

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11032 - L2 Version 2
Chandra X-Ray Center

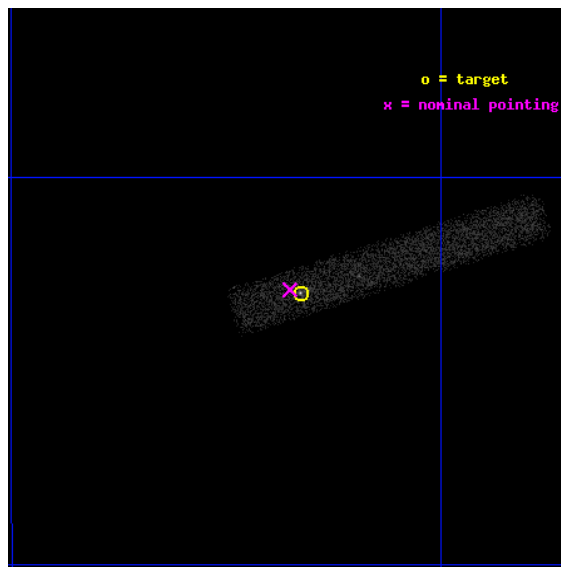
L2 Processing Date : Jun 25 2012

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

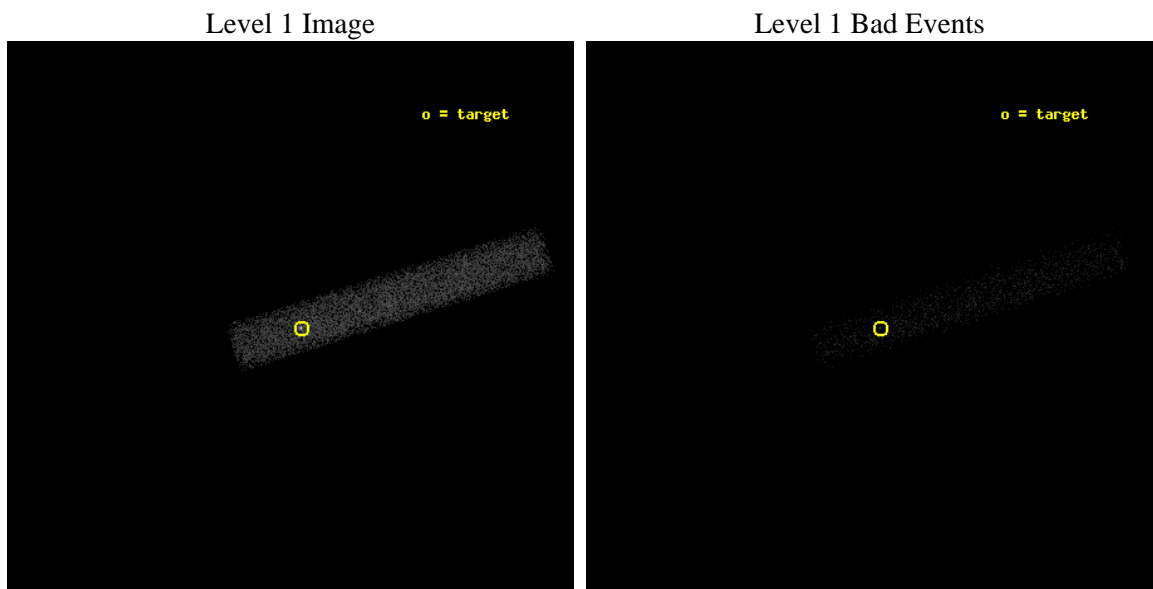
seq_num	401067	Sequence number
obs_id	11032	Observation id
title	An Irradiated Disk in an Ultraluminous X-Ray Source	Proposal title
observer	Prof. Philip Kaaret	Principal investigator
object	NGC 5408 X-1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	210.831667	Observer's specified target RA [deg]
dec_targ	-41.382917	Observer's specified target Dec [deg]
ra_nom	210.83796689319	Nominal RA [deg]
dec_nom	-41.381700262864	Nominal Dec [deg]
roll_nom	342.52143434756	Nominal Roll [deg]
revision	2	Processing version of data
ontime	12170.399274588	Sum of GTIs [s]
livetime	11037.909735704	Livetime [s]
ontime7	12170.399274588	Sum of GTIs [s]
l2events	11022	Number of level 2 events



2 OBI

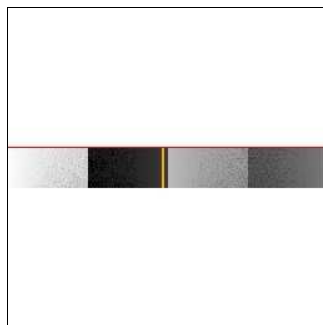
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	12000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	12170.399274588	Sum of GTIs [s]
caldsver	4.4.10	 	ontime7	12170.399274588	Sum of GTIs [s]
date	2012-06-25T09:29:48	Date and time of file creation	l1events	20125	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

	ccd 7
level 1 events	20125
rejected events	8669
rejected %	43%

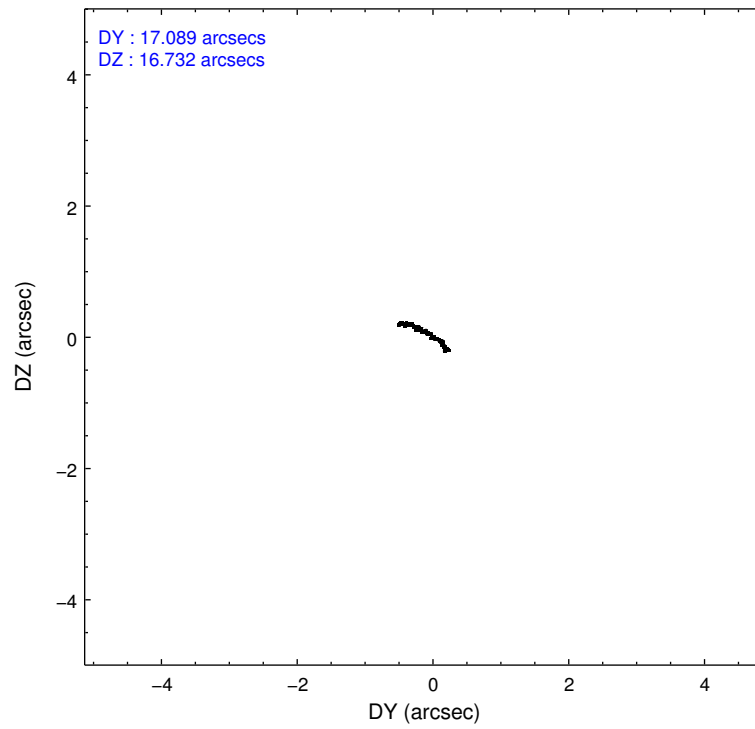
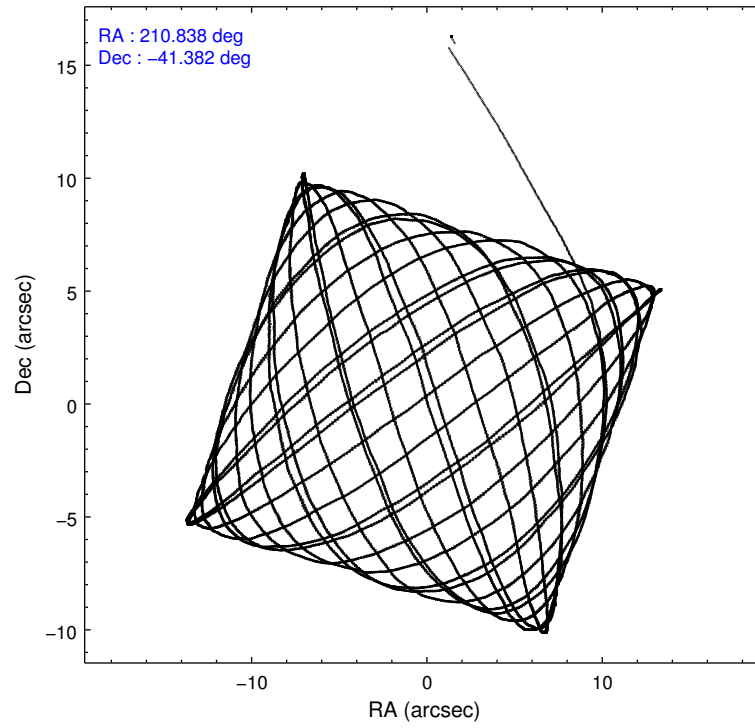
	ccd 7
grade 0 events	2030
	10%
grade 1 events	35
	0%
grade 2 events	2655
	13%
grade 3 events	1545
	7%
grade 4 events	1590
	7%
grade 5 events	1697
	8%
grade 6 events	4198
	20%
grade 7 events	6375
	31%

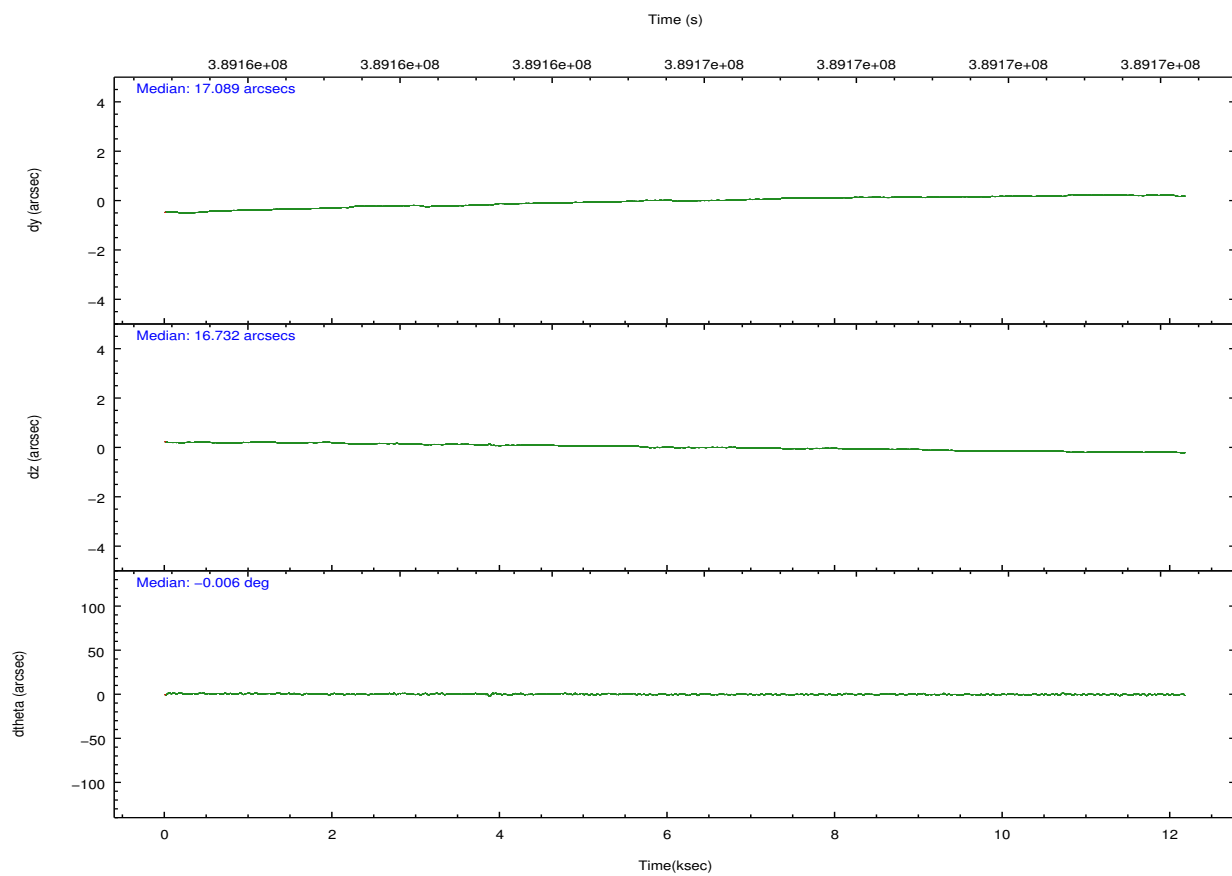
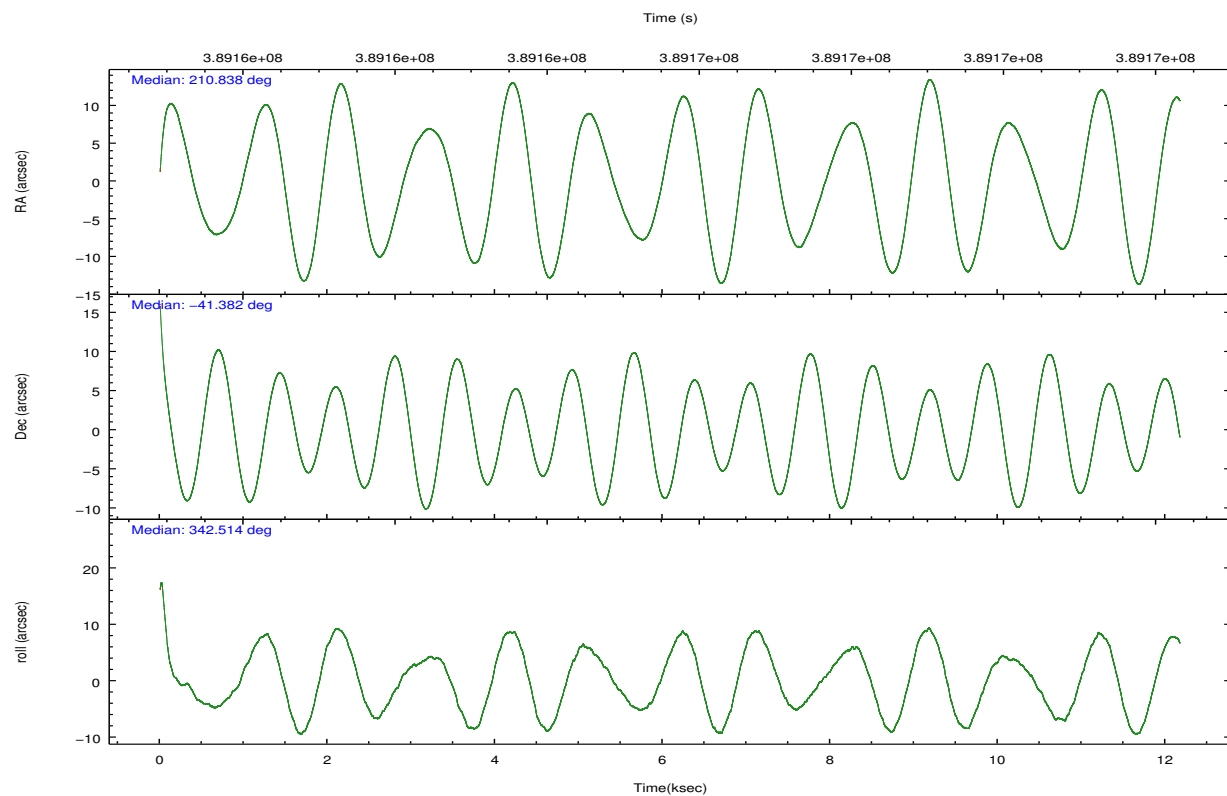
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-7	ACIS-7
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	210.802470	210.8379668931859
[deg] Pointing Dec	-41.388017	-41.38170026286403
[deg] Pointing Roll	342.341315	342.5214343475568
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.001444936568705701
[mm] SIM translation stage pos	-190.132523	-190.1400660498719
[mm] SIM translation stage offset	0	0.00754346686406393
[s] Observation start time (MET)	389159702.184000	389158675.5176
Observation start date	2010-05-02T03:53:56	2010-05-02T03:37:55
[s] Observation end time (MET)	389171702.184000	389172835.38082
Observation end date	2010-05-02T07:13:56	2010-05-02T07:33:55
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	1/8
Subarray start row	449	449
Subarray row count	128	128
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	0.4

2.3 Aspect



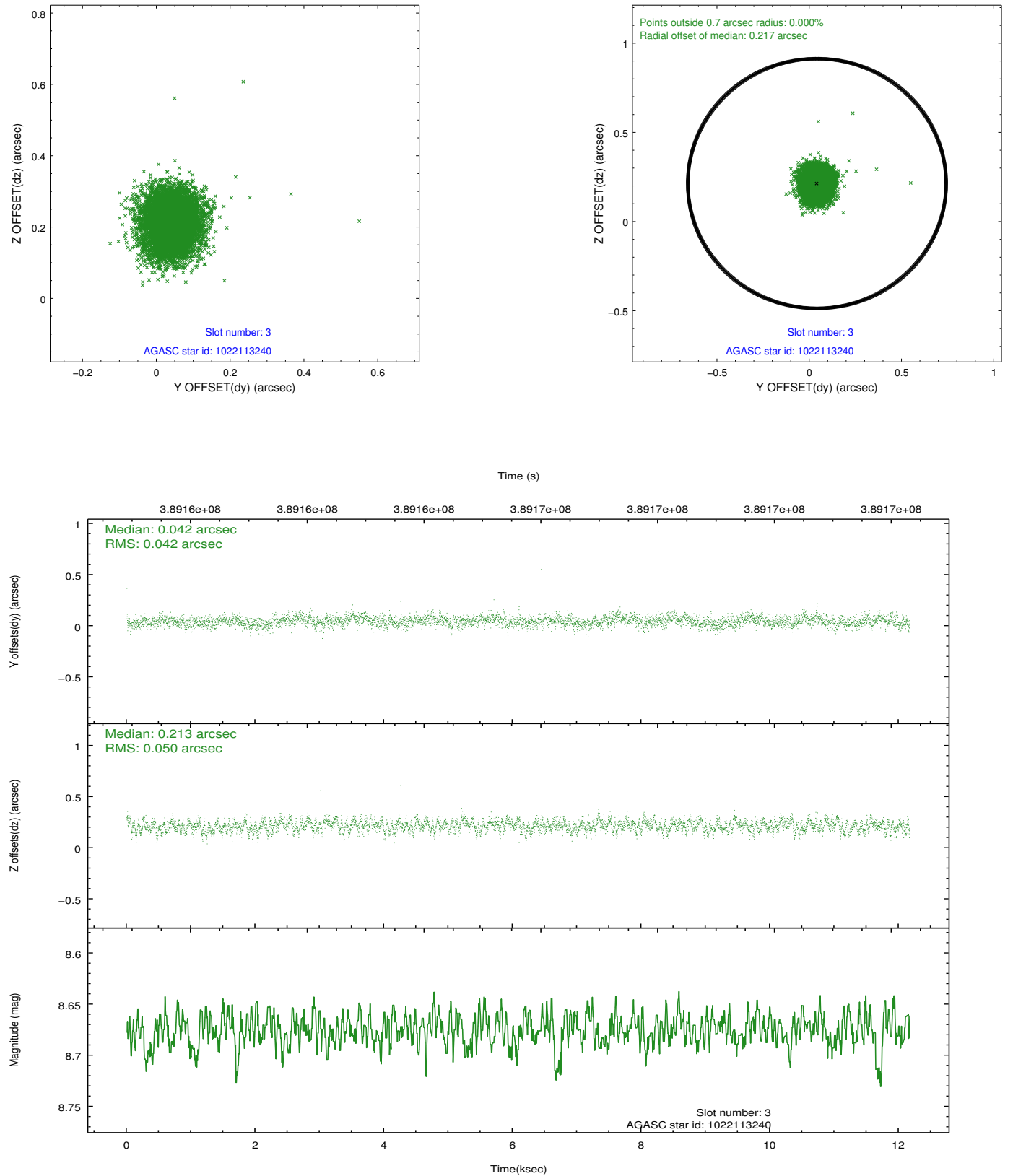


Slot Statistics

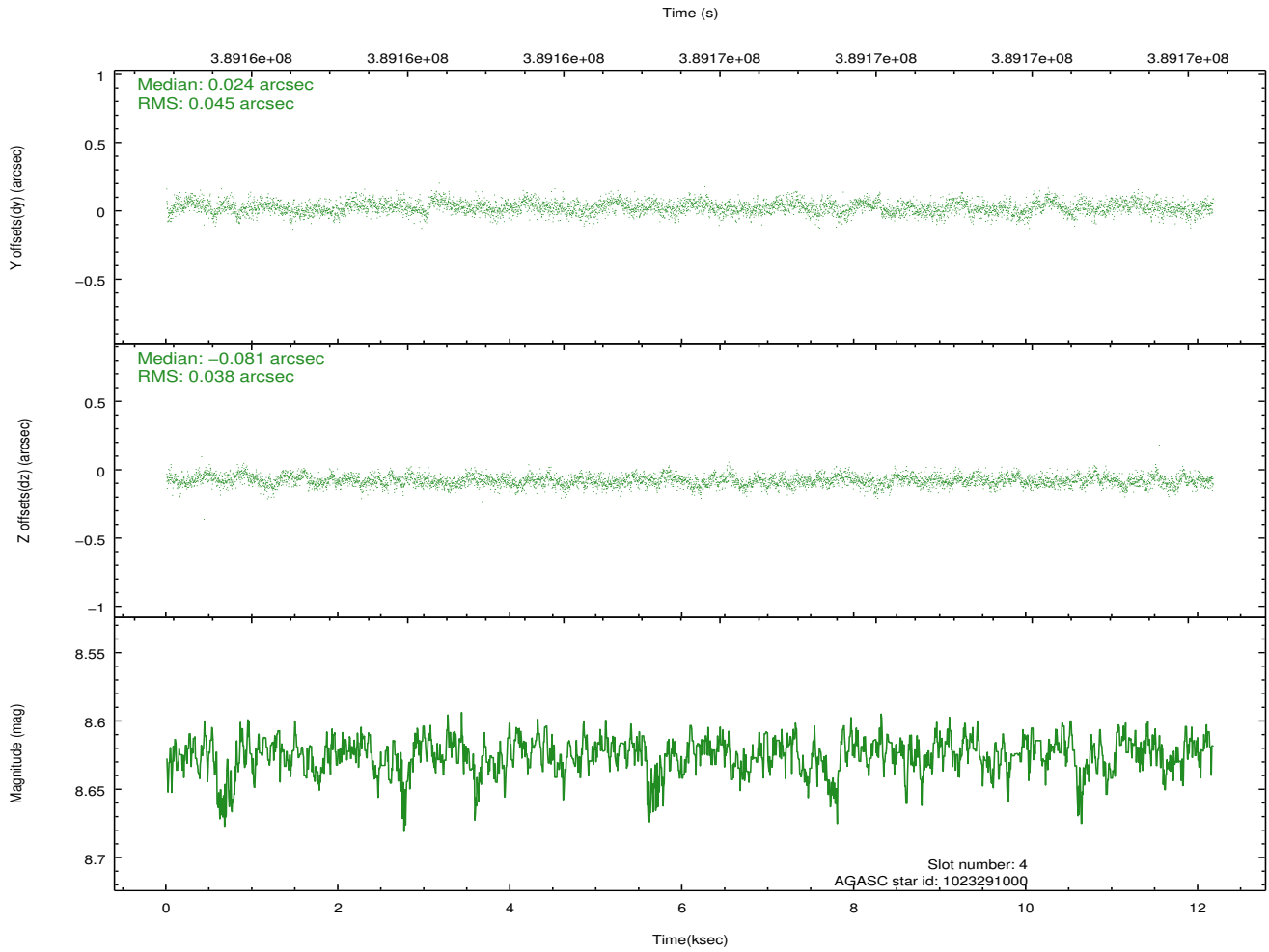
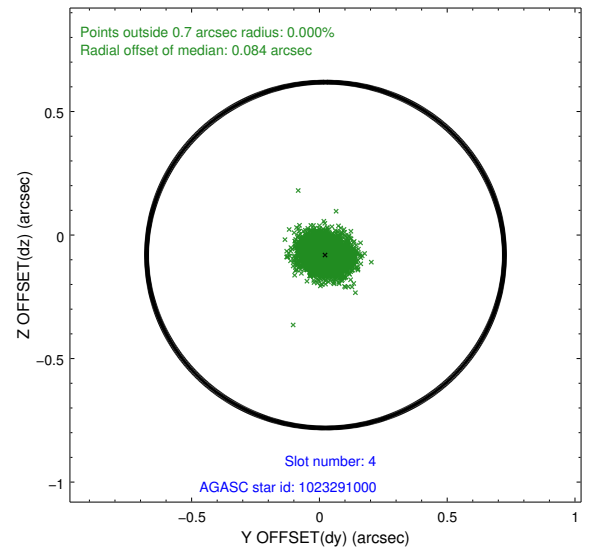
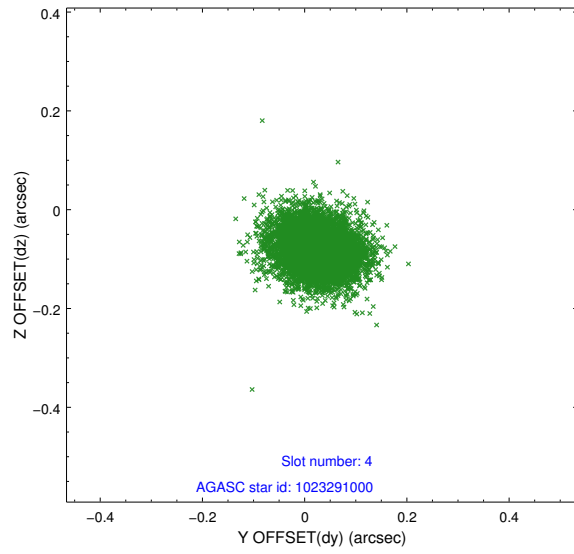
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	6.96	2969	-0.002	-0.072	0.008	0.015	0.000000	0.000000	925.99	-1733.86
1	FID	ACIS-S-4	6.96	2969	0.081	-0.011	0.007	0.012	0.000000	0.000000	2143.67	169.97
2	FID	ACIS-S-6	7.10	2969	-0.103	0.094	0.008	0.014	0.000000	0.000000	392.30	807.86
3	GUIDE	1022113240	8.68	5934	0.042	0.213	0.069	0.111	209.911894	-41.827693	-1792.01	-2244.54
4	GUIDE	1023291000	8.62	5935	0.024	-0.081	0.062	0.102	210.097476	-41.108006	-2125.79	372.27
5	GUIDE	1023291688	8.66	5936	0.092	-0.249	0.067	0.110	210.168569	-41.185177	-1856.10	168.66
6	GUIDE	1023822680	8.86	5931	0.000	-0.080	0.081	0.130	211.176618	-41.286245	853.49	653.94
7	GUIDE	1023824024	7.53	5937	-0.158	0.199	0.058	0.090	210.697872	-41.987484	388.49	-2140.97

2.4 Star Slots

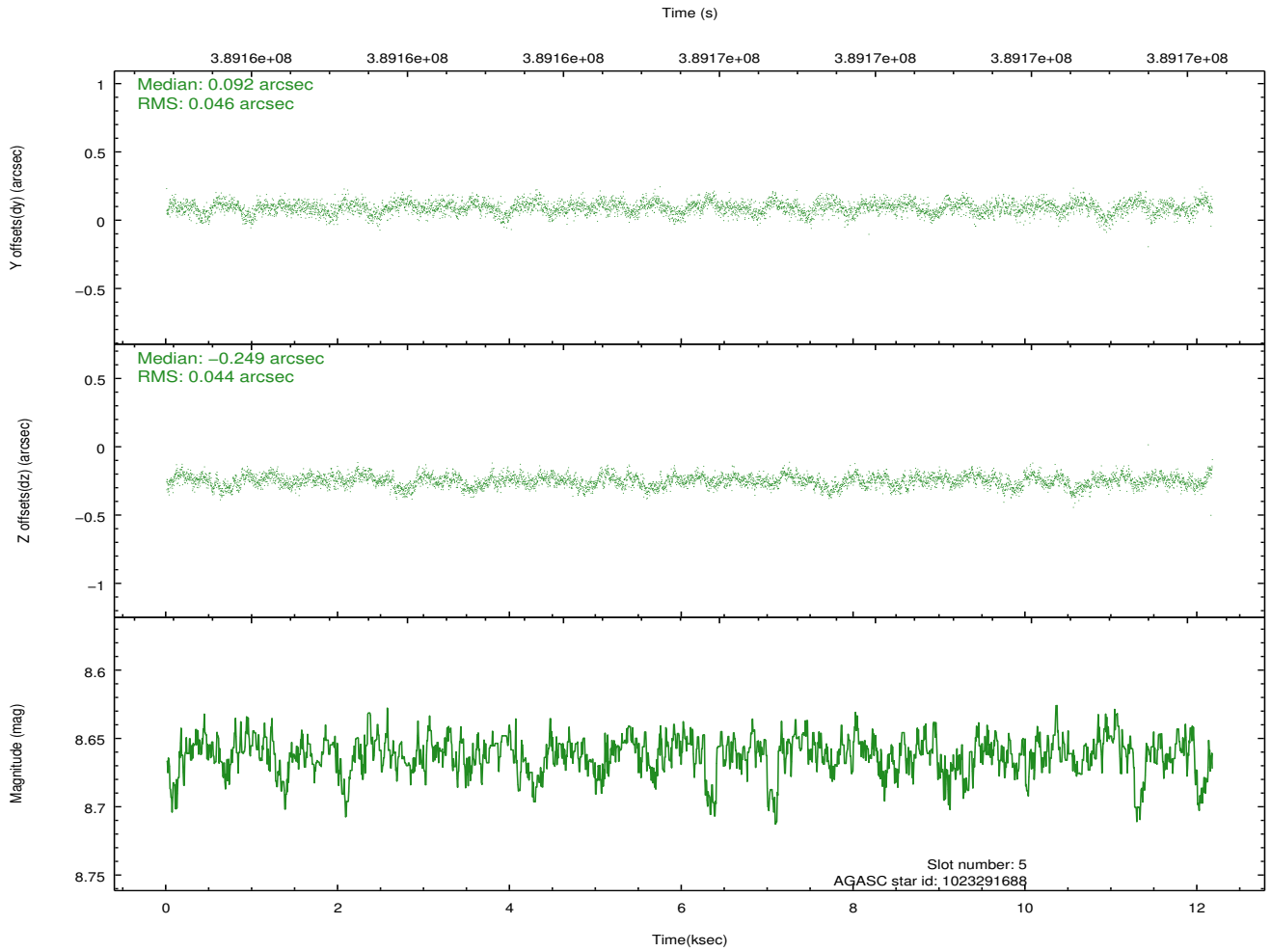
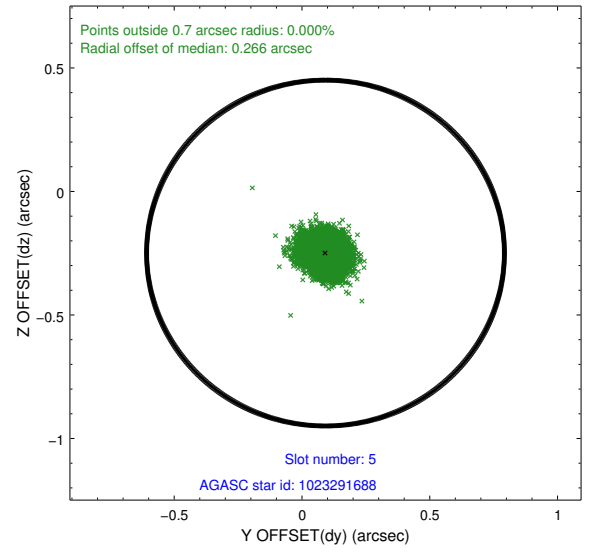
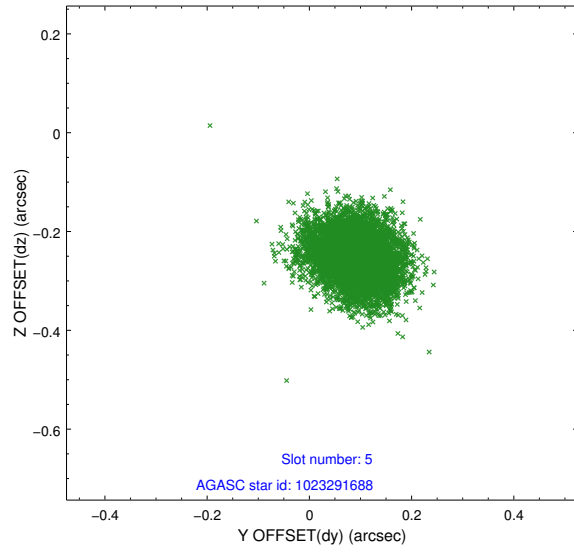
2.4.1 Slot 3



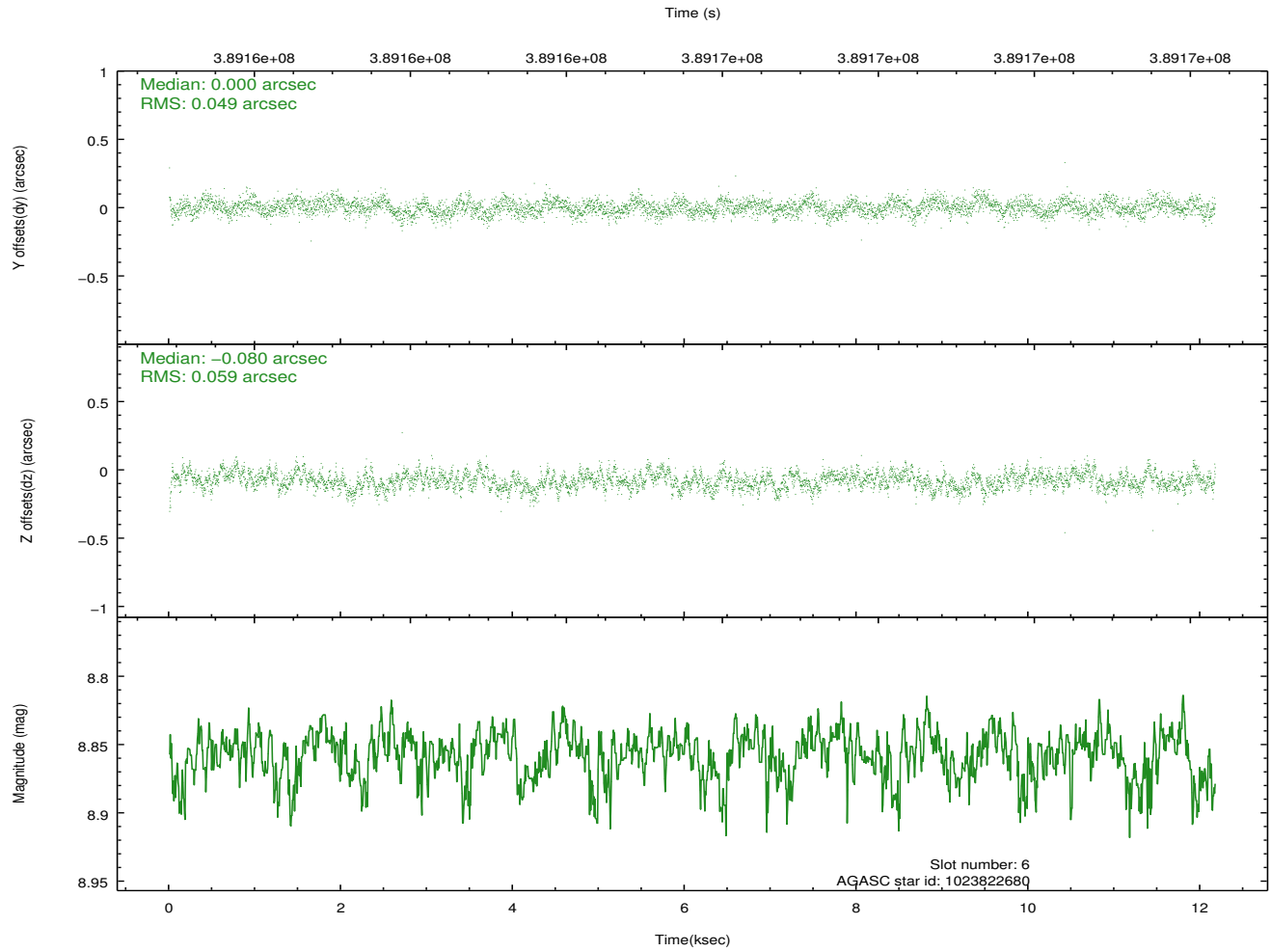
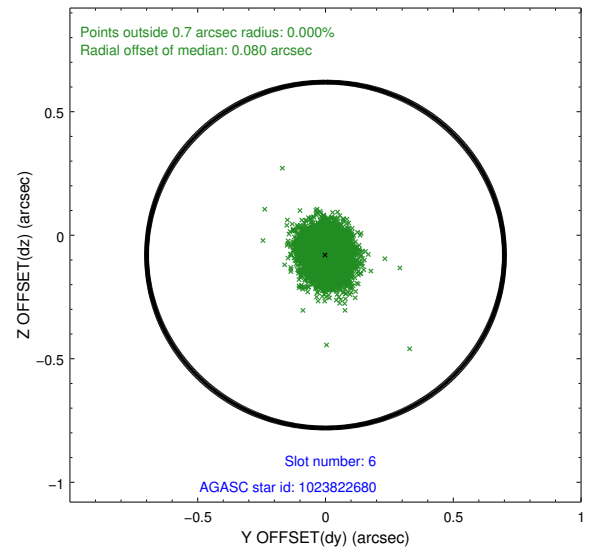
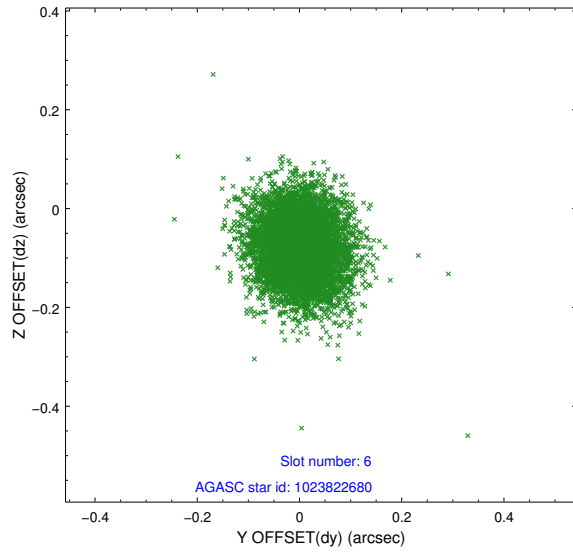
2.4.2 Slot 4



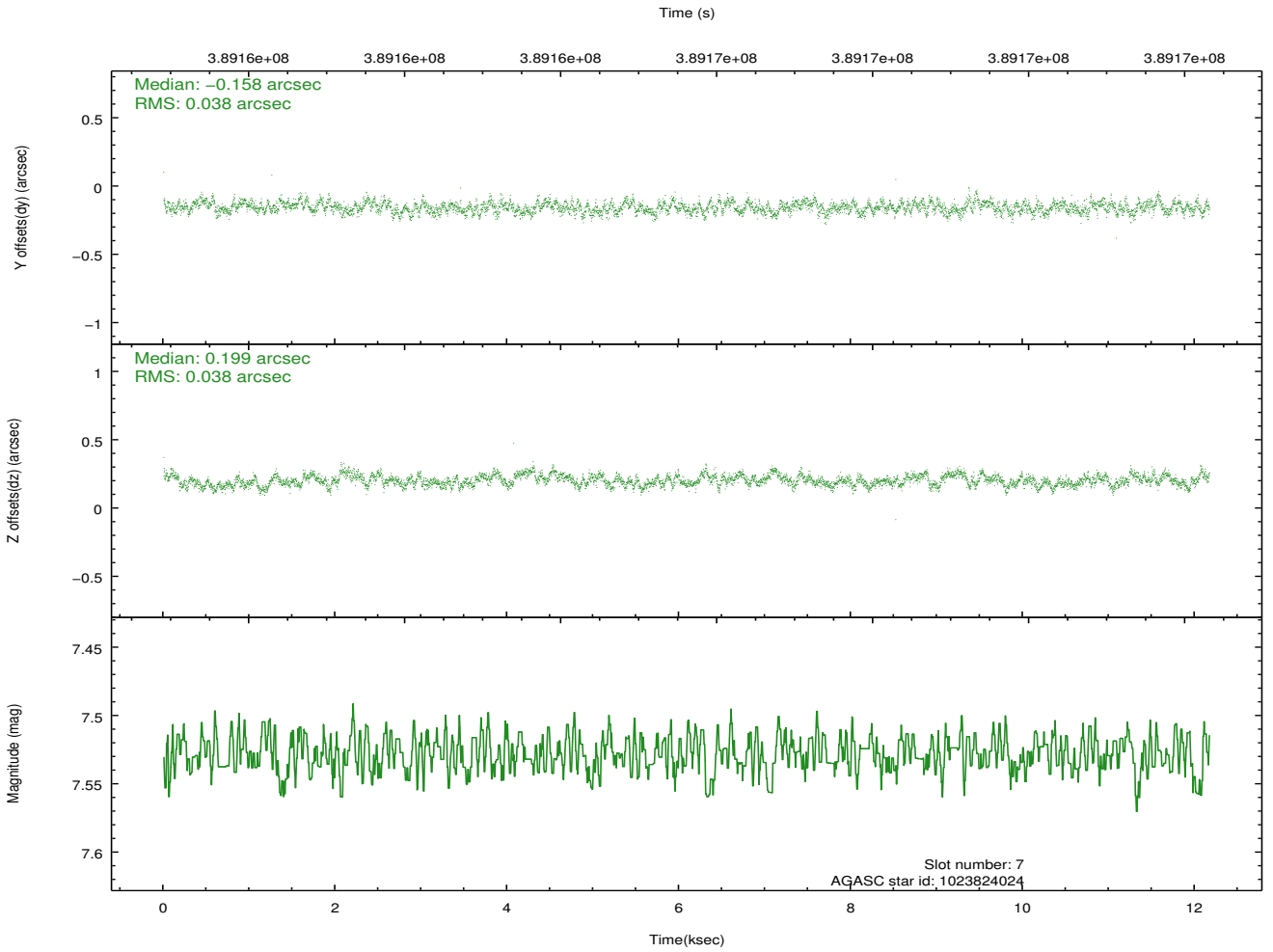
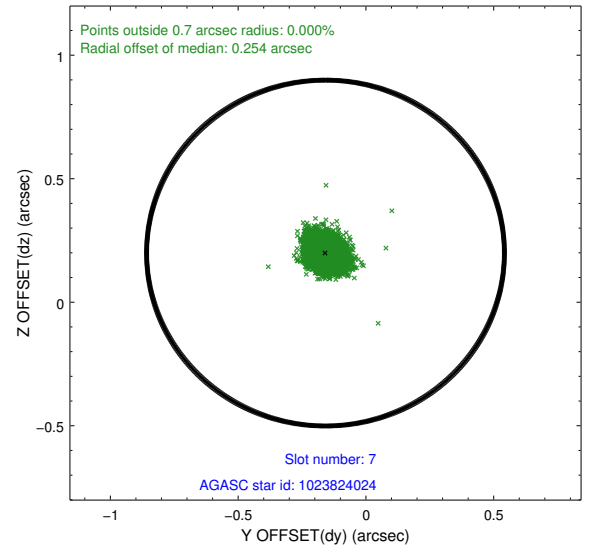
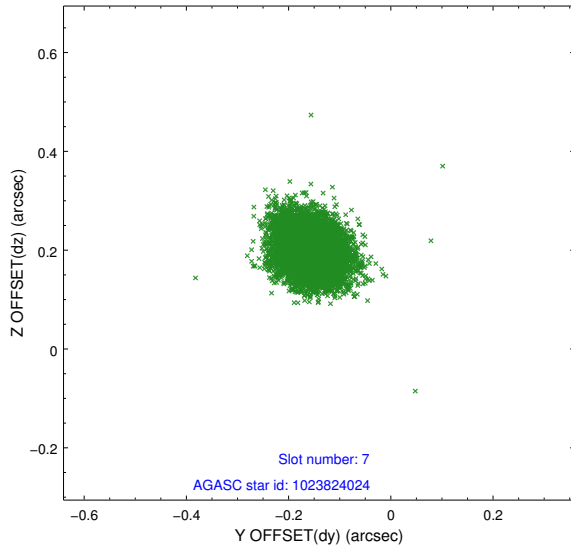
2.4.3 Slot 5



2.4.4 Slot 6

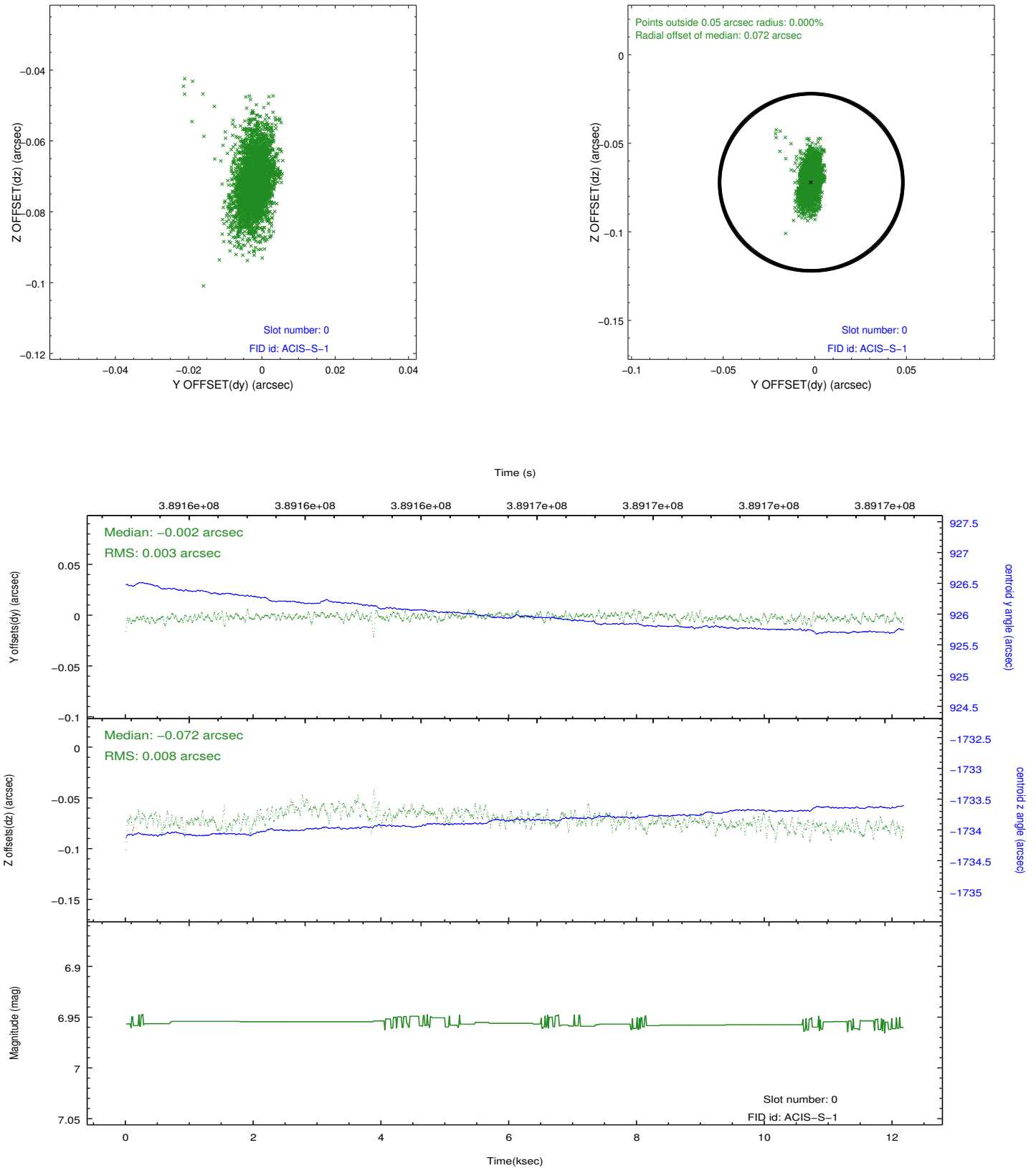


2.4.5 Slot 7

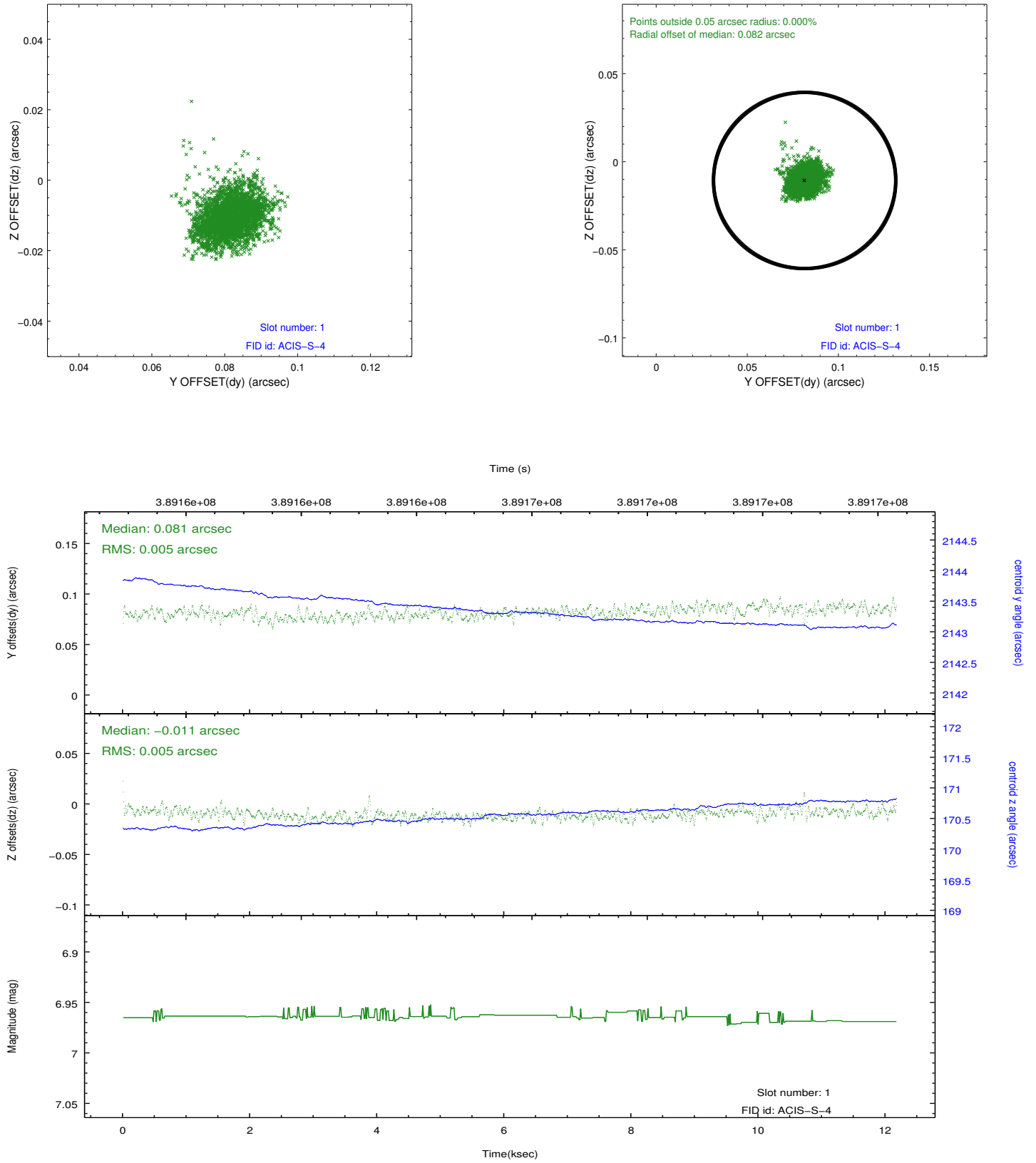


2.5 FID Slots

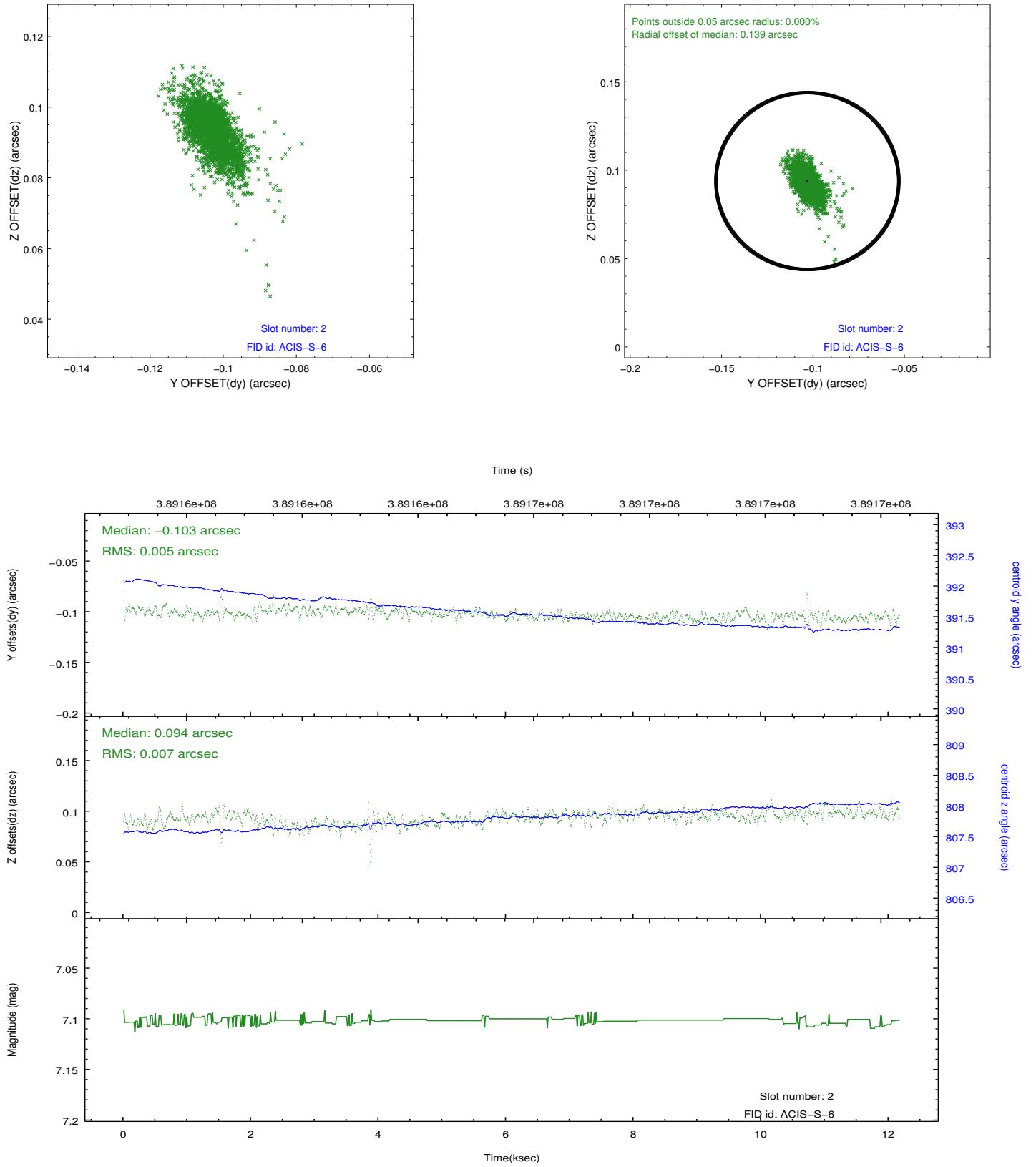
2.5.1 Slot 0



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)	2012.07.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	12.1703992

A.2 Comments

Joint proposal with HST.