

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 17534 - L2 Version 1
Chandra X-Ray Center

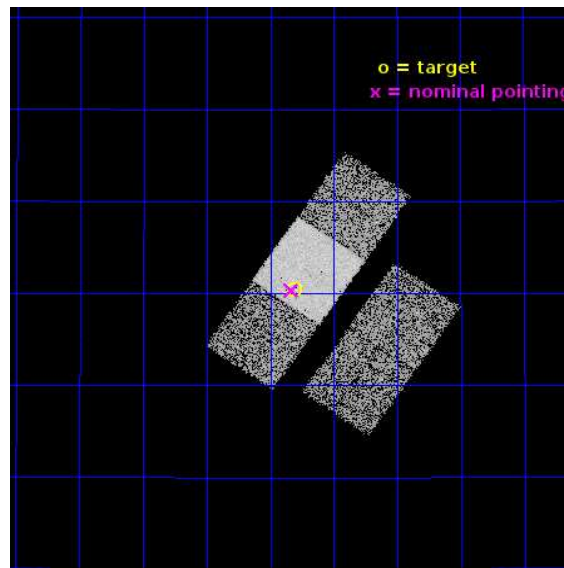
L2 Processing Date : Oct 20 2014

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1 Front

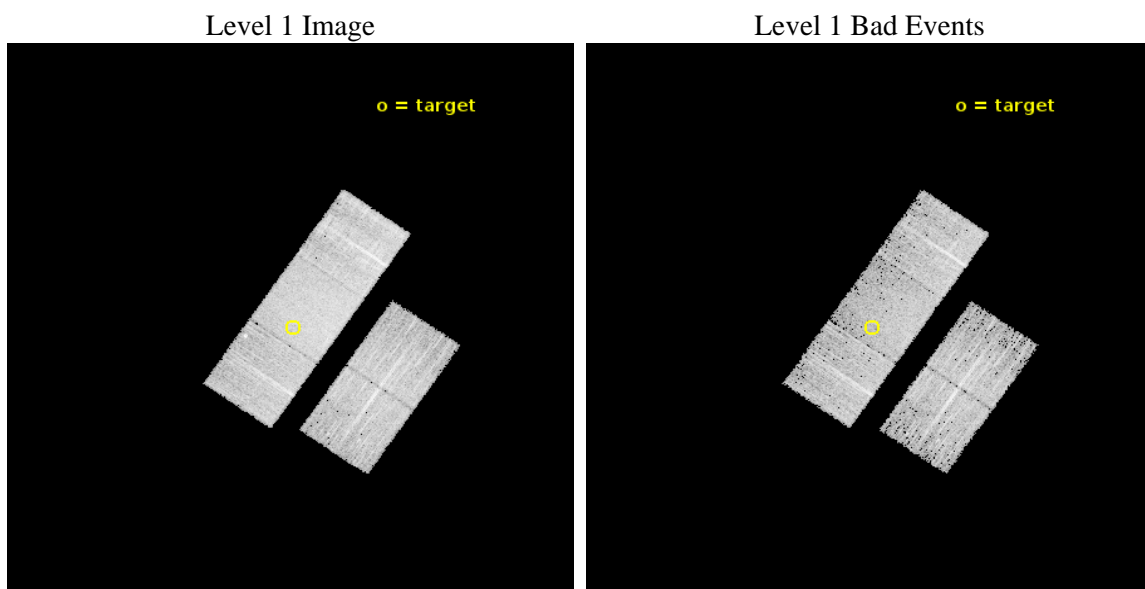
seq_num	200974	Sequence number
obs_id	17534	Observation id
title	Rejuvenation of the Innocent Bystander: Testing Spin-Up in a Dwarf Carbon Star Sample	Proposal title
observer	Dr. Paul Green	Principal investigator
object	SDSS J163718.64+274026.5	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	249.3275	Observer's specified target RA [deg]
dec_targ	27.674028	Observer's specified target Dec [deg]
ra_nom	249.33341077754	Nominal RA [deg]
dec_nom	27.672420175661	Nominal Dec [deg]
roll_nom	304.65387745752	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8564.6626013517	Sum of GTIs [s]
livetime	8452.7589792522	Livetime [s]
ontime2	8561.3574011326	Sum of GTIs [s]
ontime3	8564.5805213451	Sum of GTIs [s]
ontime6	8564.6215613484	Sum of GTIs [s]
ontime7	8564.6626013517	Sum of GTIs [s]
ontime8	8564.5394813418	Sum of GTIs [s]
l2events	45782	Number of level 2 events



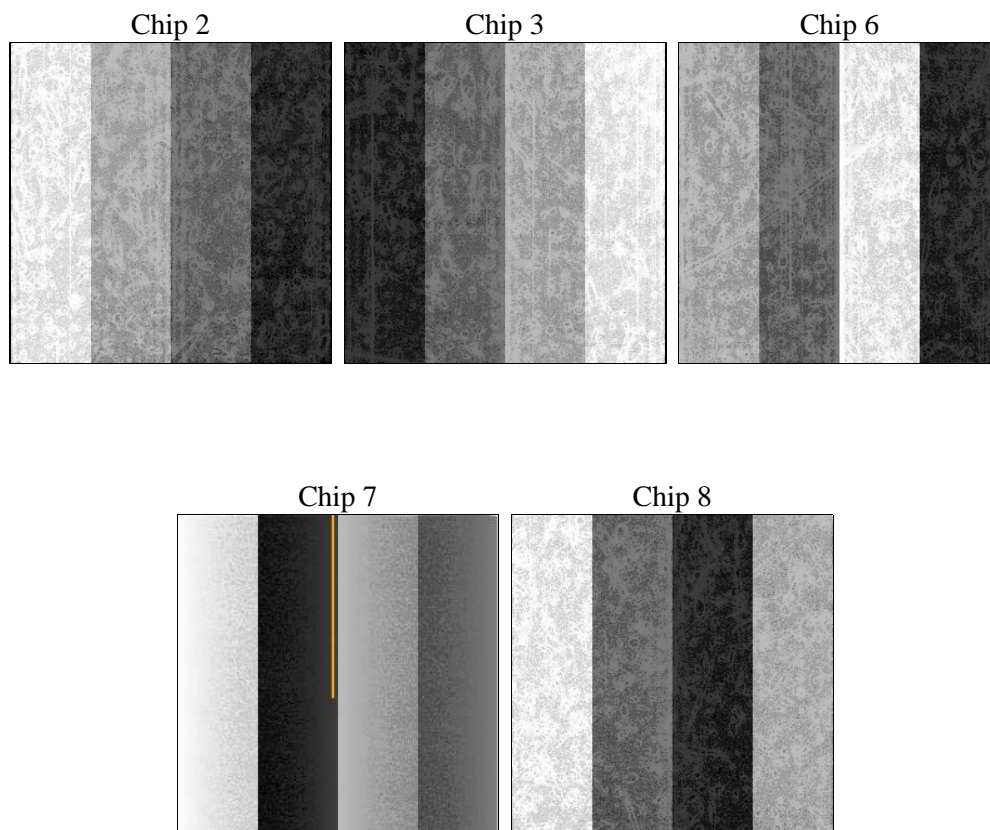
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8500.000000	[s] Scheduled observation exposure time
ascdsver	10.2.4	Processing system revision	ontime	8564.6626013517	Sum of GTIs [s]
caldsver	4.6.3	 	ontime2	8561.3574011326	Sum of GTIs [s]
date	2014-10-20T04:49:10	Date and time of file creation	ontime3	8564.5805213451	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8564.6215613484	Sum of GTIs [s]
			ontime7	8564.6626013517	Sum of GTIs [s]
			ontime8	8564.5394813418	Sum of GTIs [s]
			l1events	265274	Number of level 1 events

2.1.4 Events

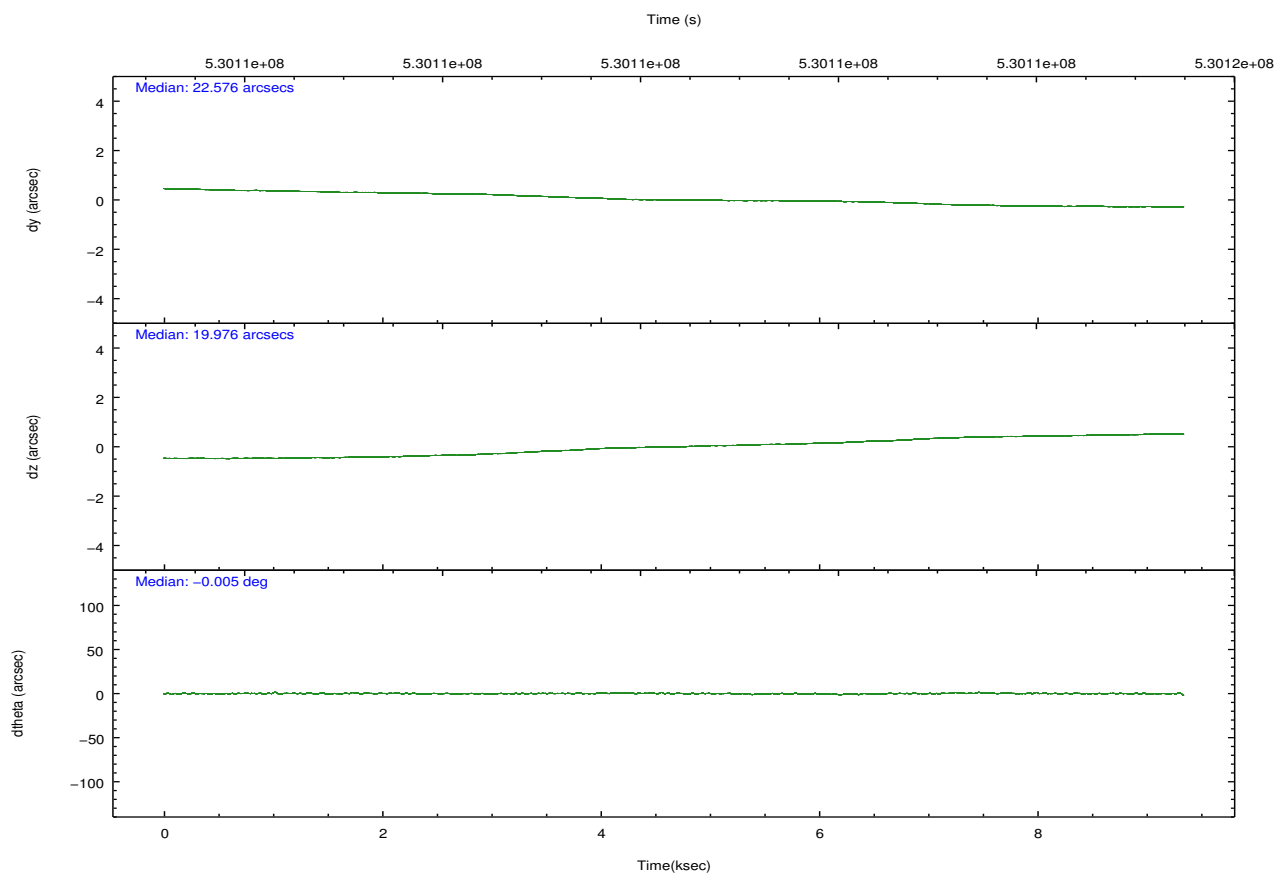
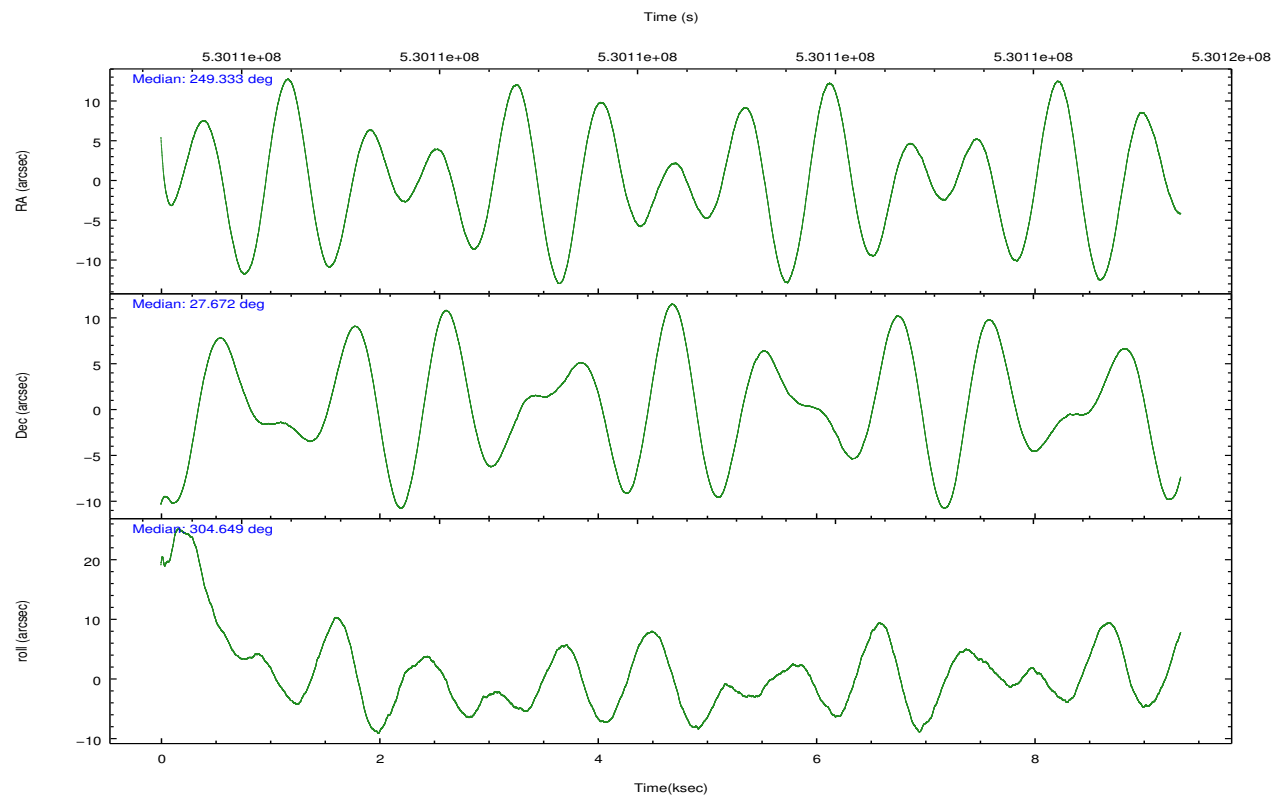
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	46011	44766	47906	63779	62812
rejected events	40761	39735	41952	36555	46411
rejected %	88%	88%	87%	57%	73%

	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	1834	1736	2117	2334	4558
	3%	3%	4%	3%	7%
grade 1 events	19	22	32	73	56
	0%	0%	0%	0%	0%
grade 2 events	1263	1116	1294	5615	3931
	2%	2%	2%	8%	6%
grade 3 events	549	507	594	2214	1715
	1%	1%	1%	3%	2%
grade 4 events	530	531	593	2241	1575
	1%	1%	1%	3%	2%
grade 5 events	2014	2393	2414	6529	3531
	4%	5%	5%	10%	5%
grade 6 events	1076	1143	1357	14832	4624
	2%	2%	2%	23%	7%
grade 7 events	38726	37318	39505	29941	42822
	84%	83%	82%	46%	68%

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	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	249.305203	249.3334107775447	CCD I2 on	O1	Y
[deg] Pointing Dec	27.683920	27.6724201756608	CCD I3 on	Y	Y
[deg] Pointing Roll	304.510355	304.6538774575246	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	O2	Y
[s] Observation start time (MET)	530106498.184000	530104593.59822	CCD S5 on	N	N
Observation start date	2014-10-19T11:47:11	2014-10-19T11:16:33	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	530114998.184000	530115771.22384	On-chip summing requested	N	N
Observation end date	2014-10-19T14:08:51	2014-10-19T14:22:51	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect

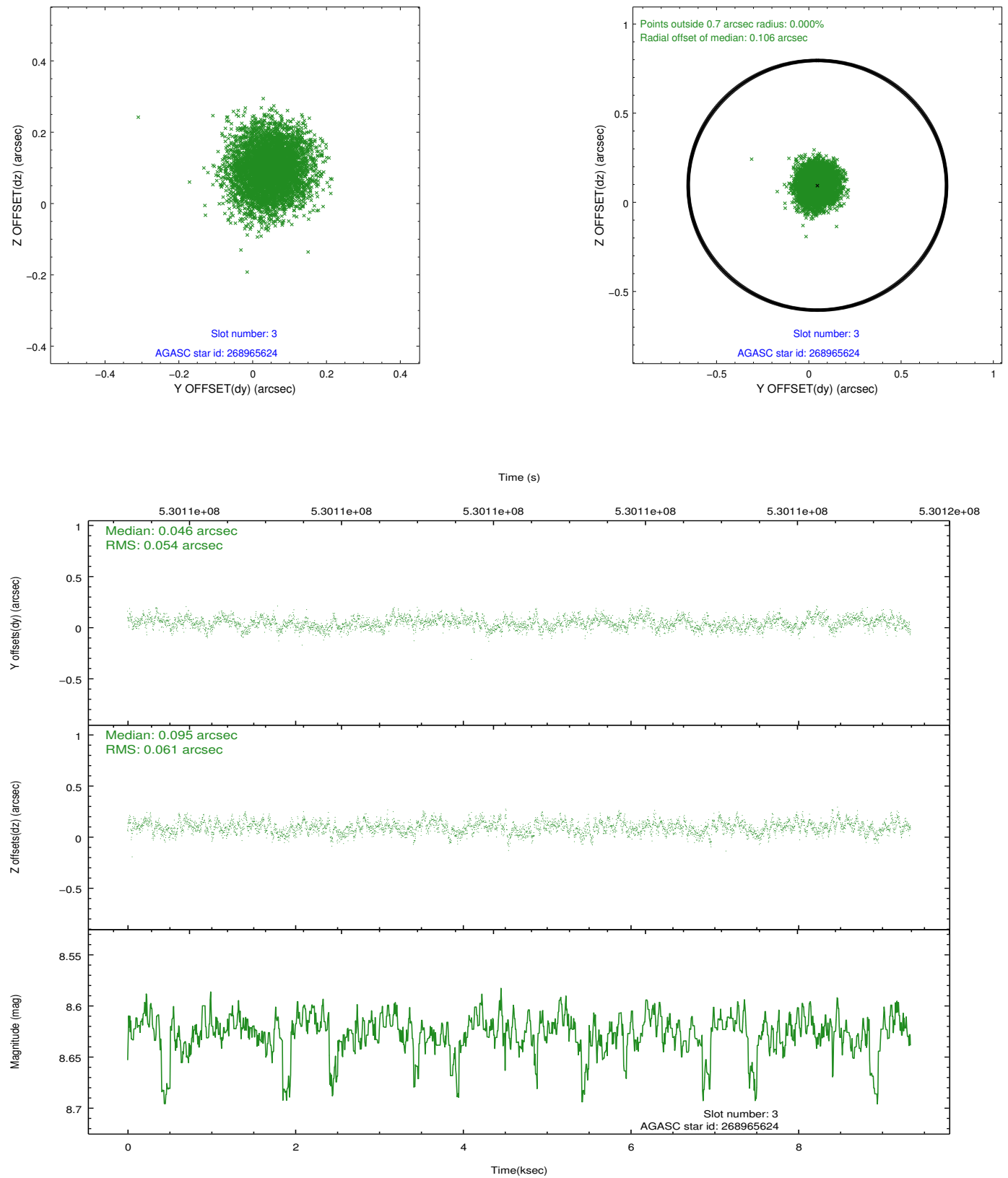


Slot Statistics

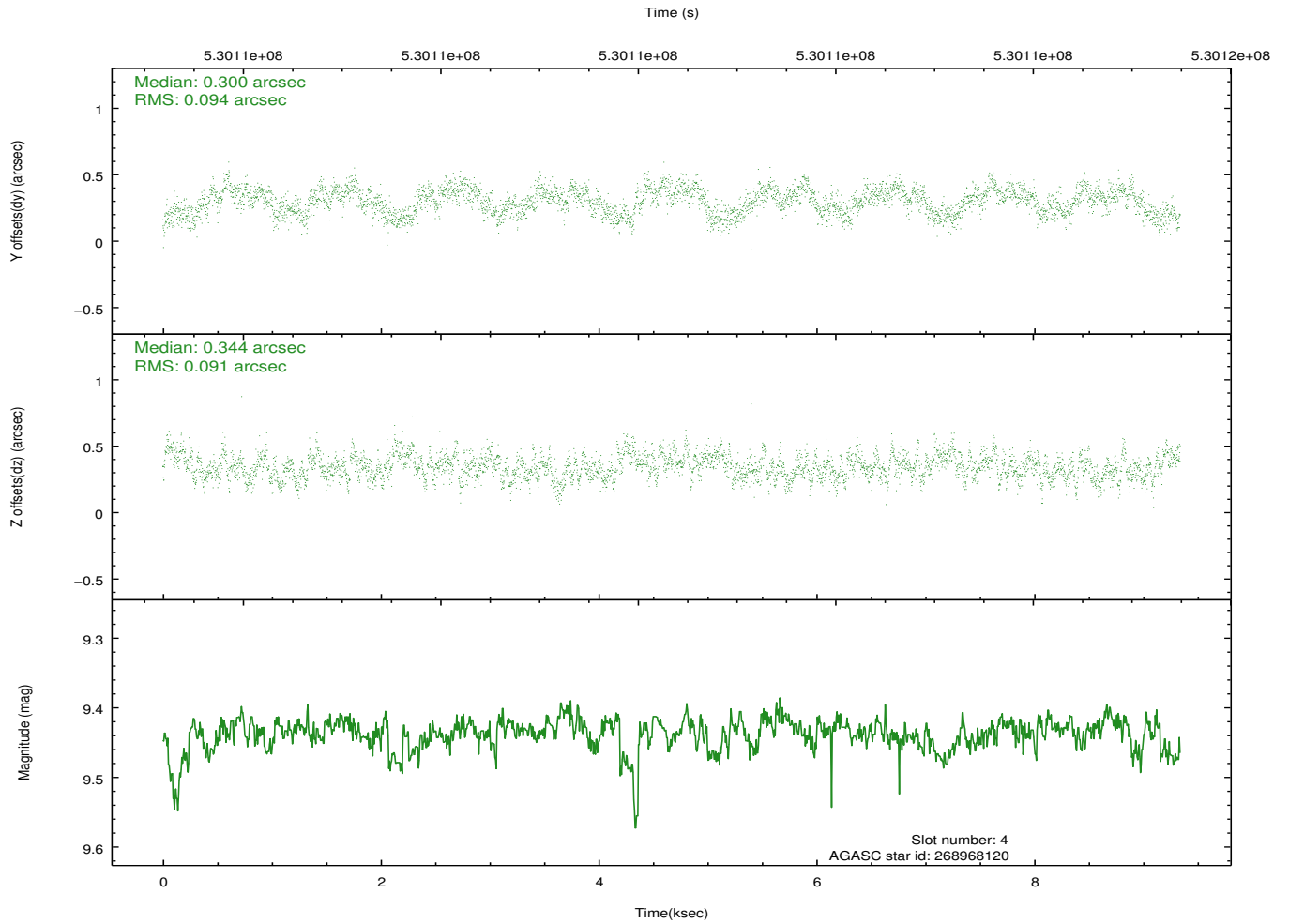
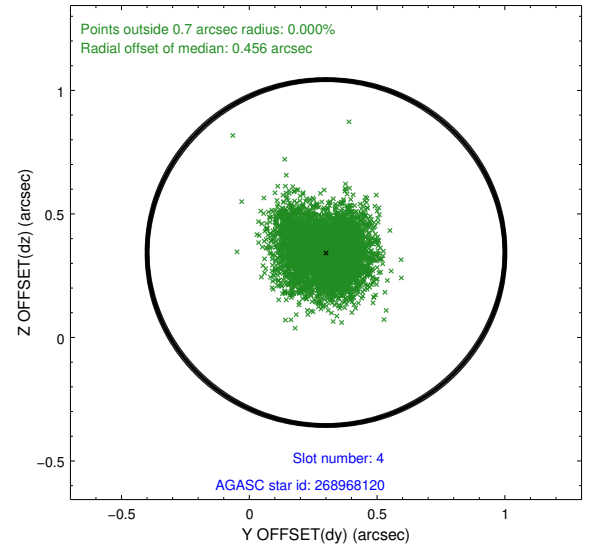
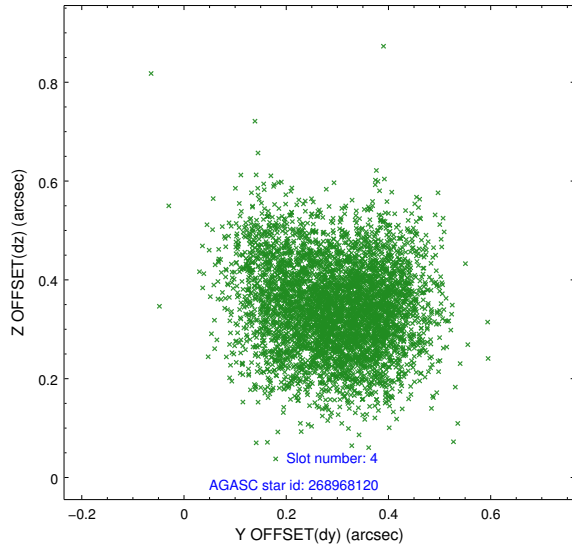
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.99	2278	-0.135	-0.016	0.014	0.021	0.000000	0.000000	-775.91	-1741.50
1	FID	ACIS-S-4	7.08	2278	0.307	0.069	0.020	0.031	0.000000	0.000000	2137.51	166.50
2	FID	ACIS-S-5	7.10	2279	-0.203	-0.045	0.017	0.026	0.000000	0.000000	-1828.11	160.67
3	GUIDE	268965624	8.63	4556	0.046	0.095	0.088	0.139	248.936629	27.873232	-1227.80	-578.99
4	GUIDE	268968120	9.44	4551	0.300	0.344	0.141	0.220	248.865605	27.871413	-1350.67	-768.48
5	GUIDE	269097344	9.07	4557	0.088	0.027	0.121	0.195	249.117541	27.164856	1198.91	-1553.40
6	GUIDE	269099048	8.04	4555	-0.069	-0.001	0.075	0.121	249.423156	27.364423	1161.87	-341.00
7	GUIDE	269097064	9.02	4551	-0.363	-0.471	0.095	0.154	250.060753	27.728168	1226.57	2078.32

2.4 Star Slots

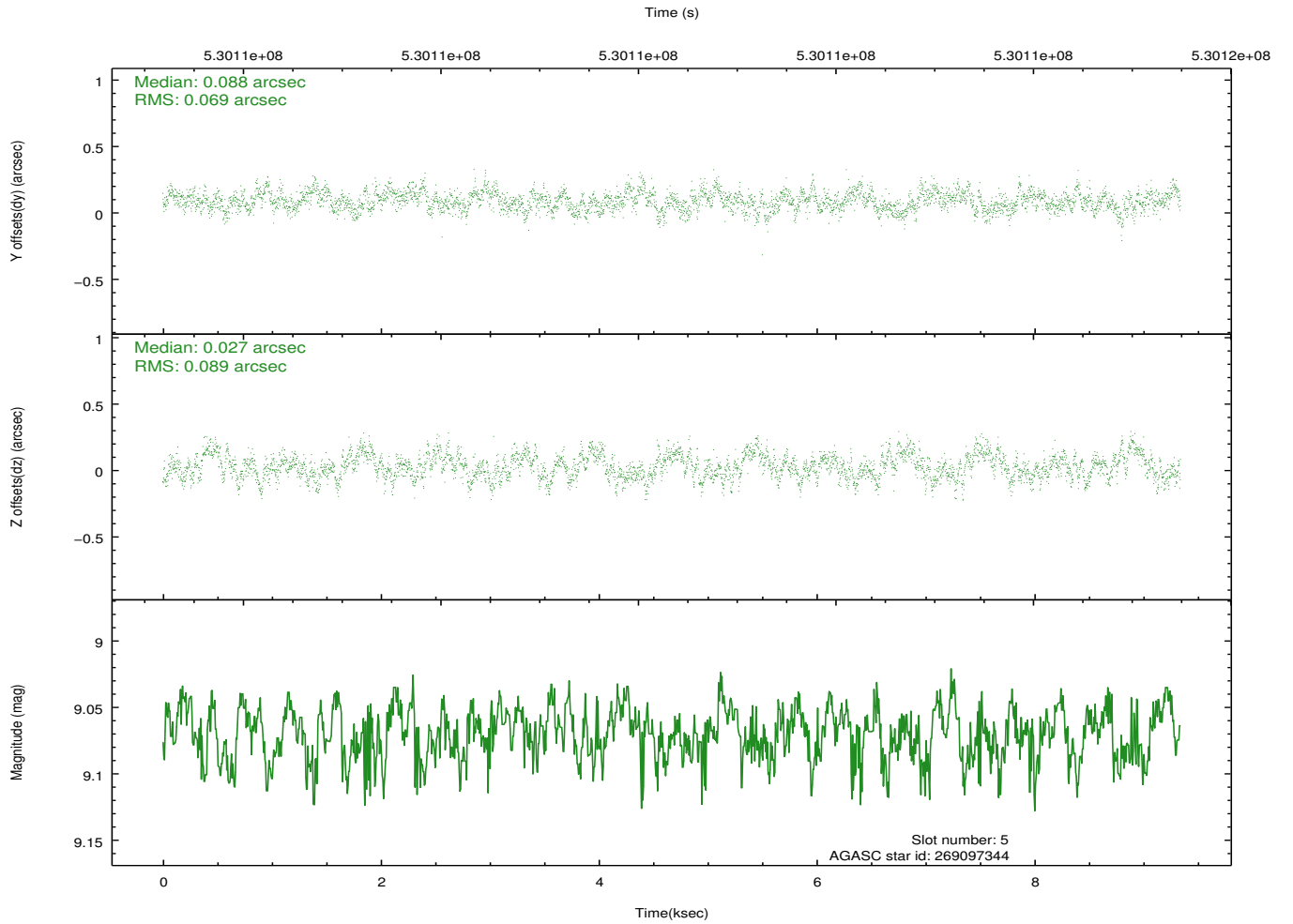
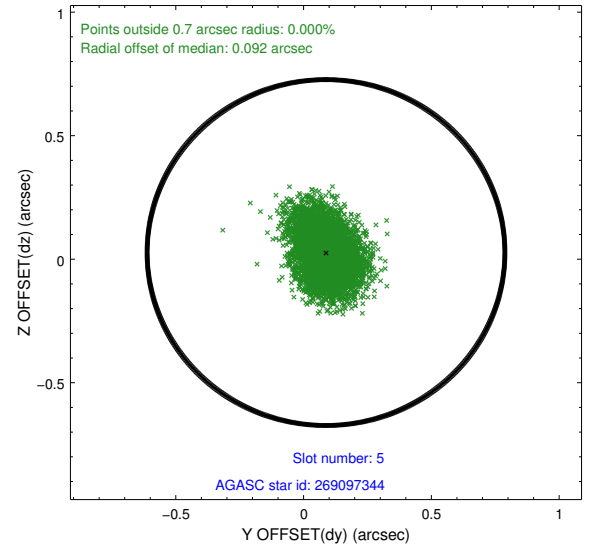
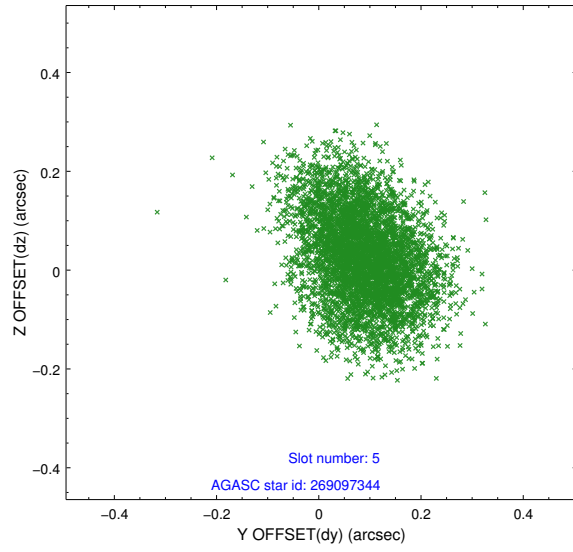
2.4.1 Slot 3



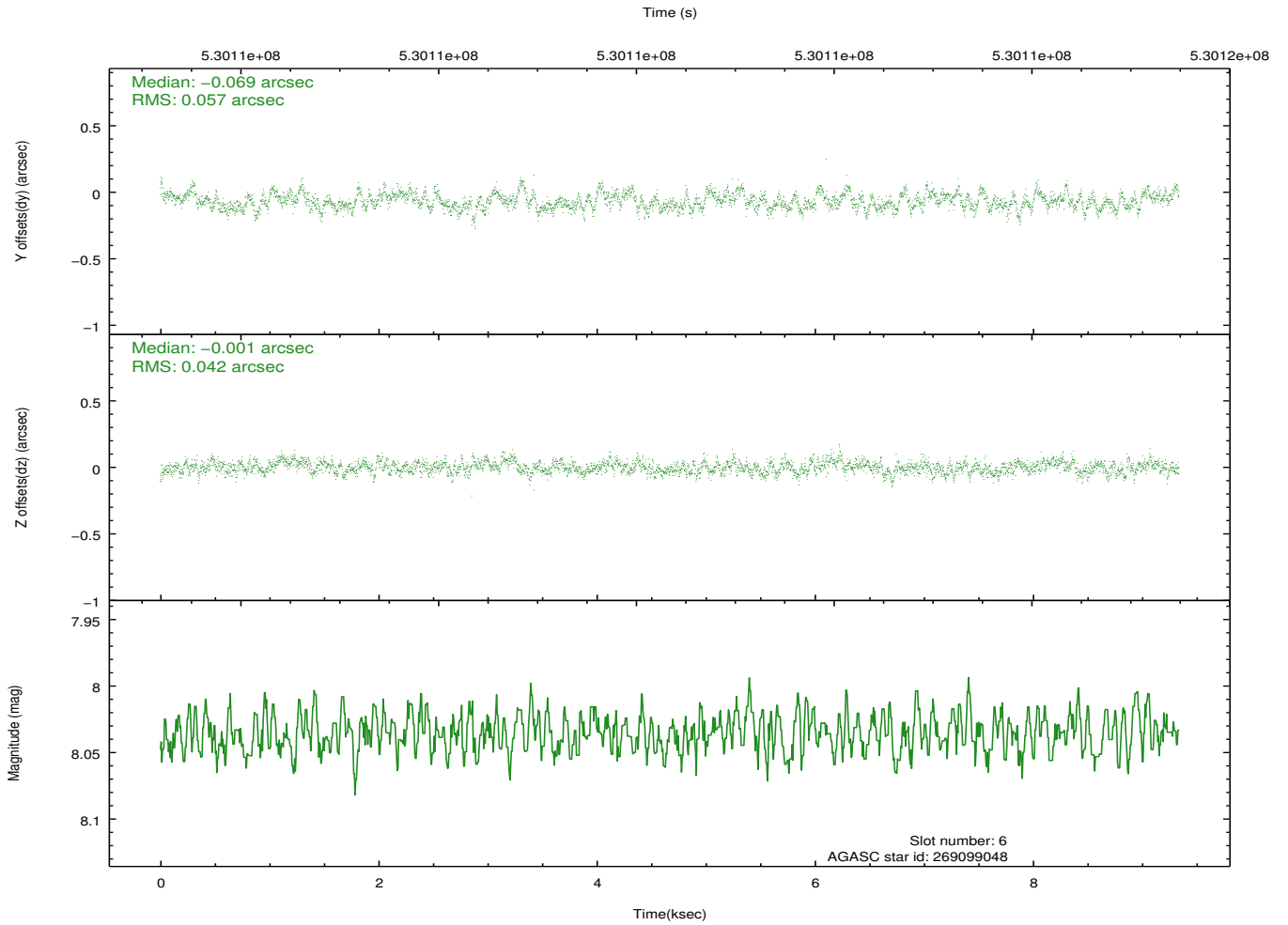
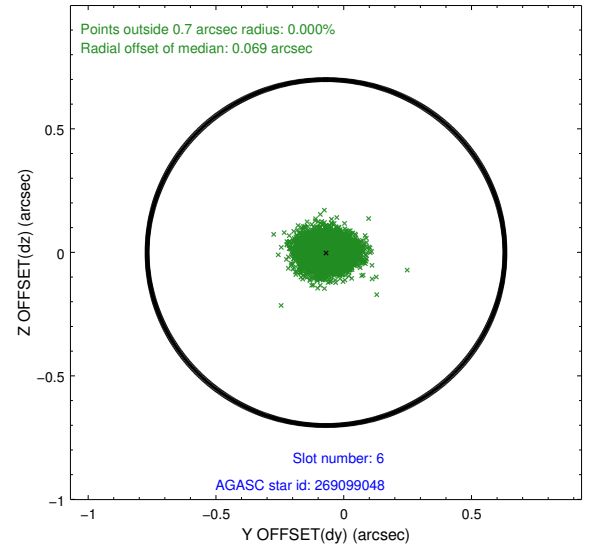
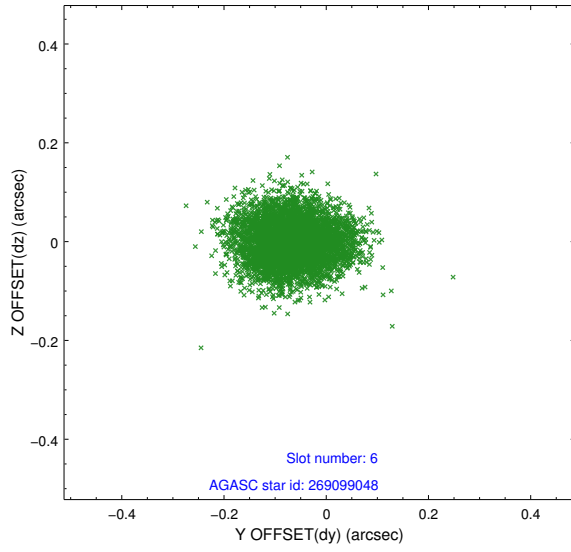
2.4.2 Slot 4



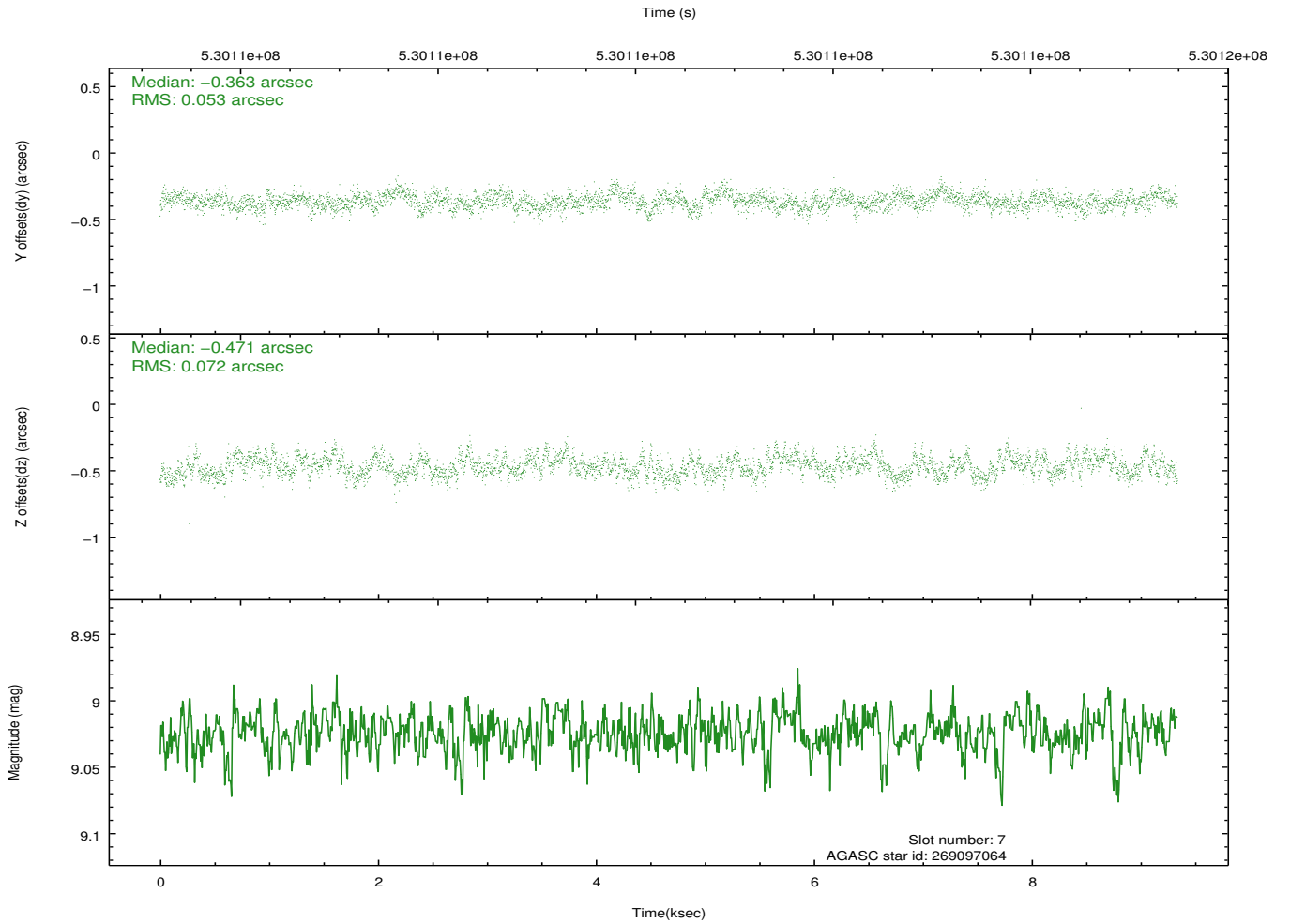
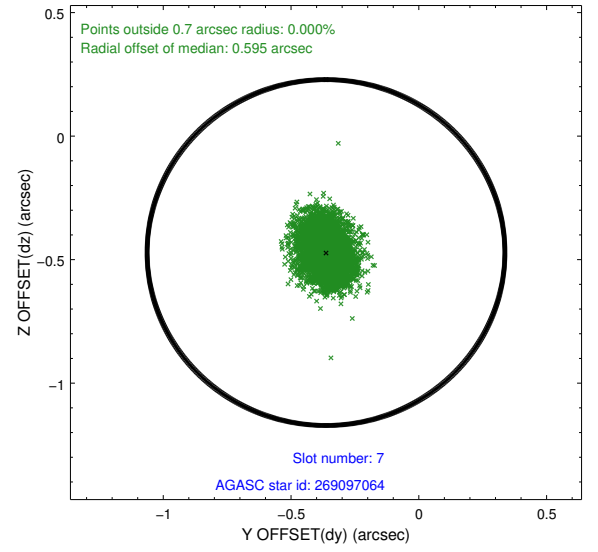
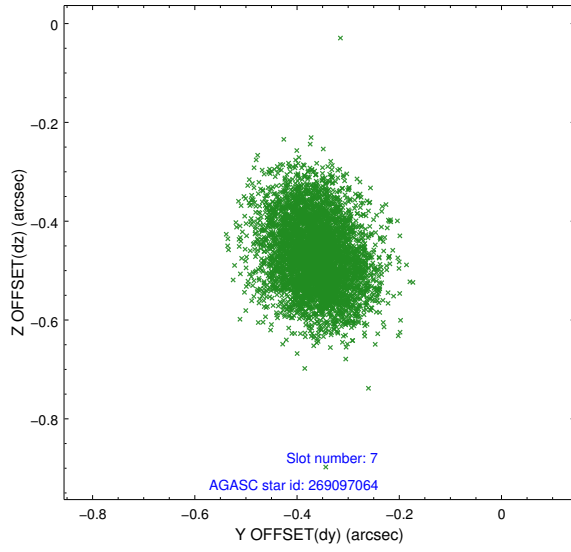
2.4.3 Slot 5



2.4.4 Slot 6

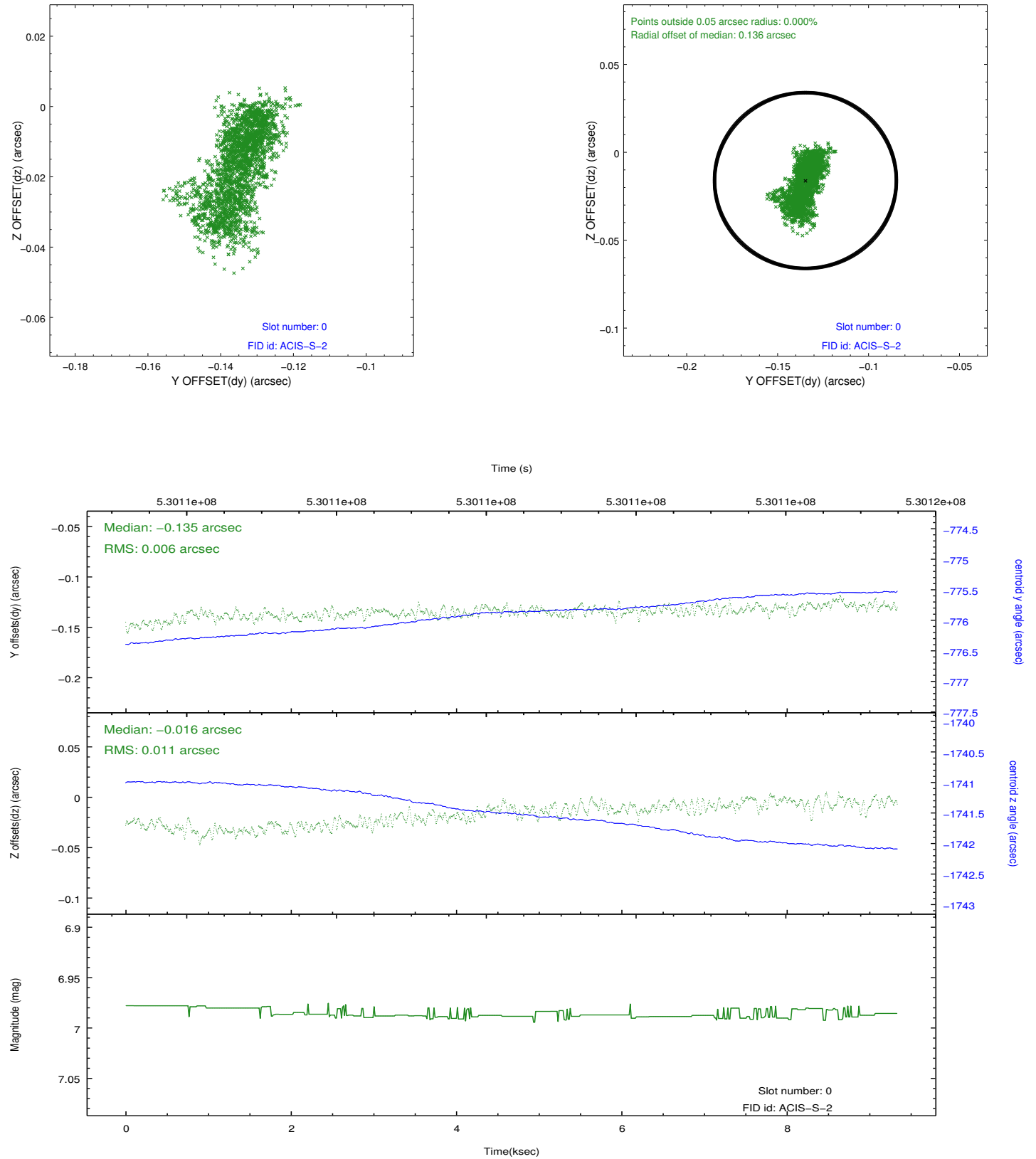


2.4.5 Slot 7

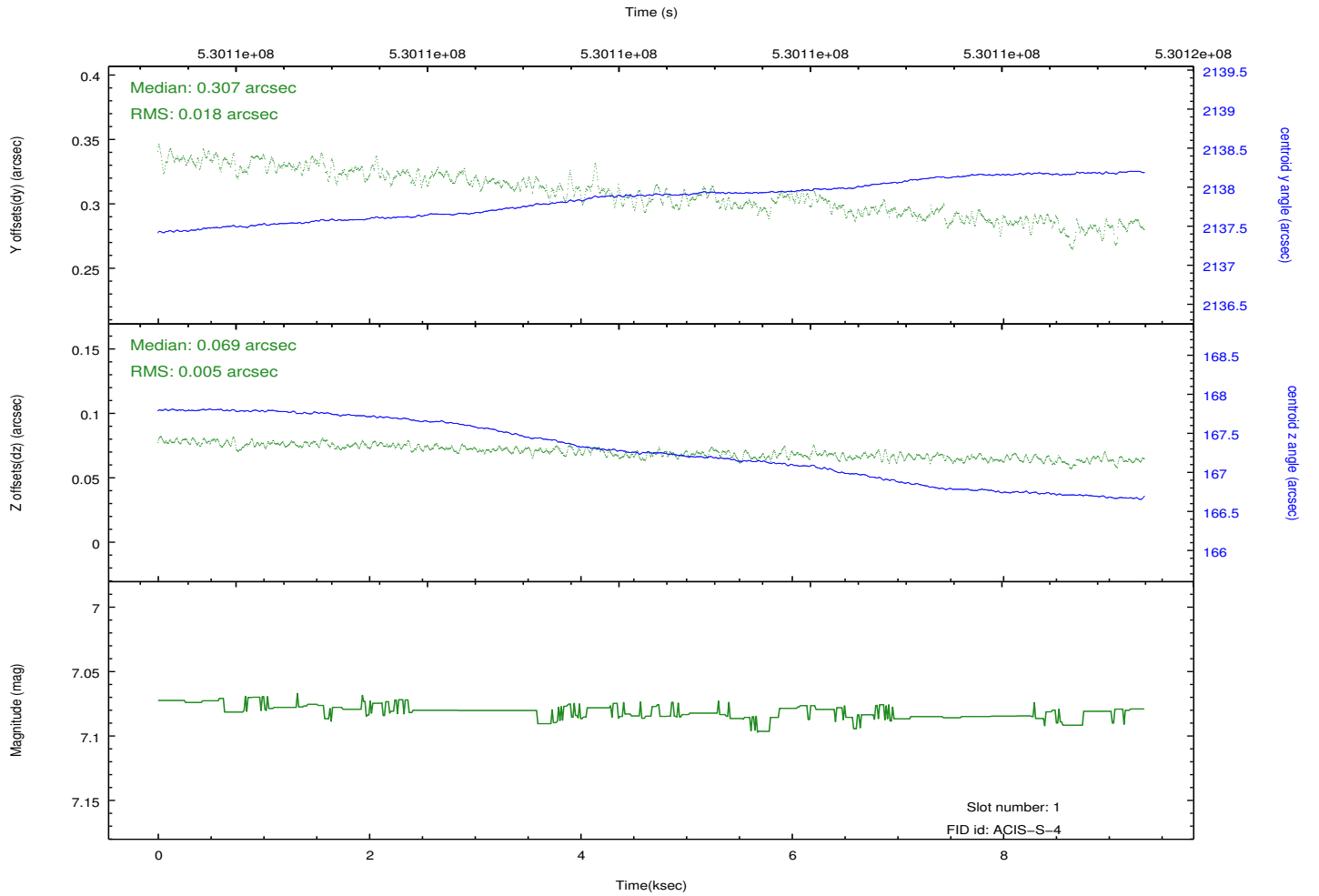
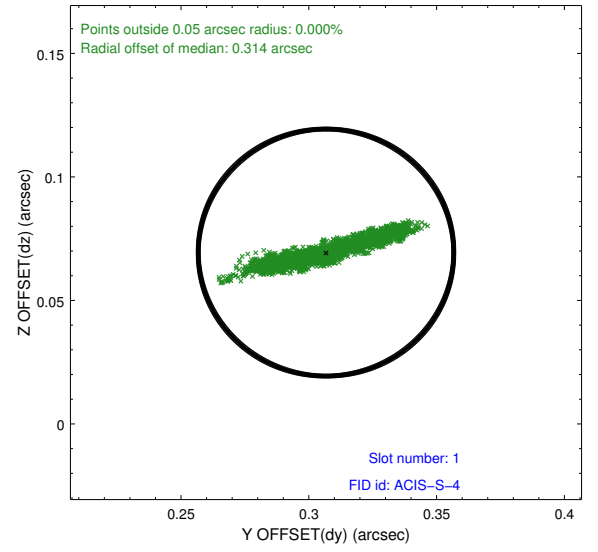
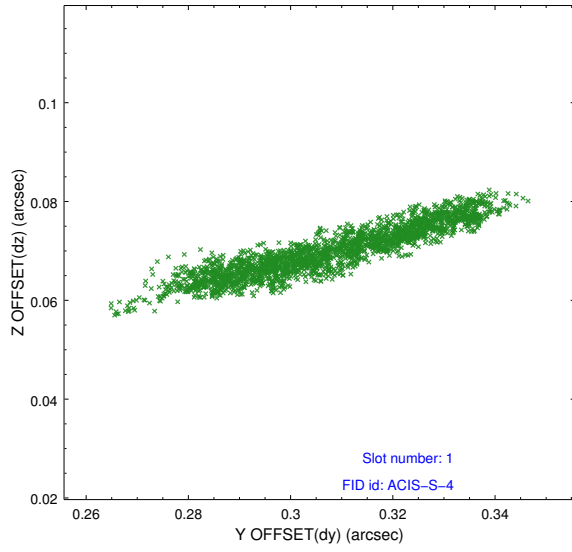


2.5 FID Slots

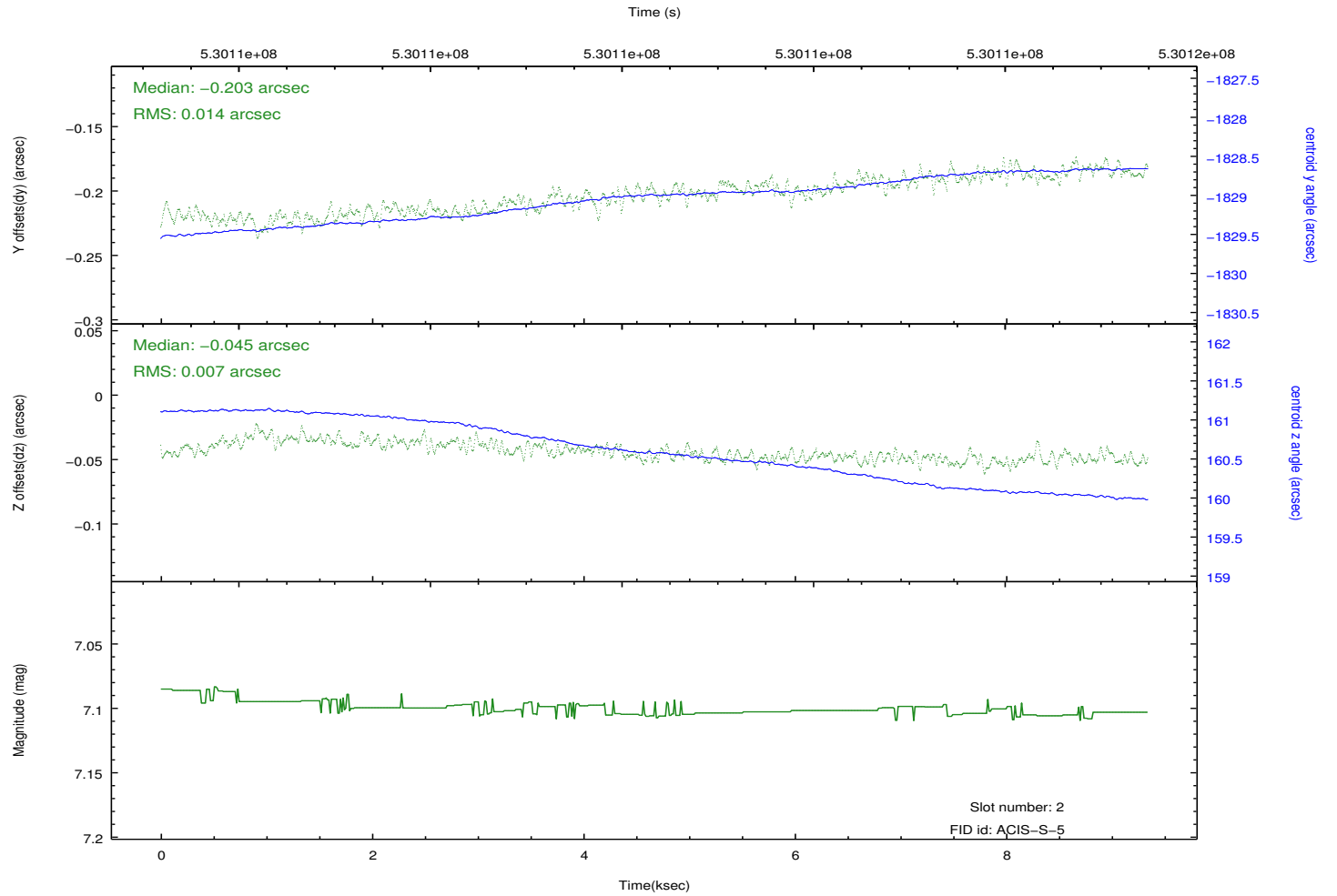
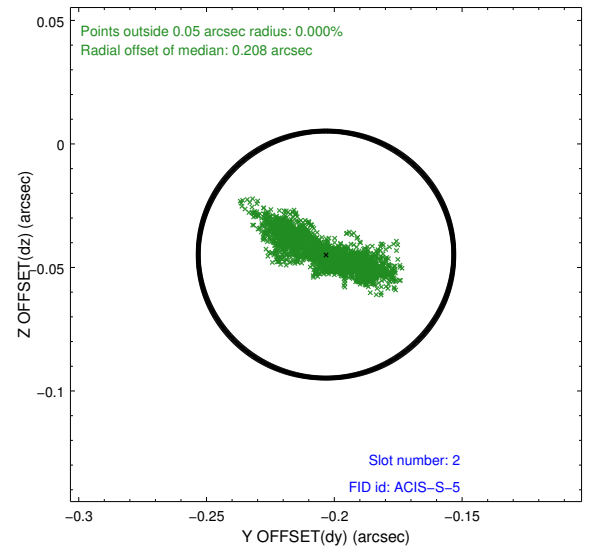
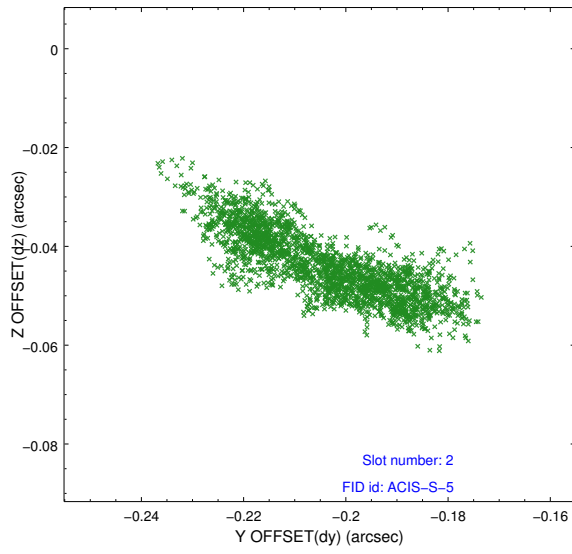
2.5.1 Slot 0



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)	2014.10.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.5646626013517

A.2 Comments