

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4425 - L2 Version 4
Chandra X-Ray Center

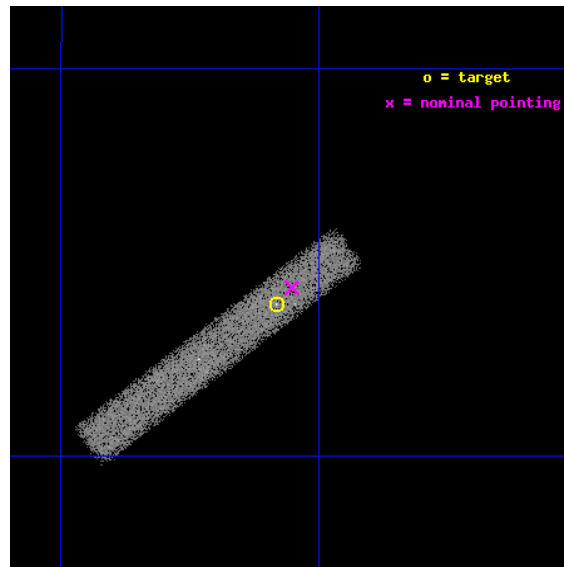
L2 Processing Date : Oct 23 2012

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1 Front

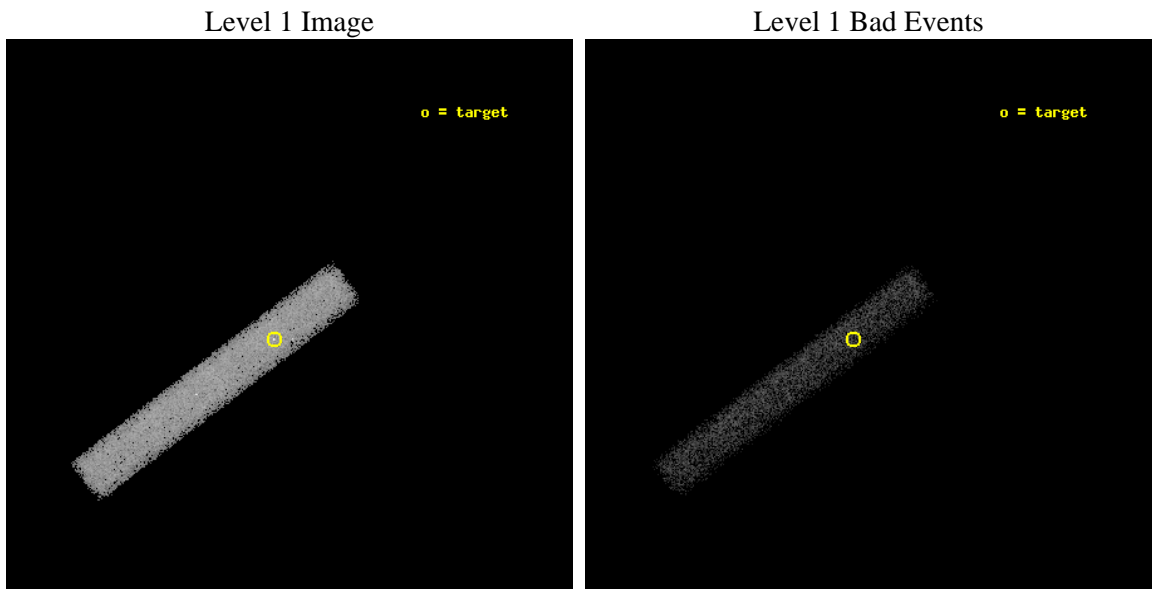
seq_num	500410	Sequence number
obs_id	4425	Observation id
title	GRB030226: TESTING THE DUST DESTRUCTION HYPOTHESIS	Proposal title
observer	Dr. Kristian Pedersen	Principal investigator
object	GRB030226	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	173.270417	Observer's specified target RA [deg]
dec_targ	25.898611	Observer's specified target Dec [deg]
ra_nom	173.26315522817	Nominal RA [deg]
dec_nom	25.905729043119	Nominal Dec [deg]
roll_nom	142.64807344683	Nominal Roll [deg]
revision	4	Processing version of data
ontime	40172.35957849	Sum of GTIs [s]
livetime	36434.209666688	Livetime [s]
ontime7	40172.35957849	Sum of GTIs [s]
l2events	20063	Number of level 2 events



2 OBI

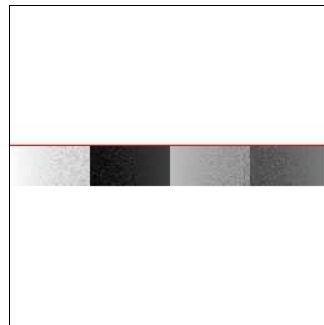
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	40000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	40172.35957849	Sum of GTIs [s]
caldbver	4.5.2	 	ontime7	40172.35957849	Sum of GTIs [s]
date	2012-10-23T12:28:47	Date and time of file creation	l1events	46021	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

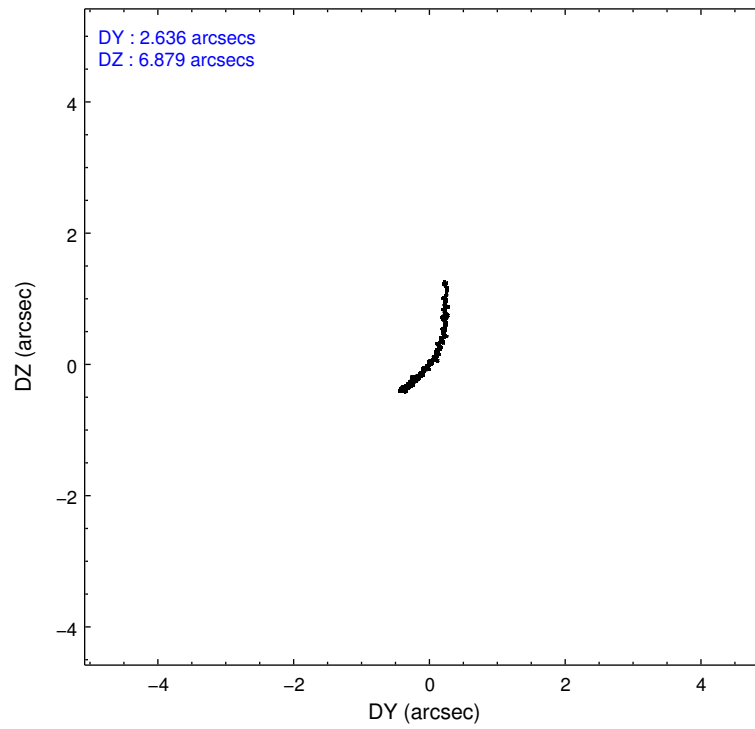
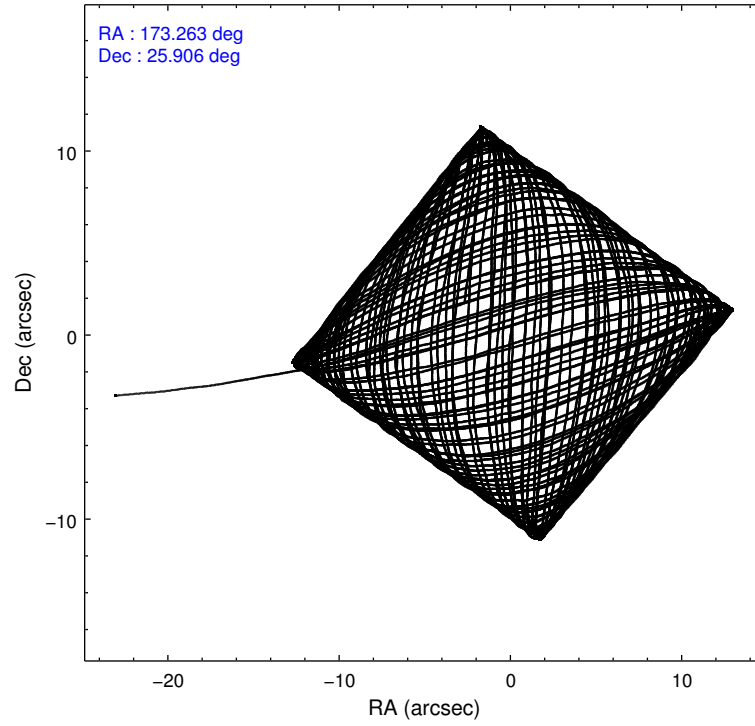
	ccd 7
level 1 events	46021
rejected events	25103
rejected %	54%

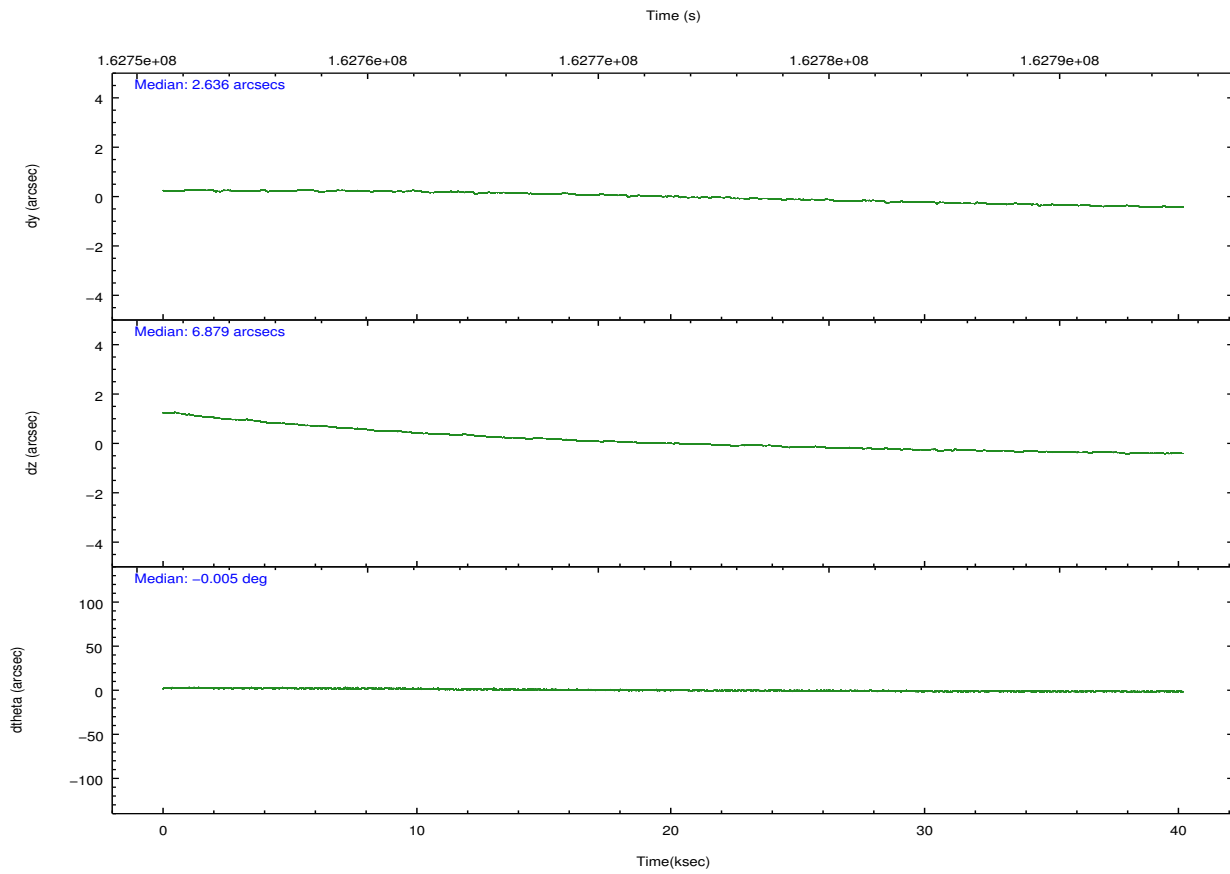
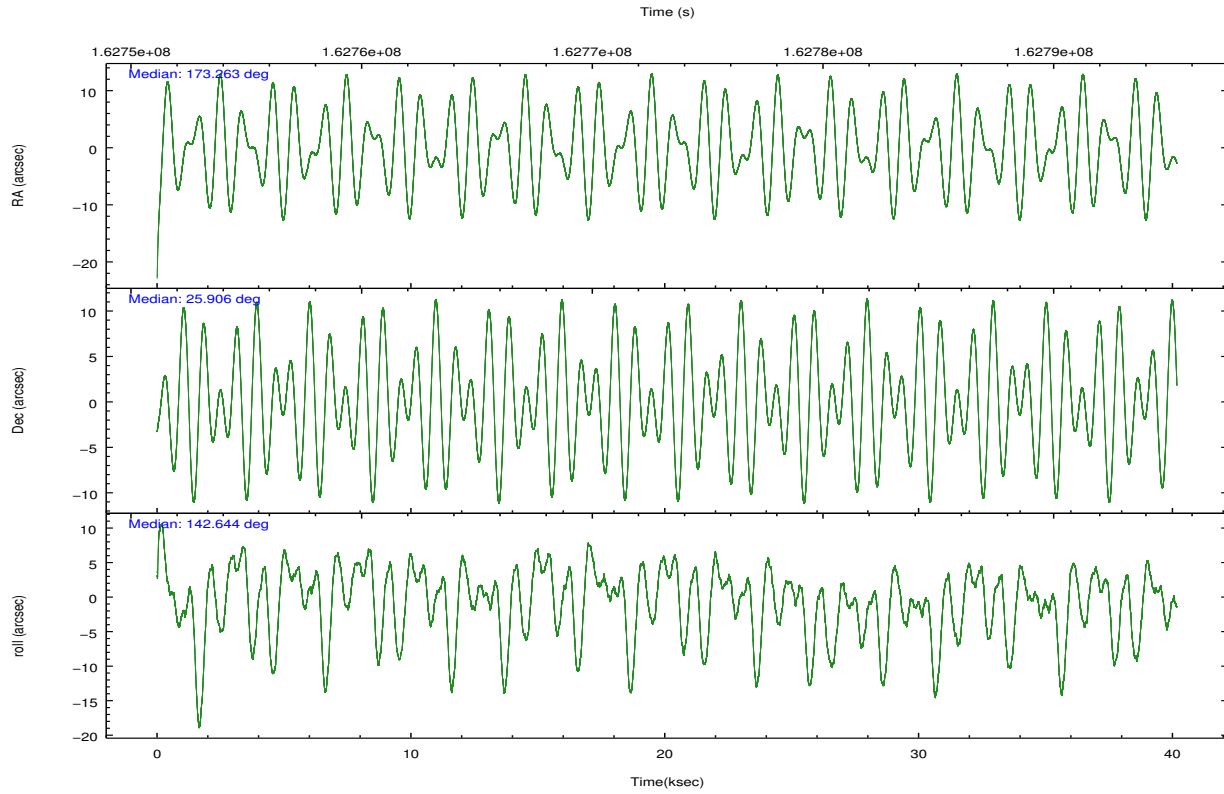
	ccd 7
grade 0 events	2398
	5%
grade 1 events	53
	0%
grade 2 events	4033
	8%
grade 3 events	2717
	5%
grade 4 events	2780
	6%
grade 5 events	4206
	9%
grade 6 events	9640
	20%
grade 7 events	20194
	43%

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	173.293229	173.2631552281735	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	25.902617	25.90572904311947	Subarray start row	449	449
[deg] Pointing Roll	142.478306	142.6480734468347	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.4
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	162753329.184000	162751763.57632			
Observation start date	2003-02-27T17:14:25	2003-02-27T16:49:23			
[s] Observation end time (MET)	162793329.184000	162794659.31562			
Observation end date	2003-02-28T04:21:05	2003-02-28T04:44:19			
Read mode	TIMED	TIMED			

2.3 Aspect



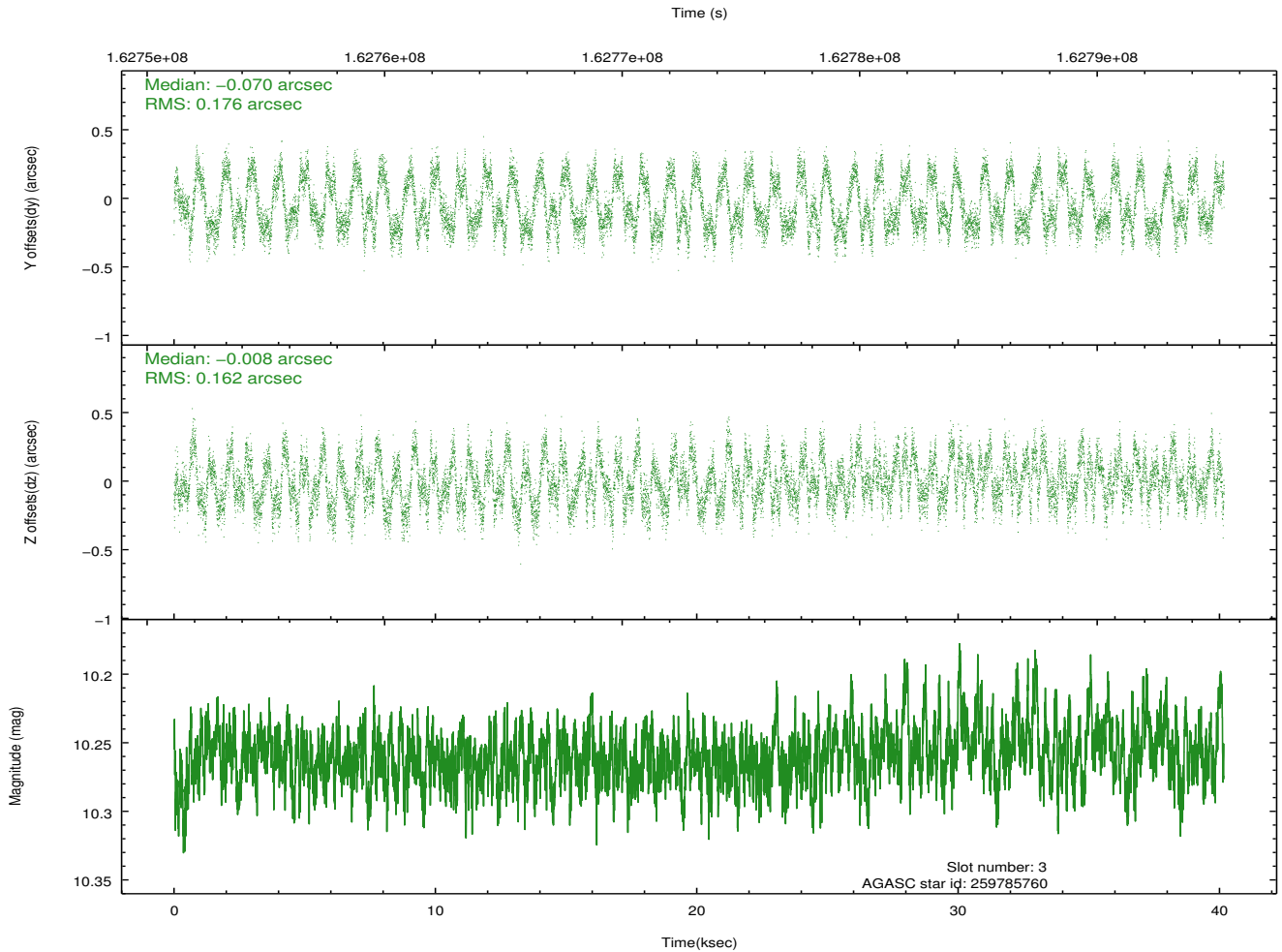
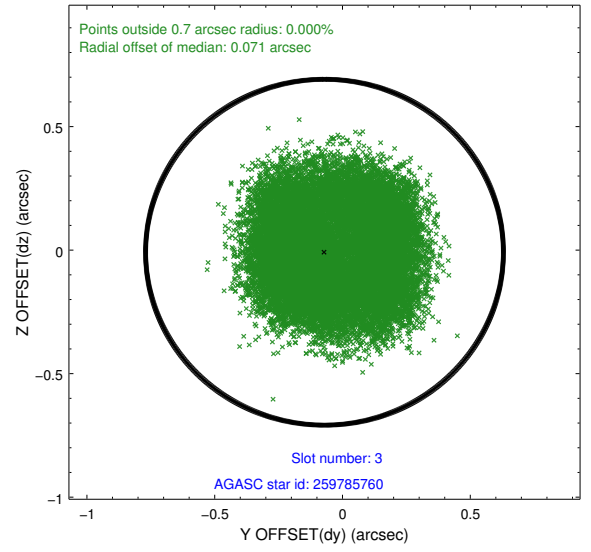
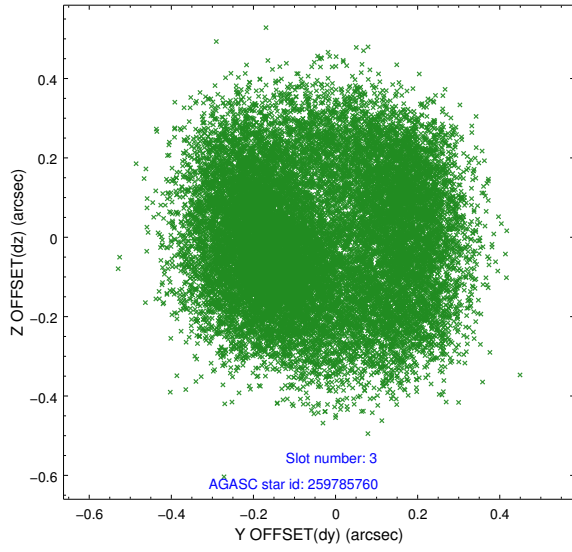


Slot Statistics

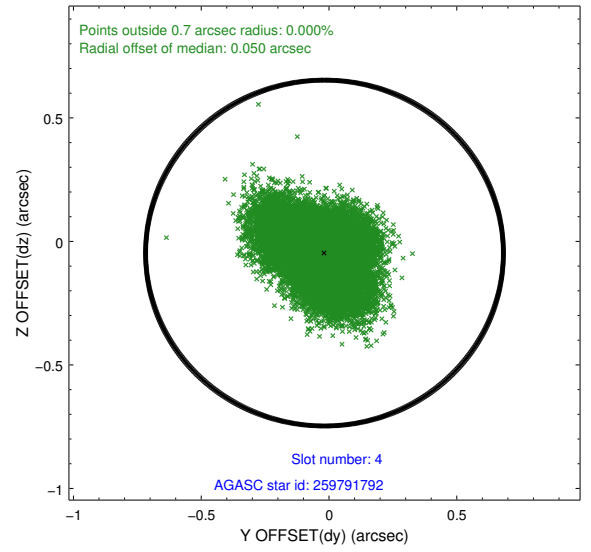
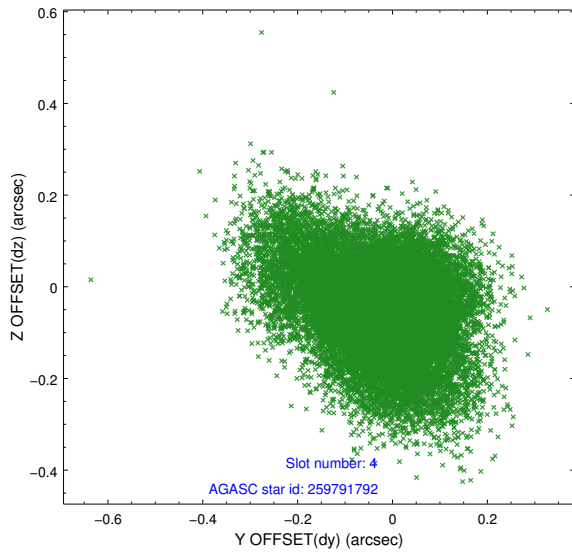
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	9799	-0.030	-0.001	0.016	0.024	0.000000	0.000000	-755.25	-1728.18
1	FID	ACIS-S-4	7.21	9799	-0.005	0.015	0.008	0.013	0.000000	0.000000	2158.03	180.33
2	FID	ACIS-S-5	7.24	9799	0.001	-0.005	0.018	0.027	0.000000	0.000000	-1808.06	173.96
3	GUIDE	259785760	10.26	19579	-0.070	-0.008	0.268	0.378	173.736287	26.017152	-884.05	-1201.92
4	GUIDE	259791792	9.95	19513	-0.018	-0.047	0.152	0.258	173.082628	25.443164	-464.25	1728.44
5	GUIDE	259797712	9.26	19583	-0.023	0.012	0.091	0.141	174.116565	25.841194	-2245.09	-1455.94
6	GUIDE	259794680	9.19	19589	0.107	0.148	0.112	0.176	172.351209	25.874227	2364.52	1931.26
7	GUIDE	259790112	9.83	19583	-0.006	-0.104	0.132	0.210	173.000463	26.027865	1026.64	218.57

2.4 Star Slots

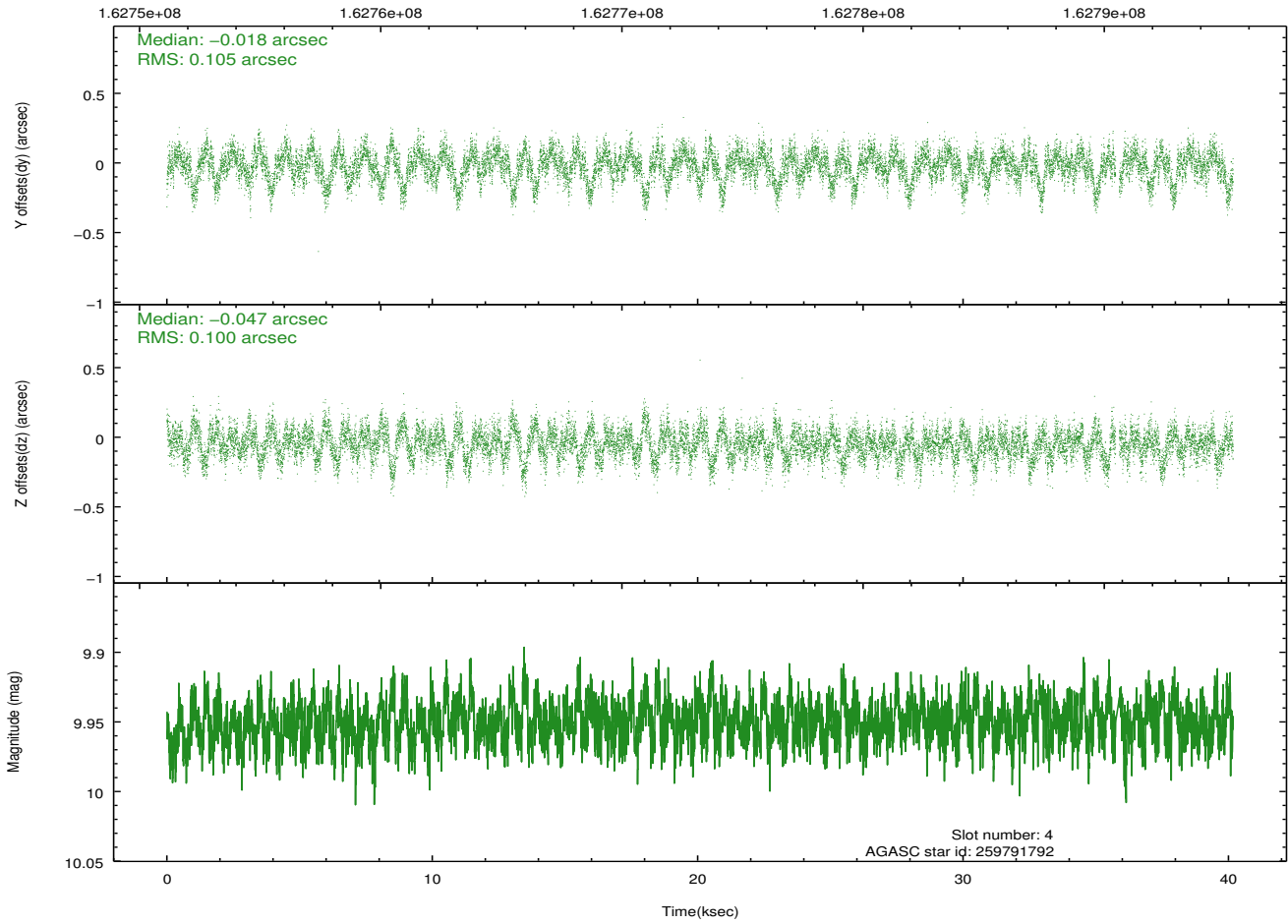
2.4.1 Slot 3



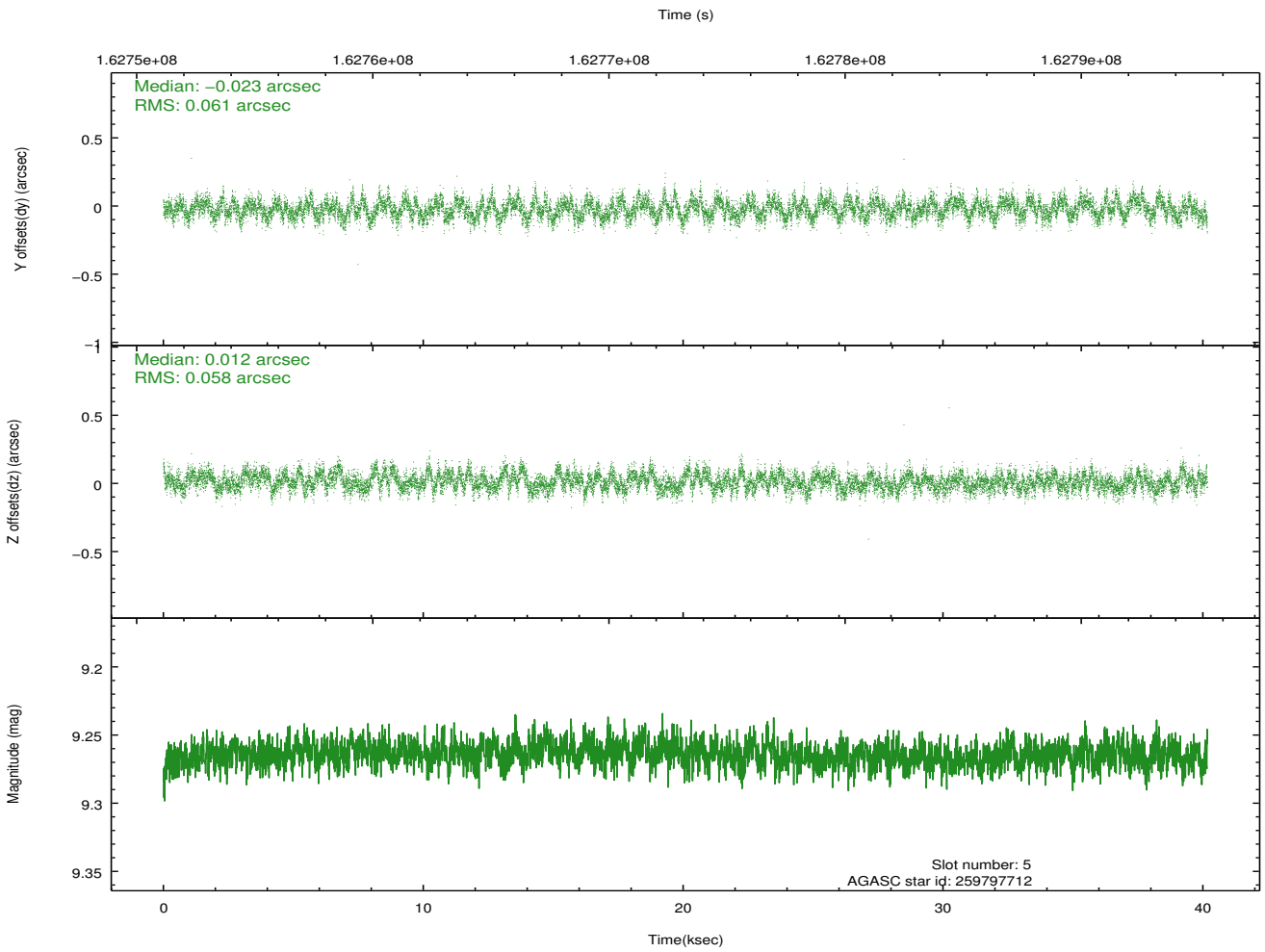
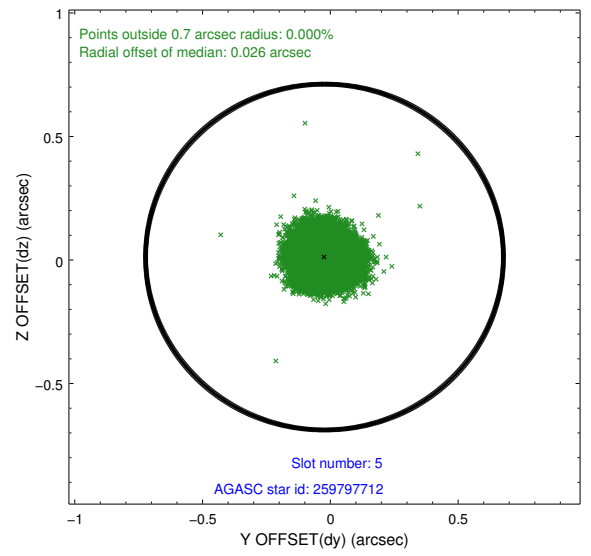
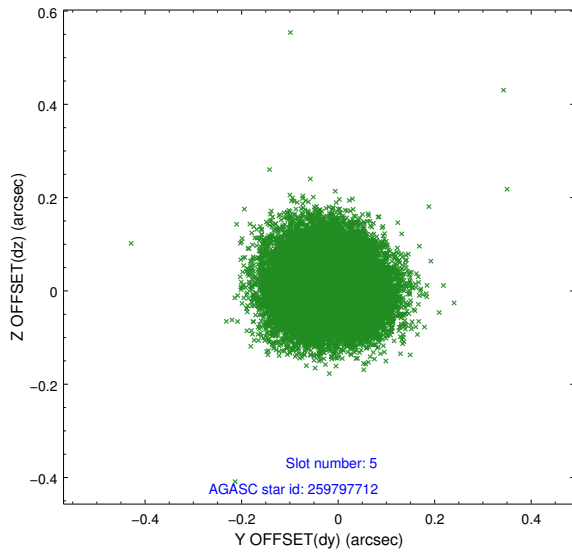
2.4.2 Slot 4



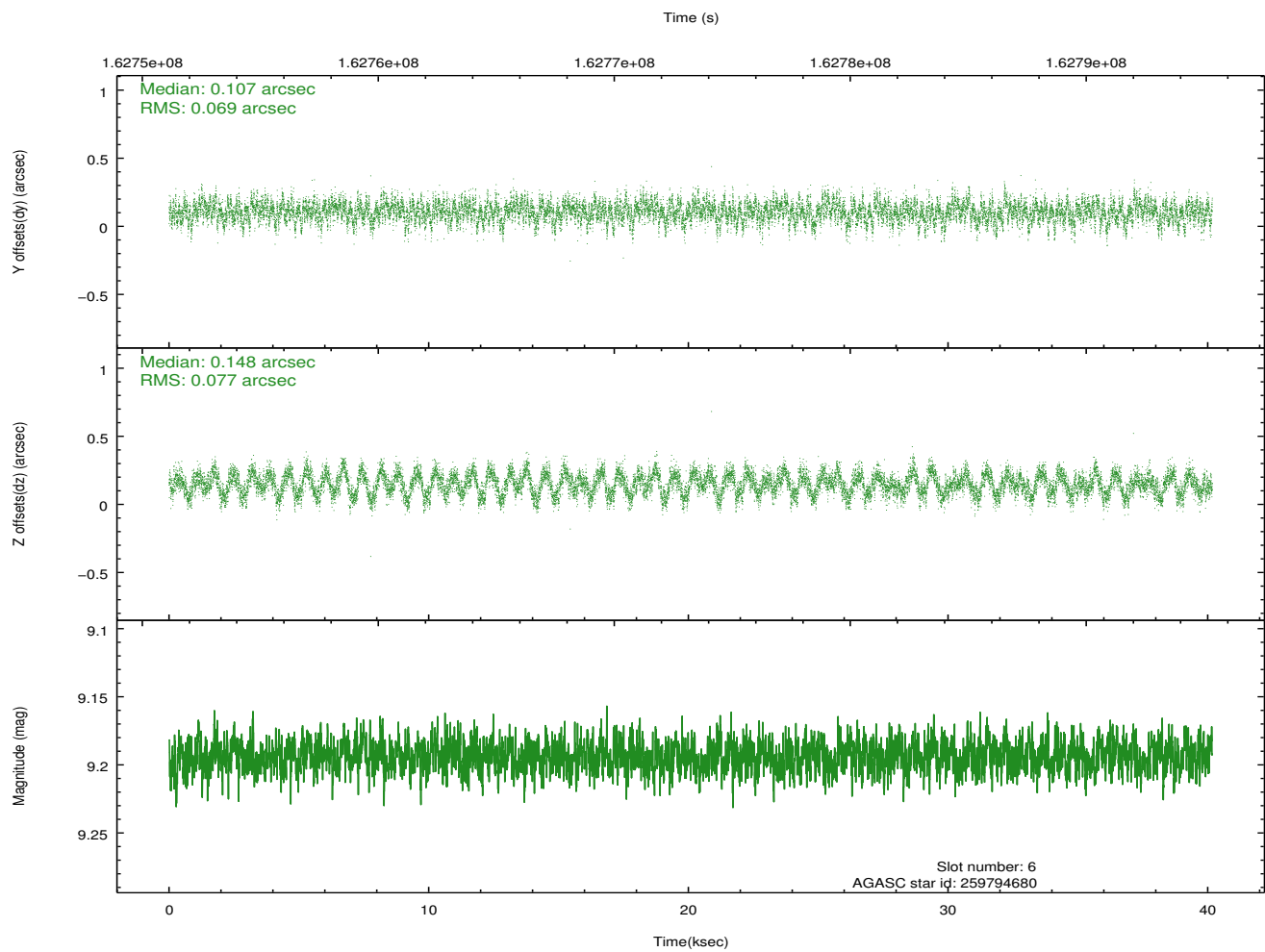
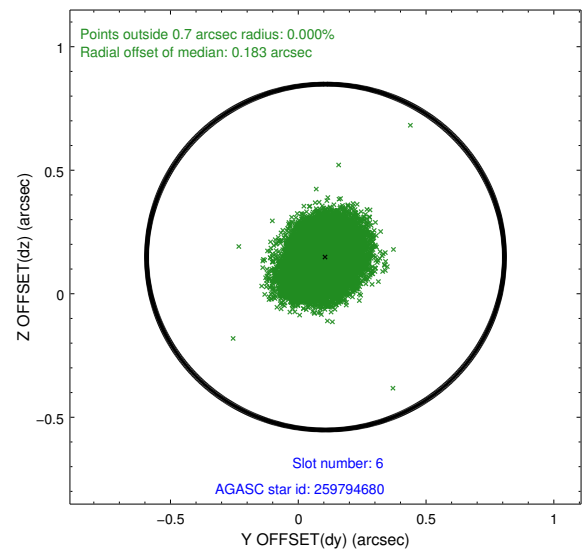
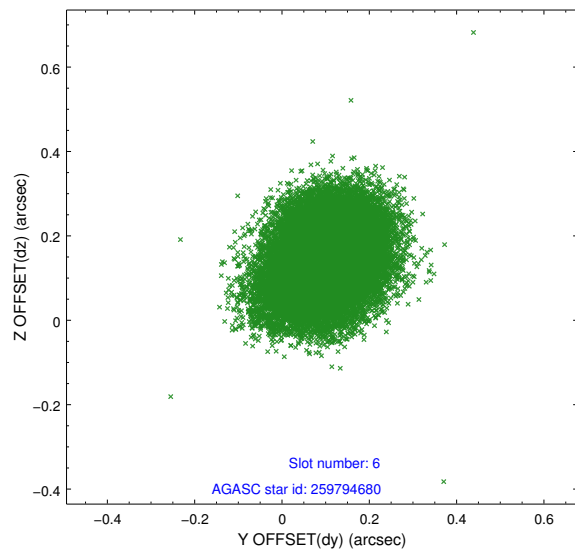
Time (s)



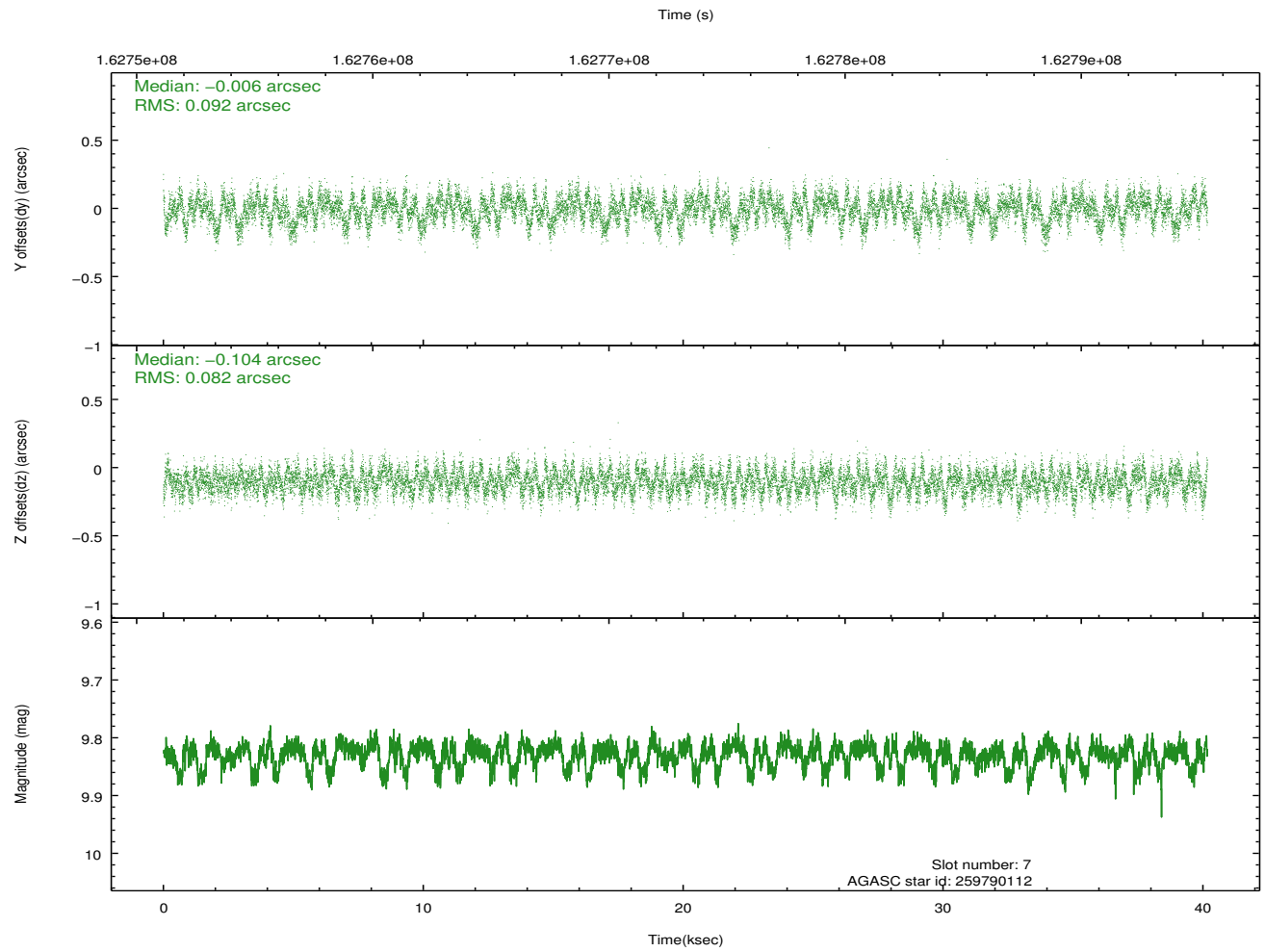
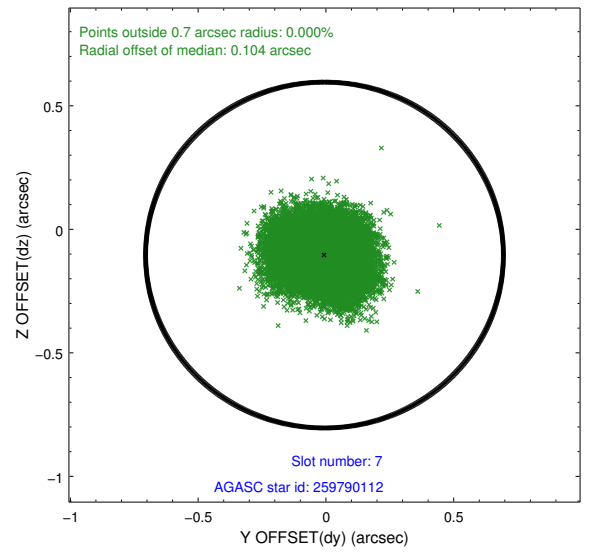
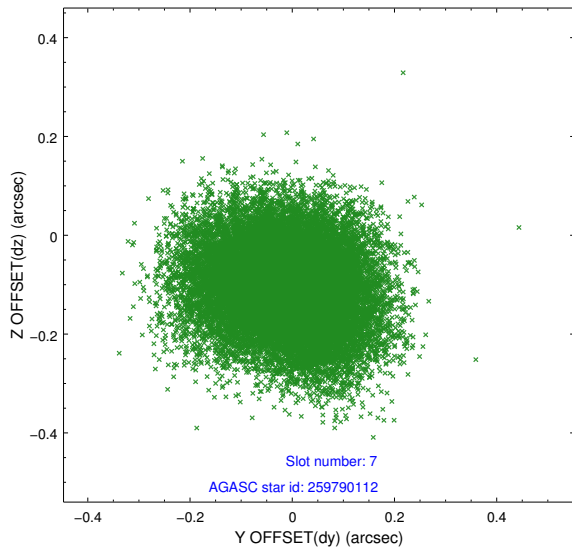
2.4.3 Slot 5



2.4.4 Slot 6

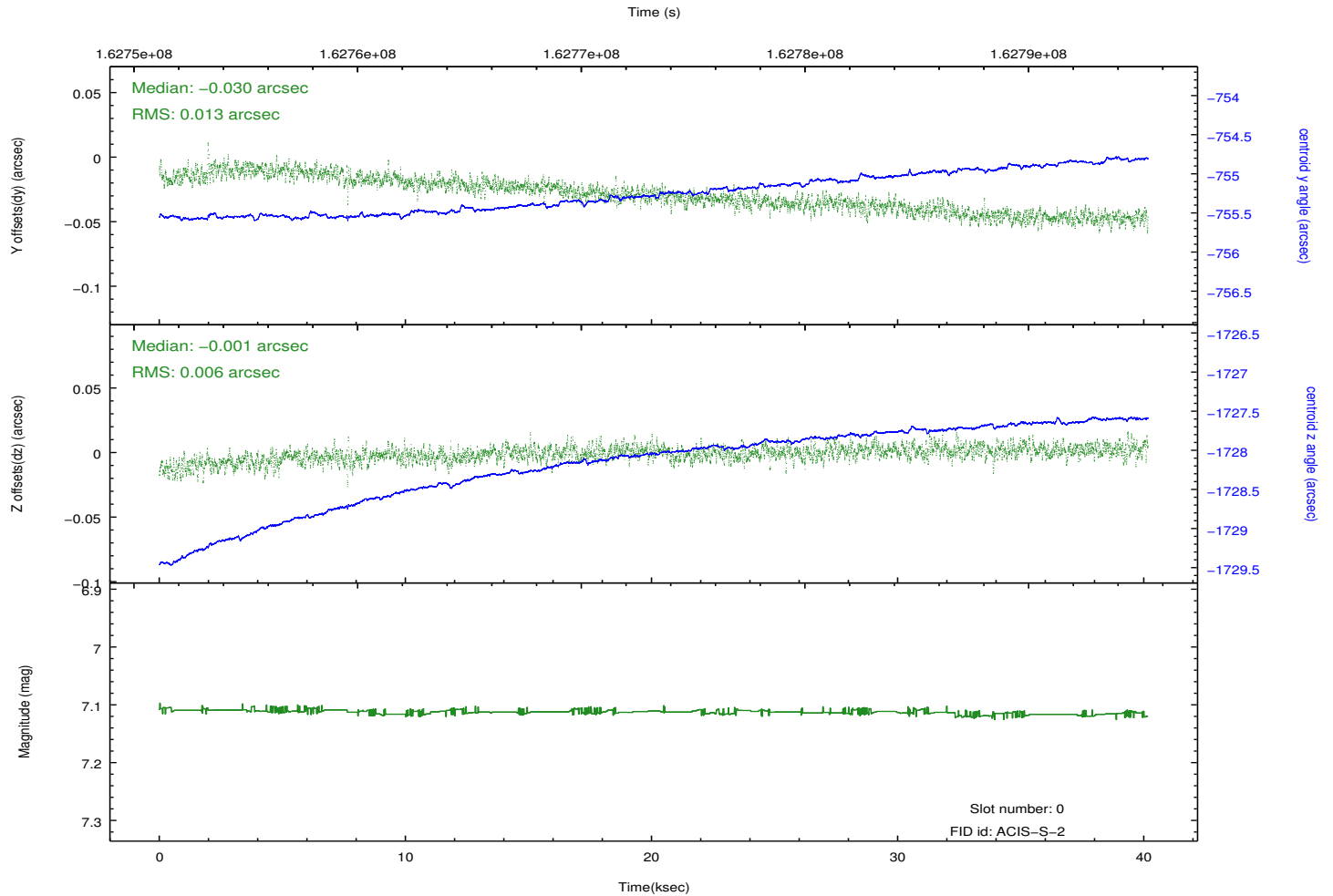
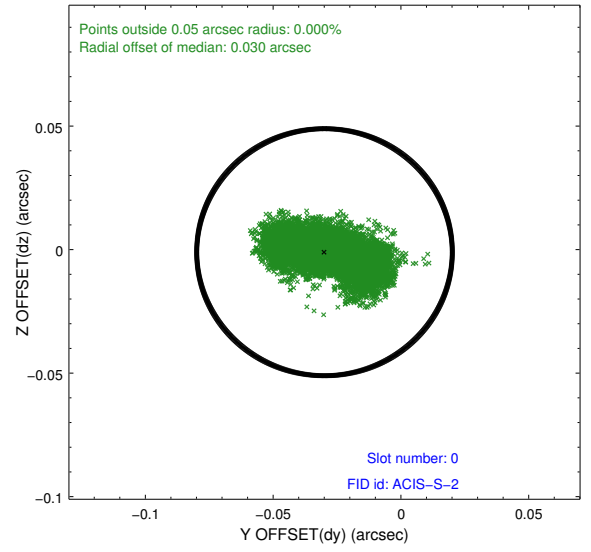
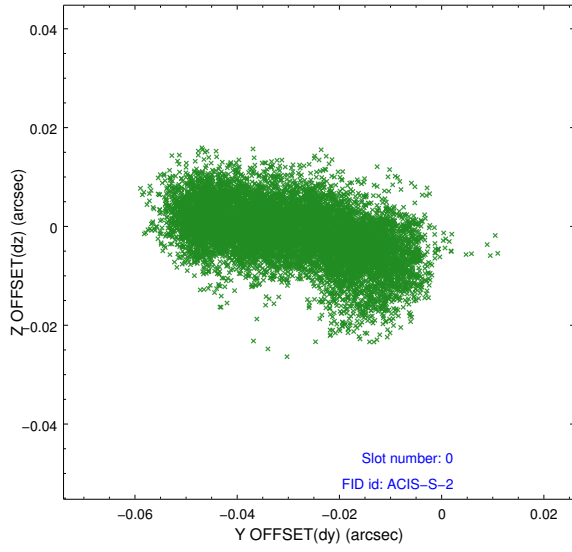


2.4.5 Slot 7

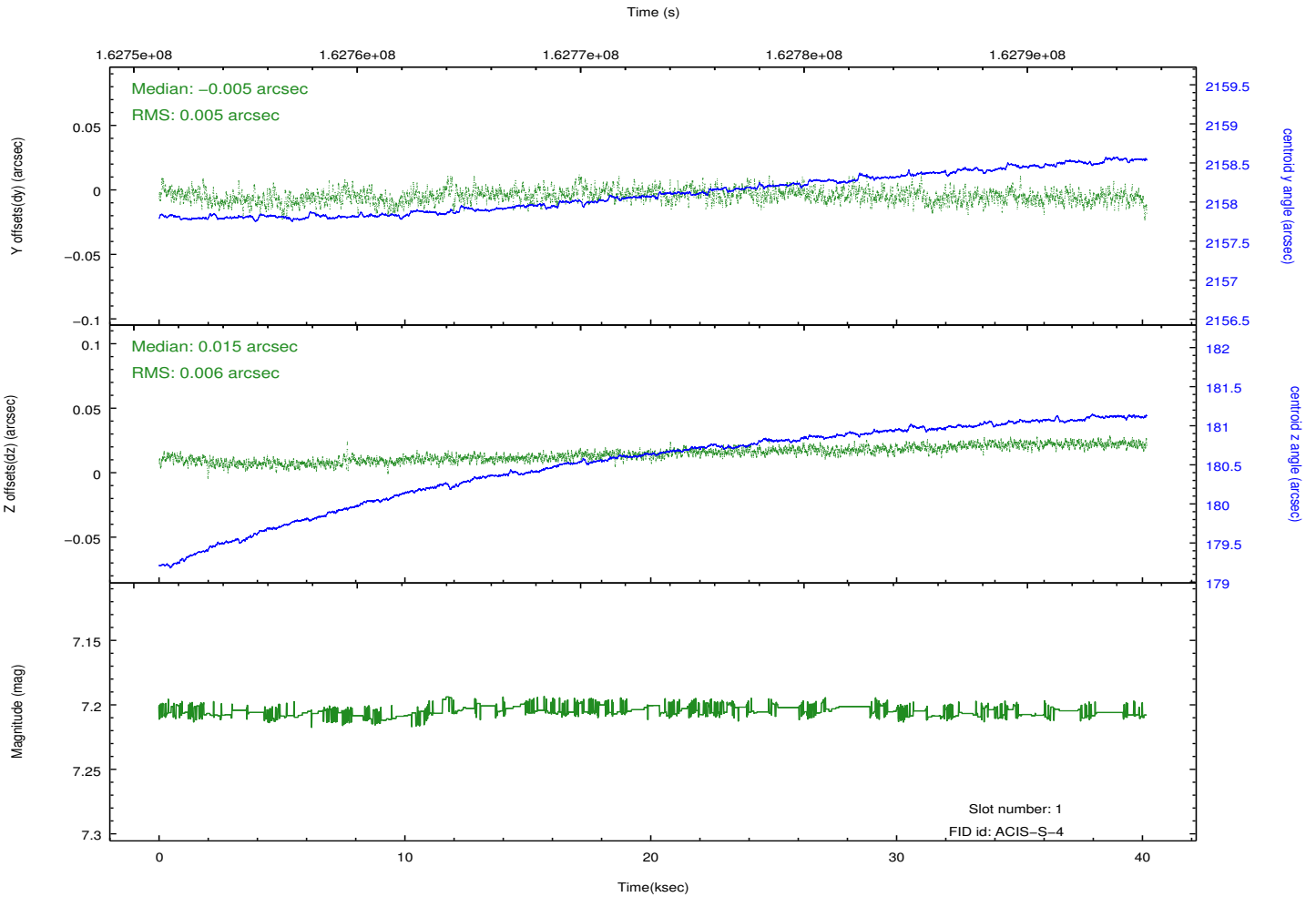
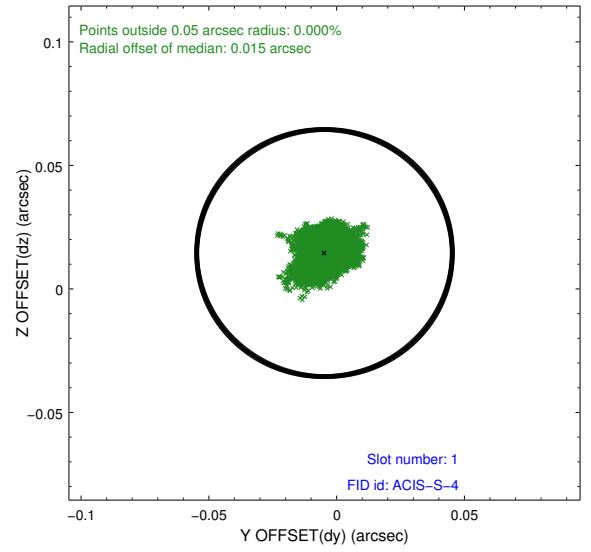
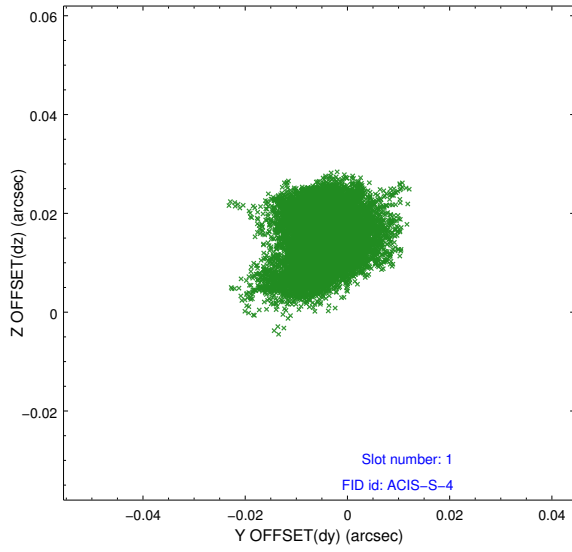


2.5 FID Slots

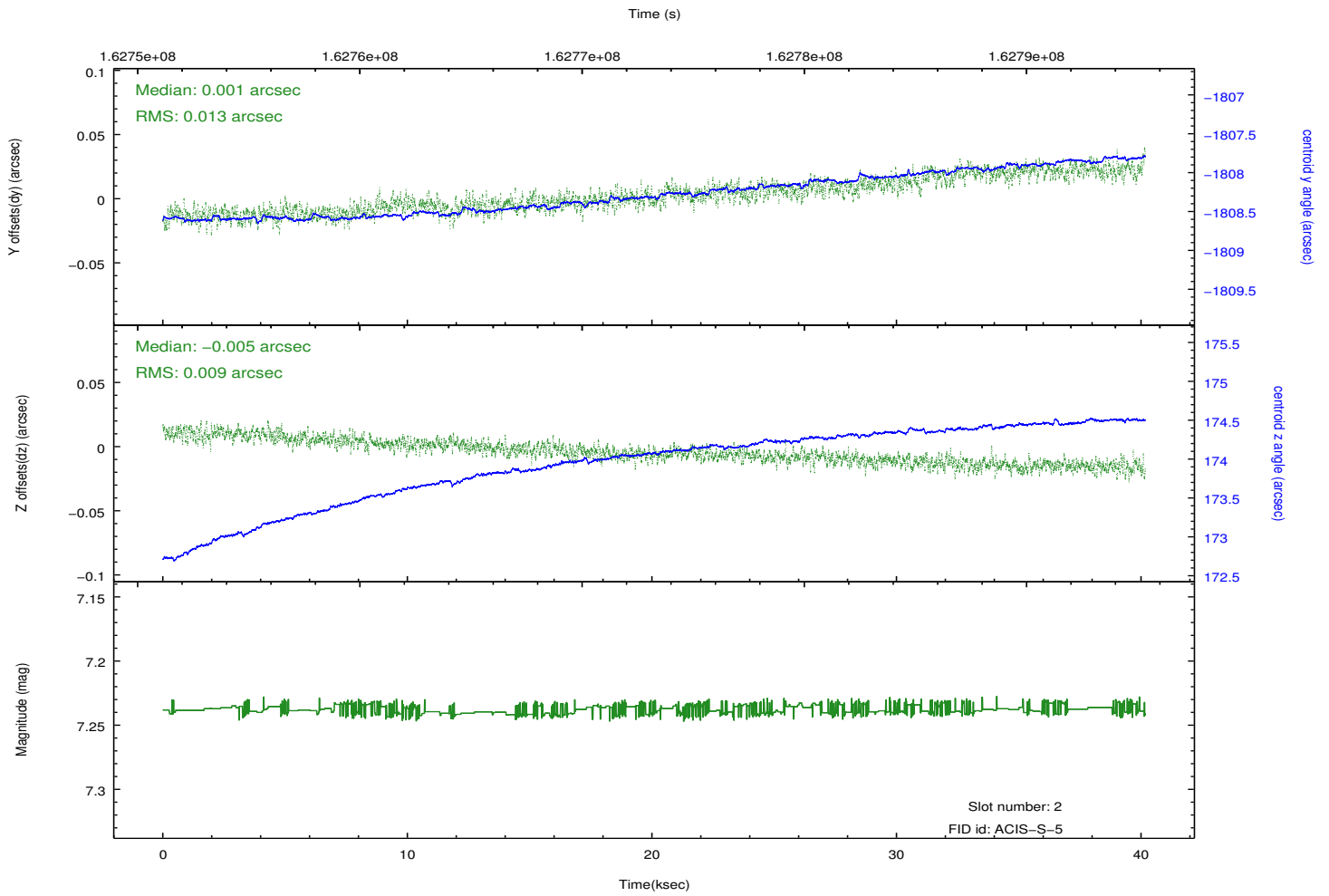
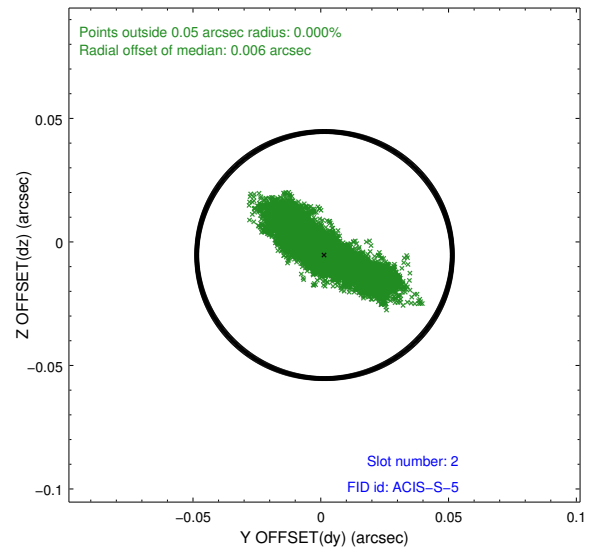
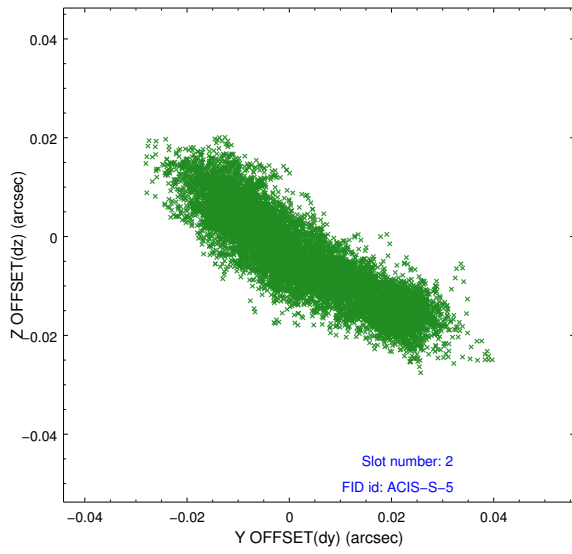
2.5.1 Slot 0



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)	2012.11.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	40.172

A.2 Comments