

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 7216 - L2 Version 2
Chandra X-Ray Center

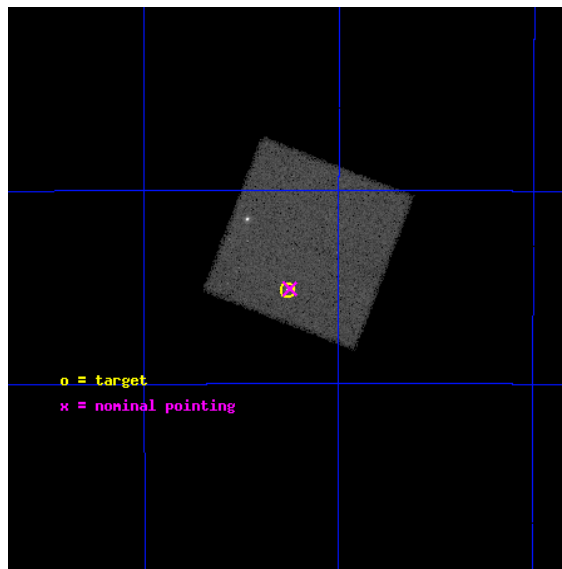
L2 Processing Date : Mar 25 2012

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1 Front

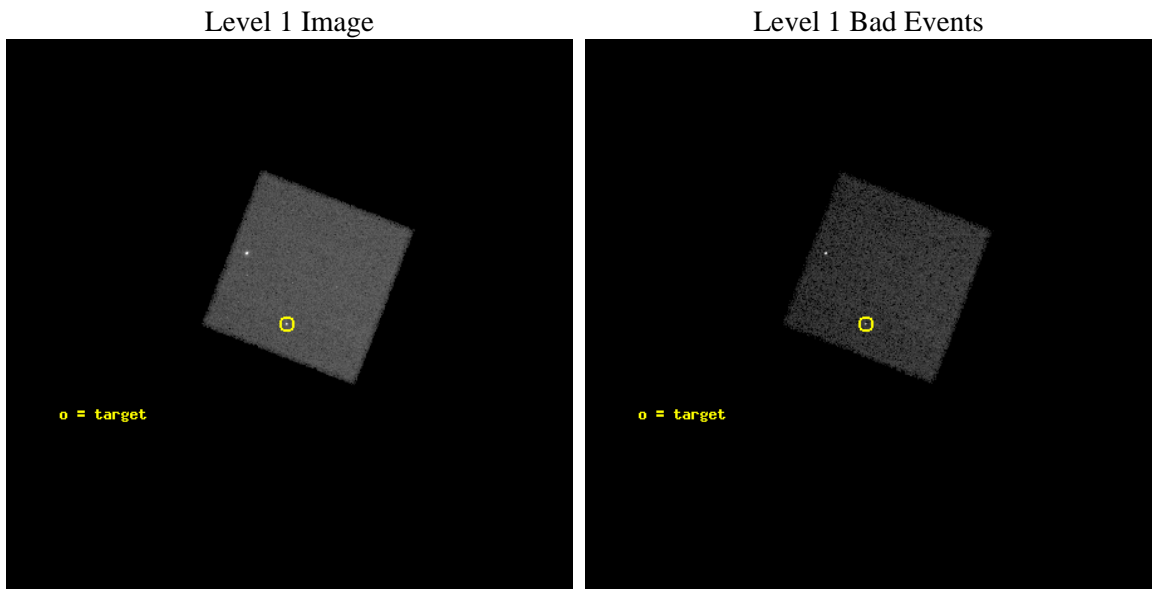
seq_num	590453	Sequence number
obs_id	7216	Observation id
title	Calibrating Pile-up in ACIS Imaging Data with PSRJ0437-4715	Propos
observer	Dr. CXC Calibration	Principal investigator
object	PSR J0437-4715	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	69.315833	Observer's specified target RA [deg]
dec_targ	-47.252333	Observer's specified target Dec [deg]
ra_nom	69.312790054462	Nominal RA [deg]
dec_nom	-47.251557100373	Nominal Dec [deg]
roll_nom	291.13087204225	Nominal Roll [deg]
revision	2	Processing version of data
ontime	18906.0	Sum of GTIs [s]
livetime	18777.56147948	Livetime [s]
ontime7	18906.0	Sum of GTIs [s]
l2events	95589	Number of level 2 events



2 OBI

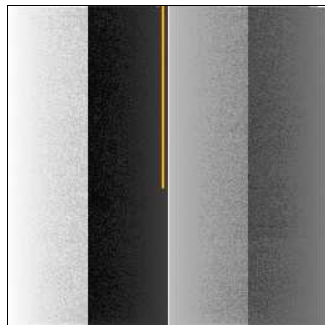
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	18500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	18906.0	Sum of GTIs [s]
caldbver	4.4.8	 	ontime7	18906.0	Sum of GTIs [s]
date	2012-03-25T03:29:51	Date and time of file creation	l1events	204941	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

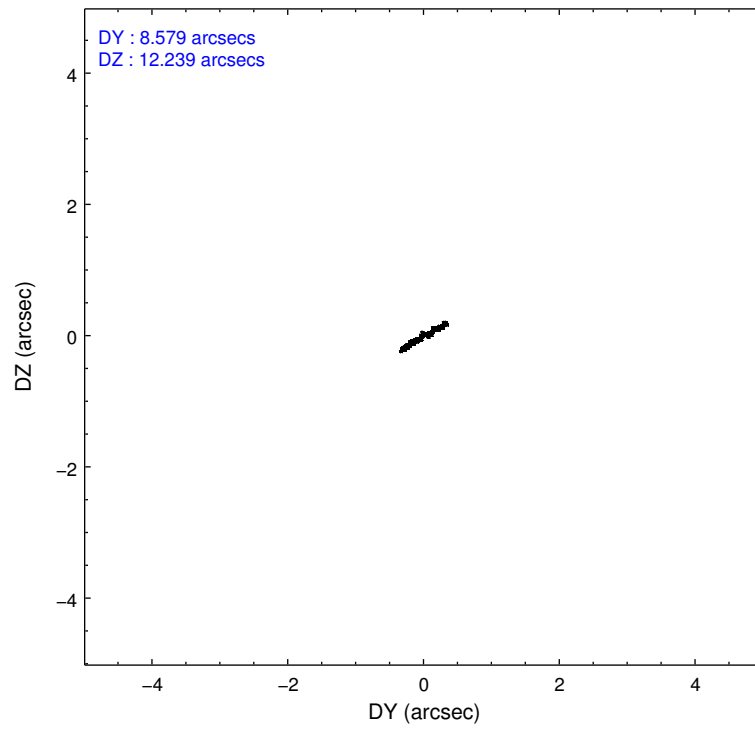
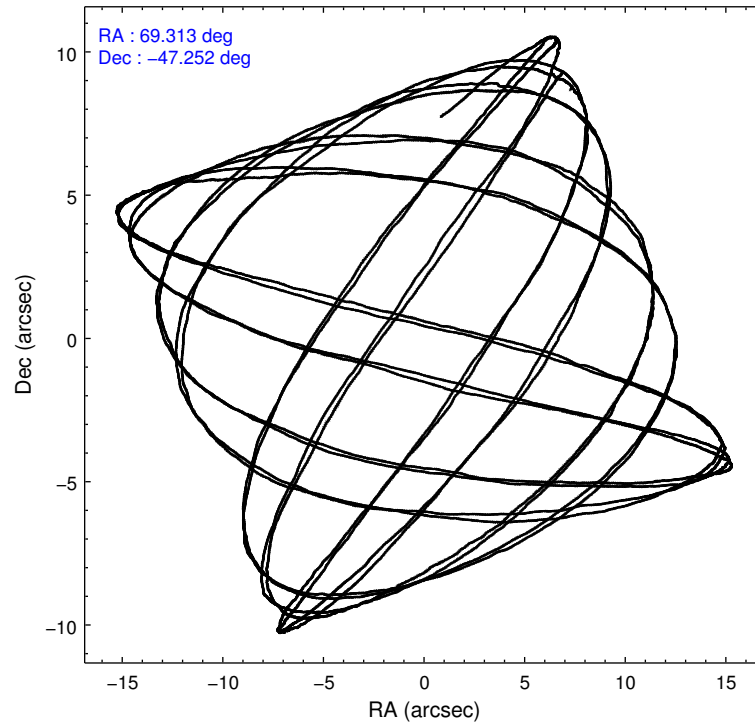
	ccd 7
level 1 events	204941
rejected events	107313
rejected %	52%

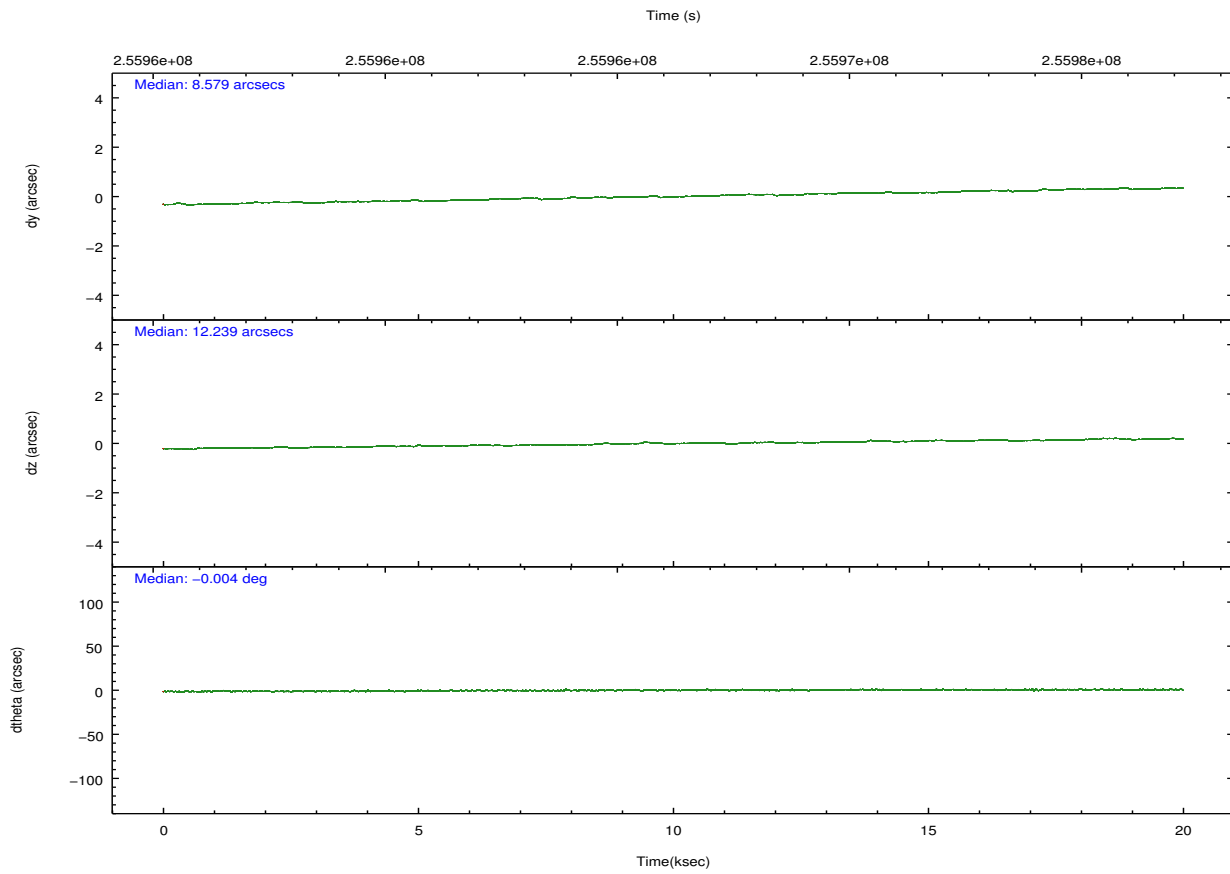
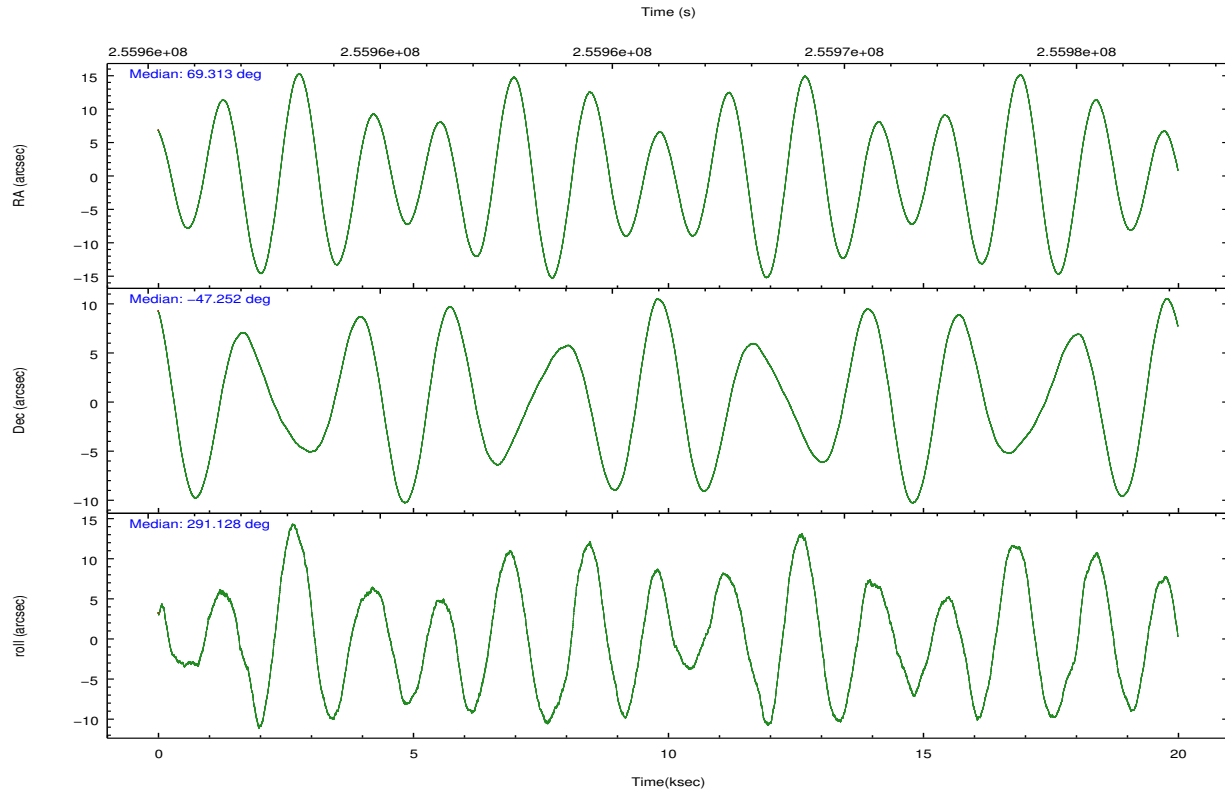
	ccd 7
grade 0 events	10970
	5%
grade 1 events	715
	0%
grade 2 events	20215
	9%
grade 3 events	8905
	4%
grade 4 events	8605
	4%
grade 5 events	20360
	9%
grade 6 events	48960
	23%
grade 7 events	86211
	42%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	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	69.281201	69.3127900544624	Subarray requested	NONE	NONE
[deg] Pointing Dec	-47.234757	-47.25155710037294	Alternating exposures requested	N	N
[deg] Pointing Roll	290.951043	291.130872042252	[s] Primary exposure time	0.000000	6
[s] Window start time (MET)	249782464.184000	249782464.184000			
[s] Window stop time (MET)	257558405.184000	257558405.184000			
[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)	255957698.184000	255956016.578			
Observation start date	2006-02-10T11:20:33	2006-02-10T10:53:36			
[s] Observation end time (MET)	255976198.184000	255976772.82897			
Observation end date	2006-02-10T16:28:53	2006-02-10T16:39:32			
Read mode	TIMED	TIMED			

2.3 Aspect



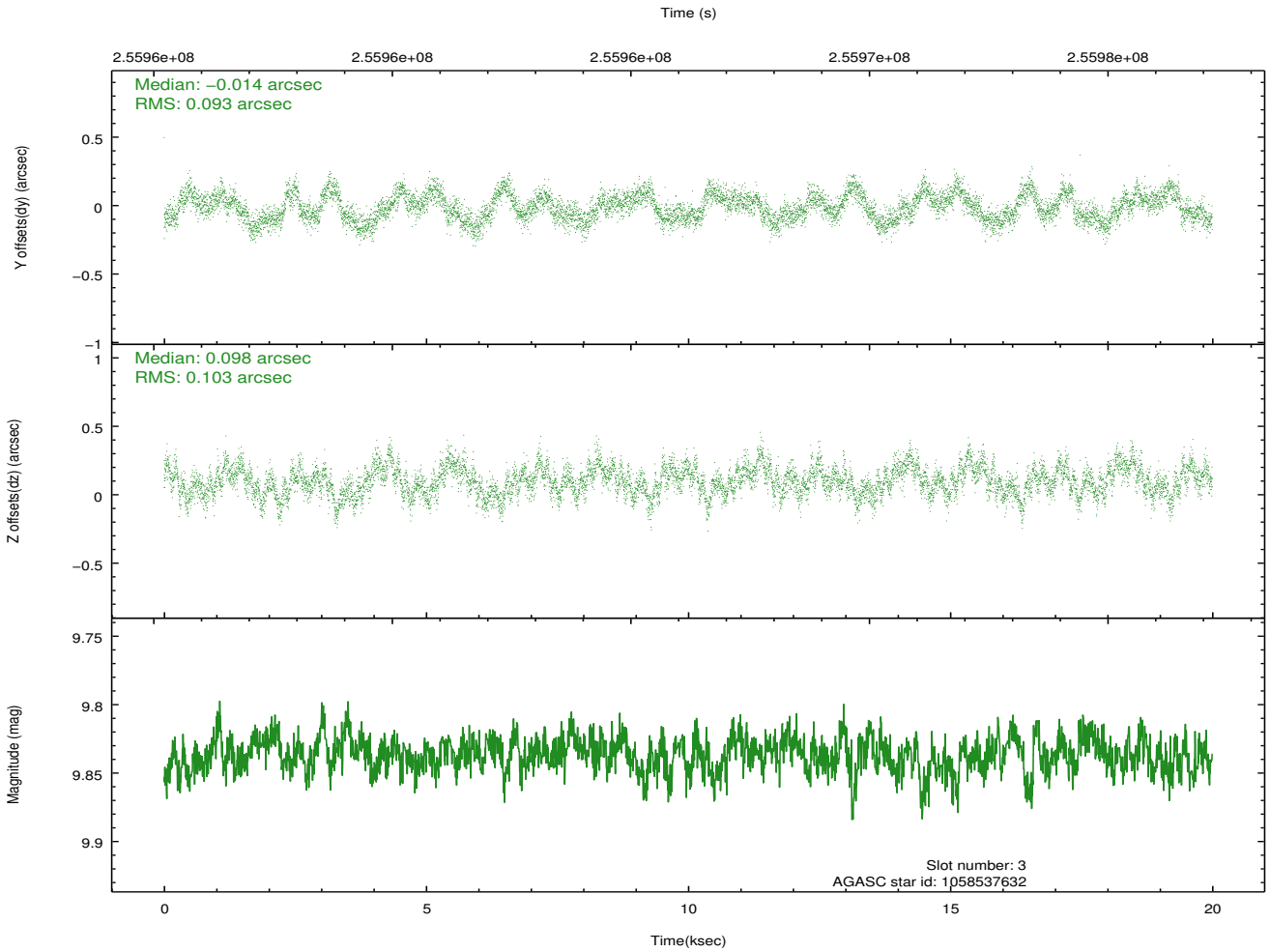
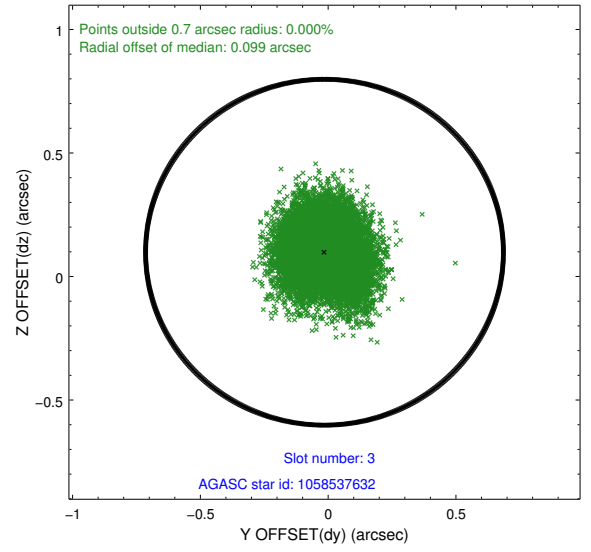
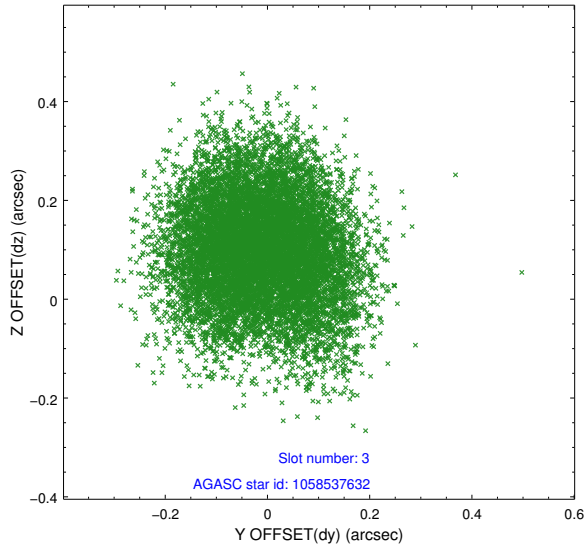


Slot Statistics

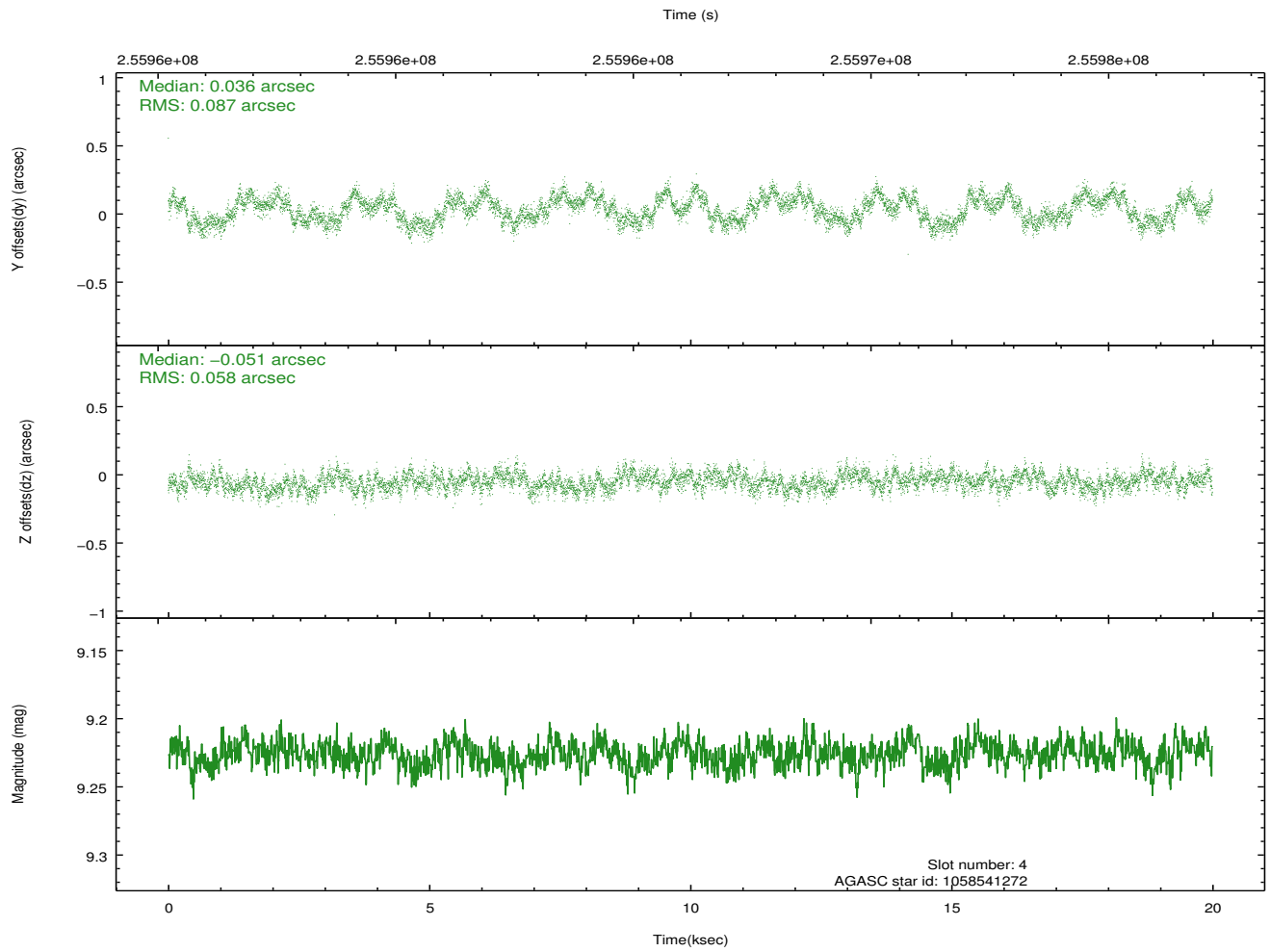
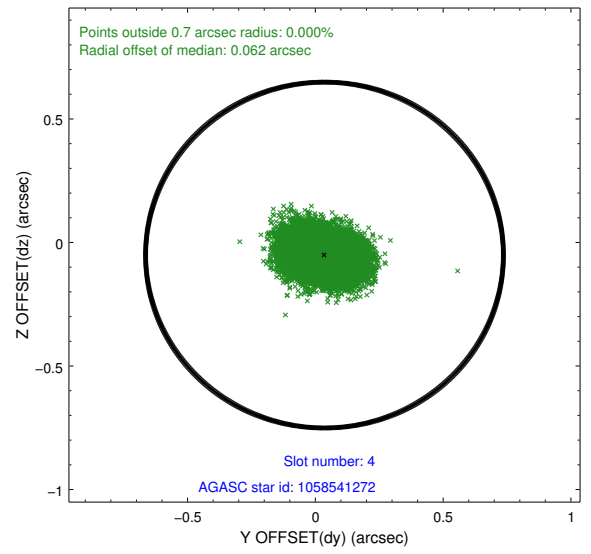
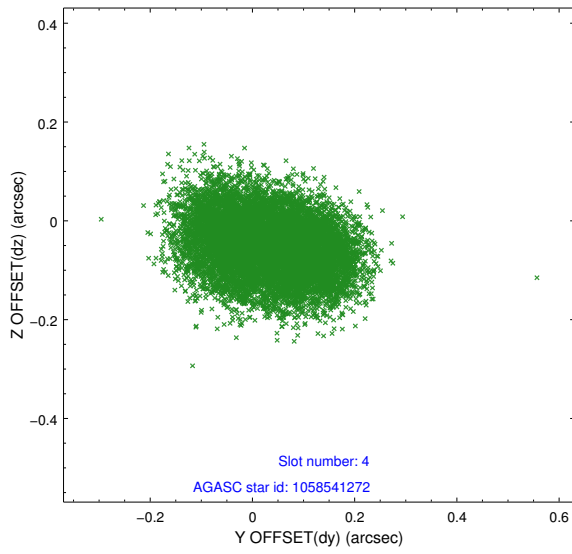
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	4878	-0.010	-0.028	0.010	0.015	0.000000	0.000000	-761.40	-1733.56
1	FID	ACIS-S-4	7.20	4878	0.116	0.012	0.011	0.018	0.000000	0.000000	2151.93	174.76
2	FID	ACIS-S-5	7.23	4877	-0.136	0.024	0.009	0.015	0.000000	0.000000	-1814.12	168.67
3	GUIDE	1058537632	9.84	9741	-0.014	0.098	0.150	0.233	68.291617	-47.025396	-1557.39	-2003.68
4	GUIDE	1058541272	9.23	9751	0.036	-0.051	0.114	0.173	68.392275	-46.921735	-1821.96	-1642.85
5	GUIDE	1058542336	9.62	9743	-0.099	0.008	0.114	0.181	69.740954	-46.597293	-1733.40	1881.47
6	GUIDE	1058544032	8.99	9749	0.105	-0.020	0.095	0.150	69.576631	-47.141596	-52.97	795.39
7	GUIDE	1058931064	9.44	9739	-0.028	-0.037	0.163	0.261	69.760694	-47.722390	2058.35	455.85

2.4 Star Slots

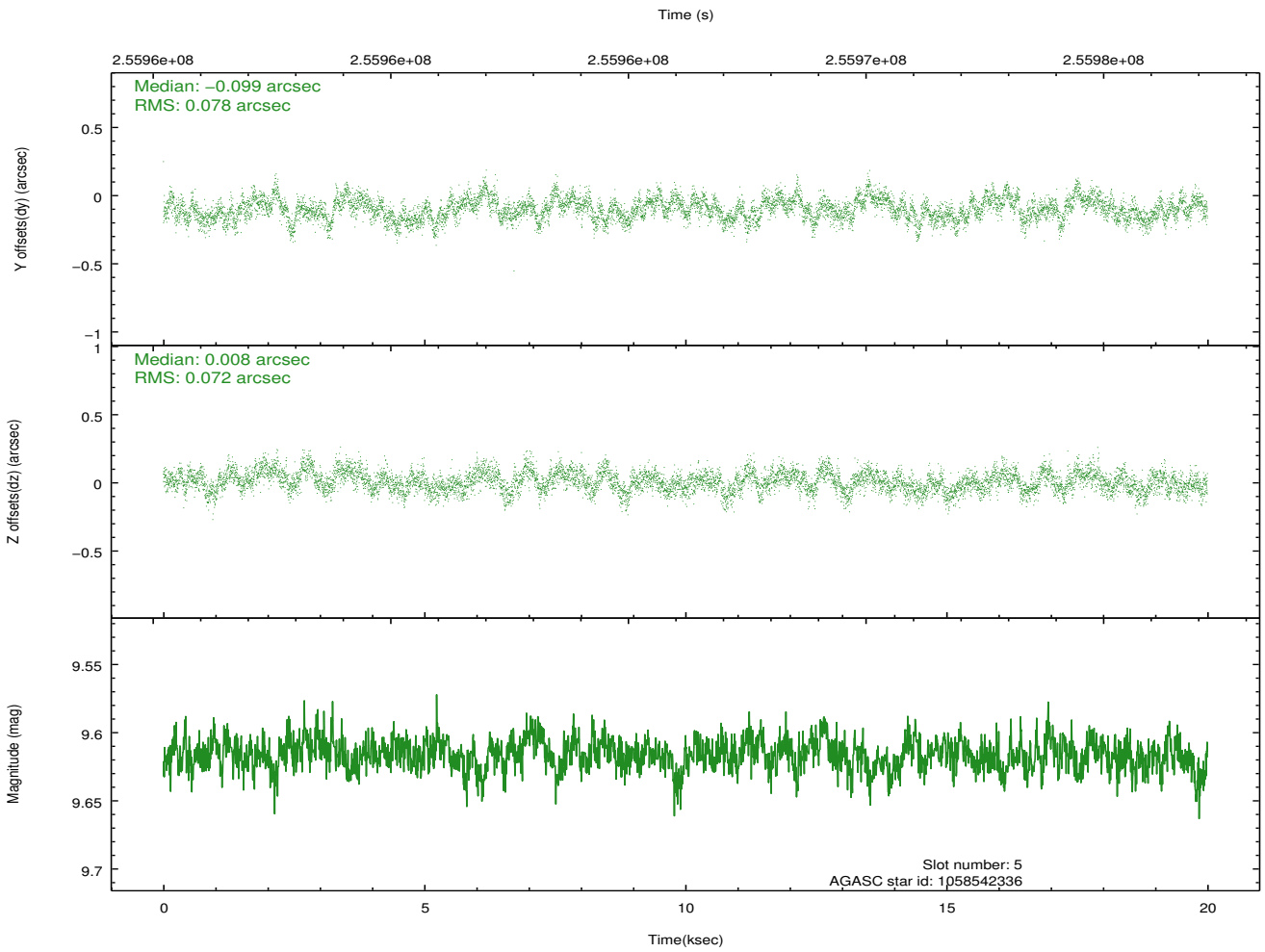
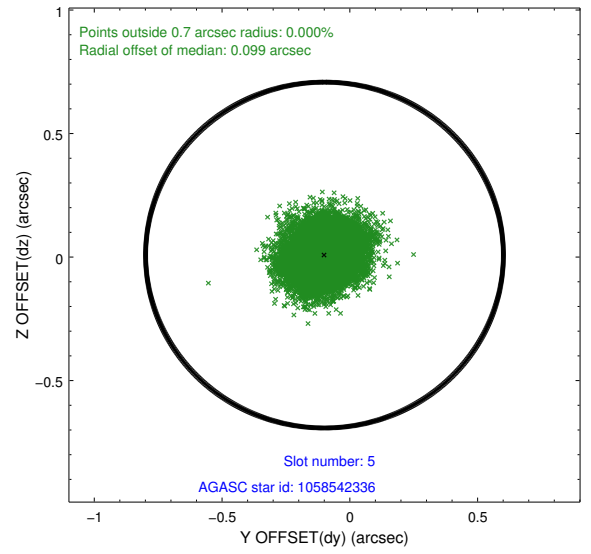
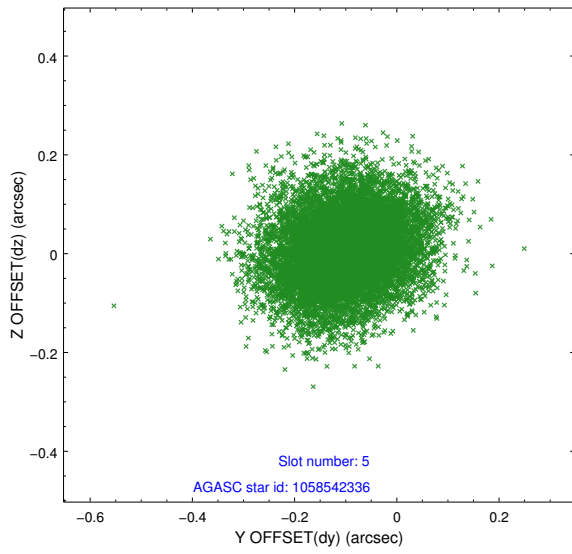
2.4.1 Slot 3



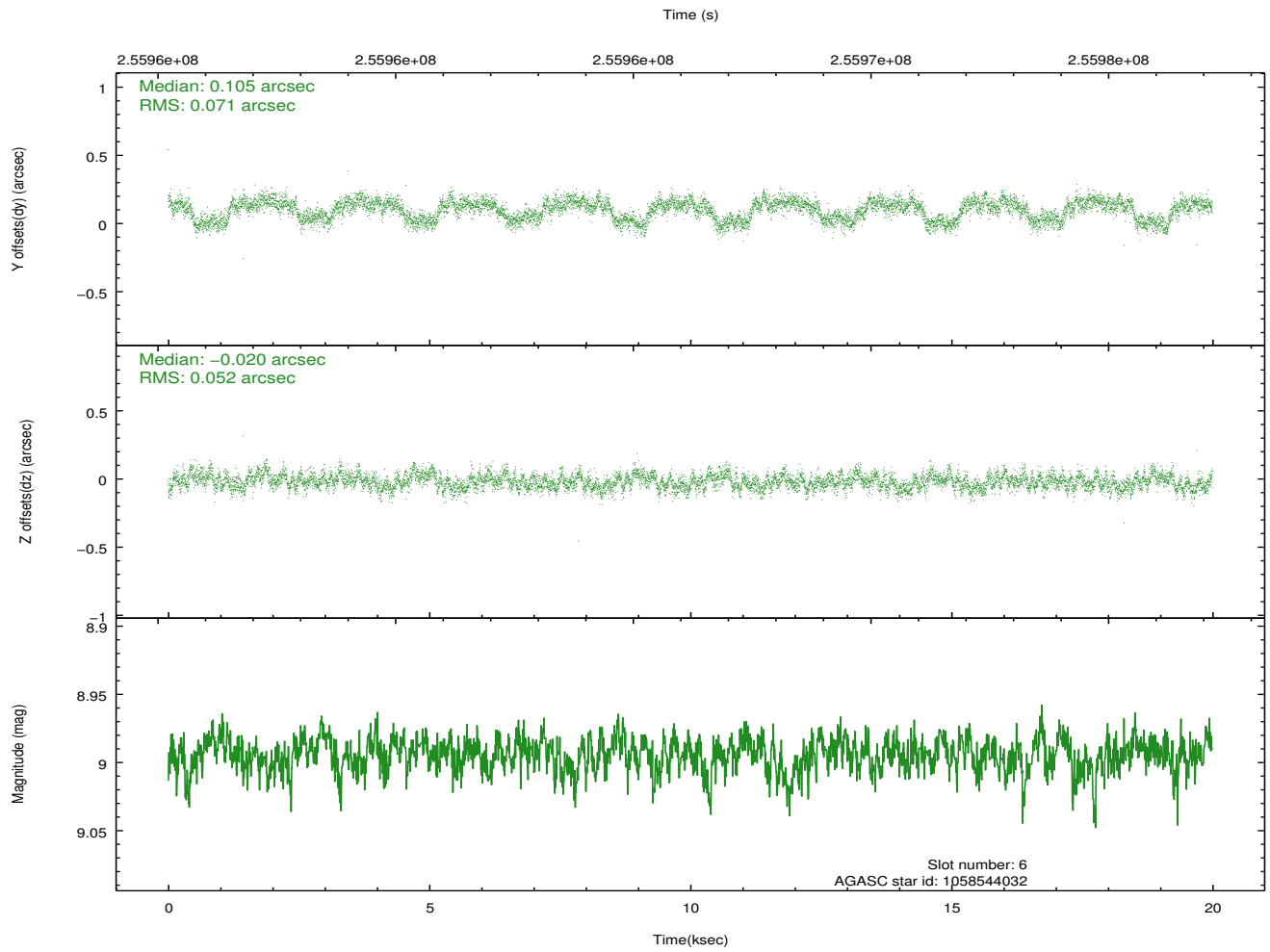
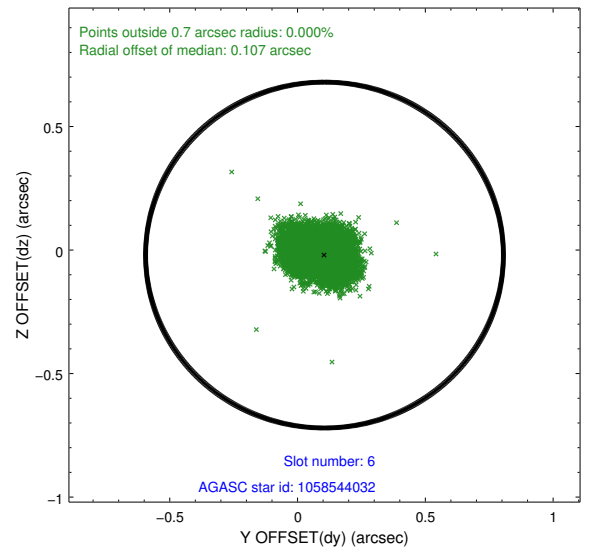
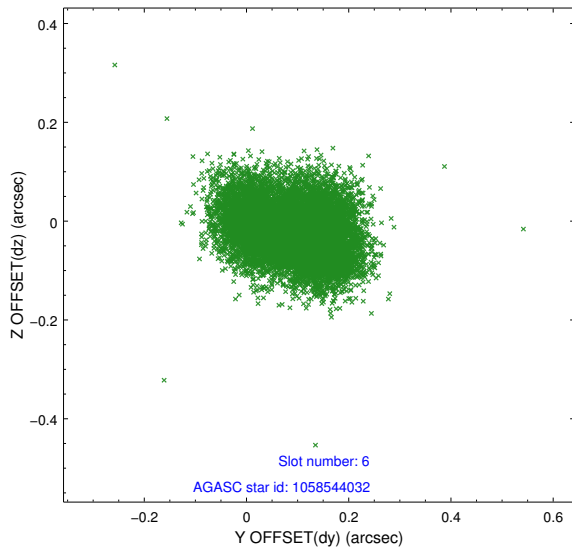
2.4.2 Slot 4



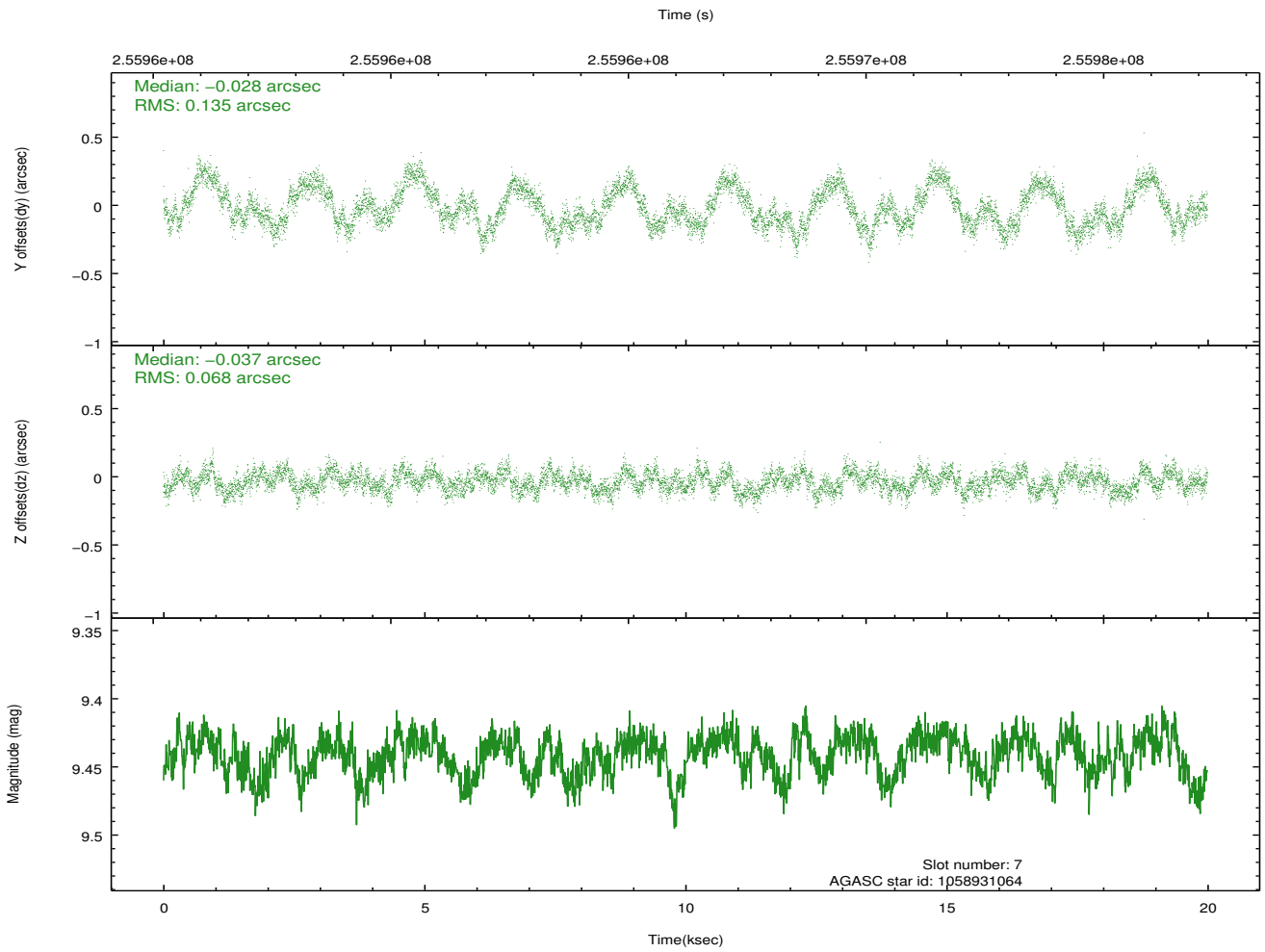
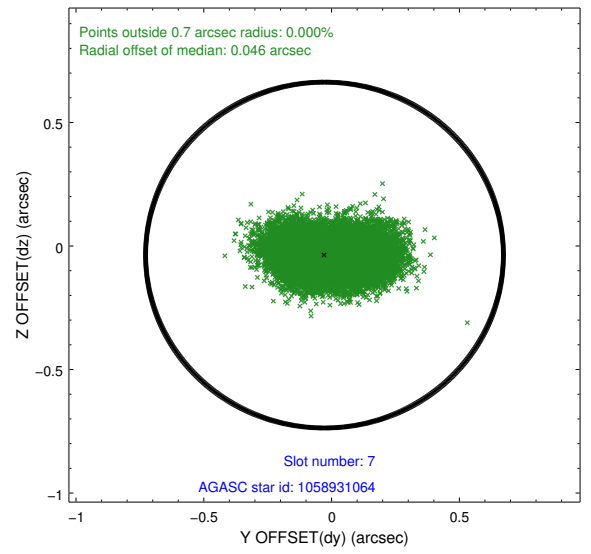
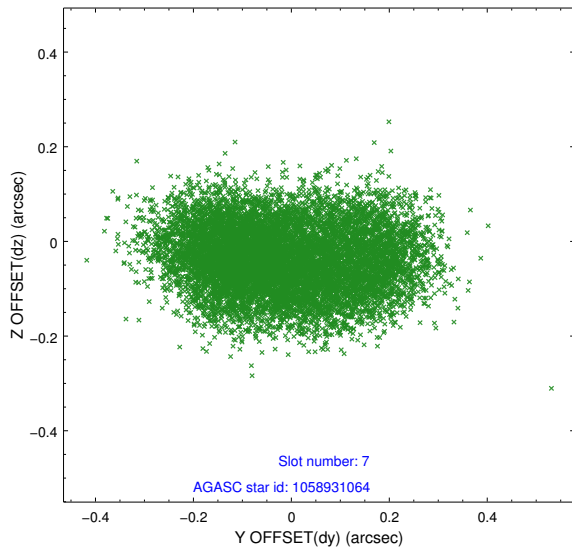
2.4.3 Slot 5



2.4.4 Slot 6

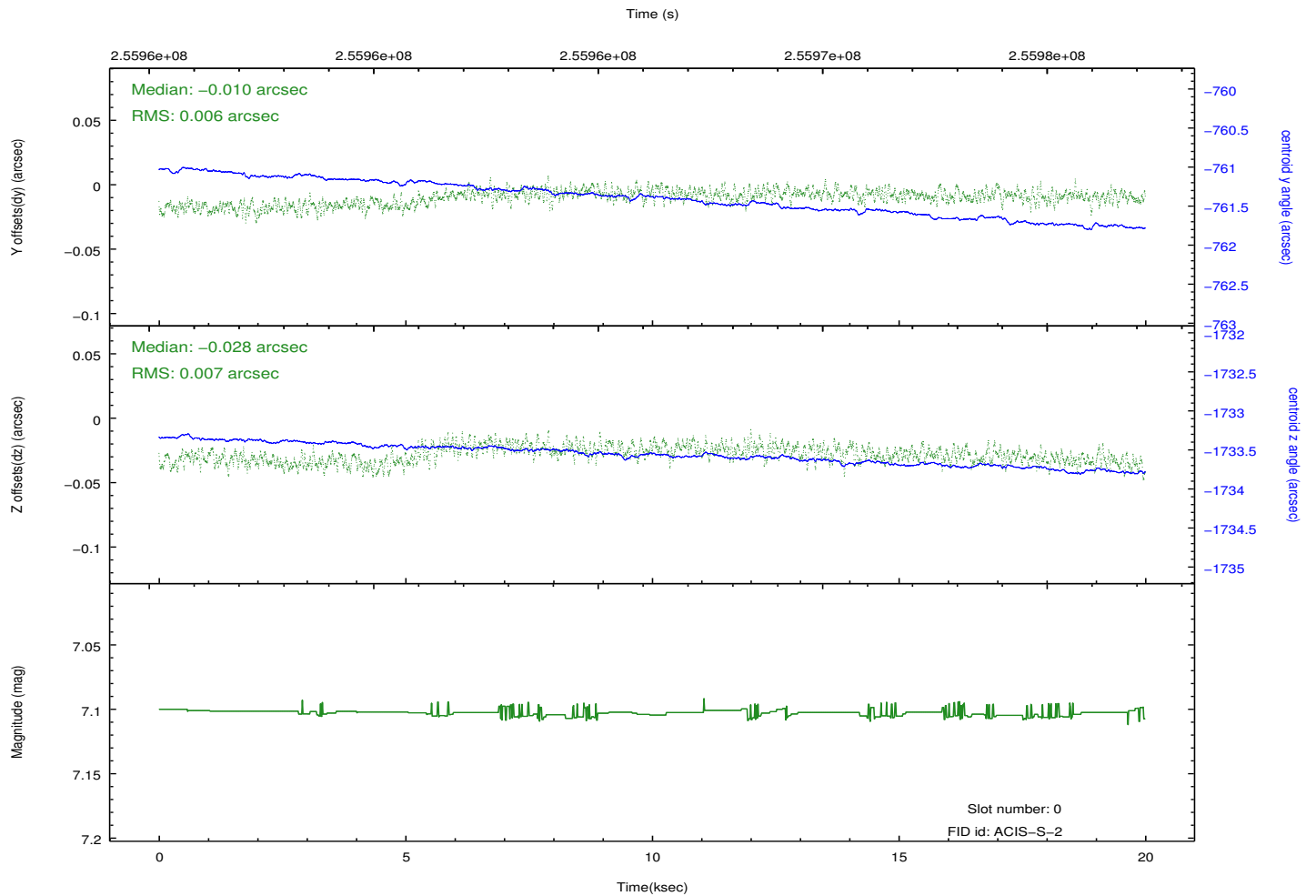
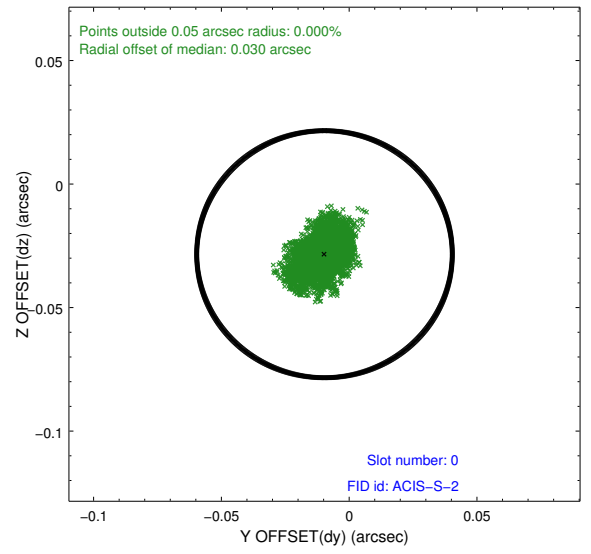
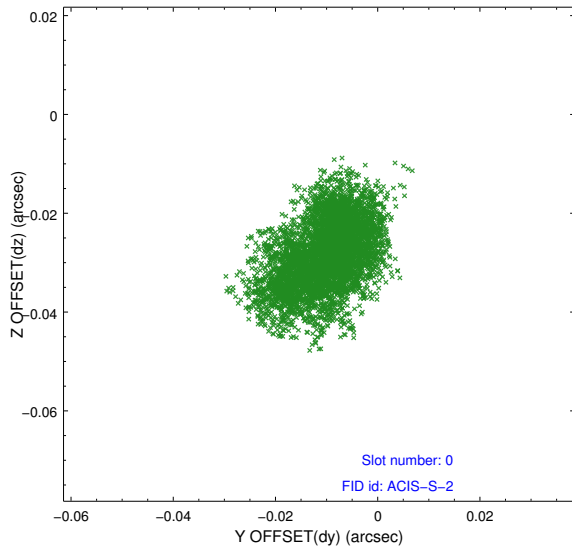


2.4.5 Slot 7

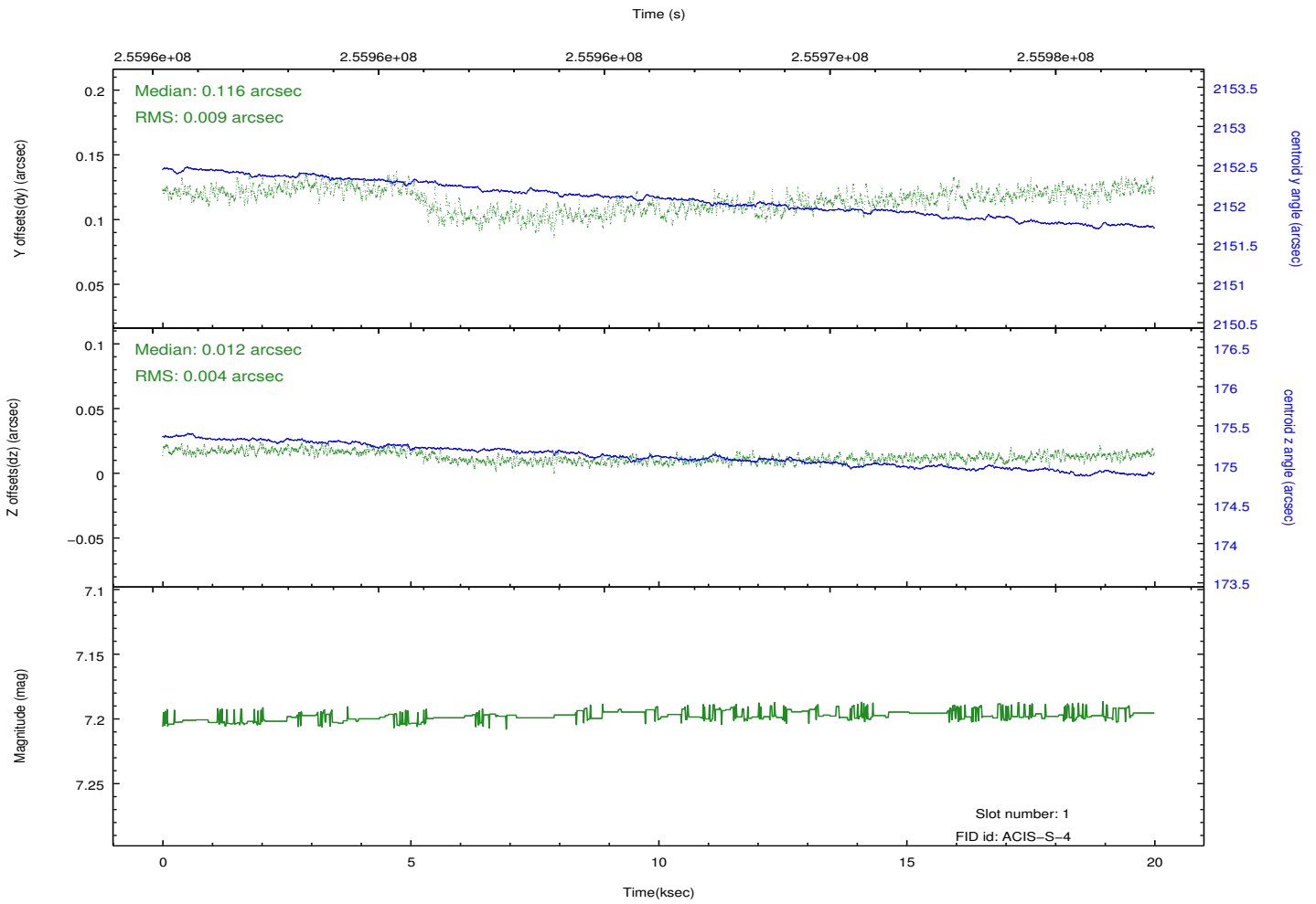
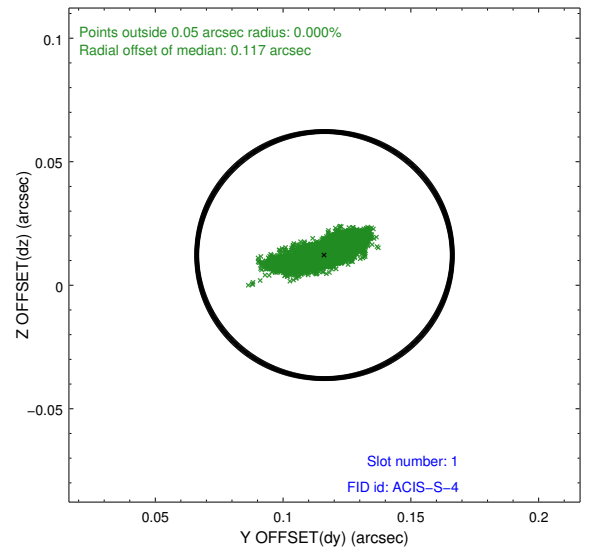
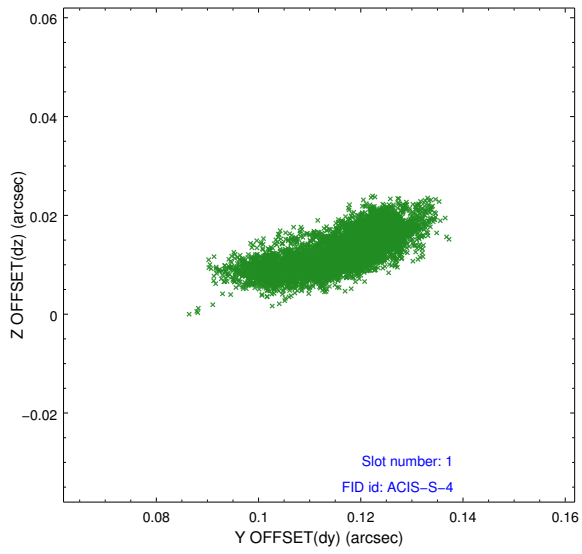


2.5 FID Slots

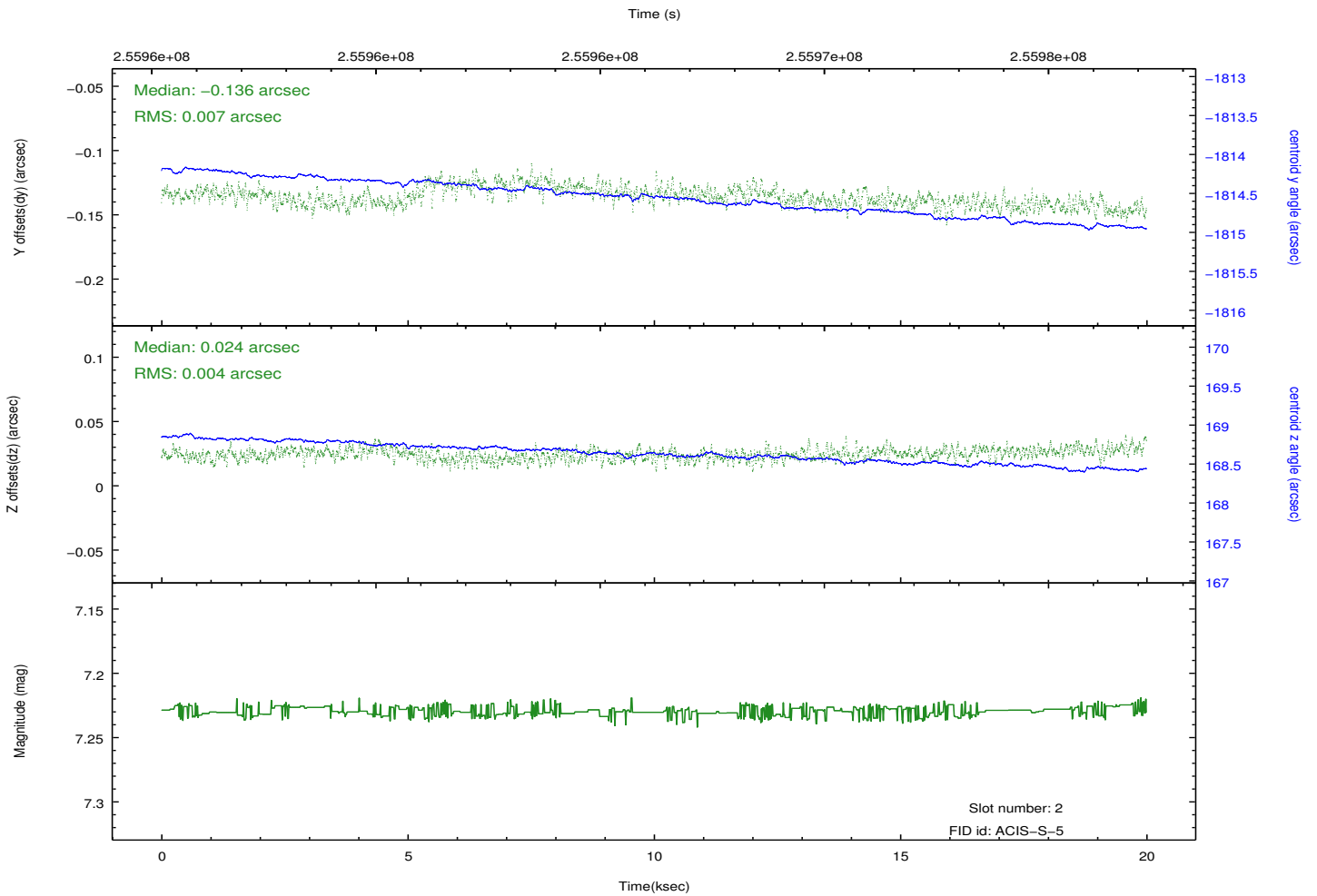
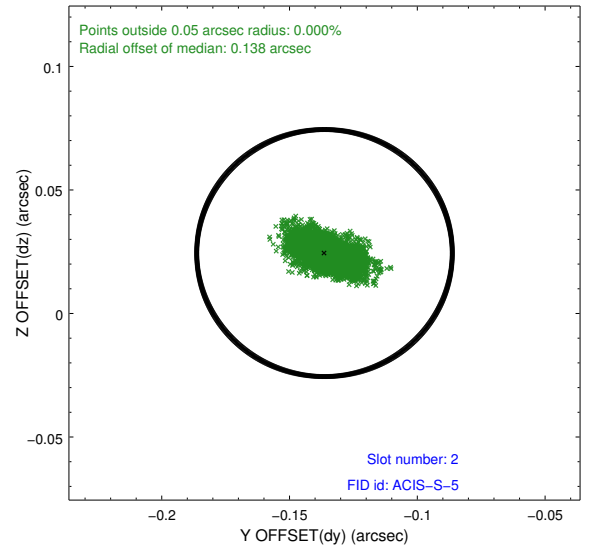
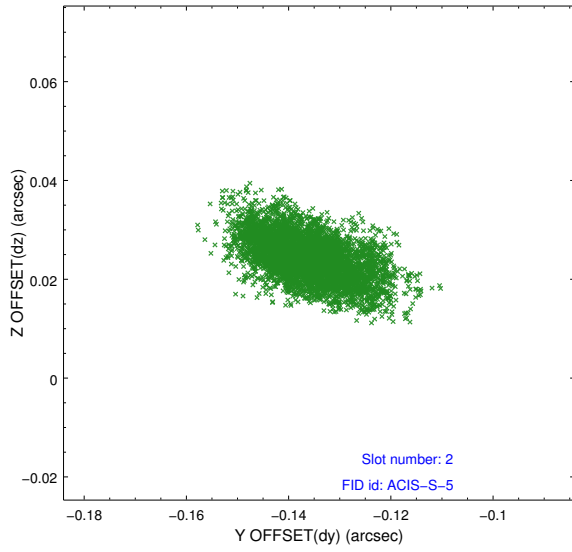
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.03.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	18.906

A.2 Comments

Window preference met.