

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9240 - L2 Version 2
Chandra X-Ray Center

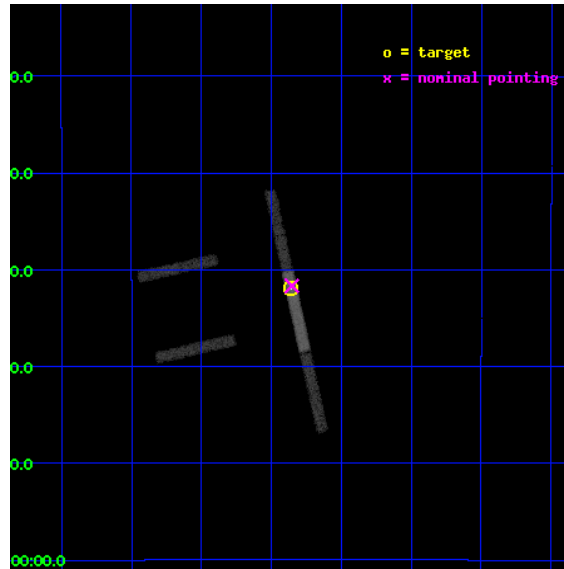
L2 Processing Date : May 24 2012

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1 Front

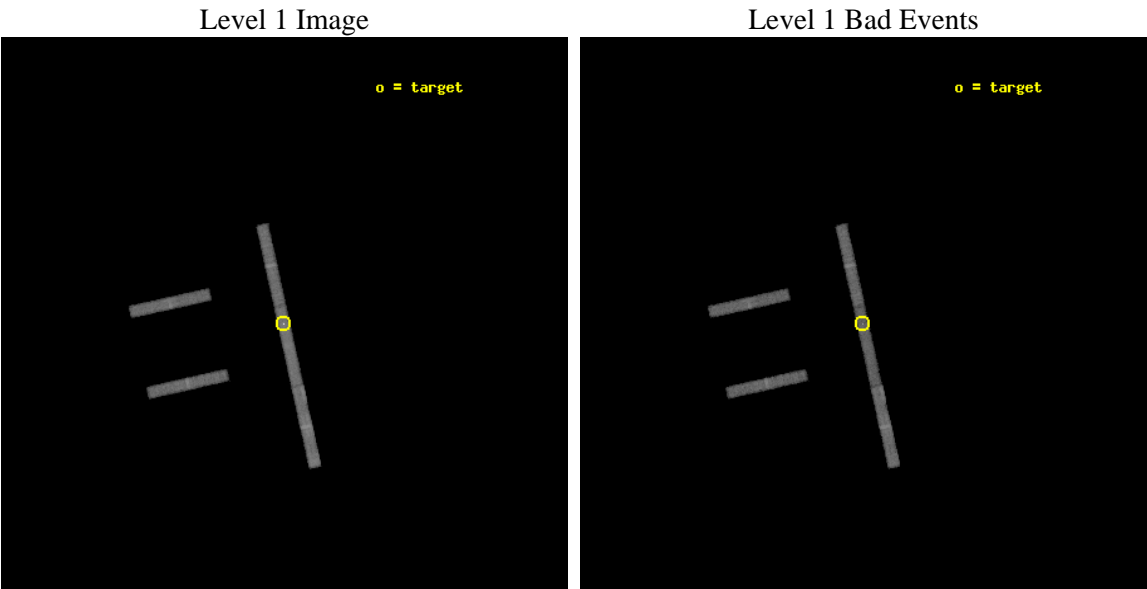
seq_num	701681	Sequence number
obs_id	9240	Observation id
title	Dissecting Accretion Disks	Proposal title
observer	Prof. Christopher Kochanek	Principal investigator
object	RXJ1131-1231	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	172.965	Observer's specified target RA [deg]
dec_targ	-12.5325	Observer's specified target Dec [deg]
ra_nom	172.96338390422	Nominal RA [deg]
dec_nom	-12.527949268267	Nominal Dec [deg]
roll_nom	77.515503387877	Nominal Roll [deg]
revision	2	Processing version of data
ontime	15137.49974215	Sum of GTIs [s]
livetime	14299.160395532	Livetime [s]
ontime2	15137.49974215	Sum of GTIs [s]
ontime3	15137.49974215	Sum of GTIs [s]
ontime6	15137.49974215	Sum of GTIs [s]
ontime7	15137.49974215	Sum of GTIs [s]
ontime8	15137.49974215	Sum of GTIs [s]
l2events	30709	Number of level 2 events



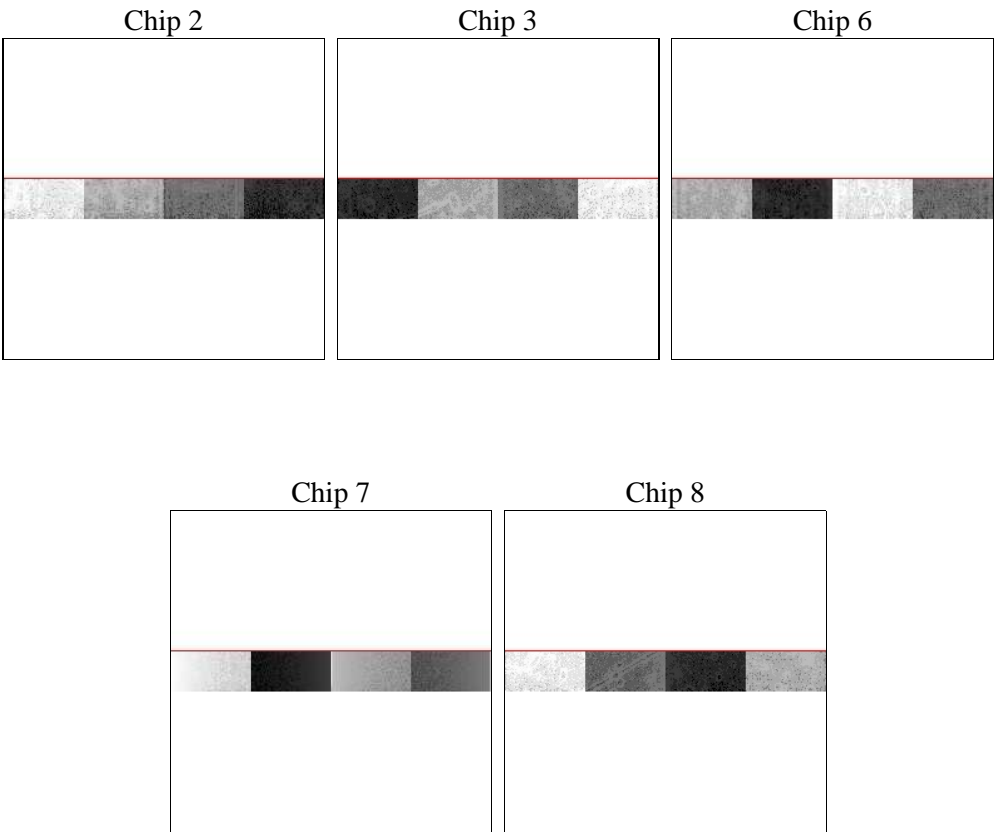
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



Chip 7



Chip 8



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	15000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	15137.49974215	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	15137.49974215	Sum of GTIs [s]
date	2012-05-24T02:19:03	Date and time of file creation	ontime3	15137.49974215	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	15137.49974215	Sum of GTIs [s]
			ontime7	15137.49974215	Sum of GTIs [s]
			ontime8	15137.49974215	Sum of GTIs [s]
			l1events	146113	Number of level 1 events

2.1.4 Events

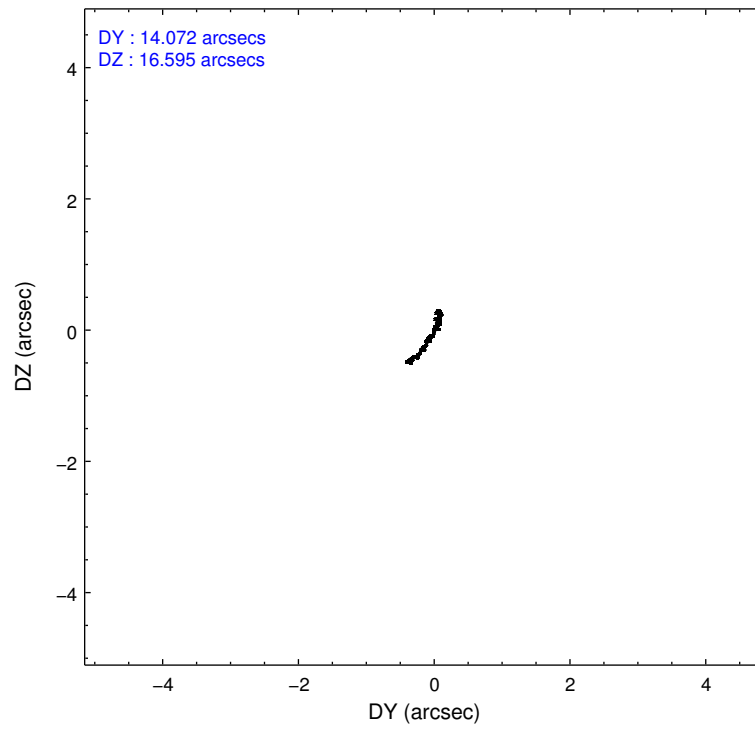
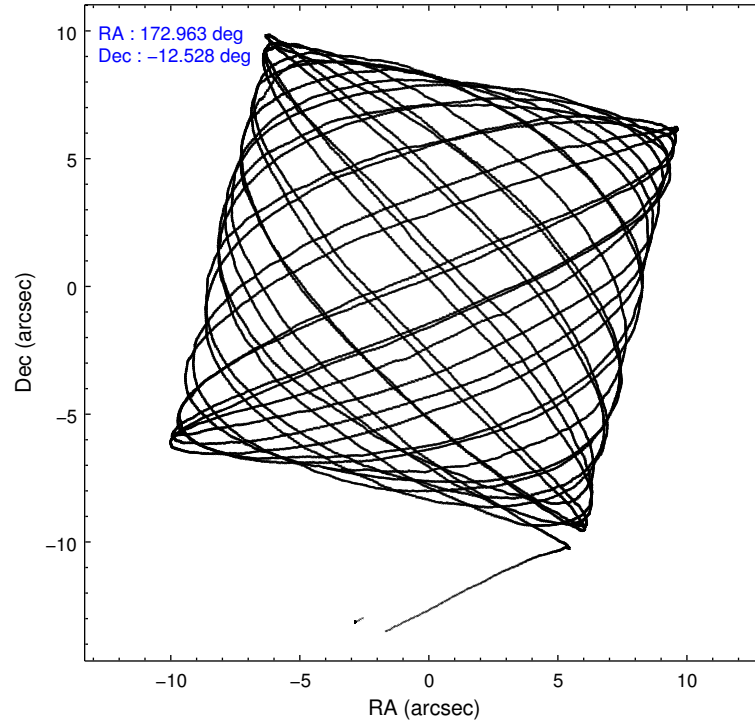
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	23554	23509	25319	38633	35098
rejected events	20573	20664	22374	17149	28341
rejected %	87%	87%	88%	44%	80%

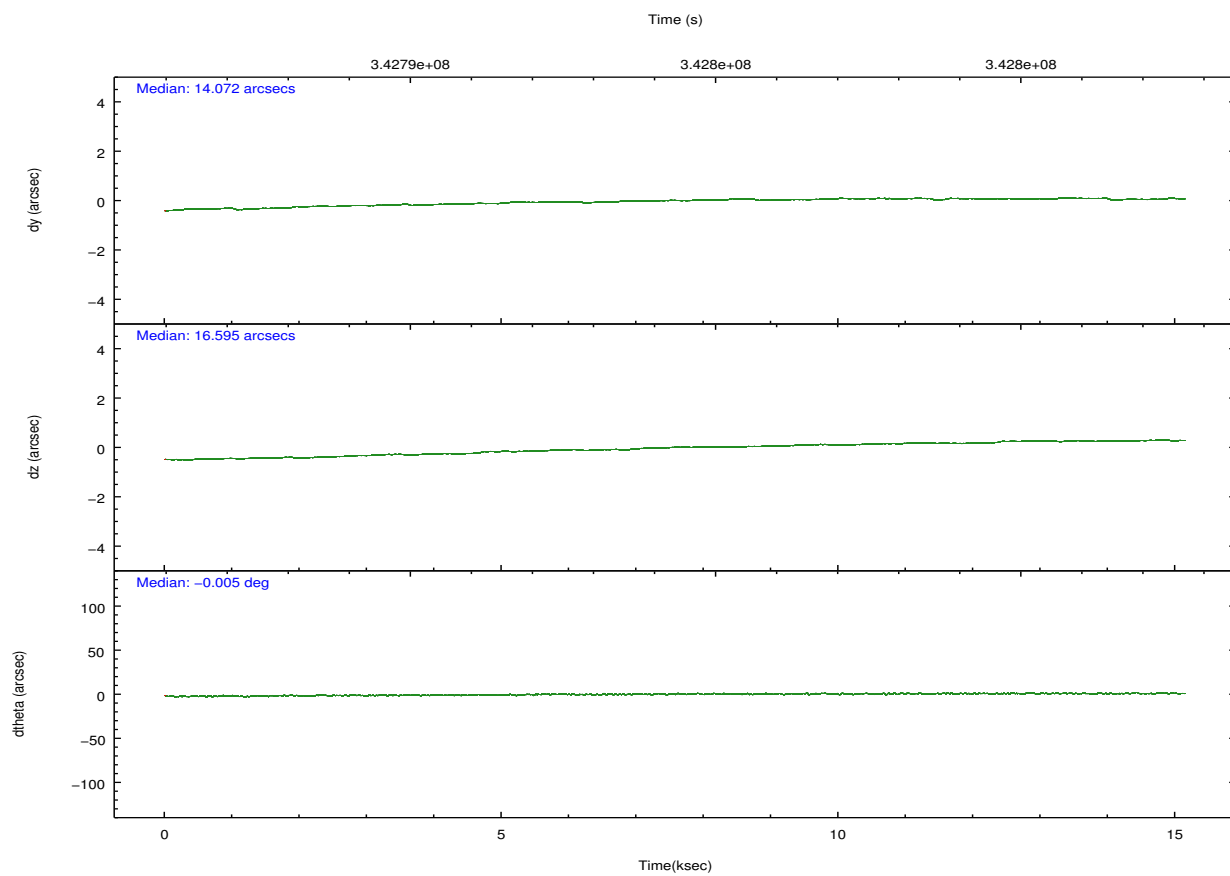
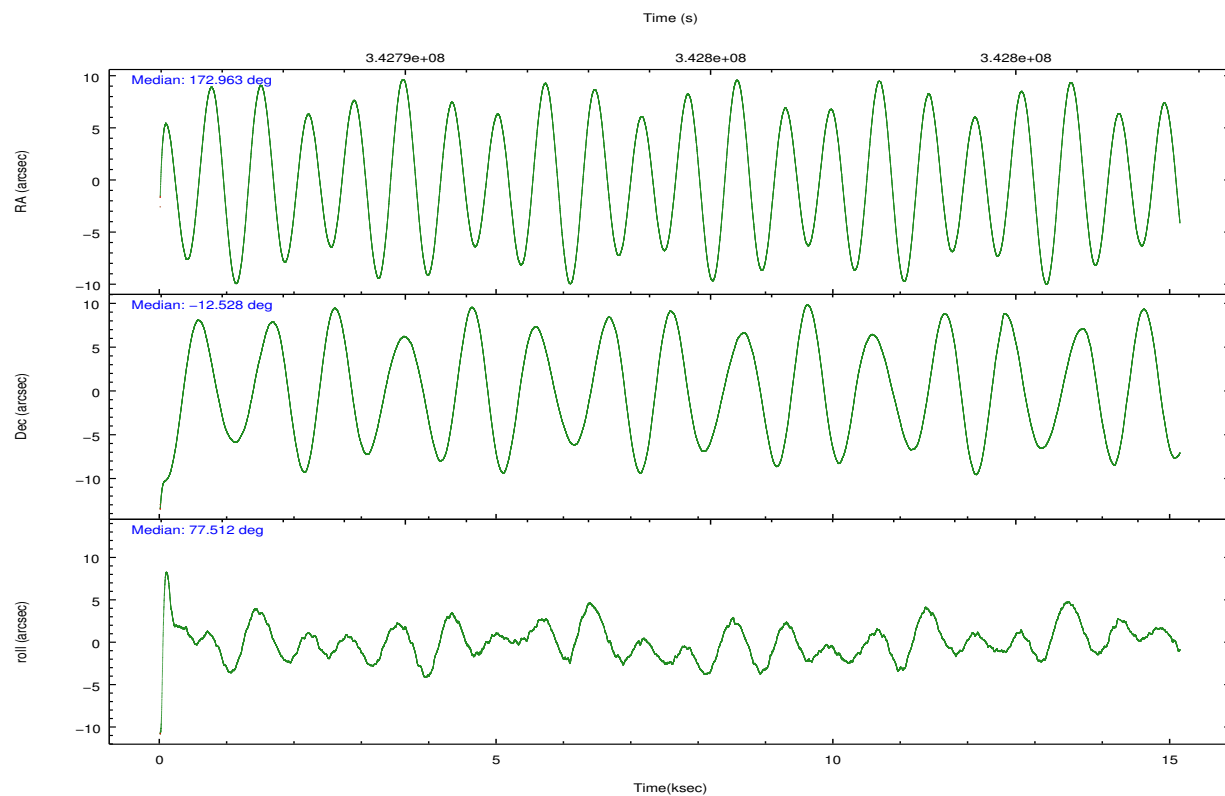
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	1108	1075	1007	3921	1762
	4%	4%	3%	10%	5%
grade 1 events	3	10	8	113	10
	0%	0%	0%	0%	0%
grade 2 events	593	508	565	4895	1448
	2%	2%	2%	12%	4%
grade 3 events	429	428	455	2428	795
	1%	1%	1%	6%	2%
grade 4 events	413	418	430	2401	759
	1%	1%	1%	6%	2%
grade 5 events	754	899	1002	2973	1274
	3%	3%	3%	7%	3%
grade 6 events	479	451	525	8093	2075
	2%	1%	2%	20%	5%
grade 7 events	19775	19720	21327	13809	26975
	83%	83%	84%	35%	76%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23678	ACIS-23678	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	172.972162	172.9633839042249	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-12.553875	-12.52794926826728	Subarray start row	449	449
[deg] Pointing Roll	77.360809	77.51550338787699	Subarray row count	128	128
[s] Window start time (MET)	341884865.184000	341884865.184000	Alternating exposures requested	N	N
[s] Window stop time (MET)	347068865.184000	347068865.184000	[s] Primary exposure time	0.000000	0.7
[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)	342786905.184000	342785896.35681			
Observation start date	2008-11-11T10:34:00	2008-11-11T10:18:16			
[s] Observation end time (MET)	342801905.184000	342802935.44515			
Observation end date	2008-11-11T14:44:00	2008-11-11T15:02:15			
Read mode	TIMED	TIMED			

2.3 Aspect



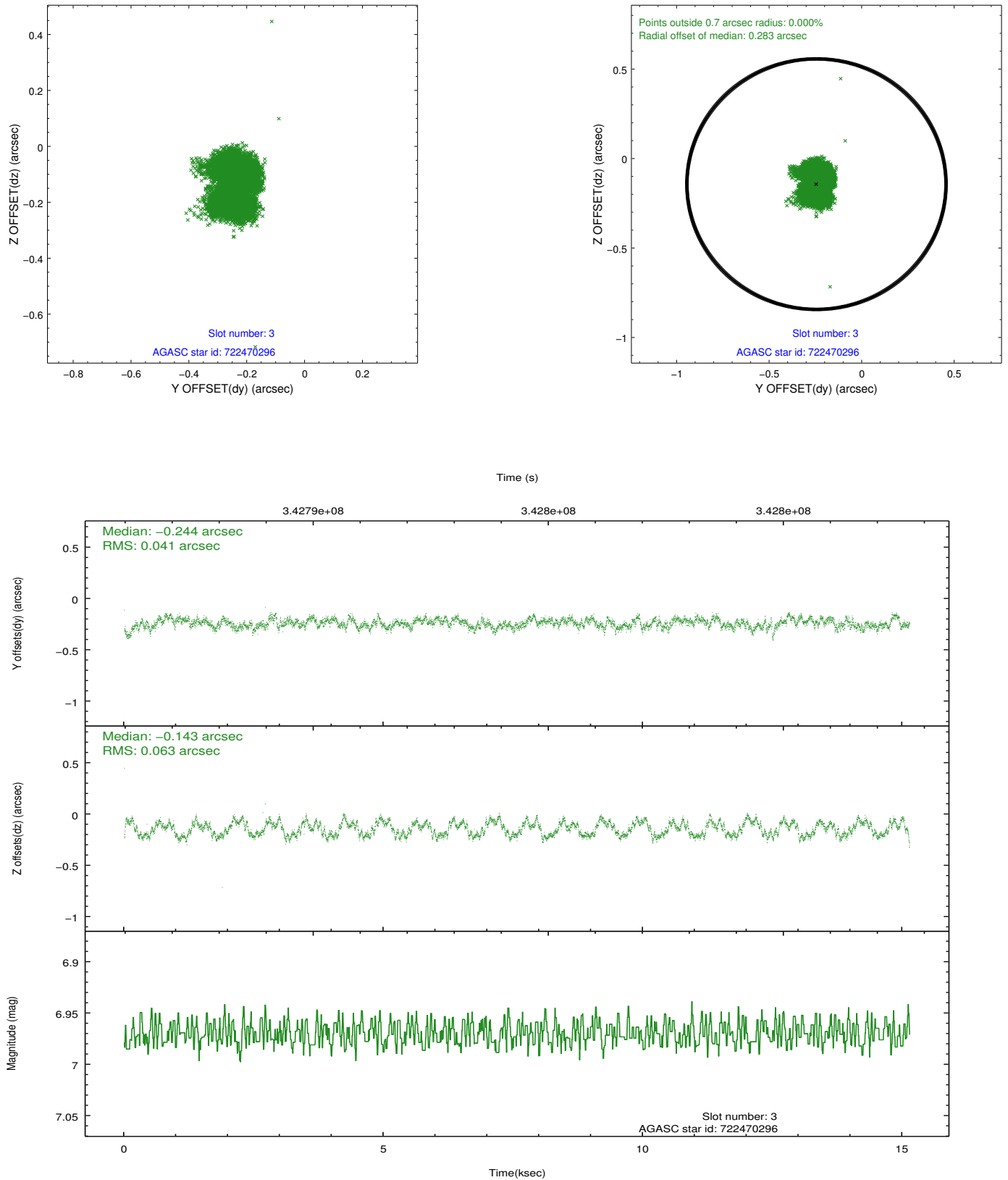


Slot Statistics

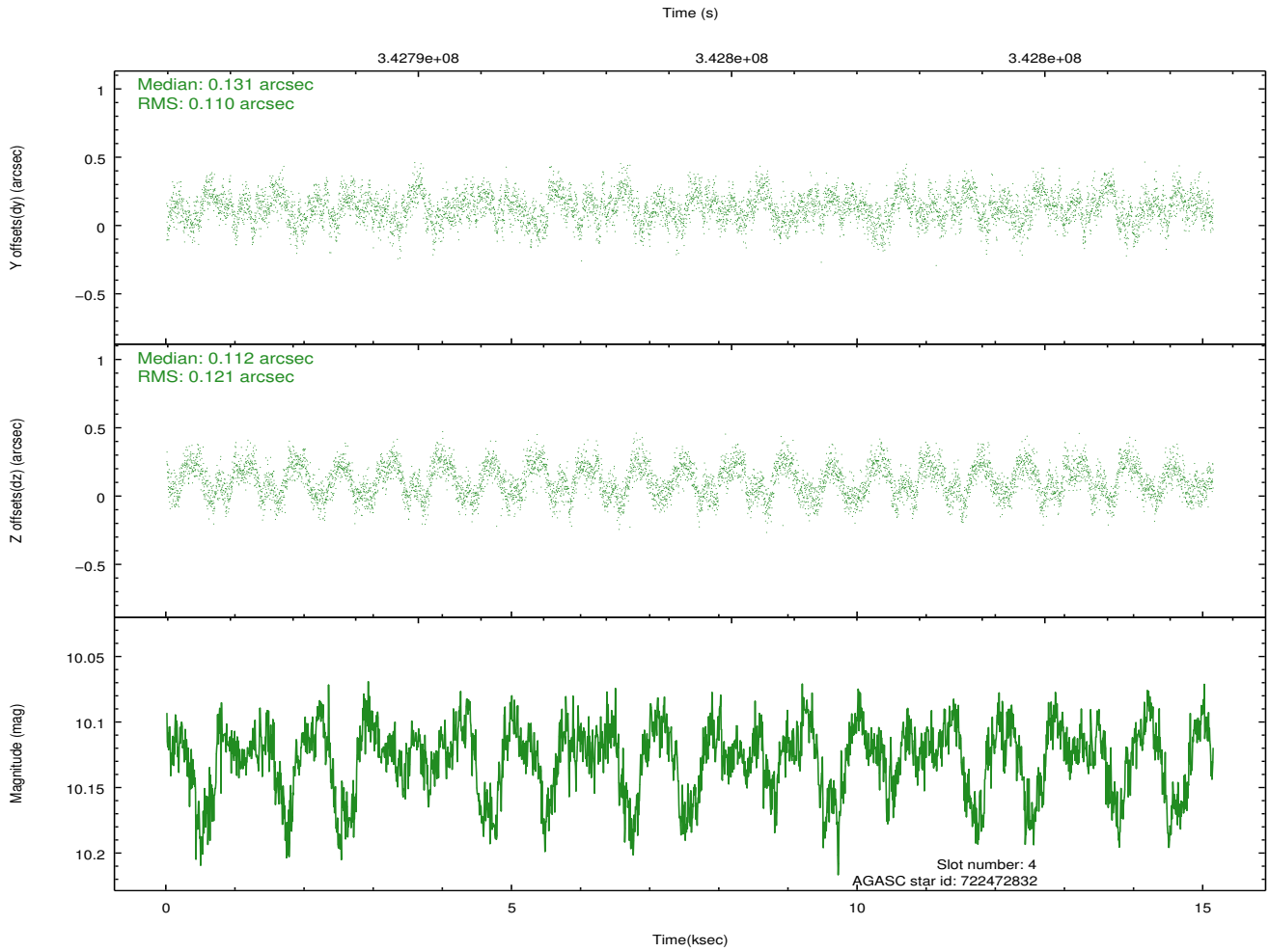
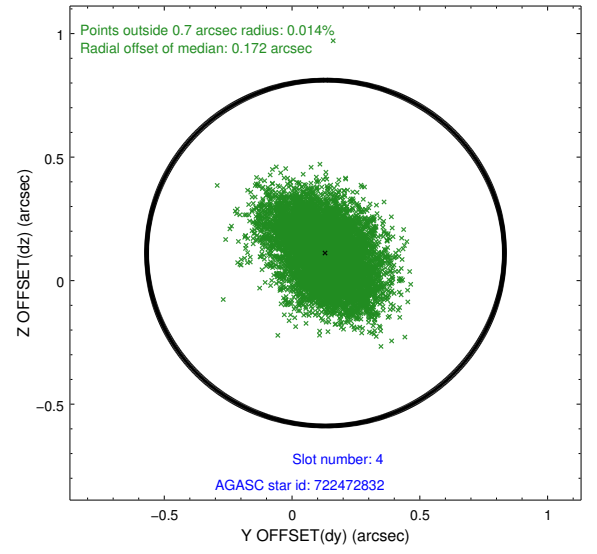
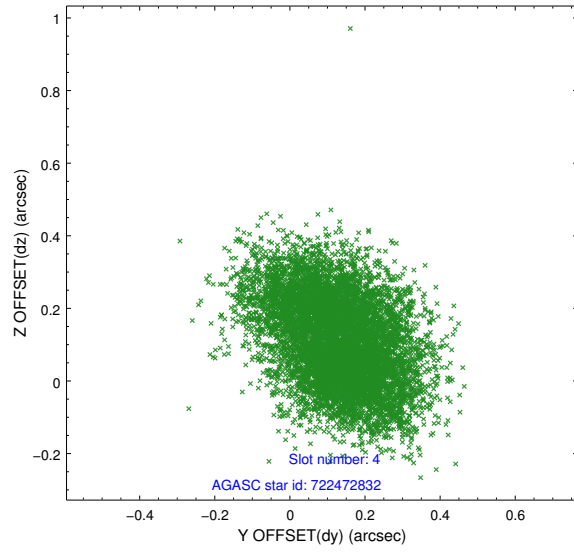
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	6.95	3693	0.097	-0.094	0.010	0.017	0.000000	0.000000	929.16	-1733.69
1	FID	ACIS-S-5	6.99	3693	-0.152	0.057	0.012	0.020	0.000000	0.000000	-1819.90	163.73
2	FID	ACIS-S-6	7.09	3693	0.033	0.048	0.008	0.014	0.000000	0.000000	394.35	808.00
3	GUIDE	722470296	6.97	7383	-0.244	-0.143	0.083	0.119	172.921689	-12.381367	567.23	309.42
4	GUIDE	722472832	10.12	7373	0.131	0.112	0.175	0.277	173.078970	-12.015349	1974.45	57.74
5	GUIDE	722473176	9.47	7382	-0.002	-0.090	0.119	0.186	172.599746	-12.066793	1423.57	1663.24
6	GUIDE	722871728	9.69	7374	0.015	0.135	0.199	0.314	173.202235	-12.568355	126.24	-799.56
7	GUIDE	722873464	7.30	7383	0.127	-0.005	0.083	0.149	172.661543	-13.050266	-1982.68	671.45

2.4 Star Slots

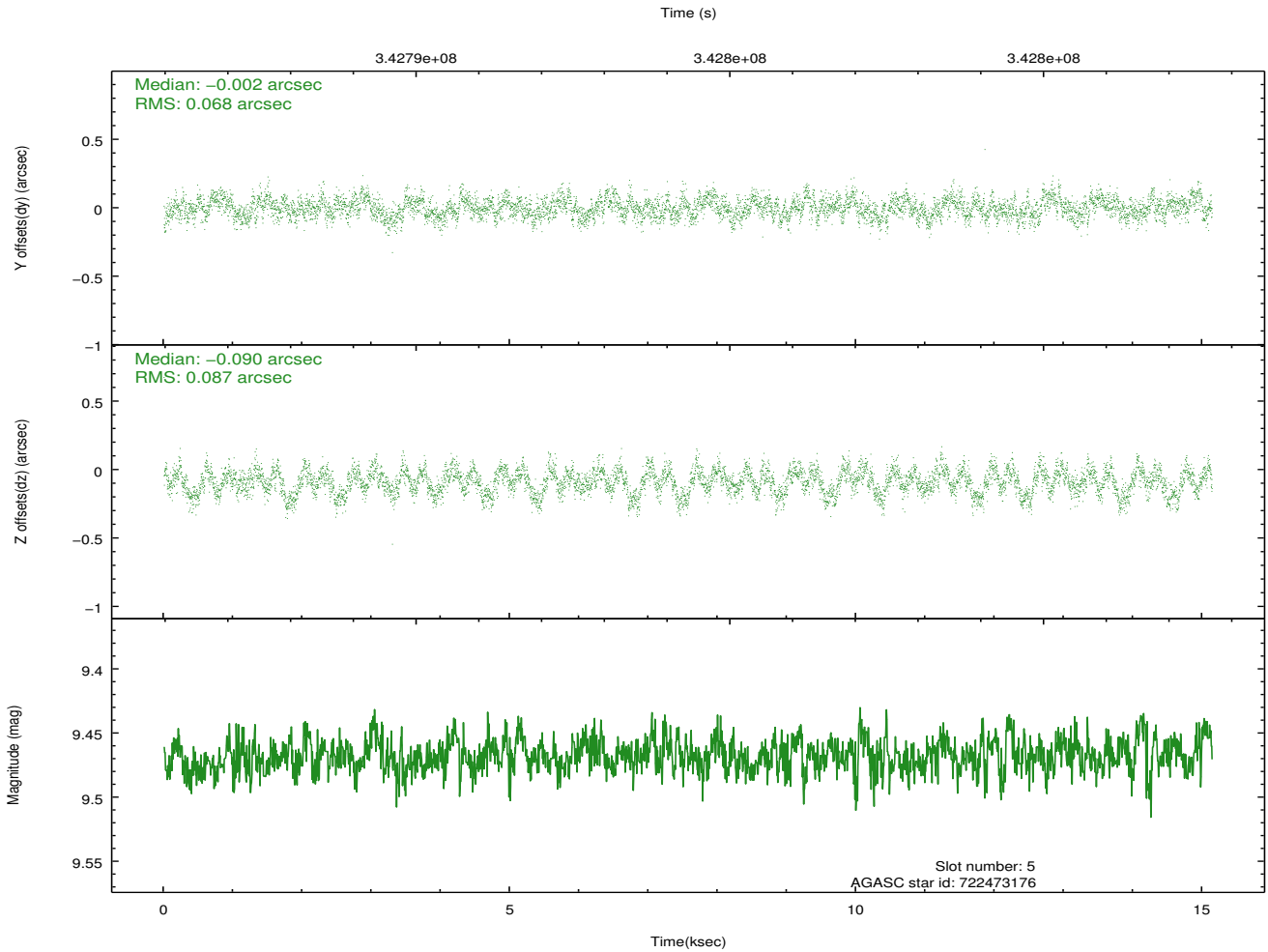
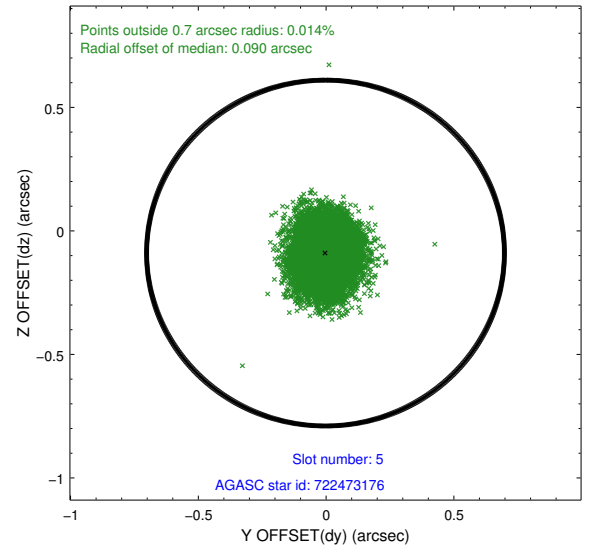
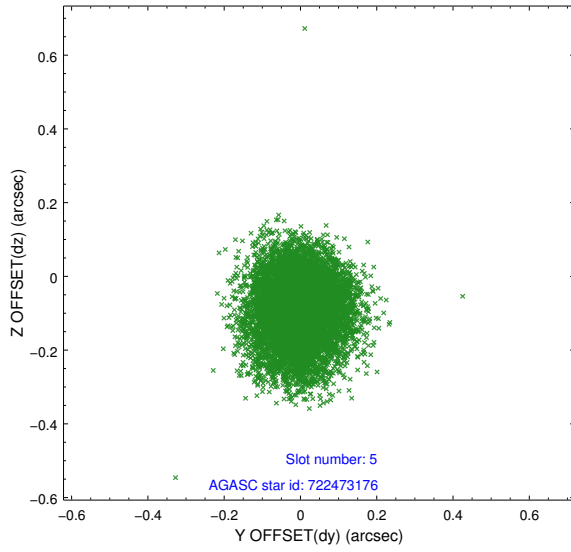
2.4.1 Slot 3



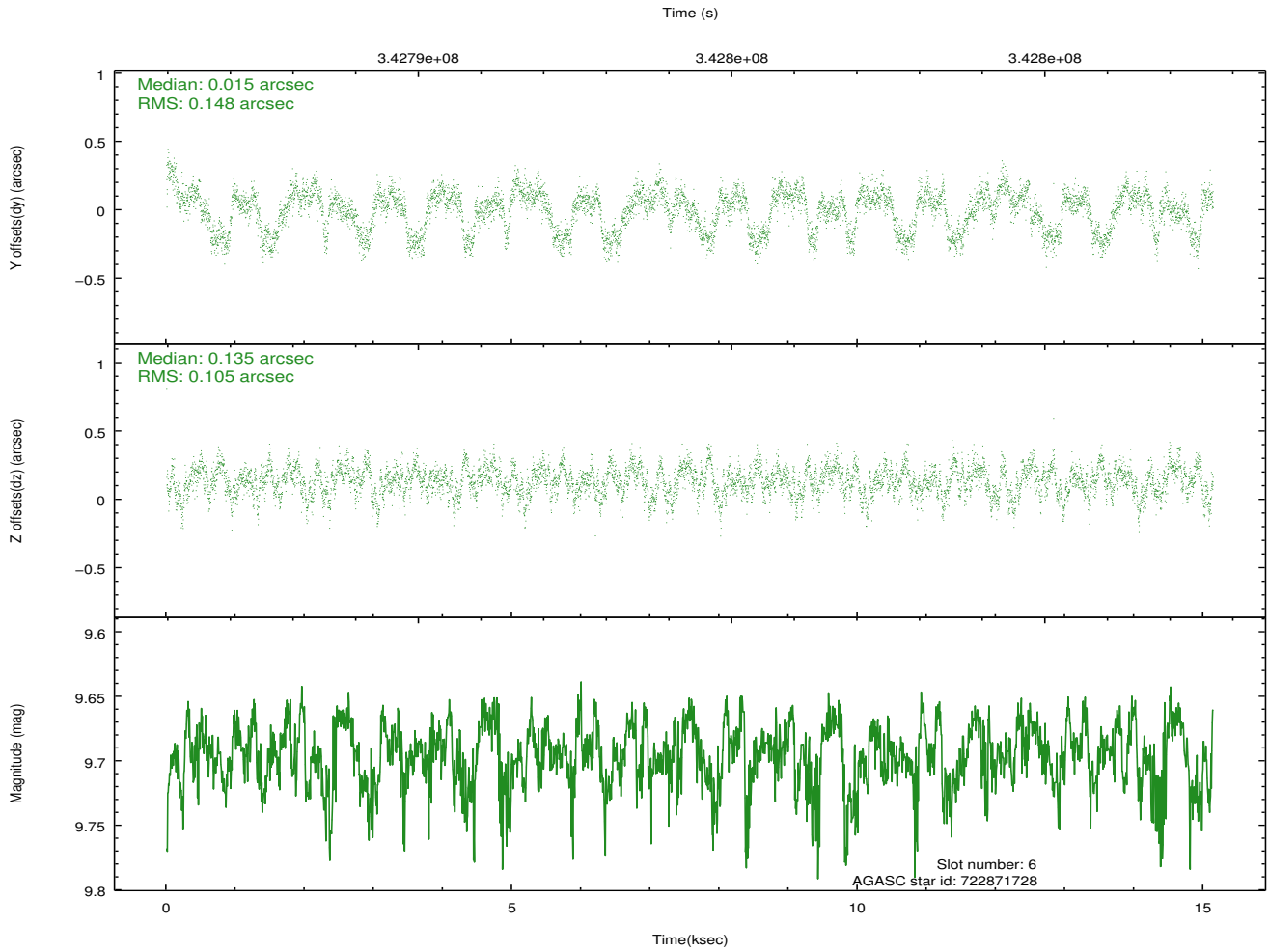
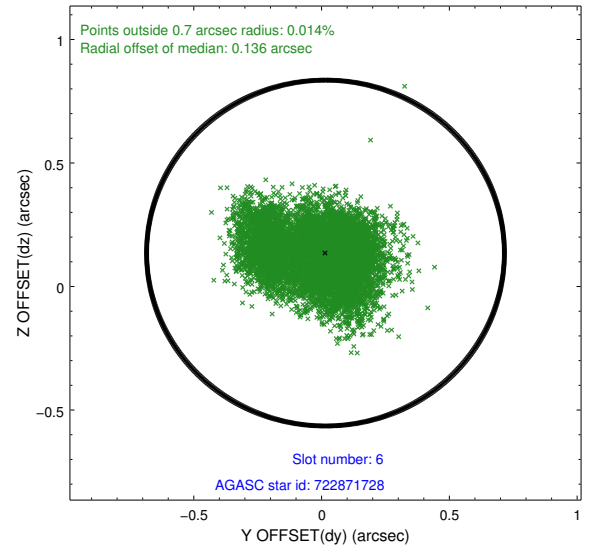
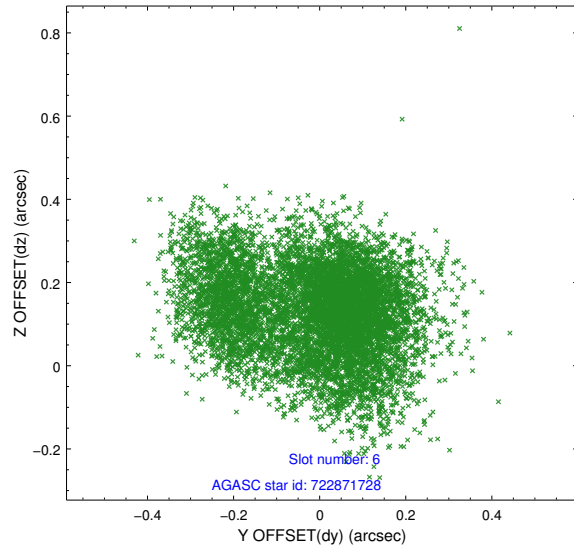
2.4.2 Slot 4



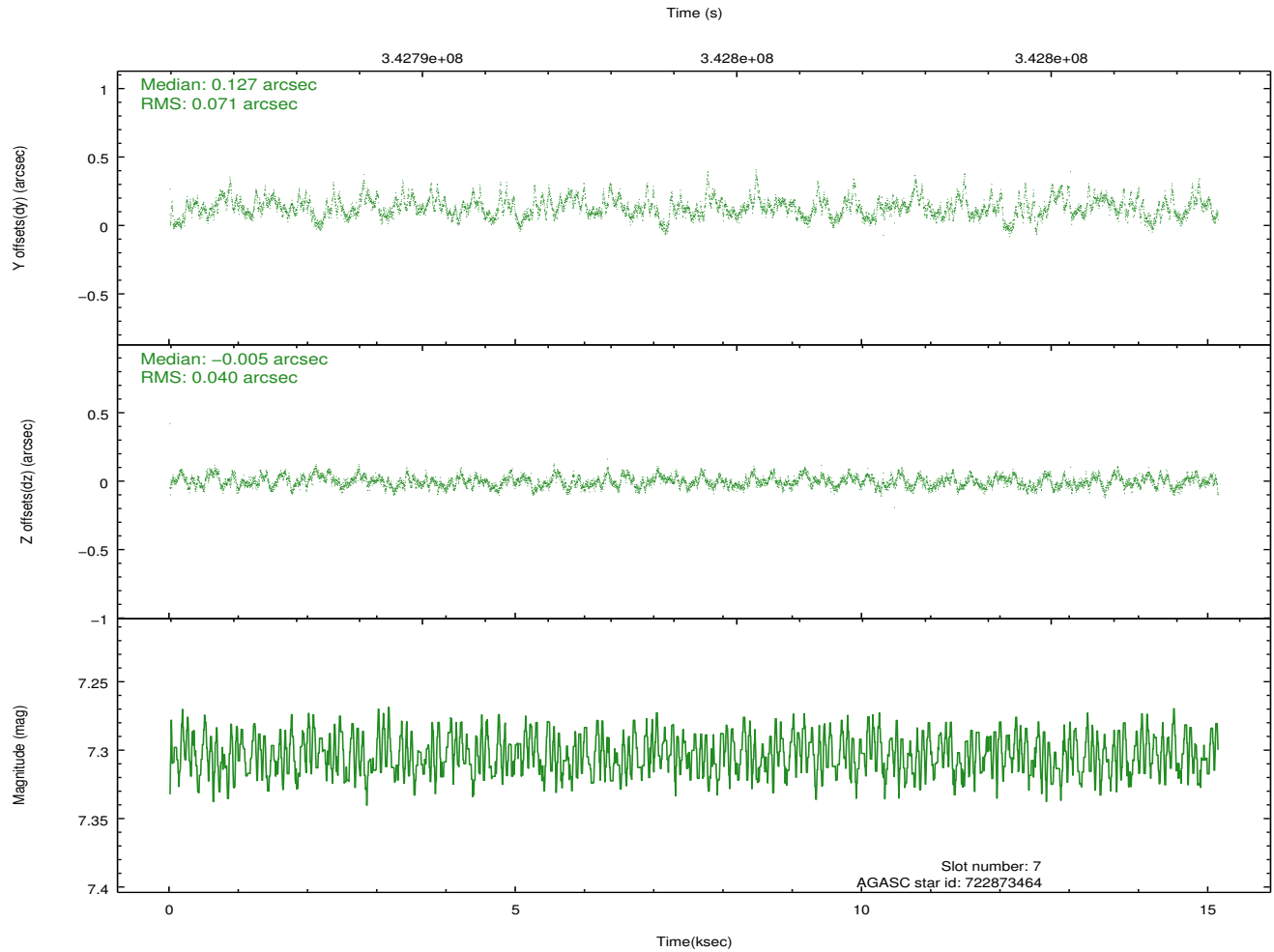
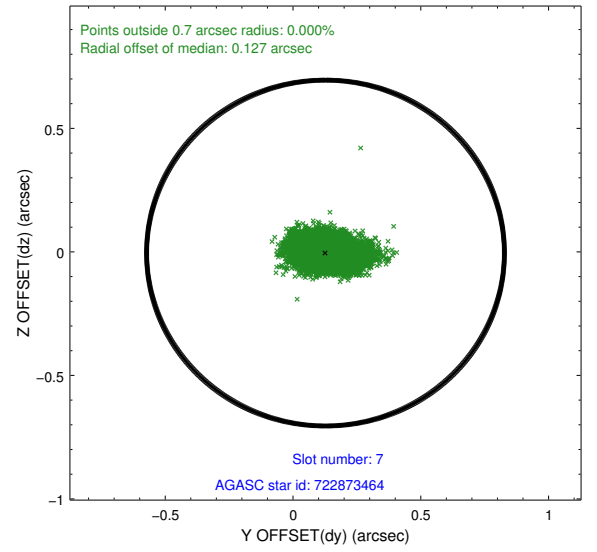
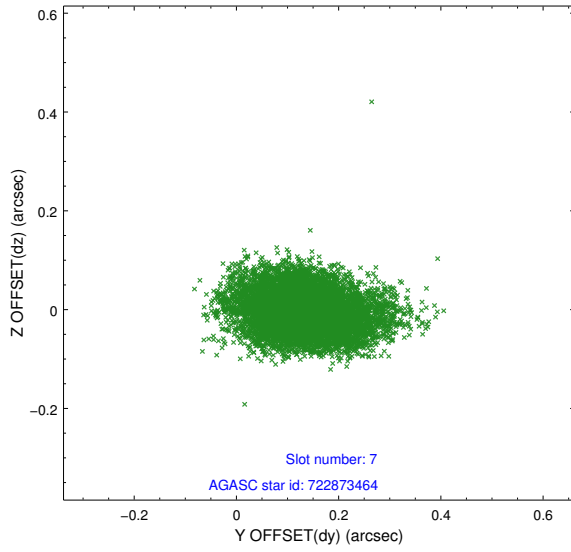
2.4.3 Slot 5



2.4.4 Slot 6

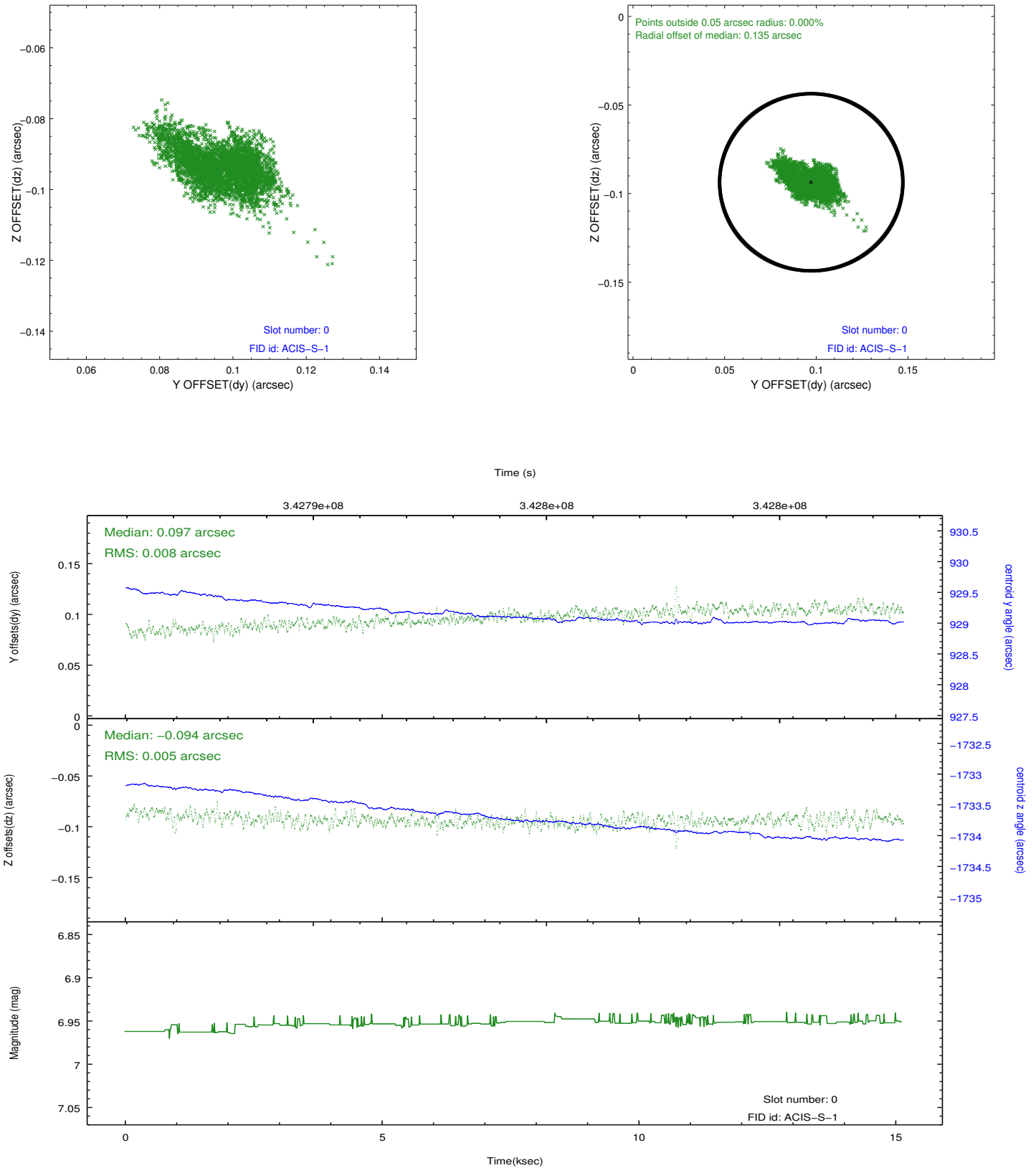


2.4.5 Slot 7

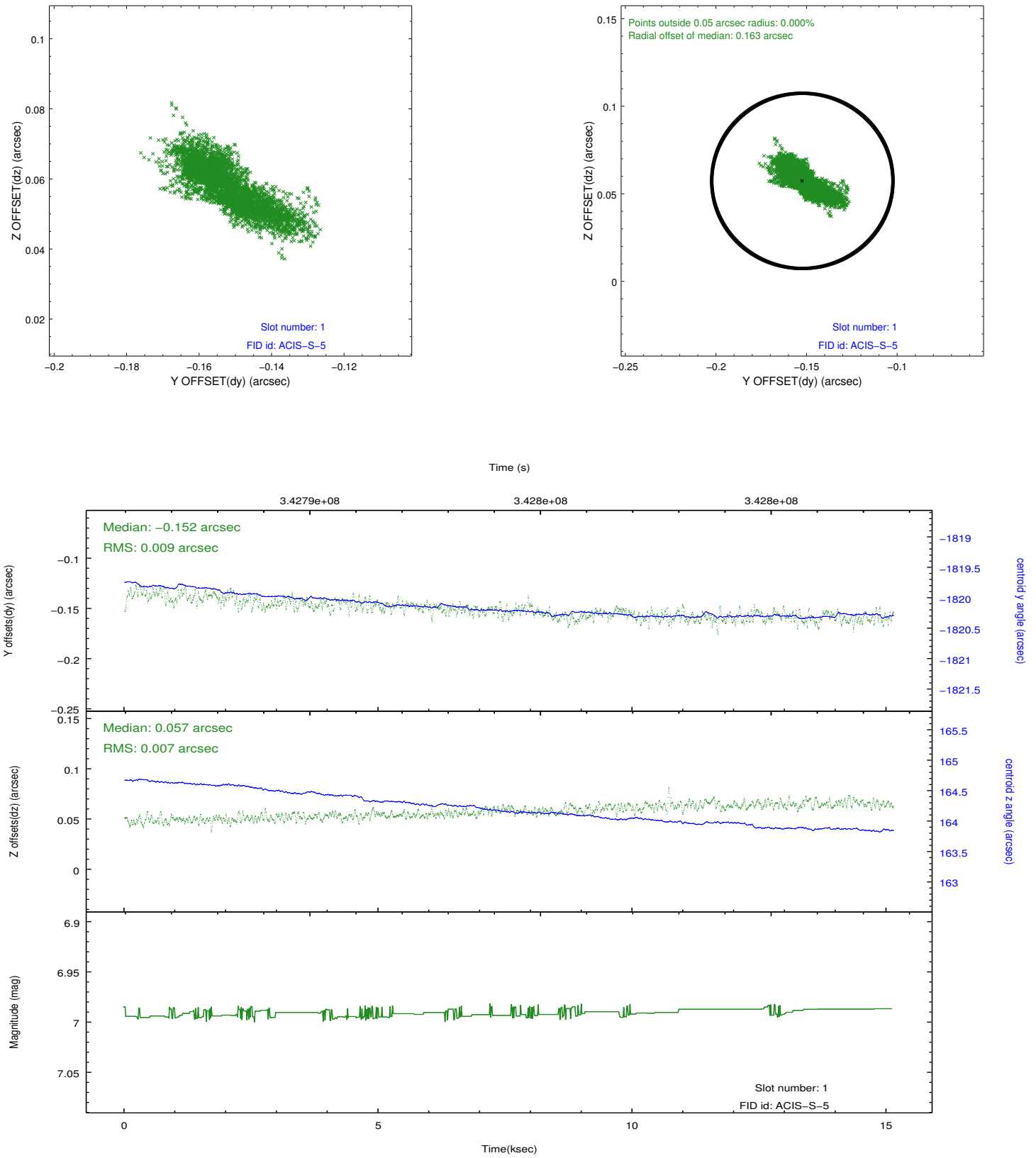


2.5 FID Slots

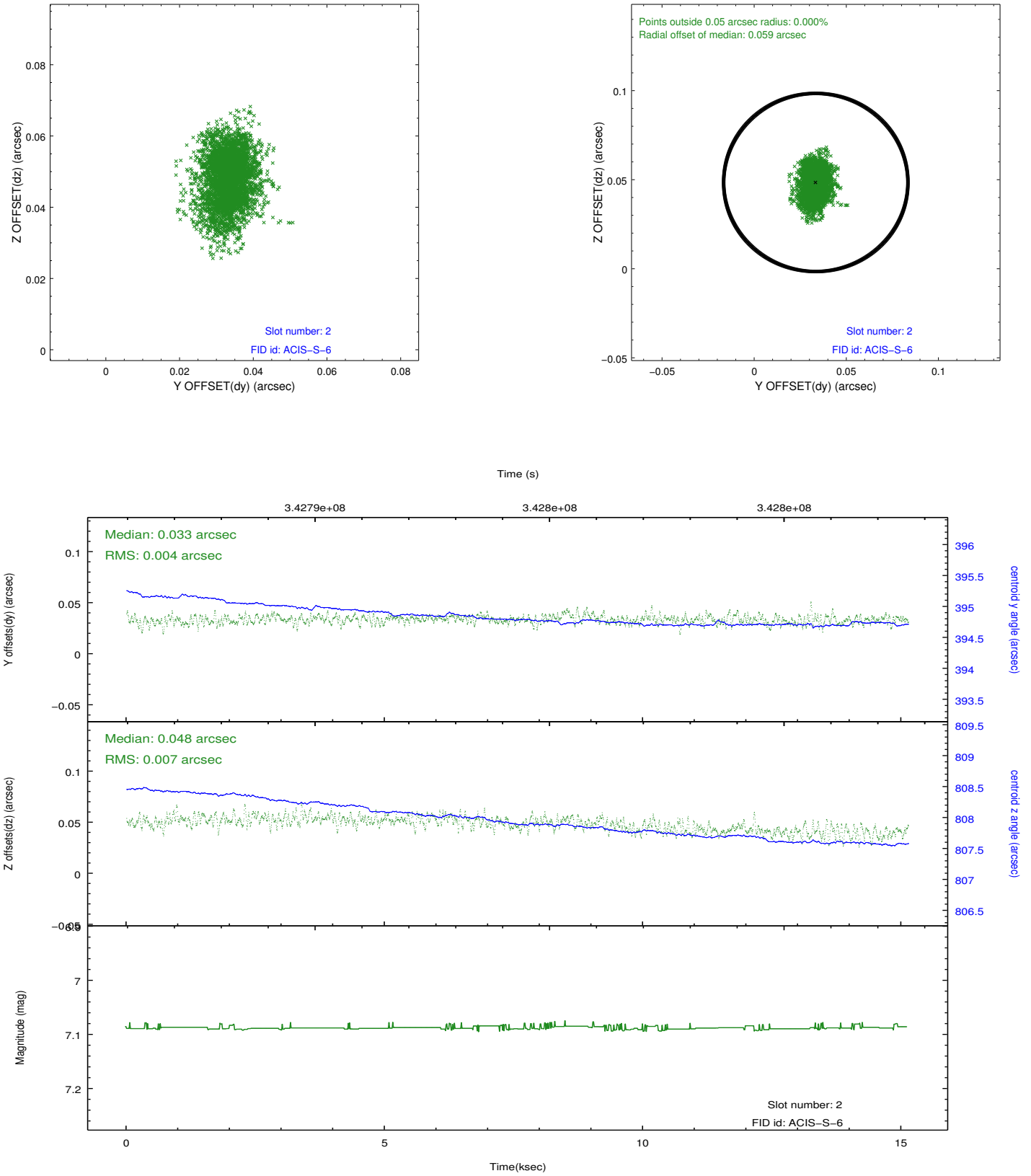
2.5.1 Slot 0



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)	2012.05.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.1374997

A.2 Comments

Time constraint met.