

V&V Reference Report

L2 ASCDS Version : 10.5.2

Observation 18337 - L2 Version 1
Chandra X-Ray Center

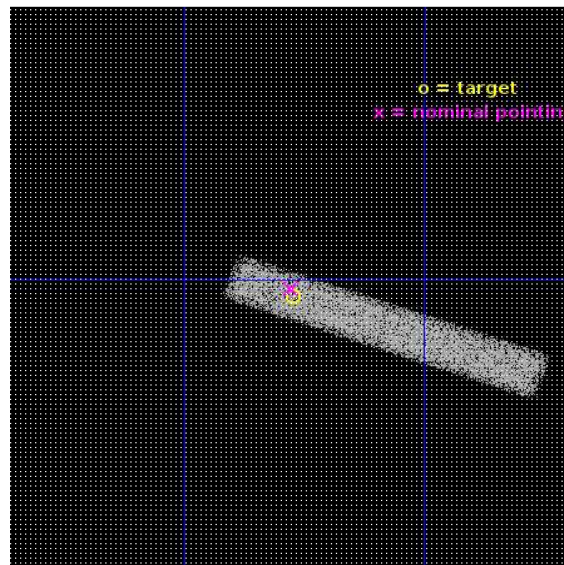
L2 Processing Date : Dec 6 2016

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1 Front

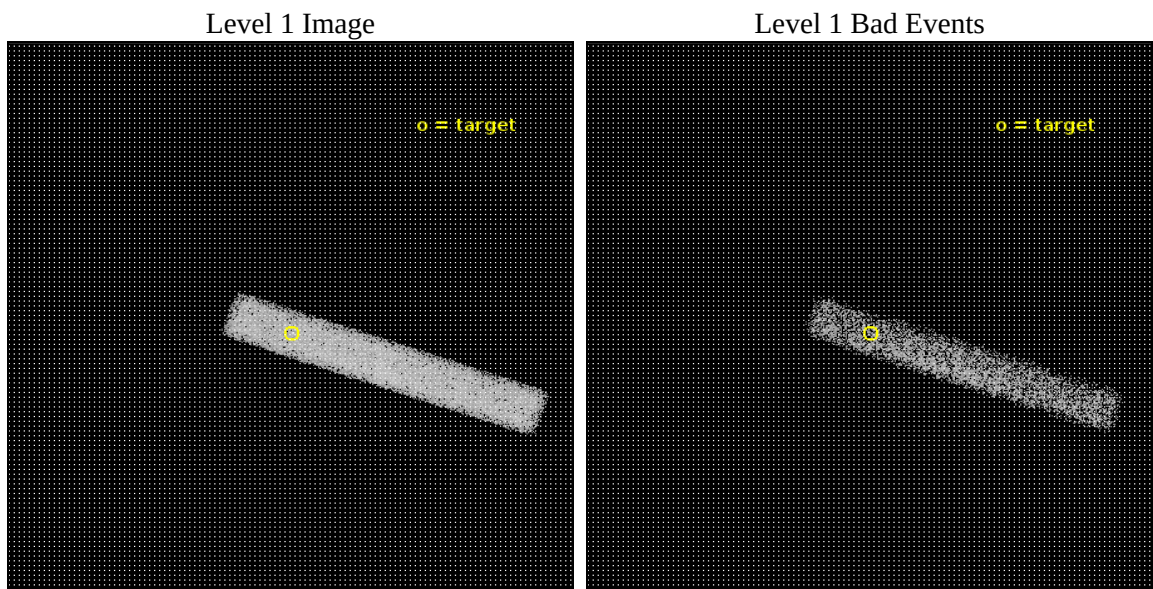
seq_num	401806	Sequence number
obs_id	18337	Observation id
title	Crust cooling of accretion-heated neutron stars	Proposal title
observer	Rudy Wijnands	Principal investigator
object	MAXI J0556-332	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	89.193	Observer's specified target RA [deg]
dec_targ	-33.1745	Observer's specified target Dec [deg]
ra_nom	89.19412017026	Nominal RA [deg]
dec_nom	-33.170860087739	Nominal Dec [deg]
roll_nom	18.633444665619	Nominal Roll [deg]
revision	1	Processing version of data
ontime	30068.798207641	Sum of GTIs [s]
livetime	27270.812813024	Livetime [s]
ontime7	30068.798207641	Sum of GTIs [s]
l2events	17452	Number of level 2 events



2 OBI

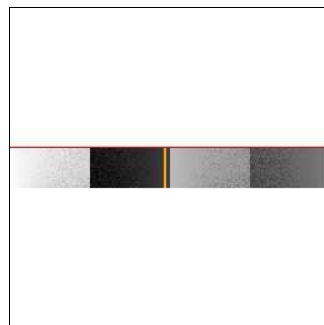
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	30000.000000	[s] Scheduled observation exposure time
ascdsver	10.5.2	Processing system revision	ontime	30068.798207641	Sum of GTIs [s]
caldsver	4.7.2	 	ontime7	30068.798207641	Sum of GTIs [s]
date	2016-12-06T19:43:55	Date and time of file creation	l1events	36861	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

	ccd 7
level 1 events	36861
rejected events	18582
rejected %	50%

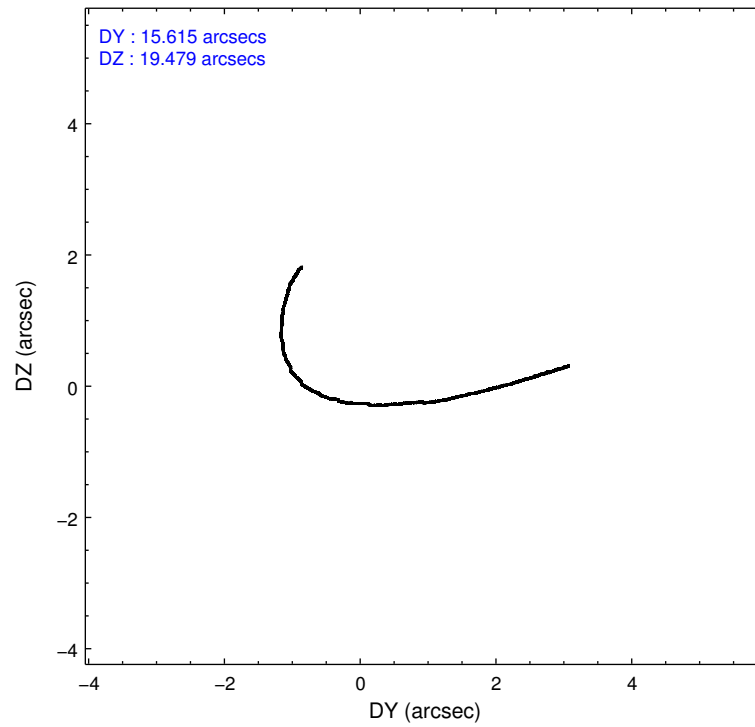
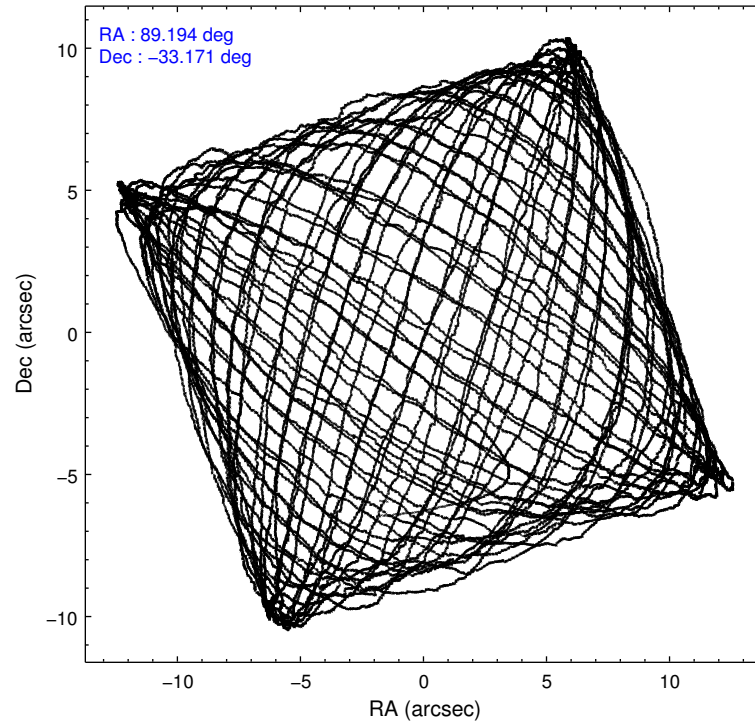
	ccd 7
grade 0 events	1918
	5%
grade 1 events	61
	0%
grade 2 events	3556
	9%
grade 3 events	2448
	6%
grade 4 events	2297
	6%
grade 5 events	3783
	10%
grade 6 events	8060
	21%
grade 7 events	14738
	39%

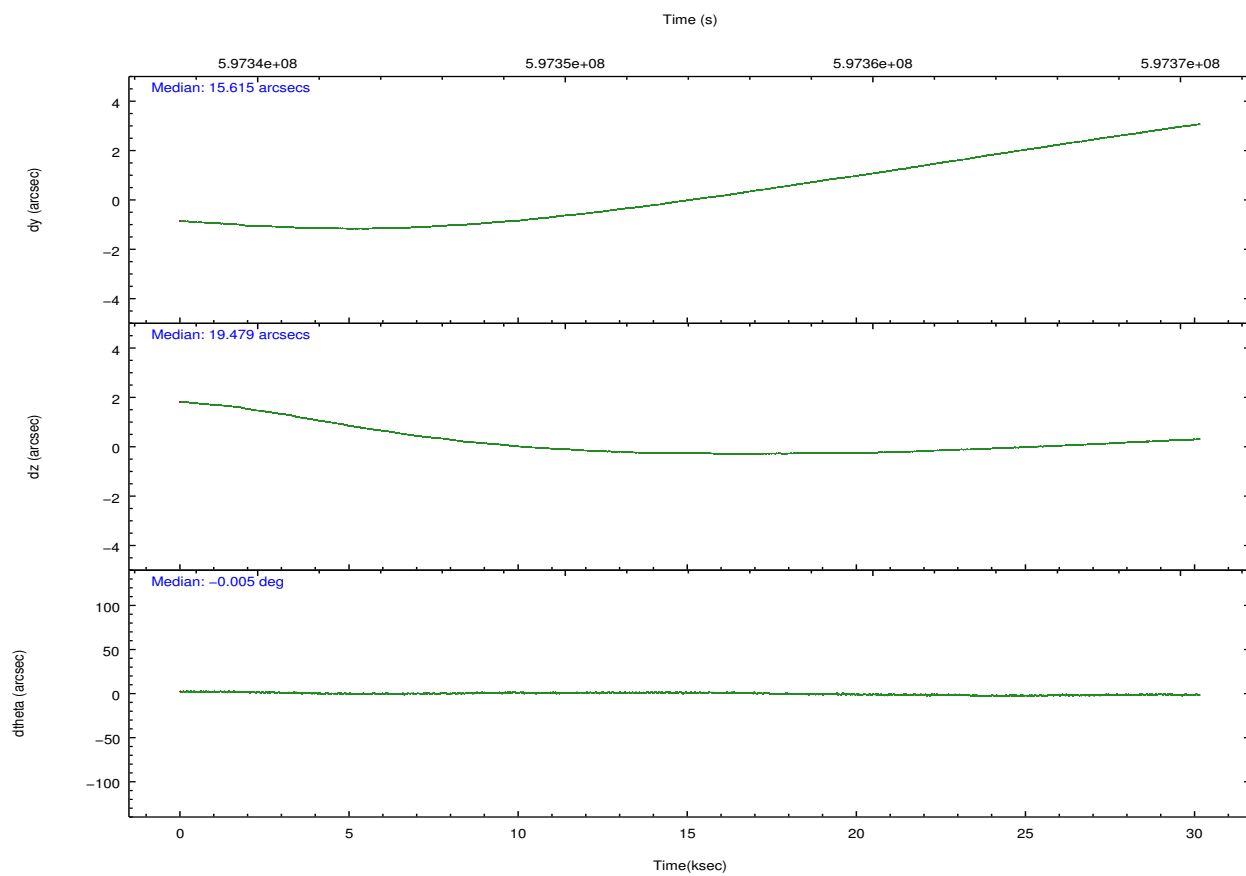
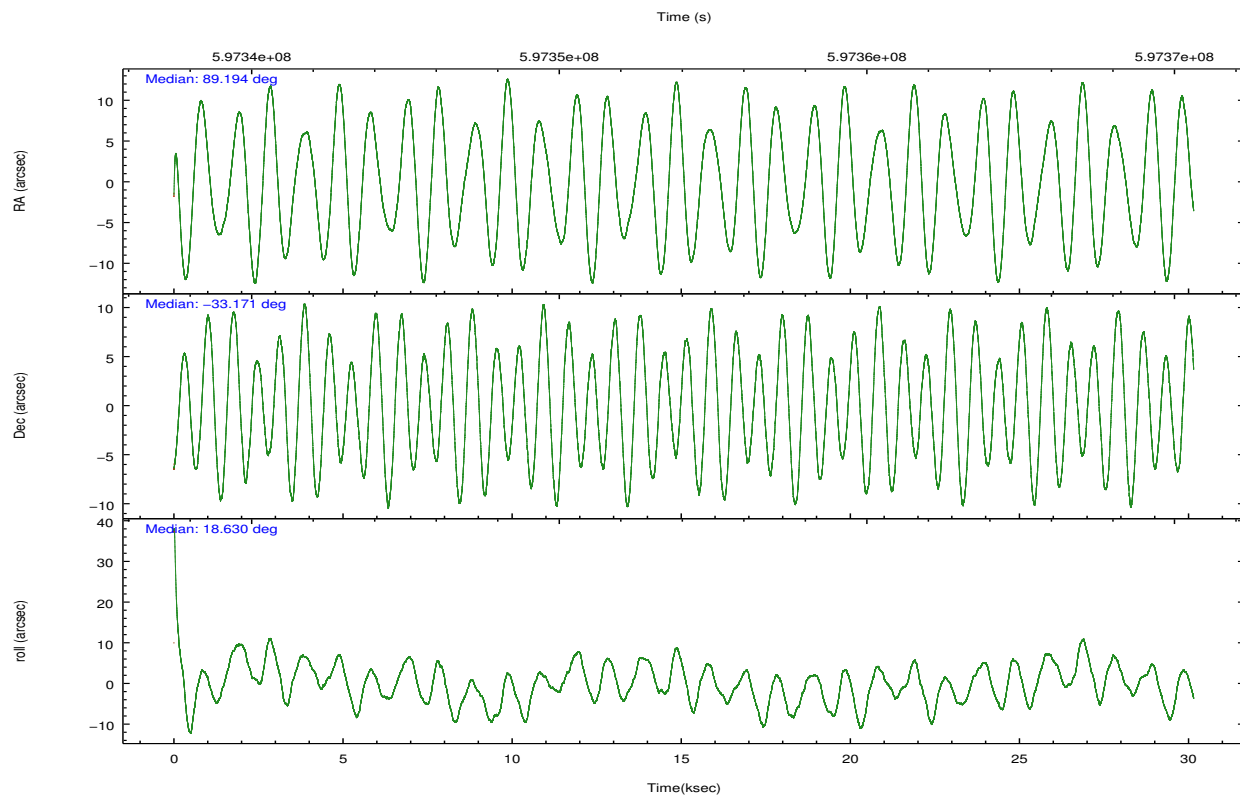
2.2 Compared Parameters

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	89.172772	89.19412017026029
[deg] Pointing Dec	-33.191706	-33.17086008773912
[deg] Pointing Roll	18.465121	18.63344466561863
[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)	597339126.184000	597338054.53168
Observation start date	2016-12-05T15:30:58	2016-12-05T15:14:14
[s] Observation end time (MET)	597369126.184000	597369811.0835201
Observation end date	2016-12-05T23:50:58	2016-12-06T00:03:31
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



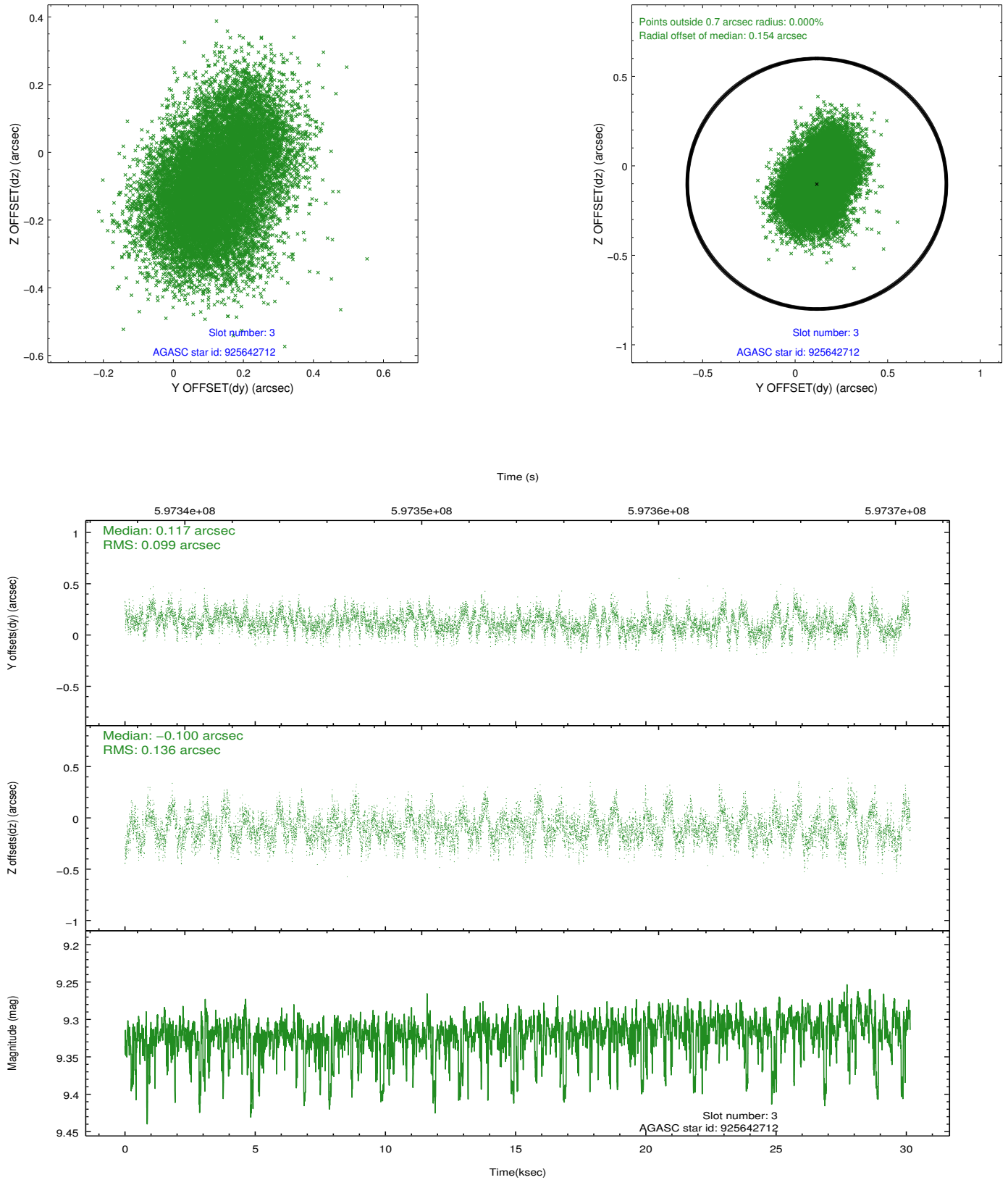


Slot Statistics

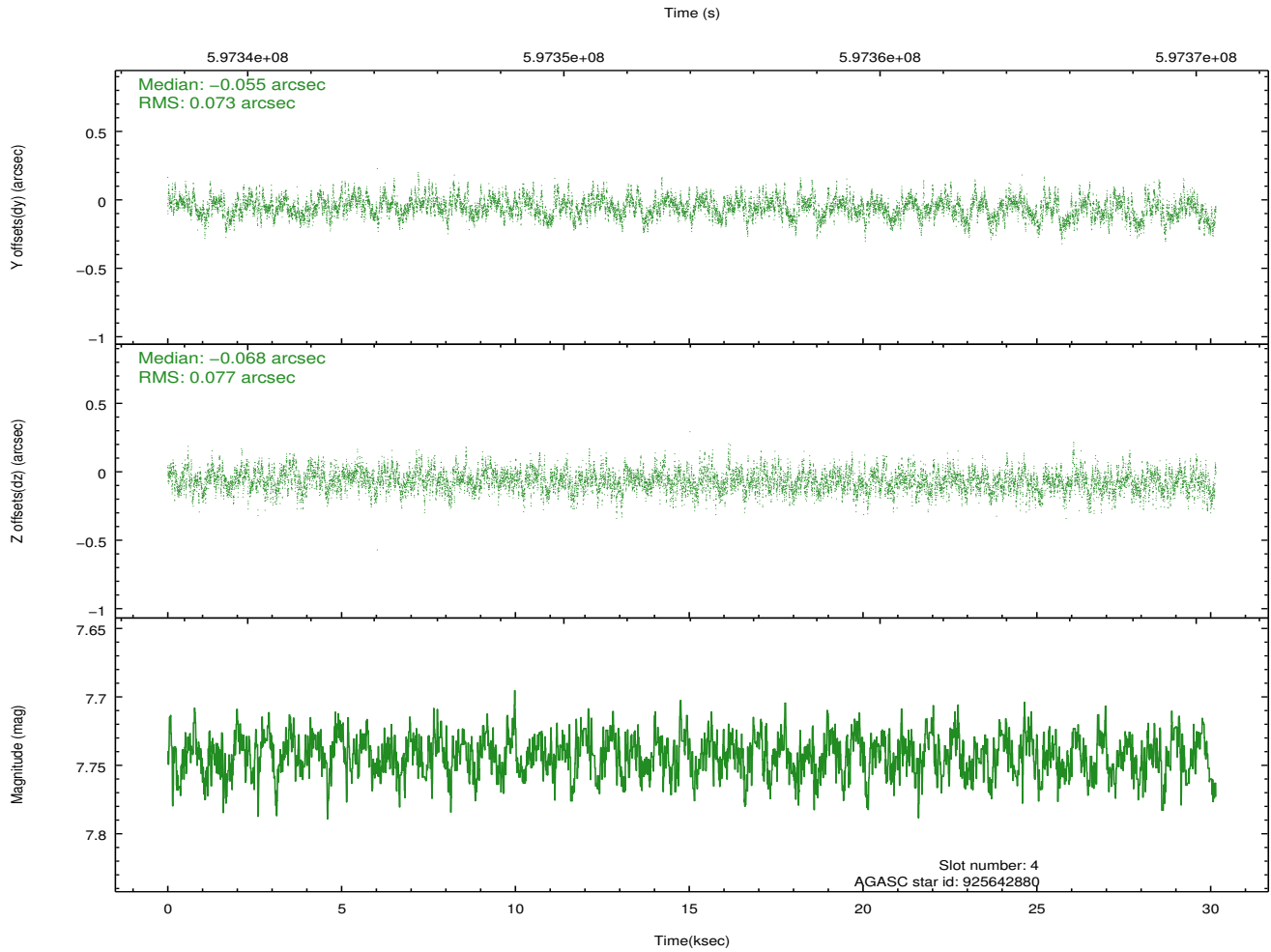
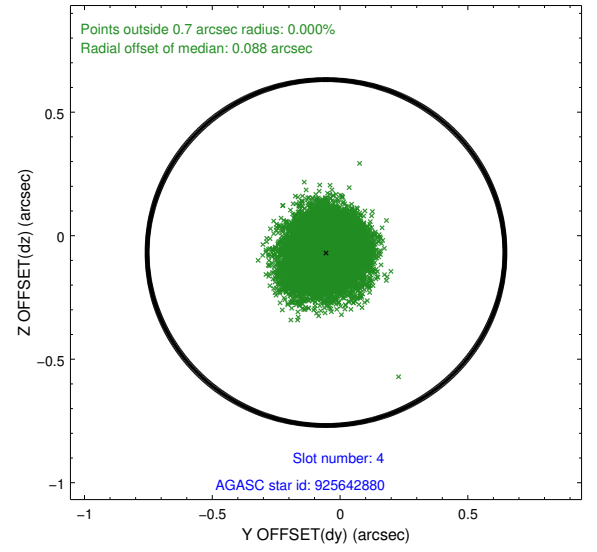
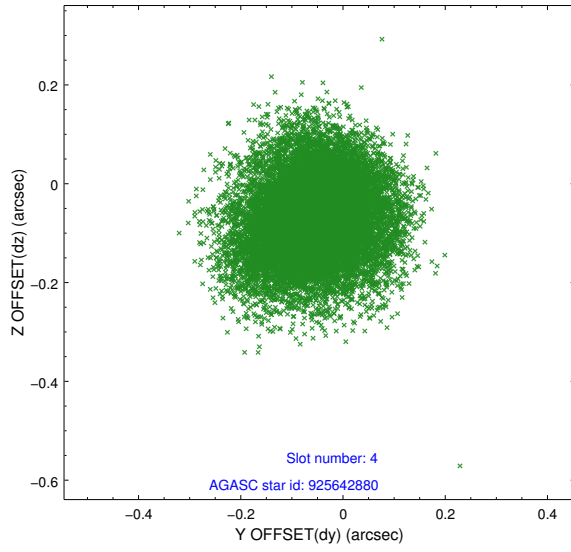
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	6.97	7354	-0.187	-0.078	0.021	0.034	0.000000	0.000000	-769.12	-1741.29
1	FID		ACIS-S-4	7.09	7354	0.417	0.111	0.017	0.056	0.000000	0.000000	2144.71	167.33
2	FID		ACIS-S-5	7.08	7355	-0.260	-0.027	0.023	0.039	0.000000	0.000000	-1821.97	160.90
3	GUIDE	used	925642712	9.32	14681	0.117	-0.100	0.178	0.292	89.246145	-33.485552	-125.73	-1073.44
4	GUIDE	used	925642880	7.74	14705	-0.055	-0.068	0.114	0.183	89.133148	-33.434507	-389.13	-791.21
5	GUIDE	used	925645016	9.06	14694	-0.077	0.082	0.156	0.254	89.945223	-33.615732	1711.14	-2189.23
6	GUIDE	used	925645552	7.56	14707	-0.048	-0.026	0.091	0.152	88.738097	-33.665766	-1776.13	-1208.95
7	GUIDE	used	926158304	8.60	14697	0.058	0.108	0.112	0.180	88.773773	-33.925420	-1966.76	-2129.65

2.4 Star Slots

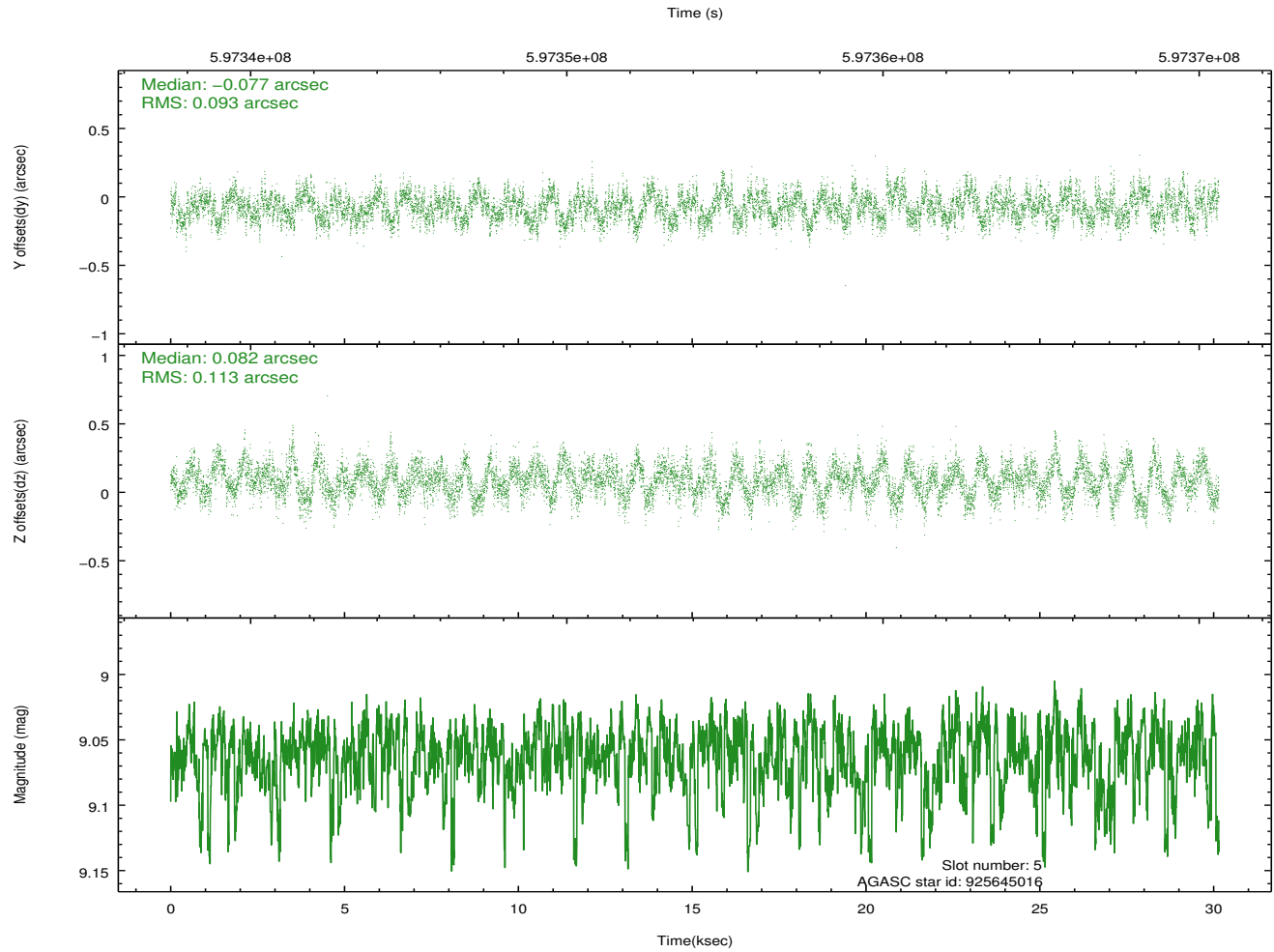
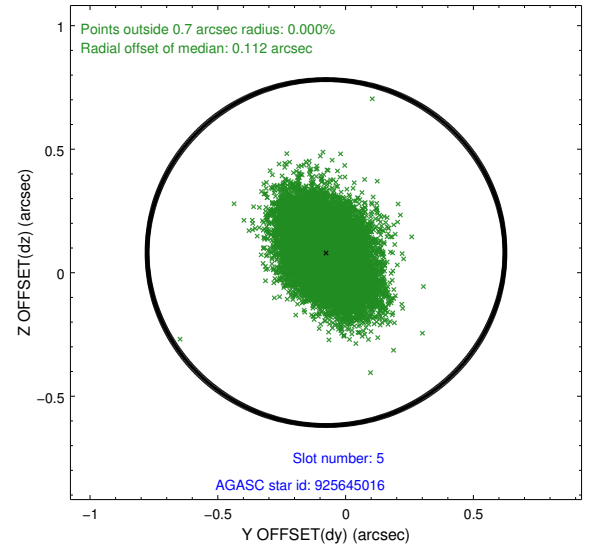
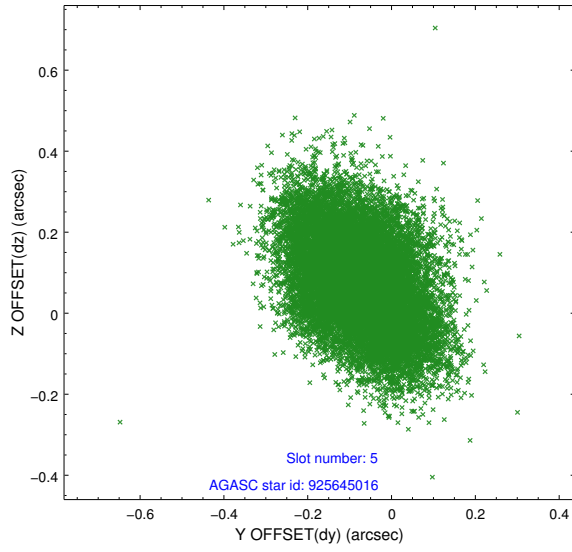
2.4.1 Slot 3



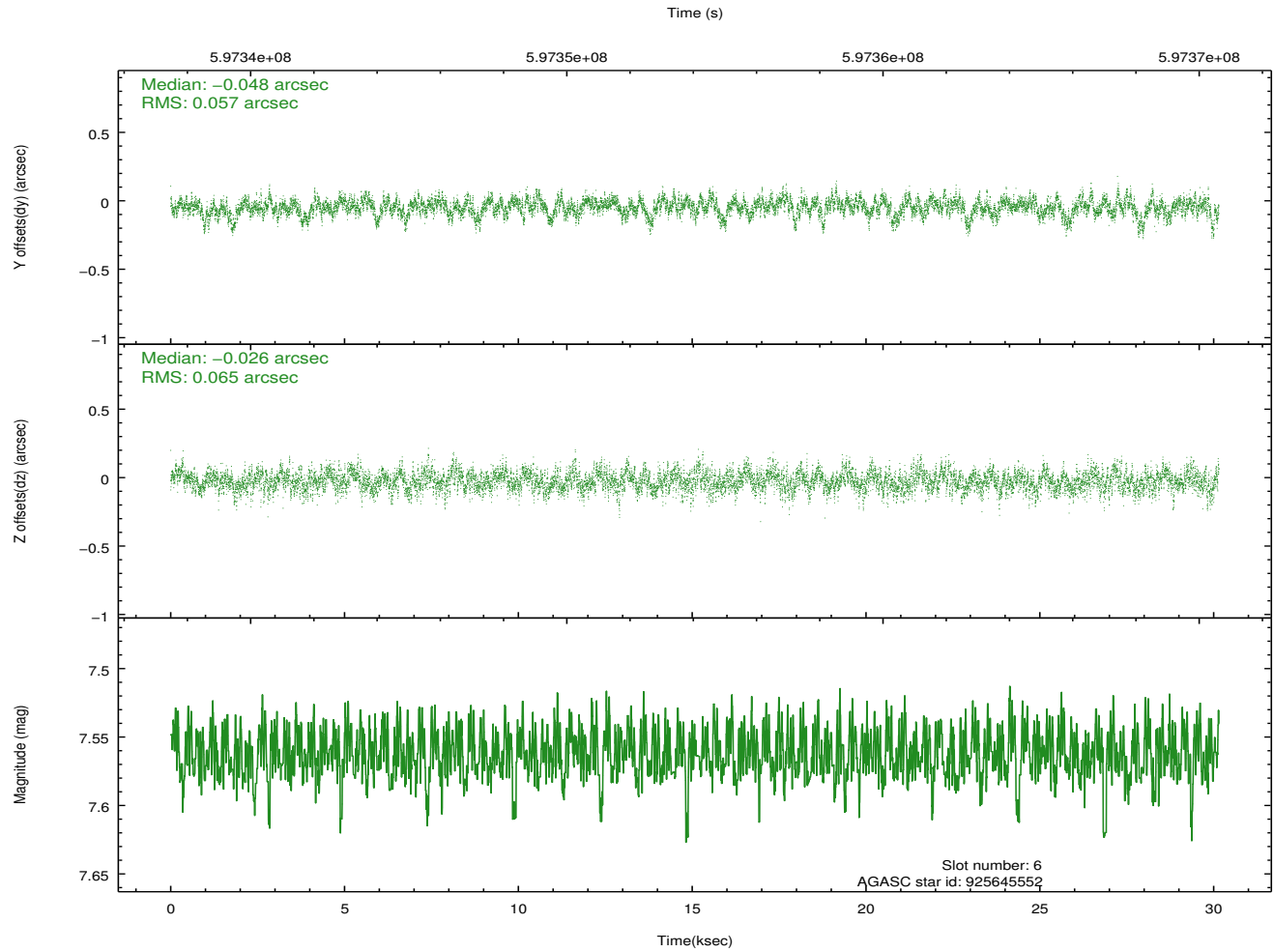
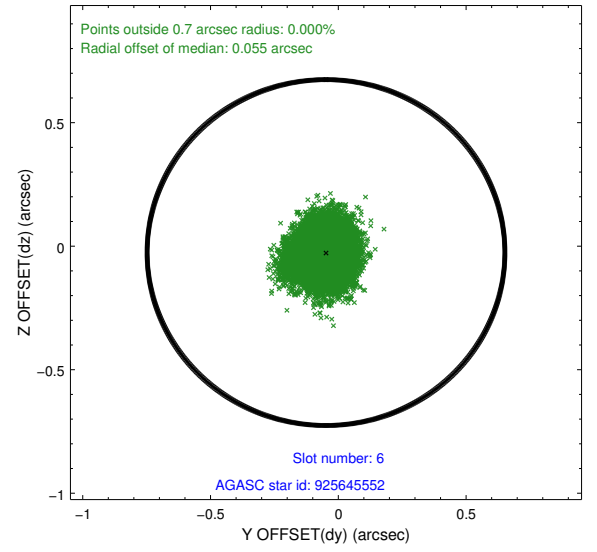
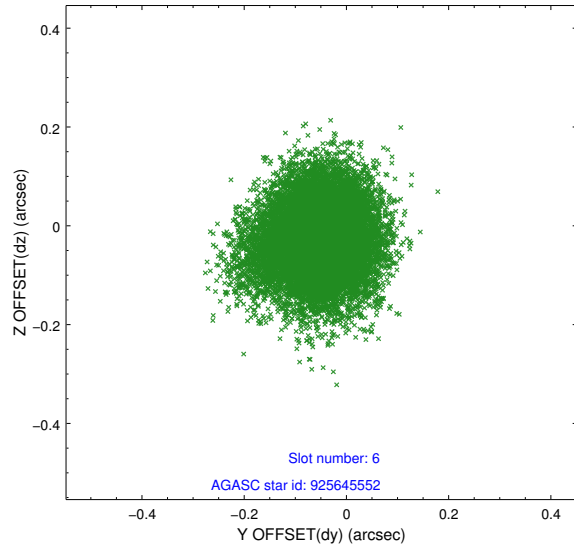
2.4.2 Slot 4



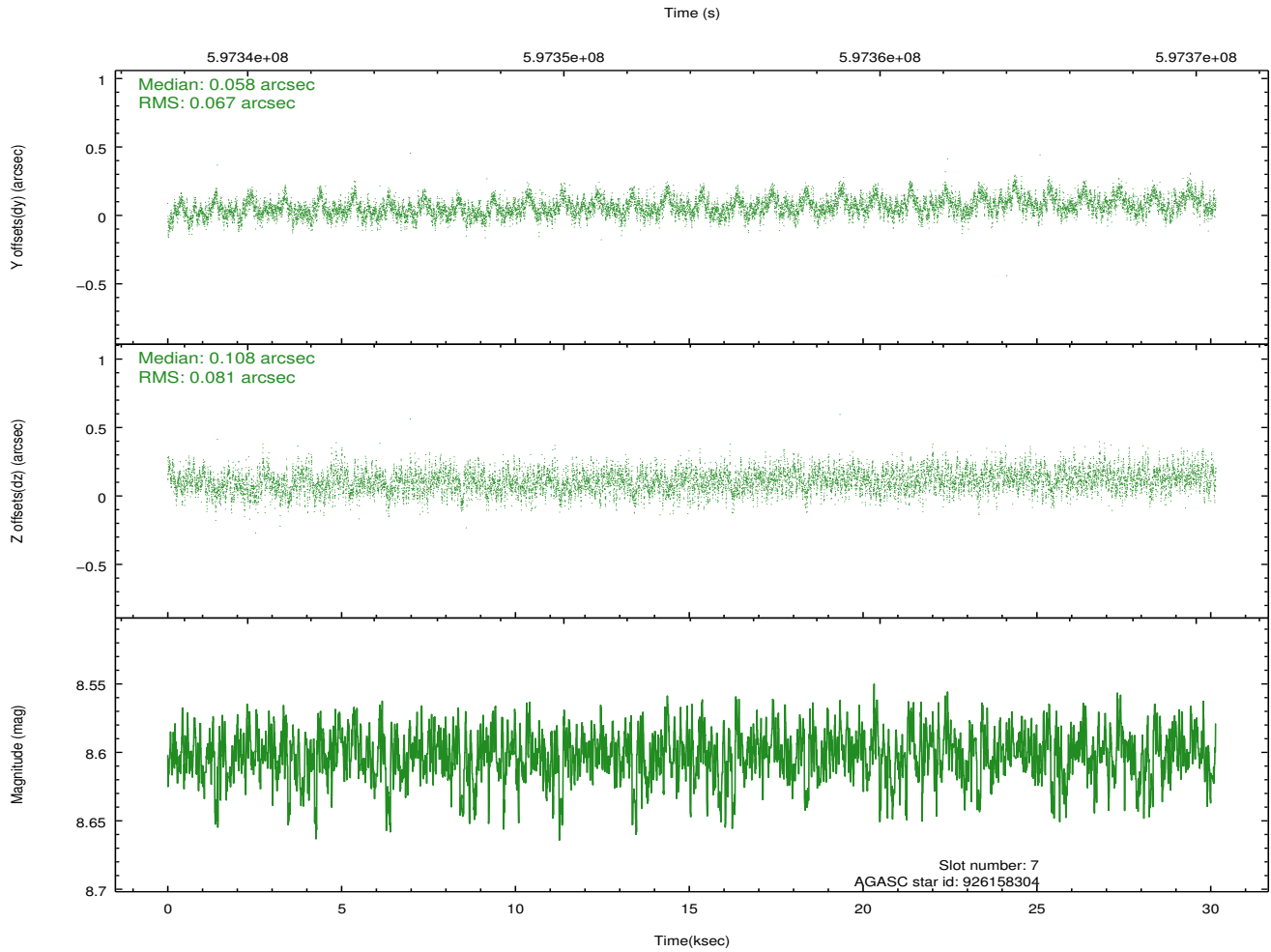
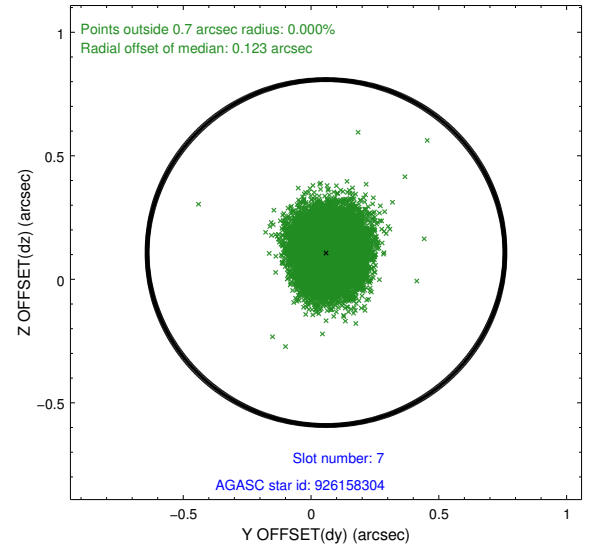
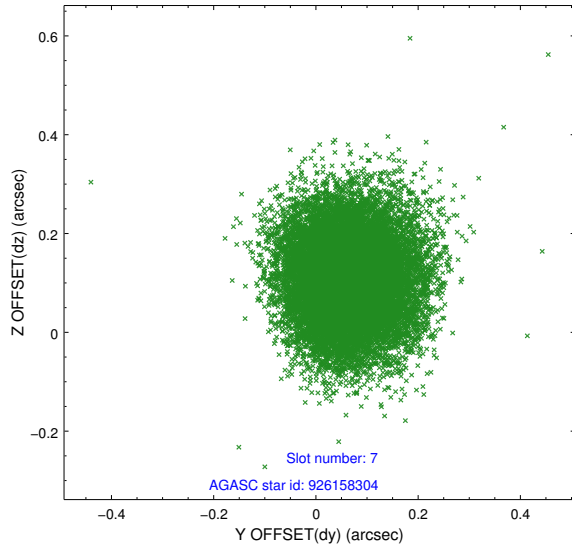
2.4.3 Slot 5



2.4.4 Slot 6

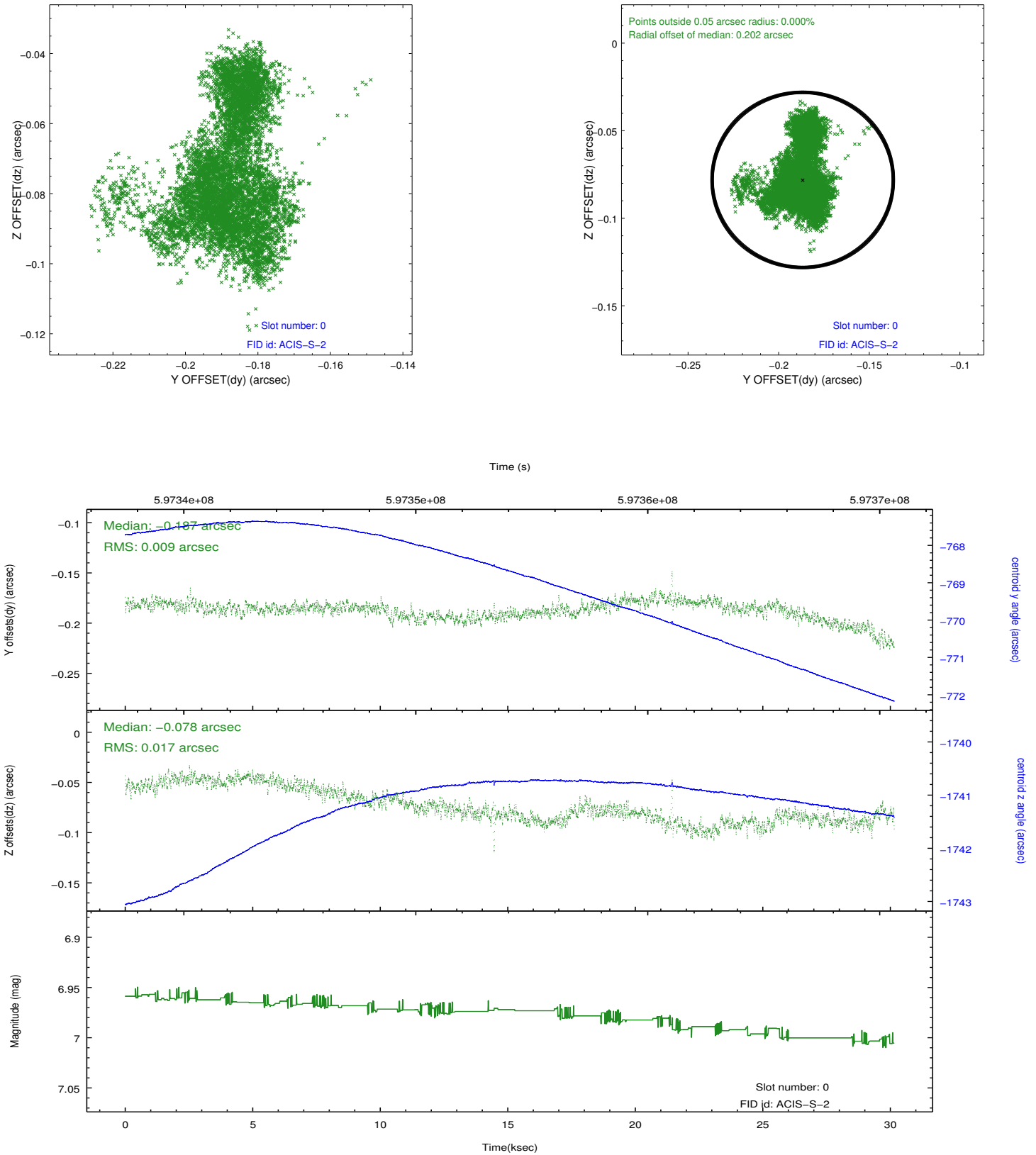


2.4.5 Slot 7

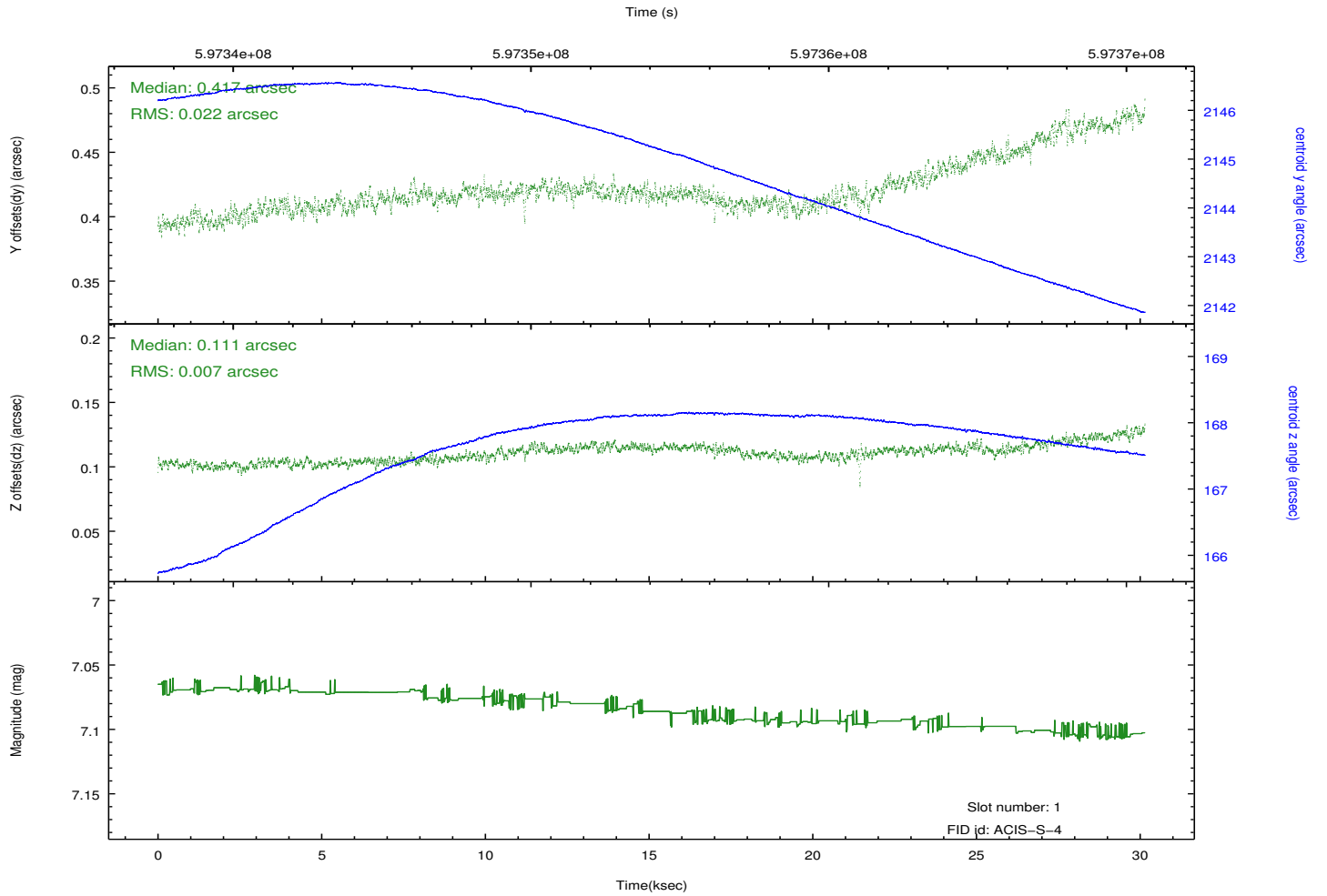
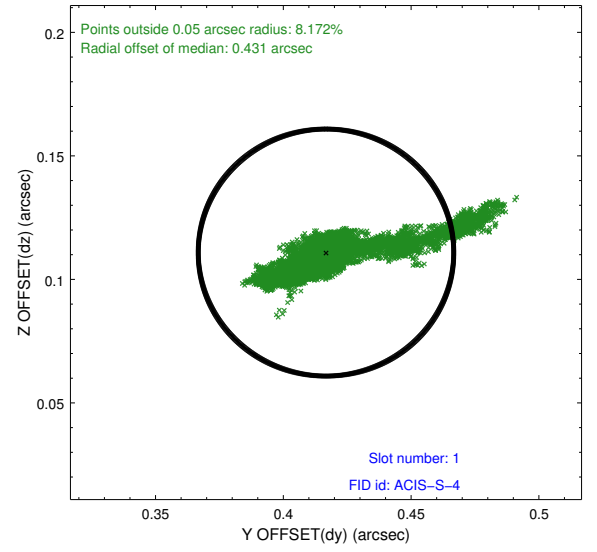
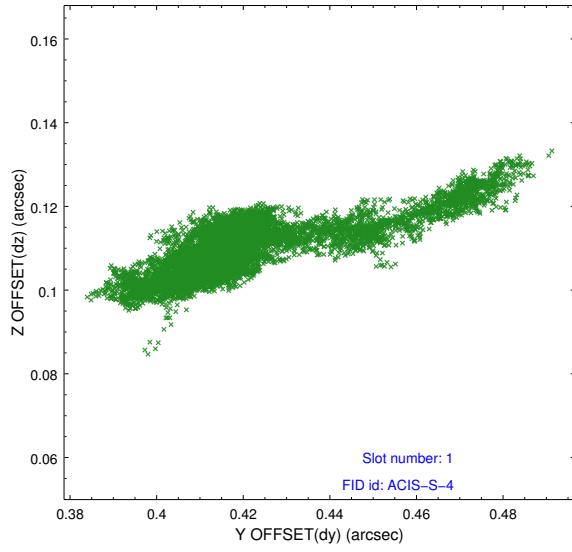


2.5 FID Slots

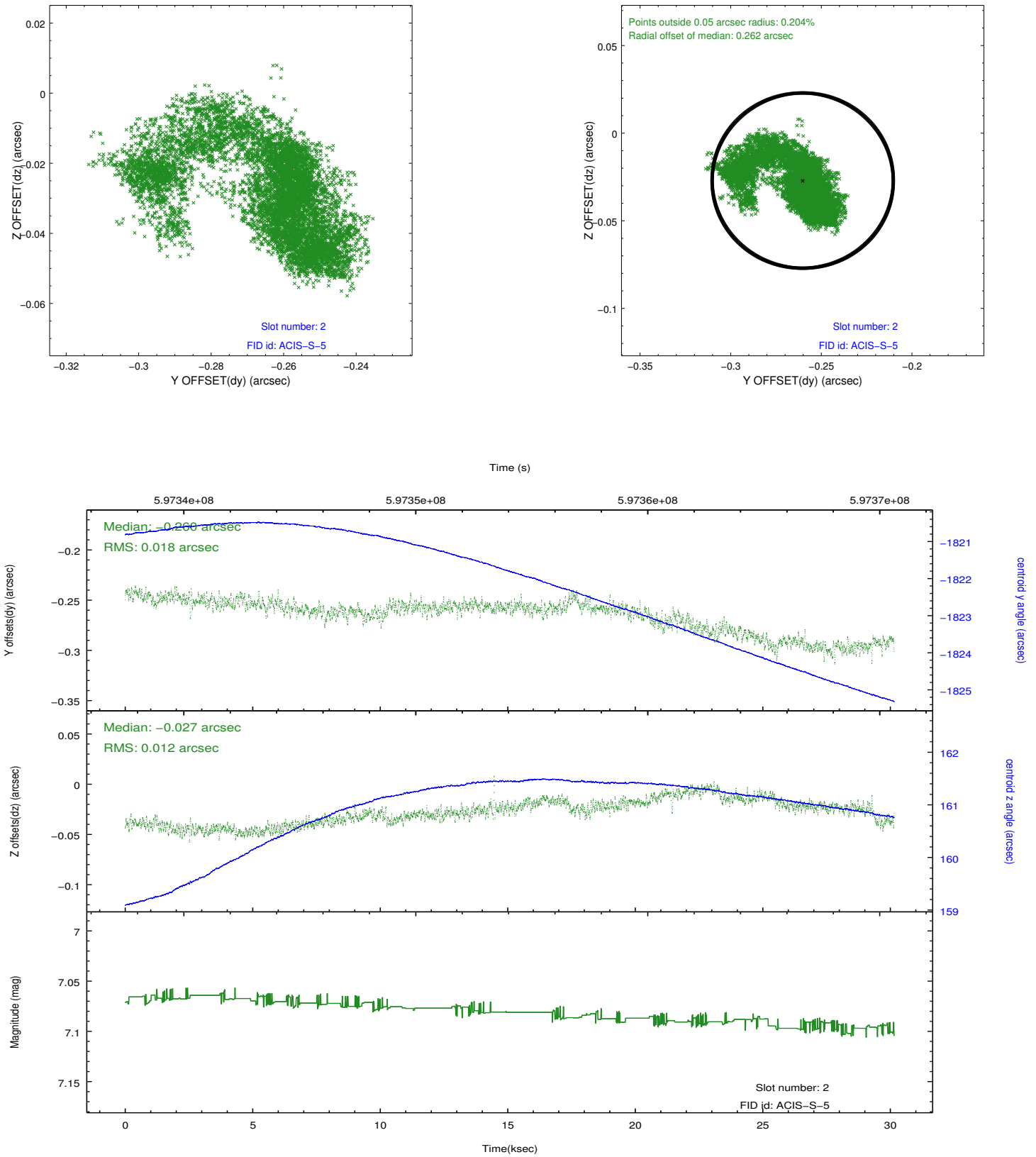
2.5.1 Slot 0



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)	2016.12.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.068798207641

A.2 Comments