

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 13619 - L2 Version 1
Chandra X-Ray Center

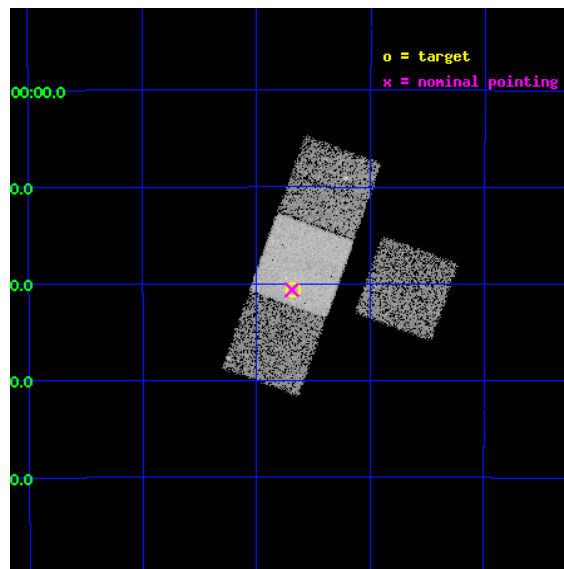
L2 Processing Date : Aug 20 2012

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1 Front

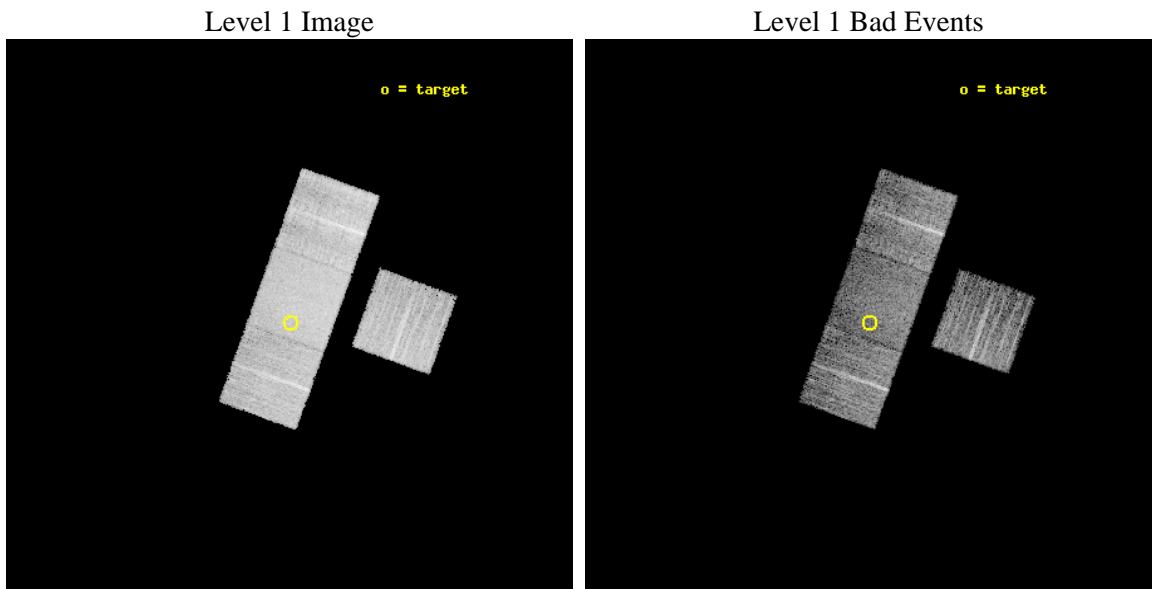
seq_num	200773	Sequence number
obs_id	13619	Observation id
title	The X-ray puzzle of late B and early A stars	Proposal title
observer	Dr. Jan Robrate	Principal investigator
object	HD 175362	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	284.16875	Observer's specified target RA [deg]
dec_targ	-37.34325	Observer's specified target Dec [deg]
ra_nom	284.17251076563	Nominal RA [deg]
dec_nom	-37.343938212212	Nominal Dec [deg]
roll_nom	289.85758214568	Nominal Roll [deg]
revision	1	Processing version of data
ontime	11075.890137374	Sum of GTIs [s]
livetime	10931.175478778	Livetime [s]
ontime3	11075.808057368	Sum of GTIs [s]
ontime6	11075.849097371	Sum of GTIs [s]
ontime7	11075.890137374	Sum of GTIs [s]
ontime8	11075.767017365	Sum of GTIs [s]
l2events	52468	Number of level 2 events



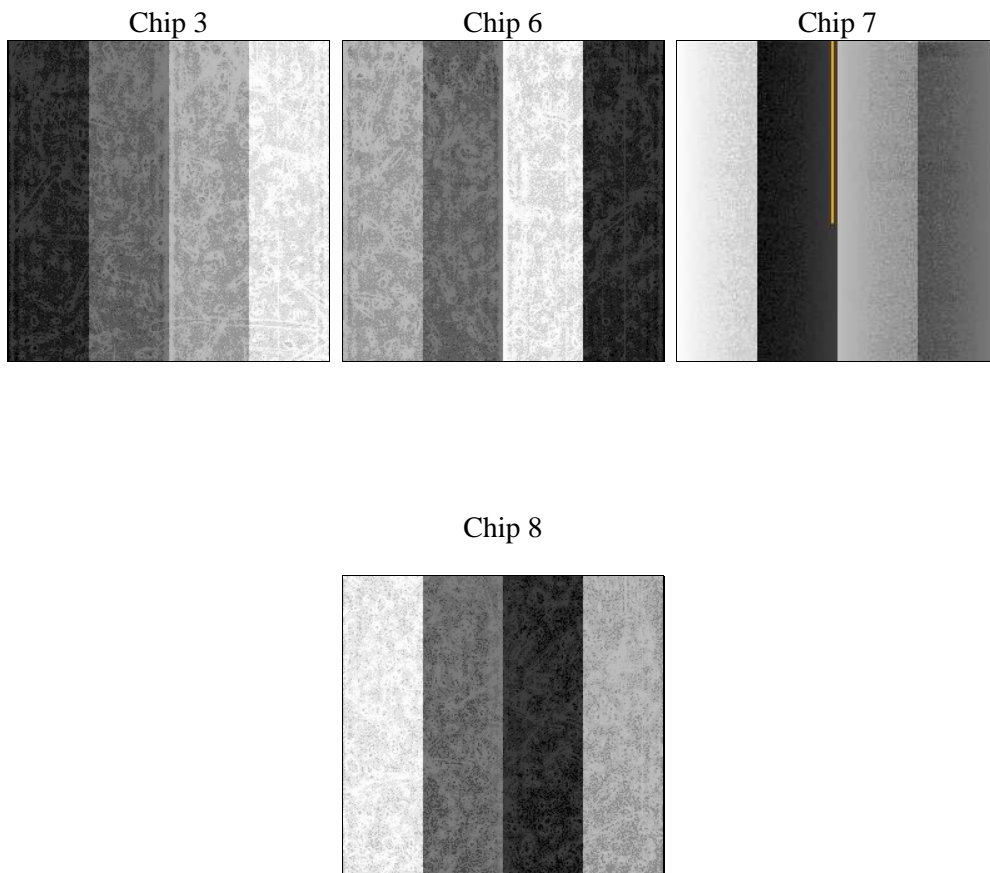
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	11000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	11075.890137374	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime3	11075.808057368	Sum of GTIs [s]
date	2012-08-20T17:49:14	Date and time of file creation	ontime6	11075.849097371	Sum of GTIs [s]
revision	1	Processing version of data	ontime7	11075.890137374	Sum of GTIs [s]
			ontime8	11075.767017365	Sum of GTIs [s]
			l1events	259519	Number of level 1 events

2.1.4 Events

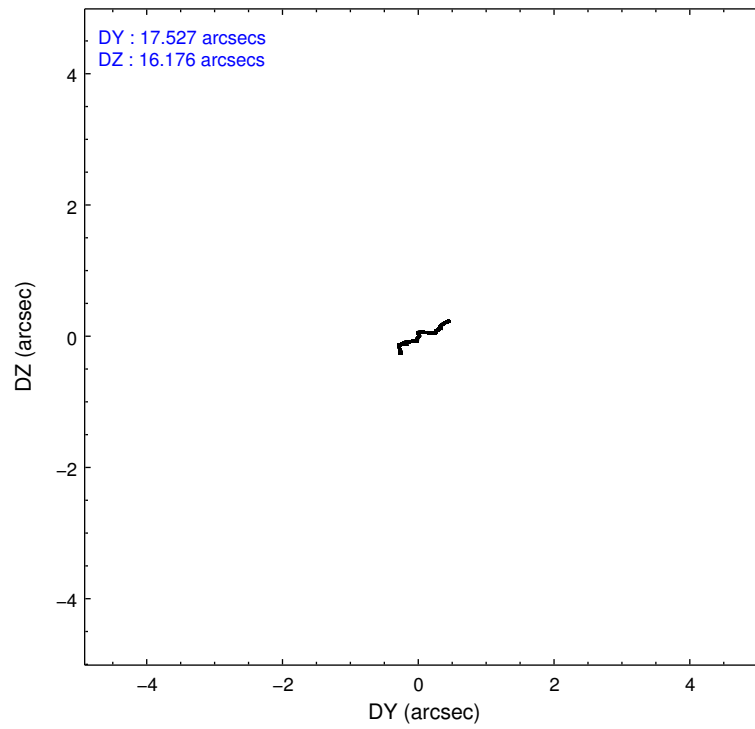
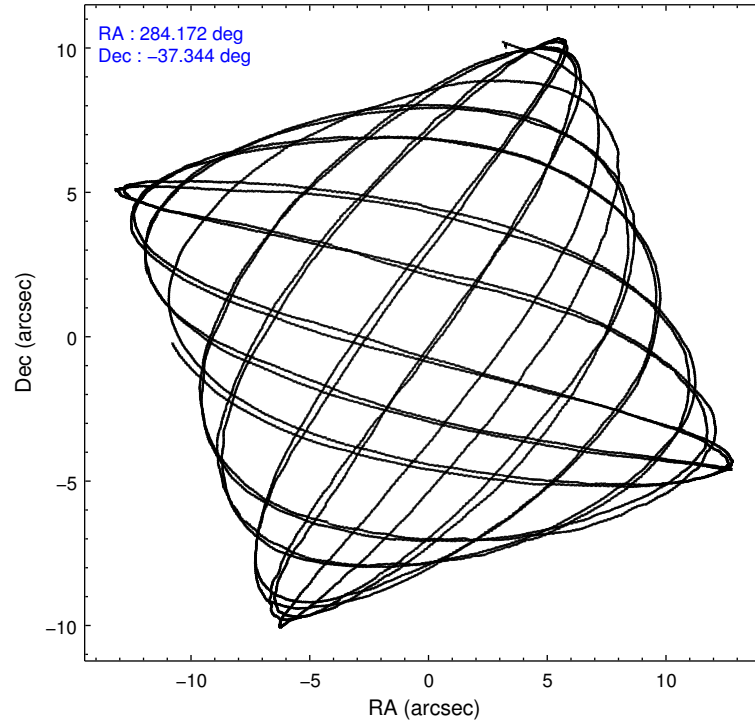
	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	54932	56969	75235	72383
rejected events	48650	49873	41374	53238
rejected %	88%	87%	54%	73%

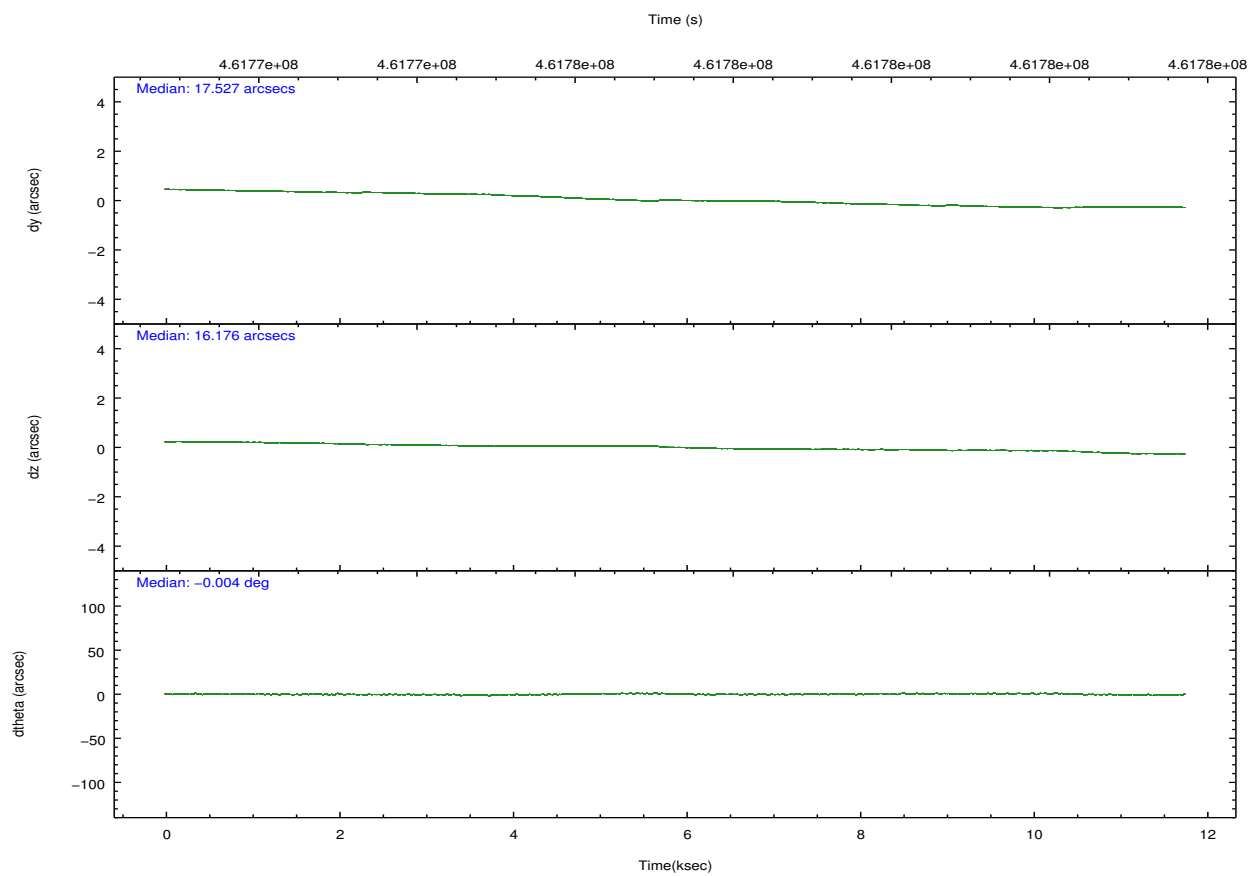
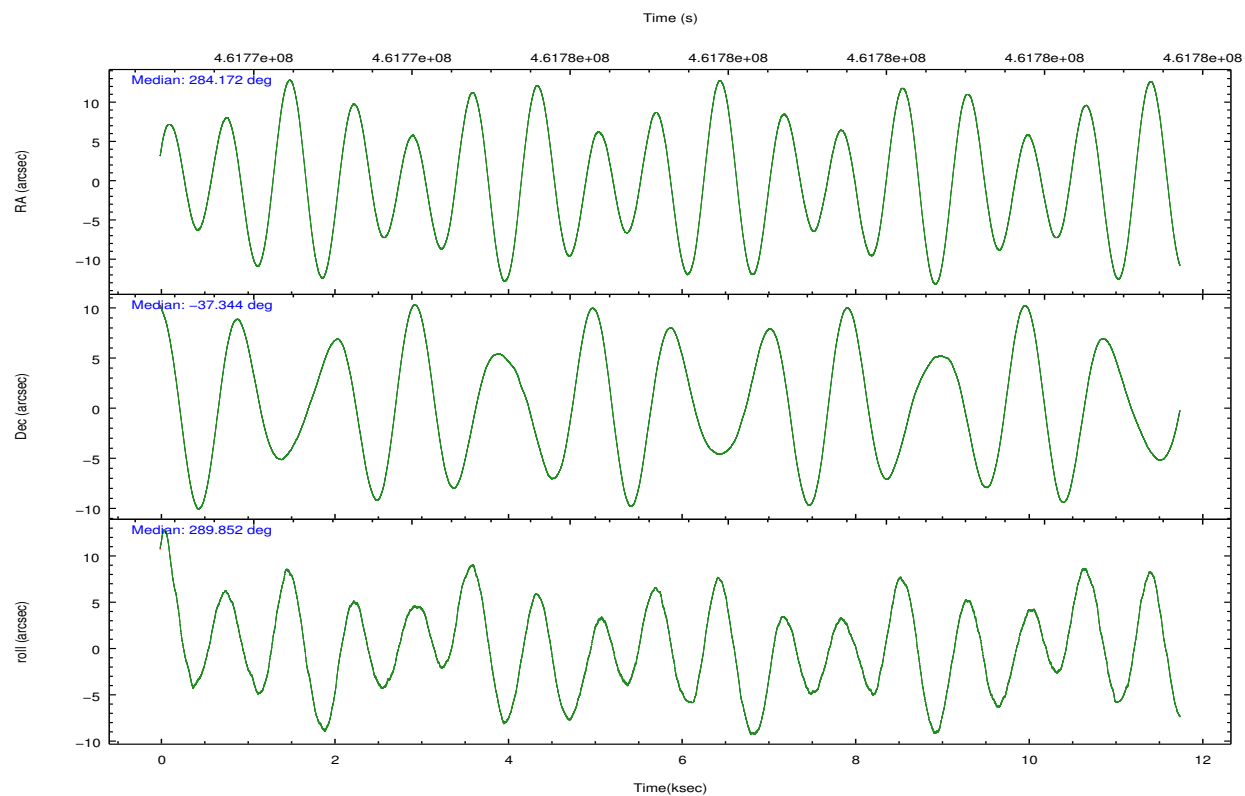
	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	2171	2509	3157	5908
	3%	4%	4%	8%
grade 1 events	30	17	69	61
	0%	0%	0%	0%
grade 2 events	1381	1590	6907	4515
	2%	2%	9%	6%
grade 3 events	633	769	2985	1996
	1%	1%	3%	2%
grade 4 events	698	730	2899	1906
	1%	1%	3%	2%
grade 5 events	2837	2945	7786	4067
	5%	5%	10%	5%
grade 6 events	1402	1503	17933	4829
	2%	2%	23%	6%
grade 7 events	45780	46906	33499	49101
	83%	82%	44%	67%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-3678	ACIS-3678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	284.145875	284.172510765626	CCD I2 on	N	N
[deg] Pointing Dec	-37.326575	-37.34393821221193	CCD I3 on	O1	Y
[deg] Pointing Roll	289.684797	289.8575821456819	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	Y	Y
[s] Observation start time (MET)	461772128.184000	461770398.26752	CCD S5 on	N	N
Observation start date	2012-08-19T14:01:01	2012-08-19T13:33:18	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	461783128.184000	461783908.28075	On-chip summing requested	N	N
Observation end date	2012-08-19T17:04:21	2012-08-19T17:18:28	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



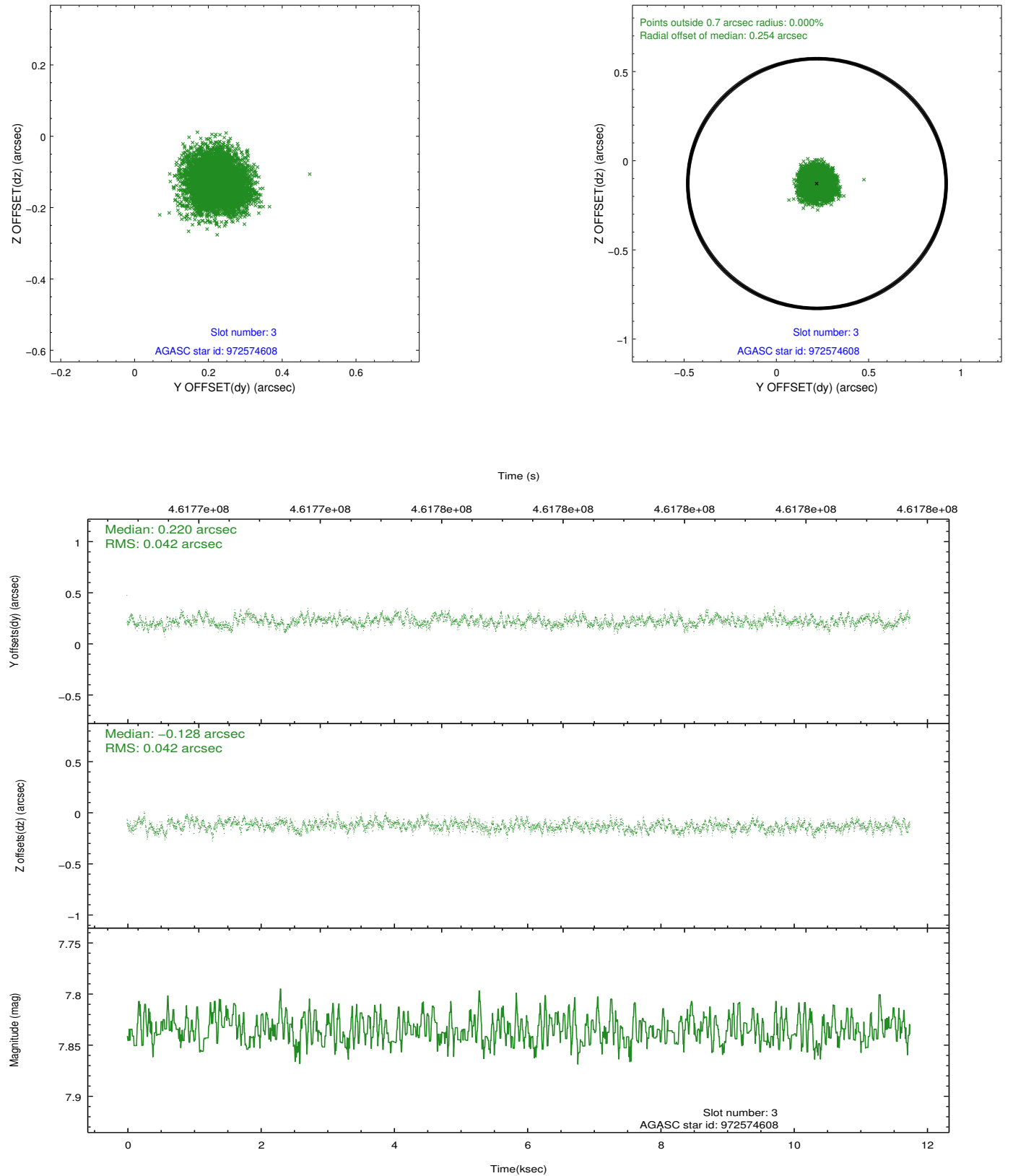


Slot Statistics

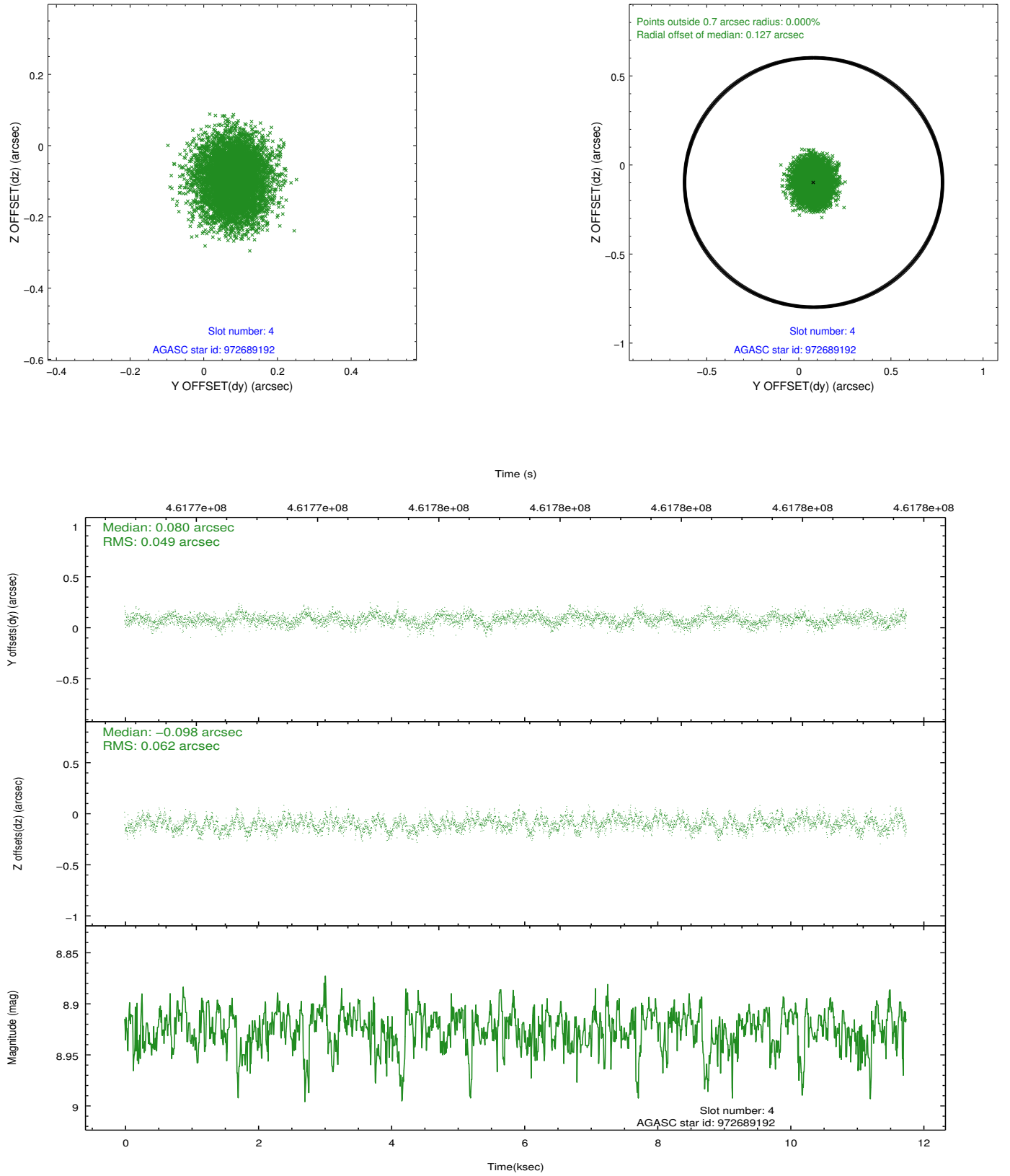
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.95	2867	-0.104	-0.003	0.008	0.012	0.000000	0.000000	-770.70	-1737.59
1	FID	ACIS-S-4	7.03	2866	0.237	0.051	0.007	0.013	0.000000	0.000000	2142.70	170.52
2	FID	ACIS-S-5	7.06	2867	-0.164	-0.039	0.009	0.016	0.000000	0.000000	-1823.07	164.56
3	GUIDE	972574608	7.84	5732	0.220	-0.128	0.064	0.103	283.352847	-37.274388	-932.37	-2079.14
4	GUIDE	972689192	8.92	5710	0.080	-0.098	0.085	0.137	284.589186	-37.133486	-222.95	1430.63
5	GUIDE	1037567144	8.72	5727	-0.131	-0.012	0.072	0.115	284.940440	-37.605390	1717.47	1792.82
6	GUIDE	1037567328	8.84	5730	-0.129	-0.019	0.087	0.137	284.052016	-37.647288	997.72	-640.47
7	GUIDE	972556936	8.79	5717	-0.045	0.258	0.084	0.134	283.130779	-37.045959	-1918.26	-2411.32

2.4 Star Slots

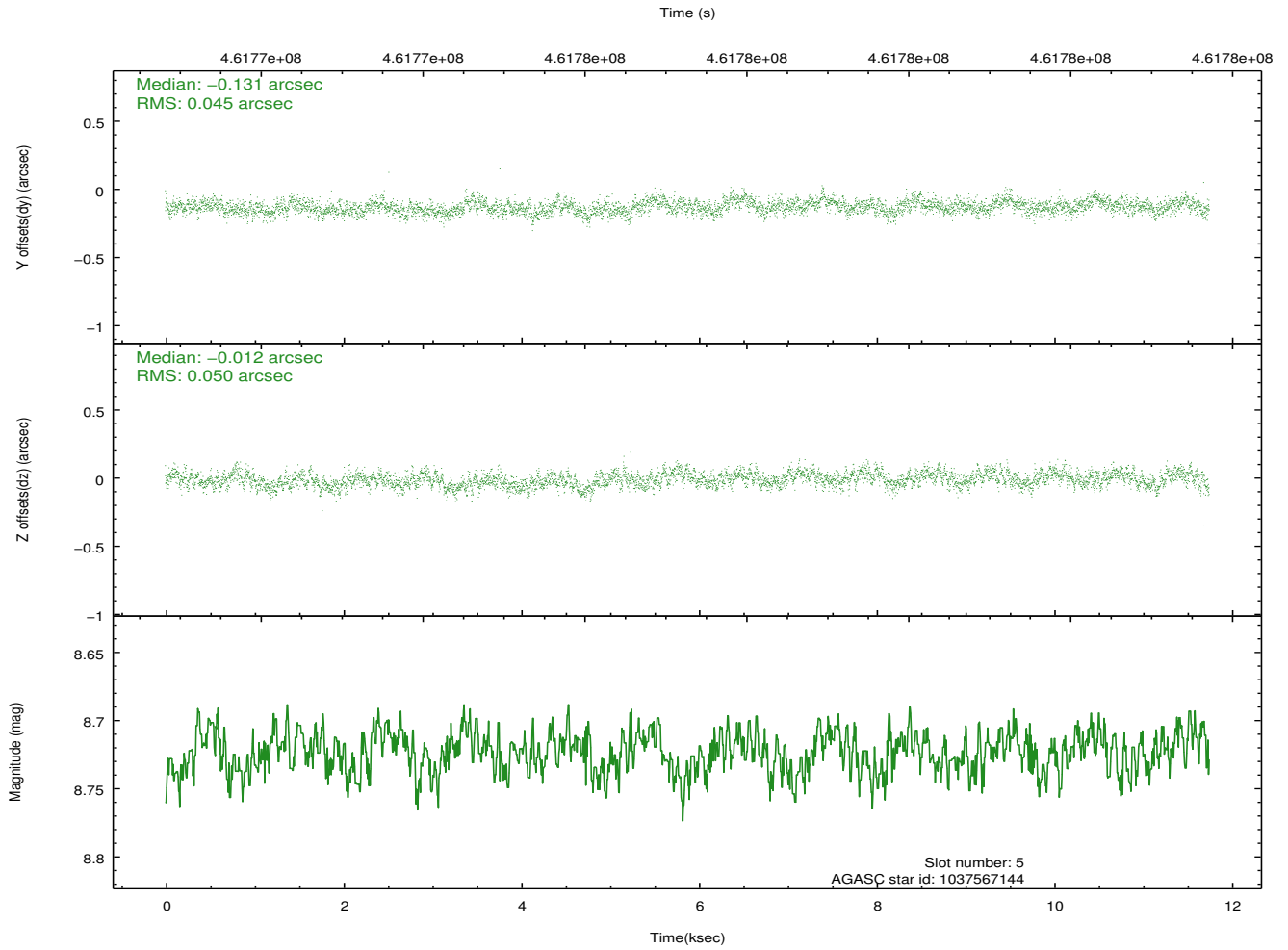
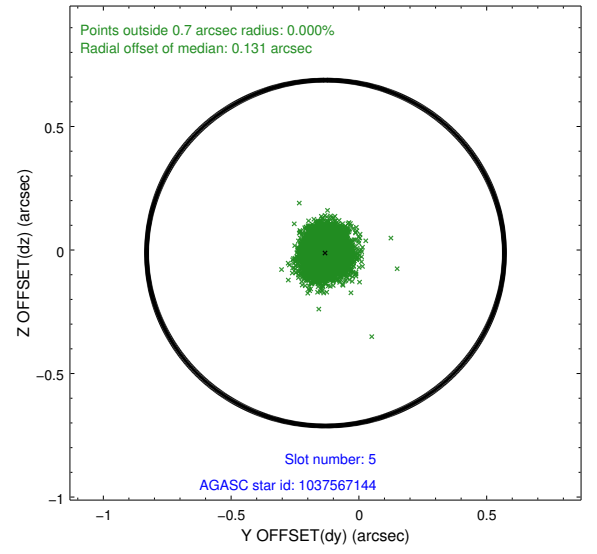
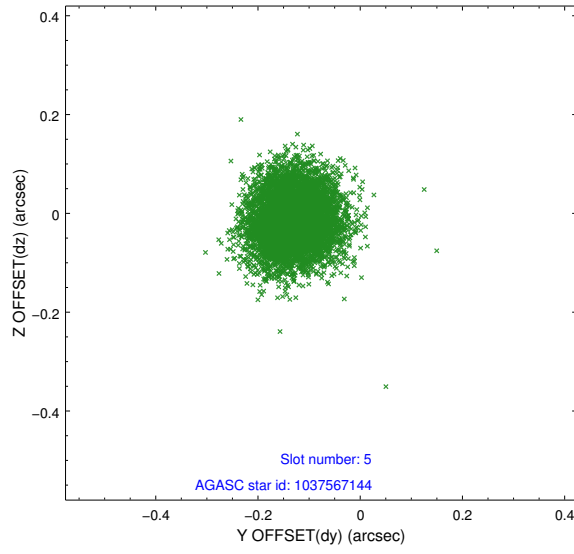
2.4.1 Slot 3



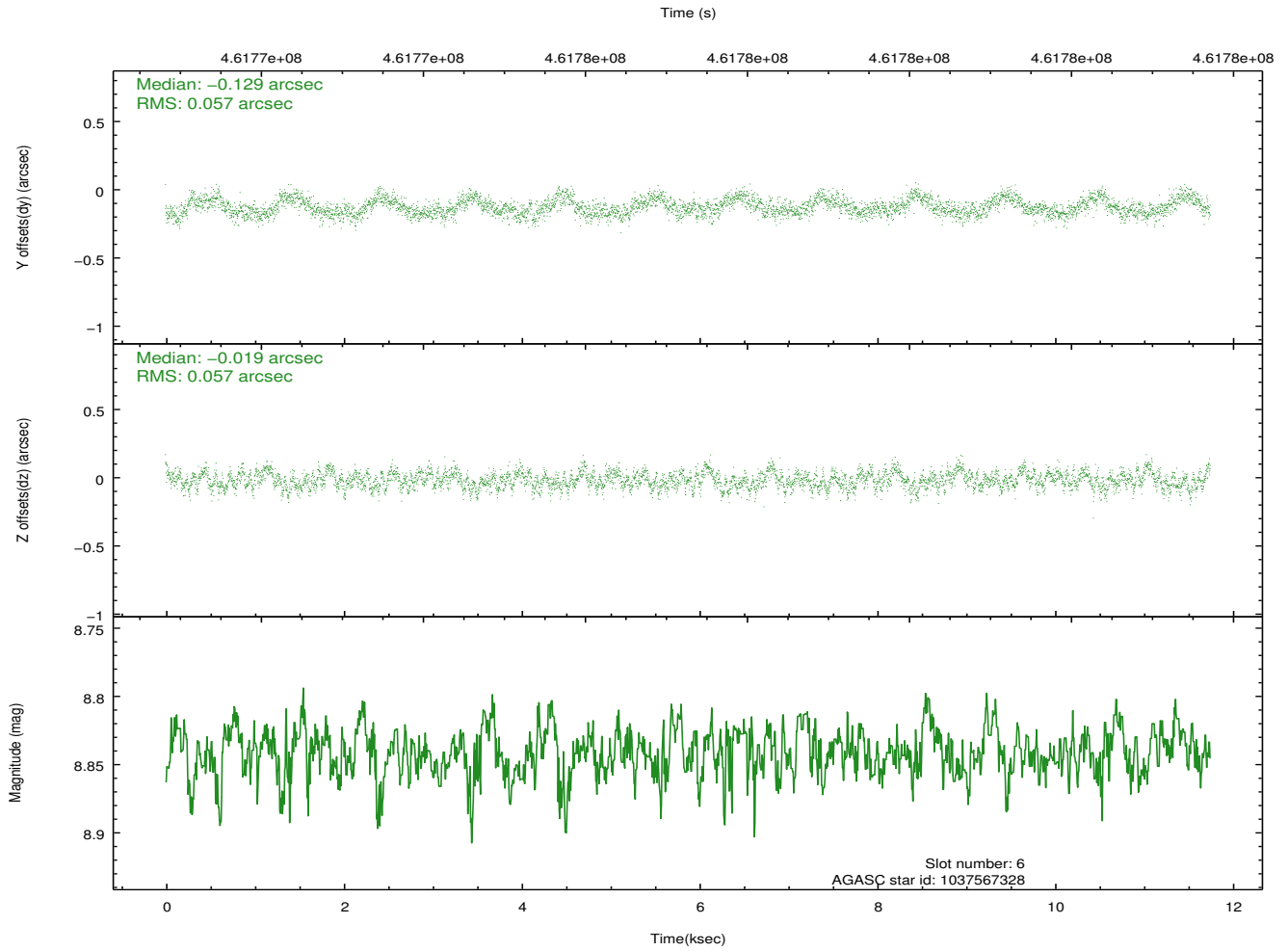
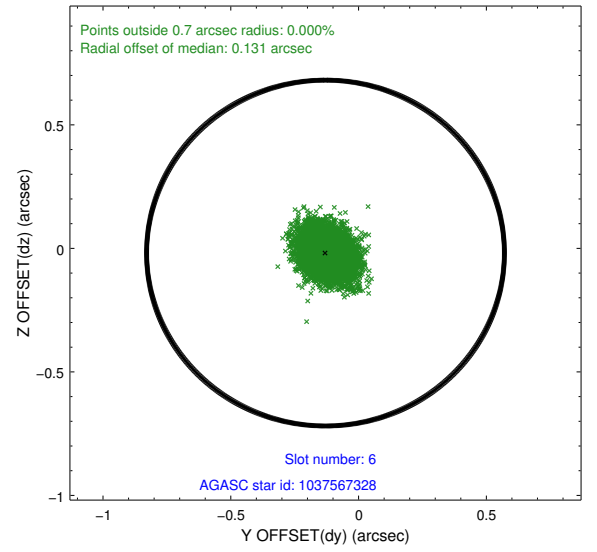
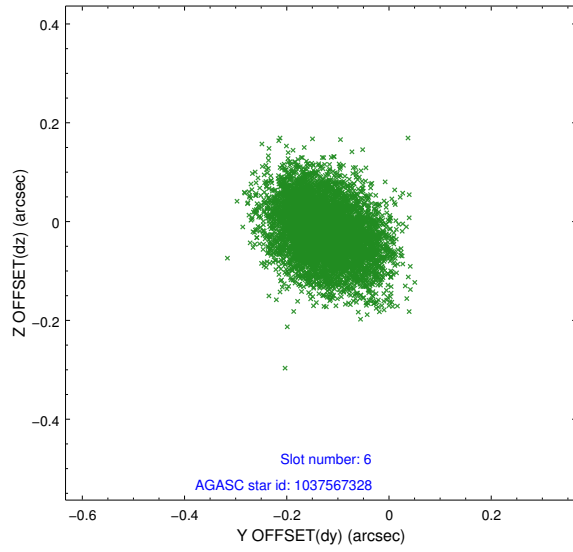
2.4.2 Slot 4



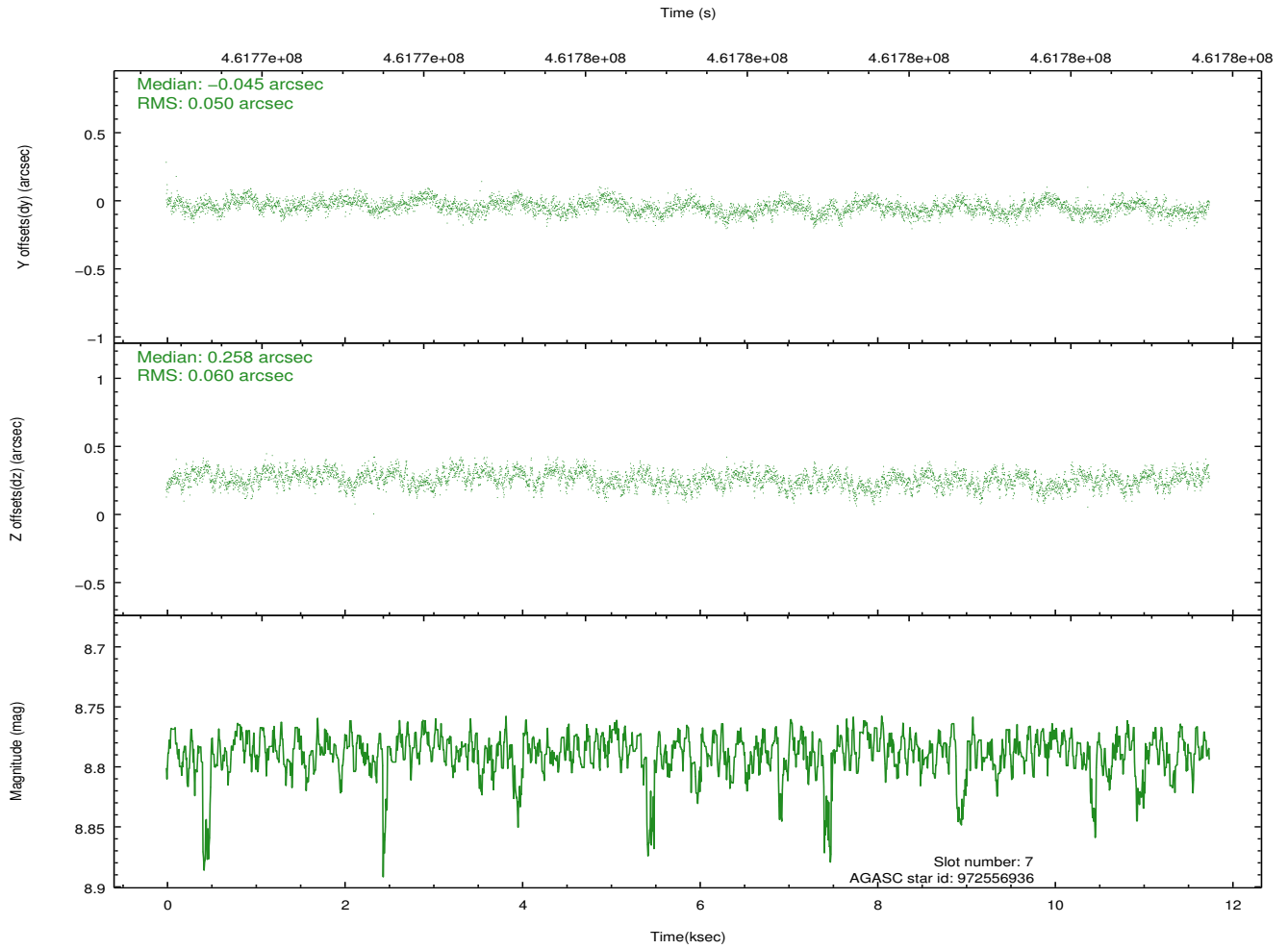
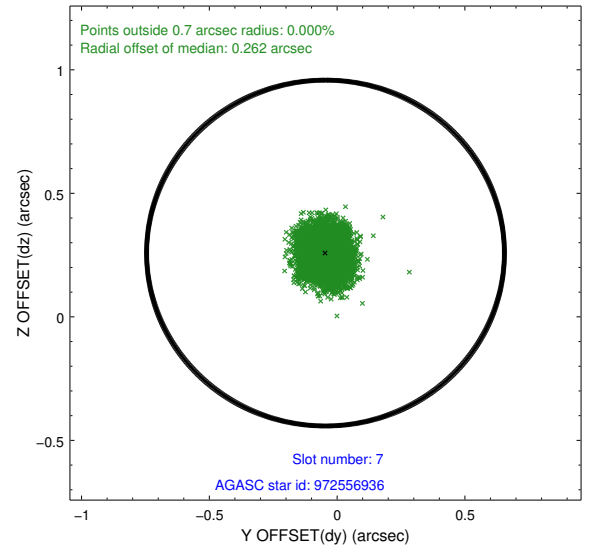
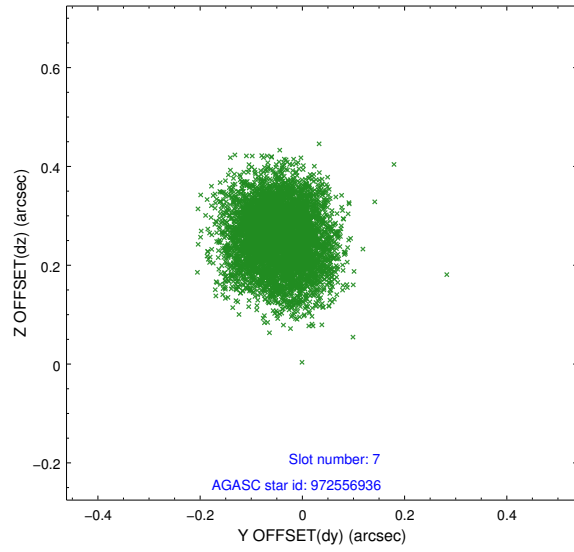
2.4.3 Slot 5



2.4.4 Slot 6

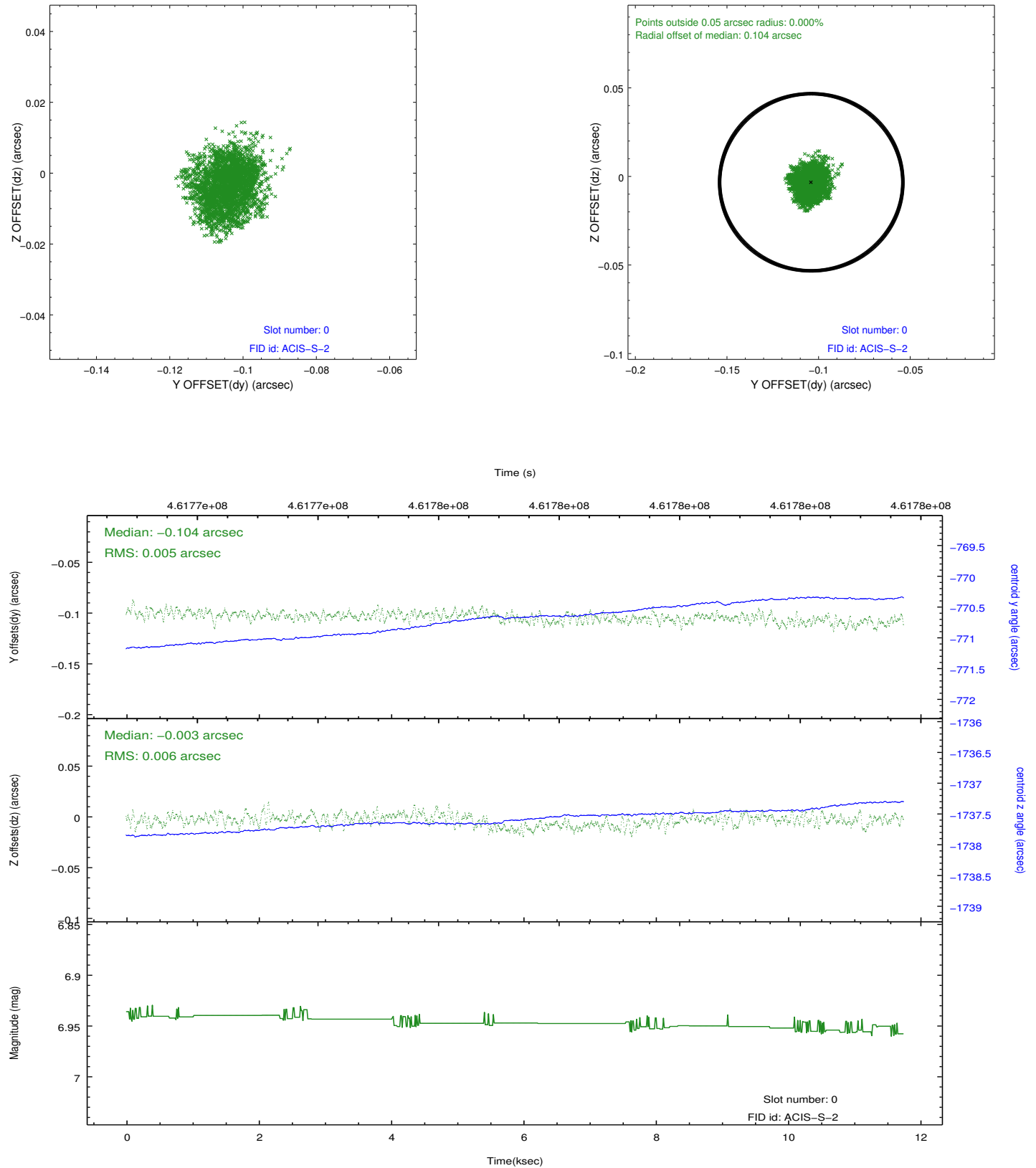


2.4.5 Slot 7

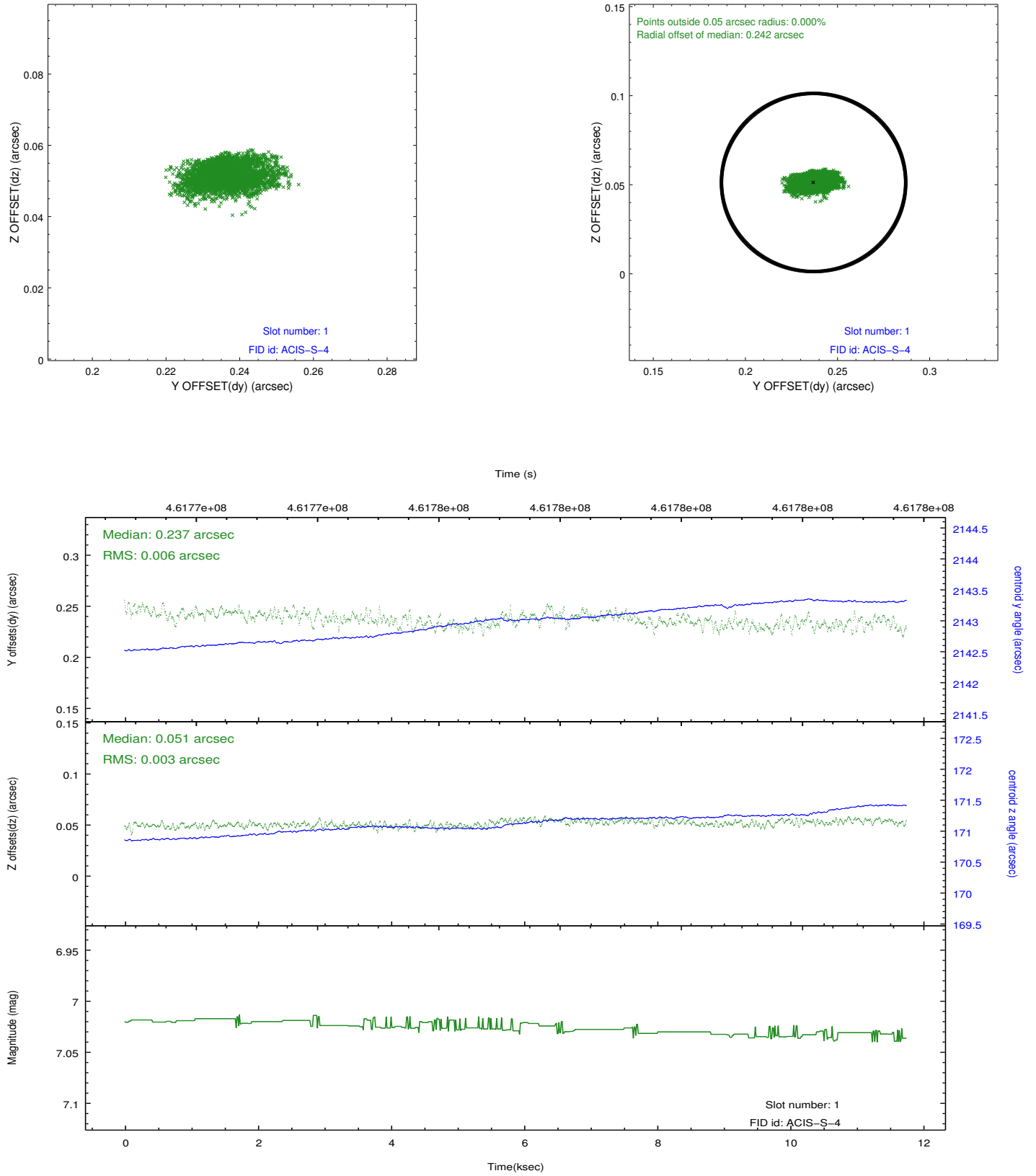


2.5 FID Slots

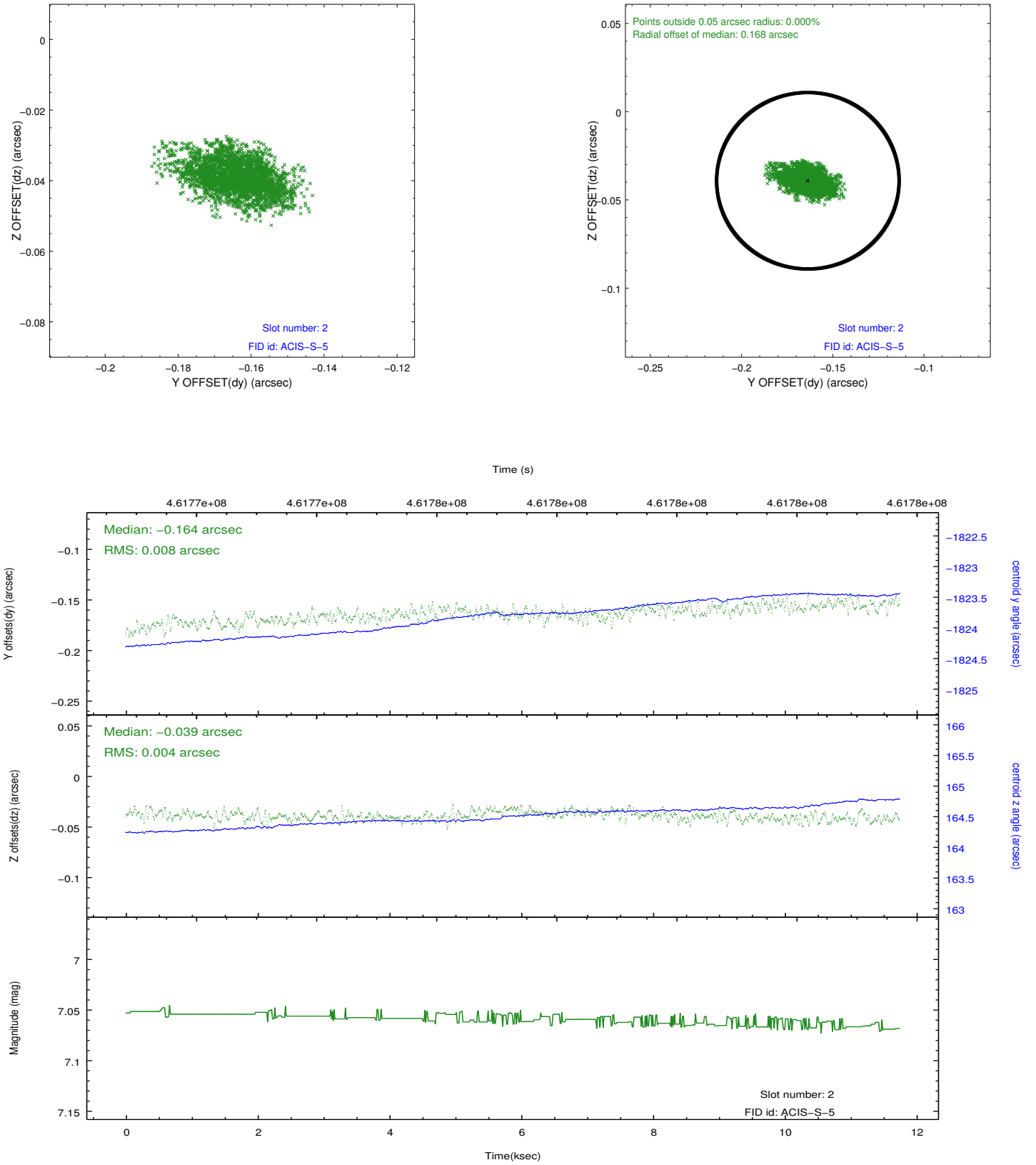
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.08.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	11.075890137374

A.2 Comments