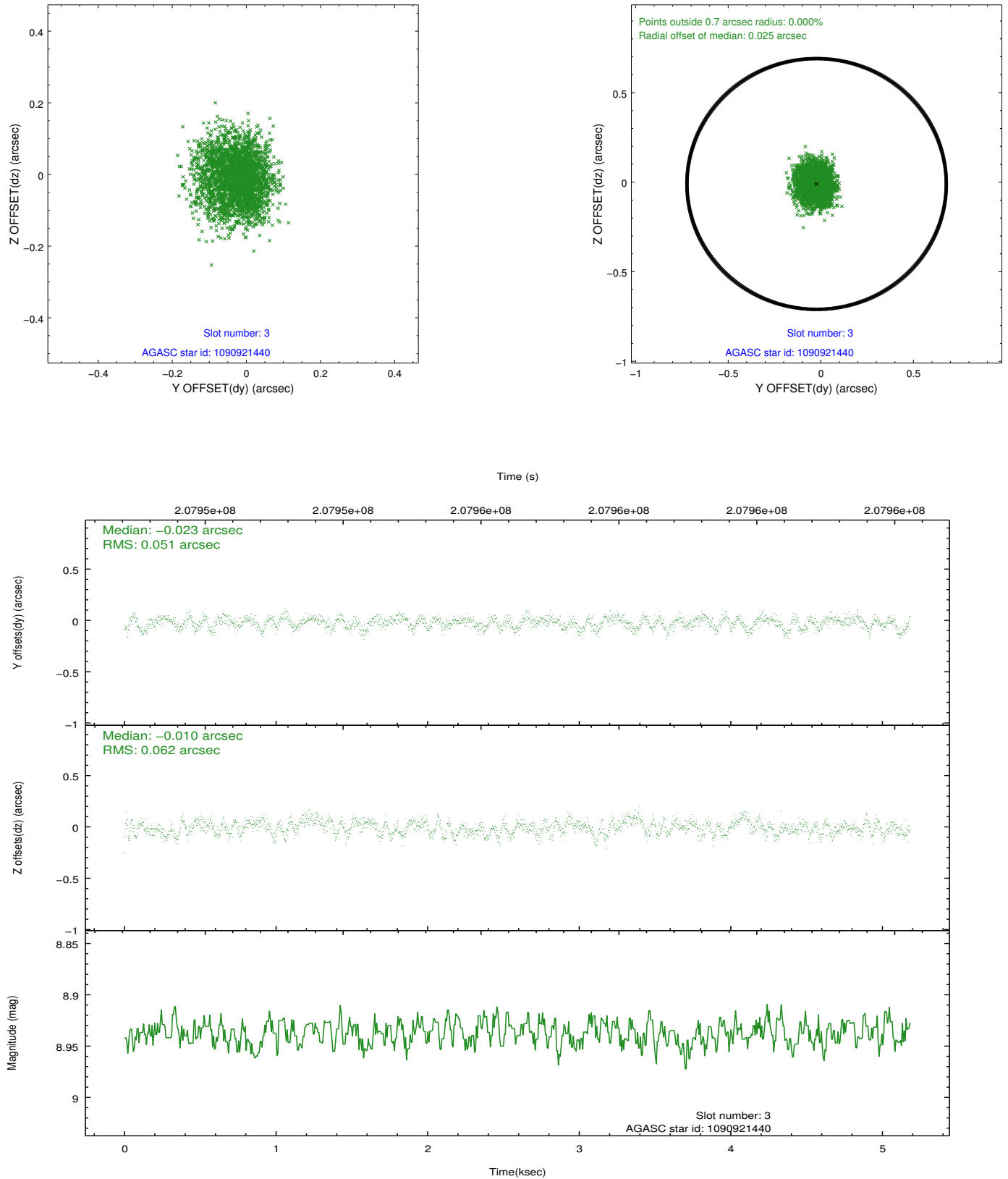


Slot Statistics

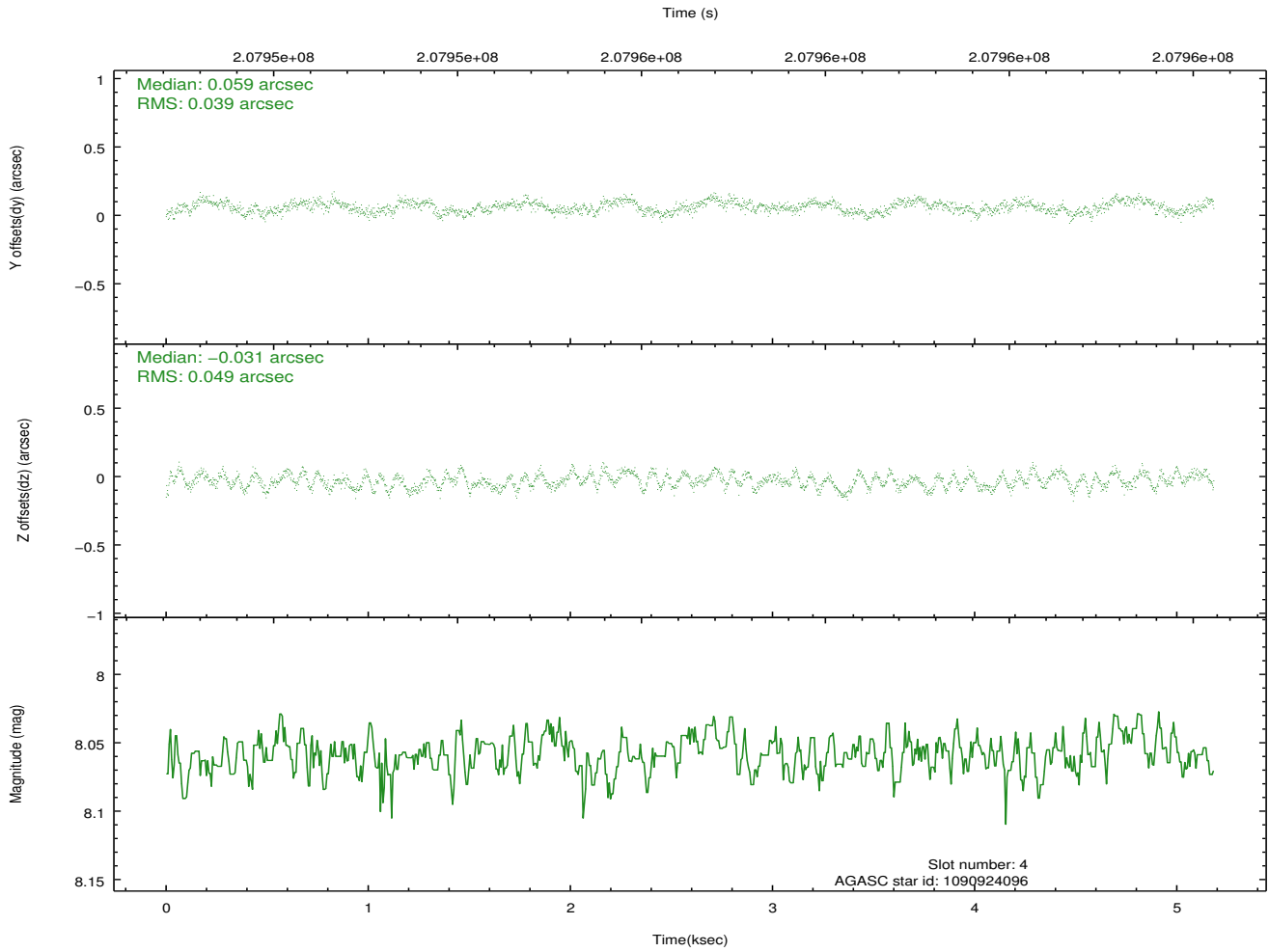
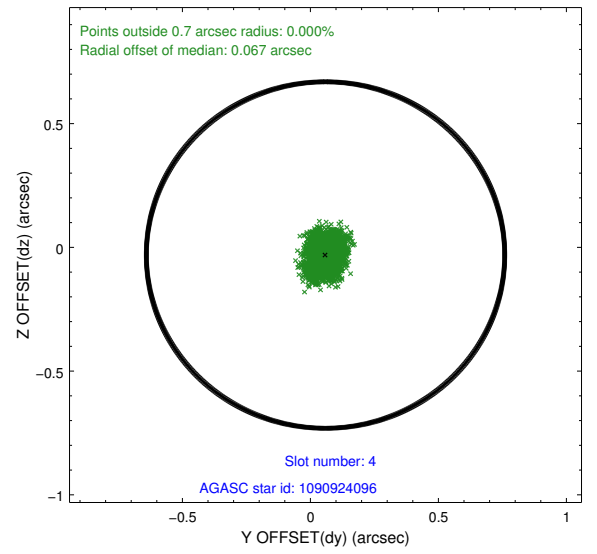
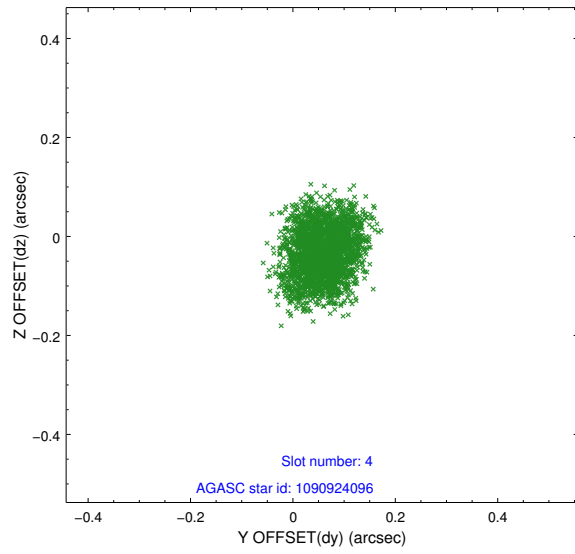
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	1264	0.038	0.019	0.007	0.011	0.000000	0.000000	935.42	-831.63
1	FID	ACIS-I-5	7.23	1264	-0.177	0.060	0.007	0.012	0.000000	0.000000	-1812.25	1065.32
2	FID	ACIS-I-6	7.25	1264	0.048	-0.009	0.007	0.012	0.000000	0.000000	399.71	1711.08
3	GUIDE	1090921440	8.94	2529	-0.023	-0.010	0.086	0.136	243.292741	-50.752608	-1549.43	-2380.42
4	GUIDE	1090924096	8.06	2529	0.059	-0.031	0.067	0.106	243.849549	-51.016855	-515.92	-1183.36
5	GUIDE	1090924384	8.06	2529	-0.011	-0.051	0.056	0.093	243.330505	-50.934017	-892.38	-2336.89
6	GUIDE	1091059112	9.08	2528	-0.077	0.079	0.088	0.138	245.180420	-50.736664	-1279.70	1910.77
7	GUIDE	1090521824	9.14	2526	0.051	0.022	0.089	0.140	244.711253	-50.470098	-2327.74	926.67

2.4 Star Slots

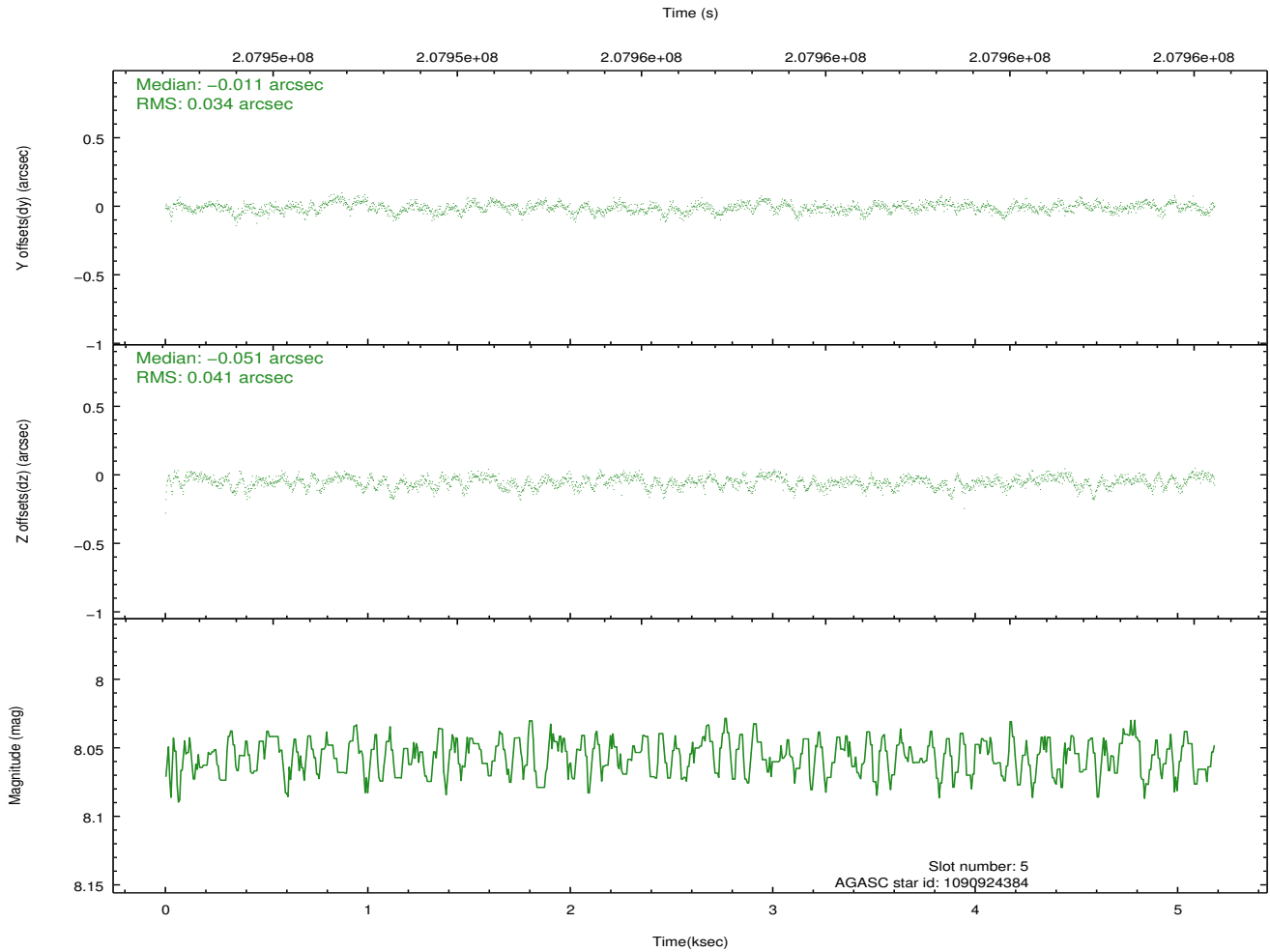
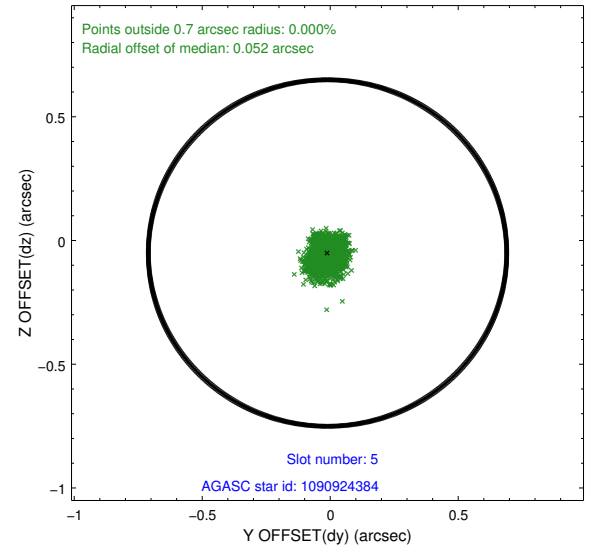
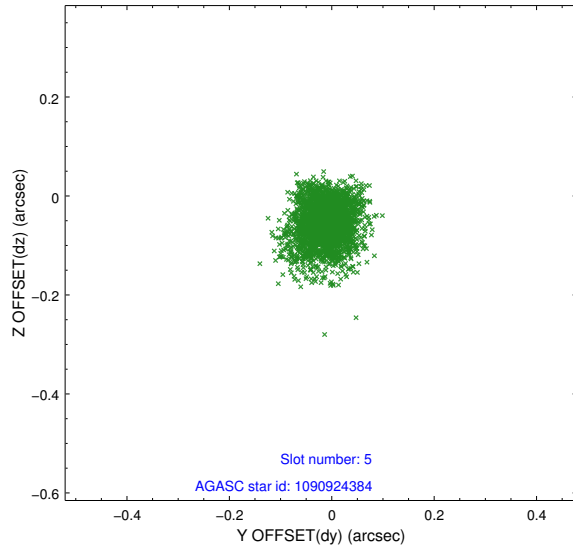
2.4.1 Slot 3



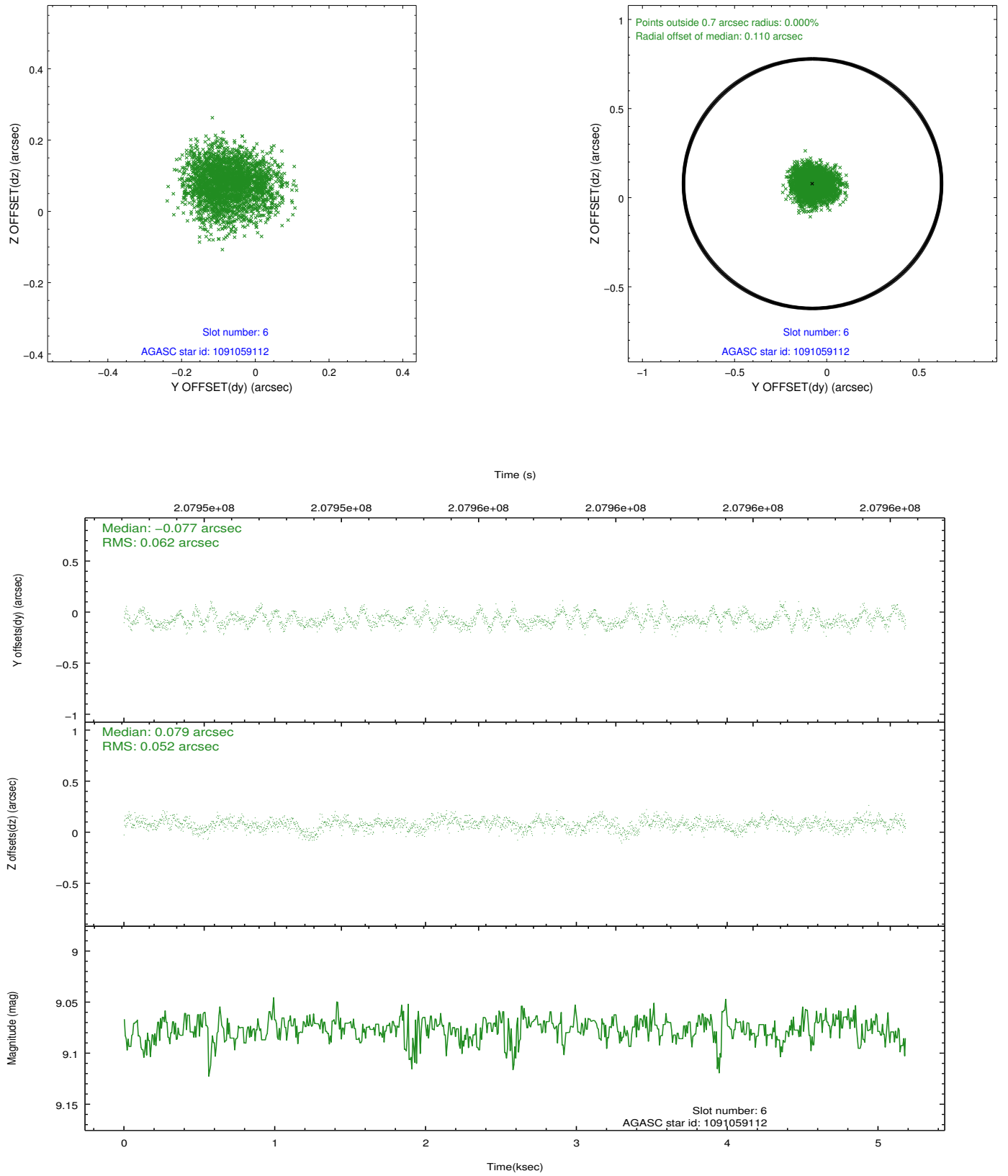
2.4.2 Slot 4



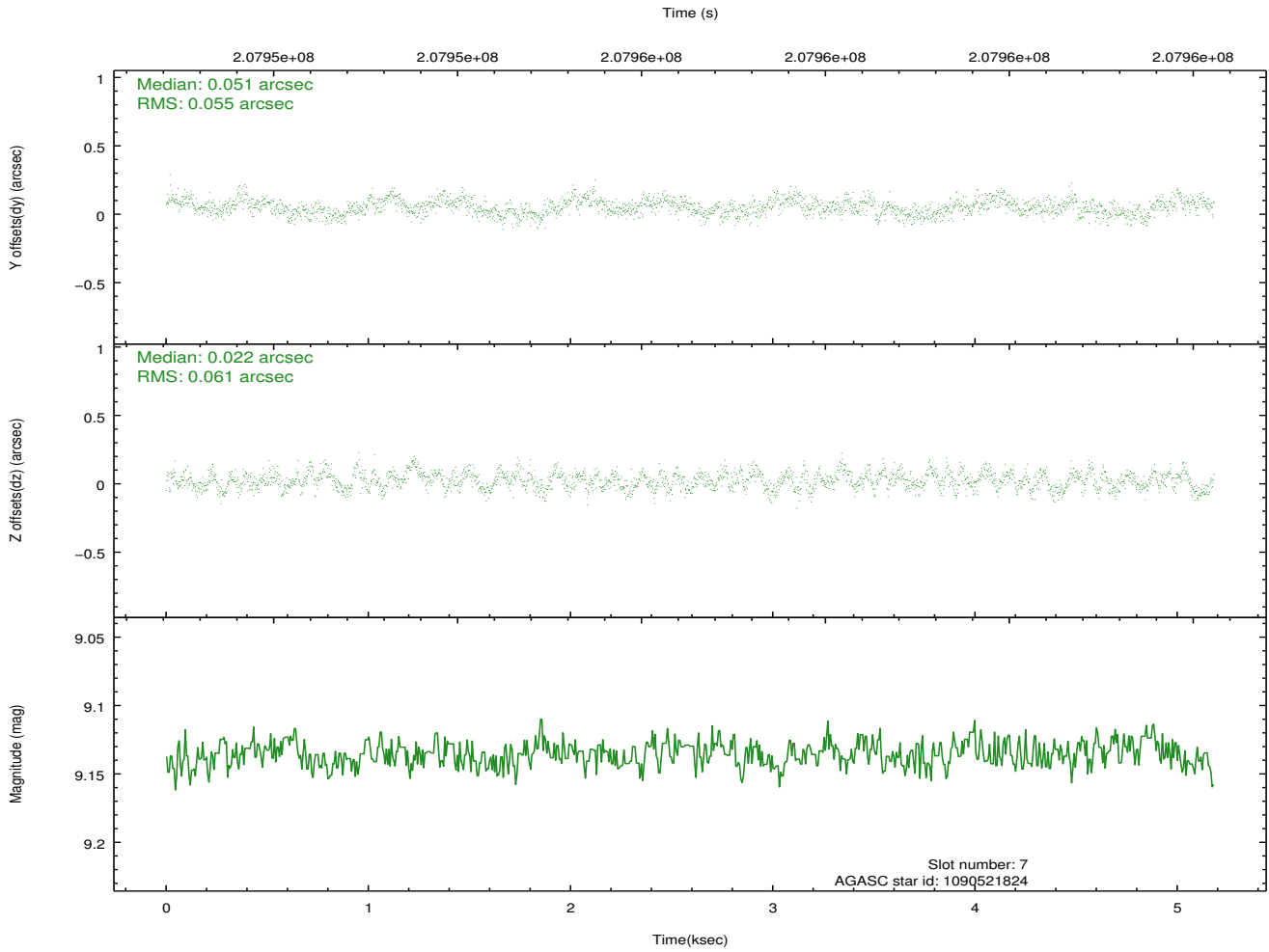
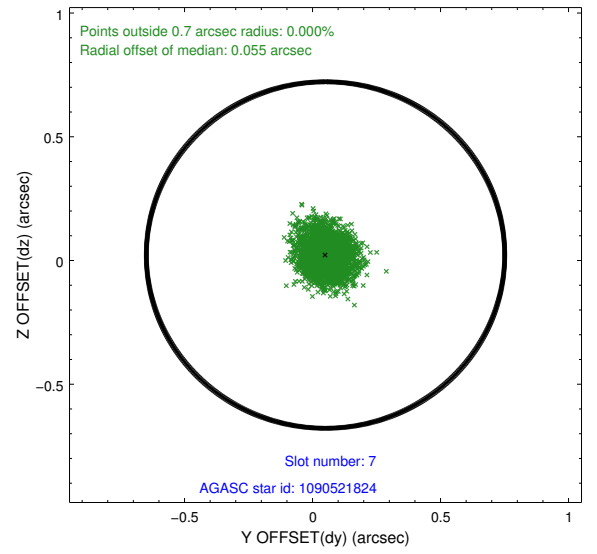
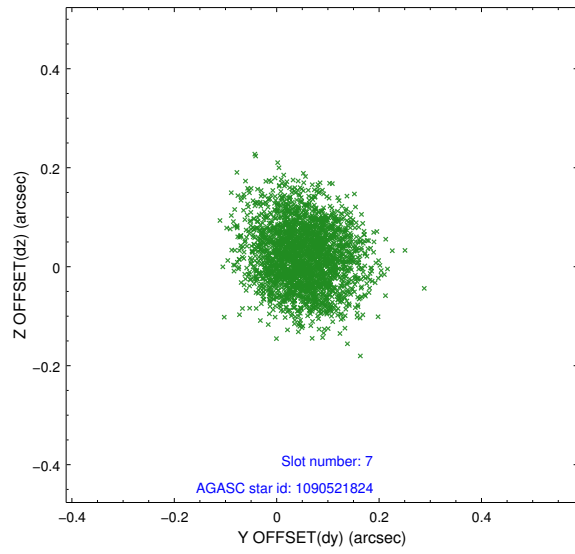
2.4.3 Slot 5



2.4.4 Slot 6

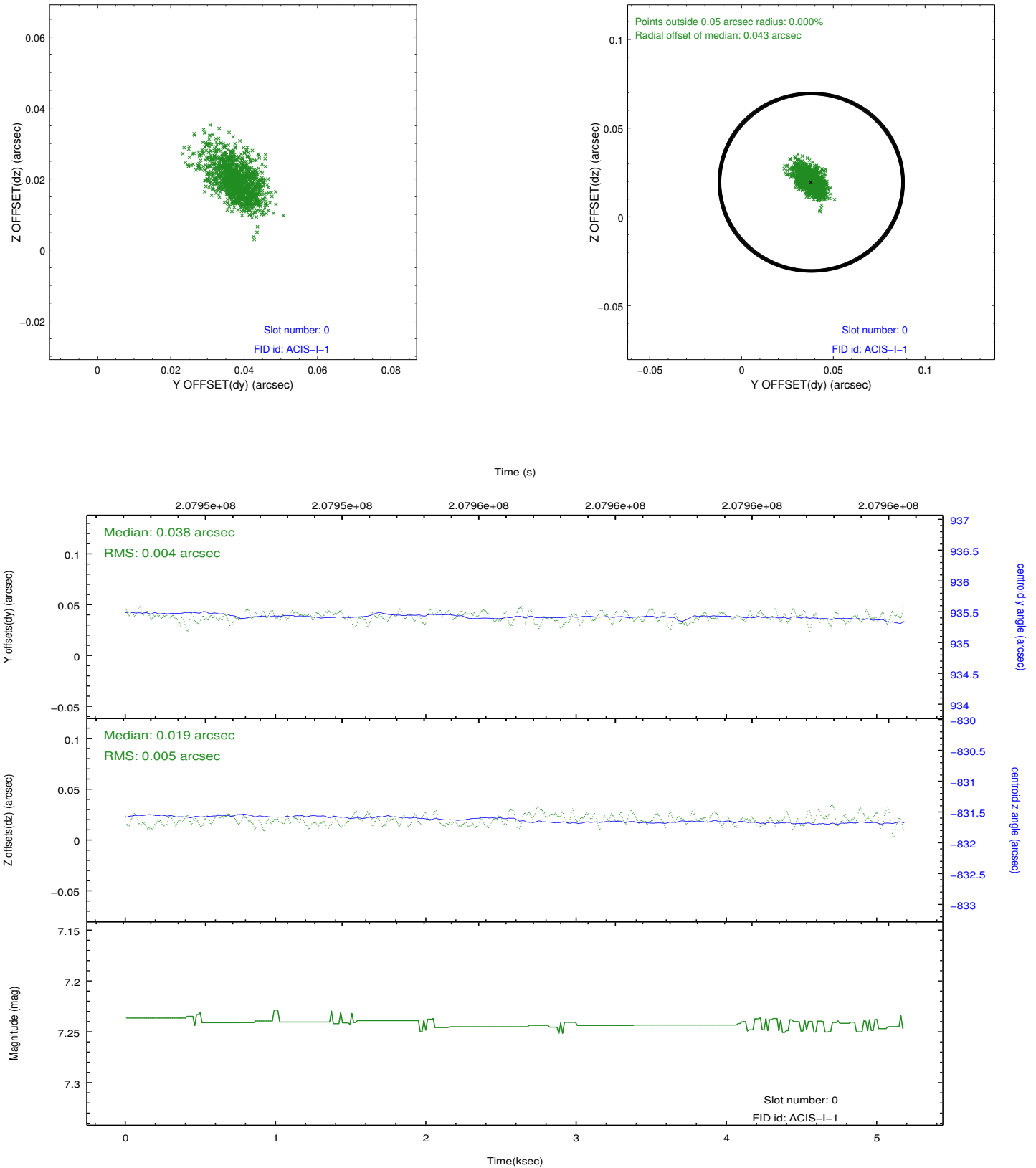


2.4.5 Slot 7

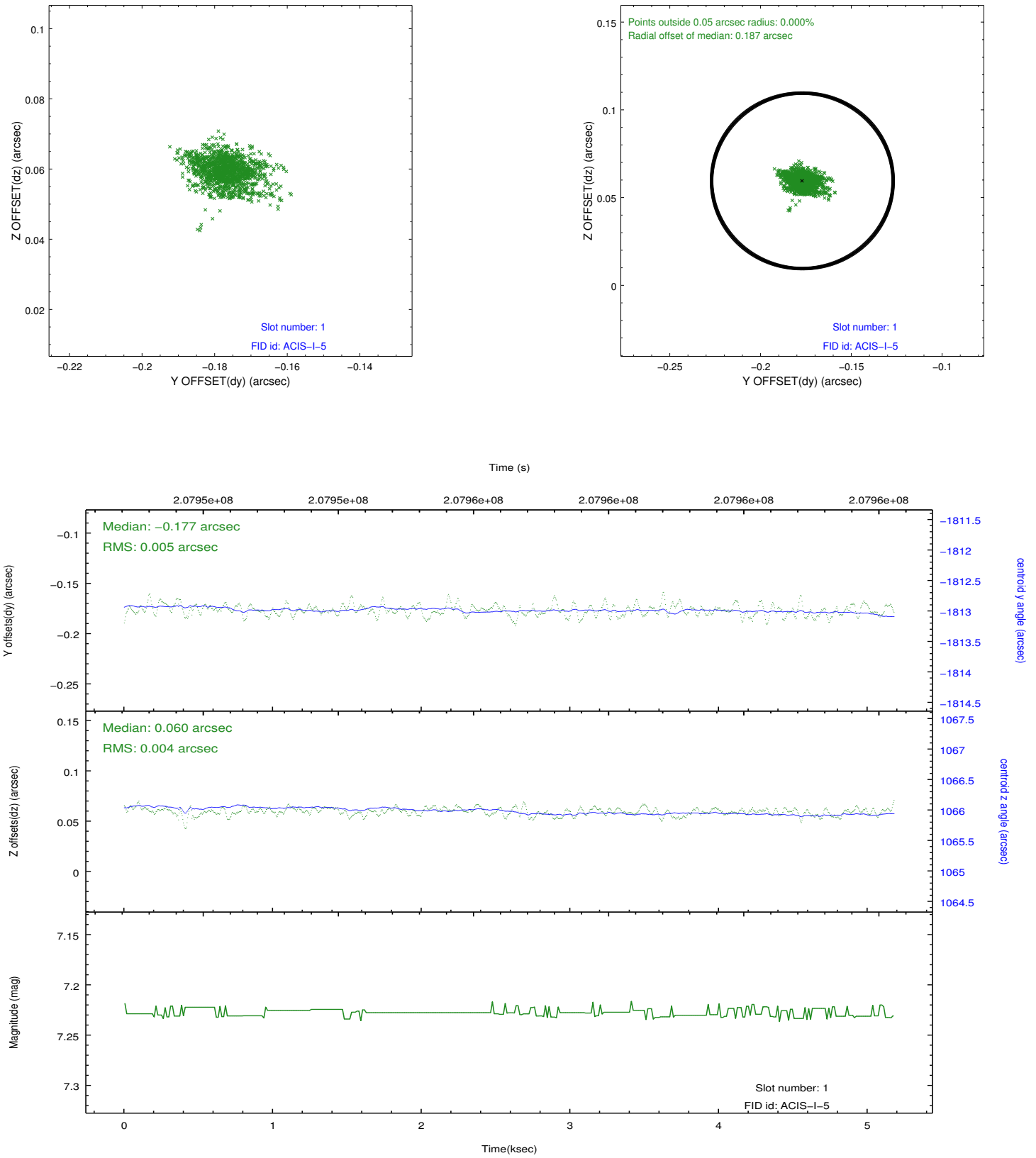


2.5 FID Slots

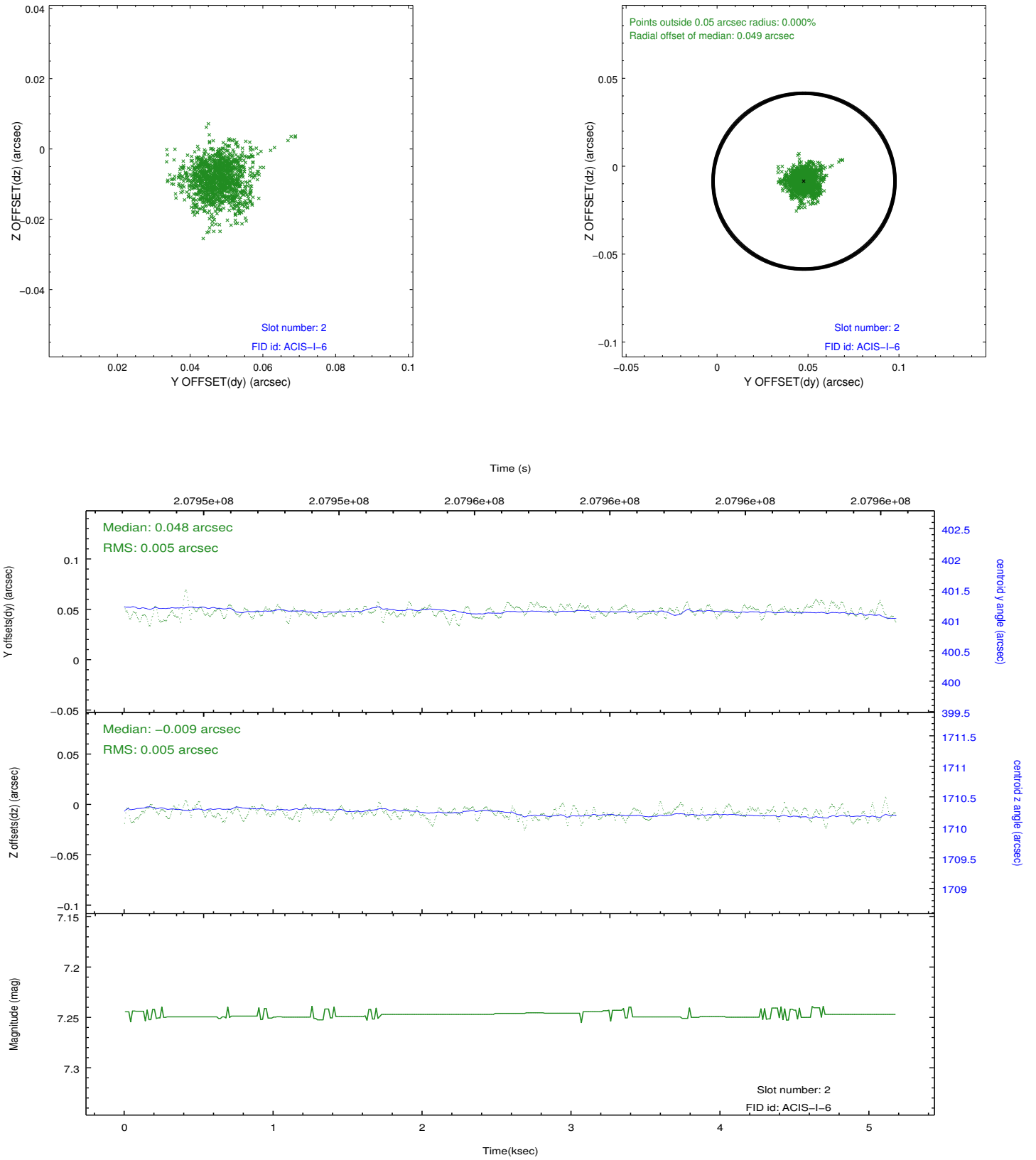
2.5.1 Slot 0



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)	2012.12.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.18

A.2 Comments

Monitor constraint met.