

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 7156 - L2 Version 2
Chandra X-Ray Center

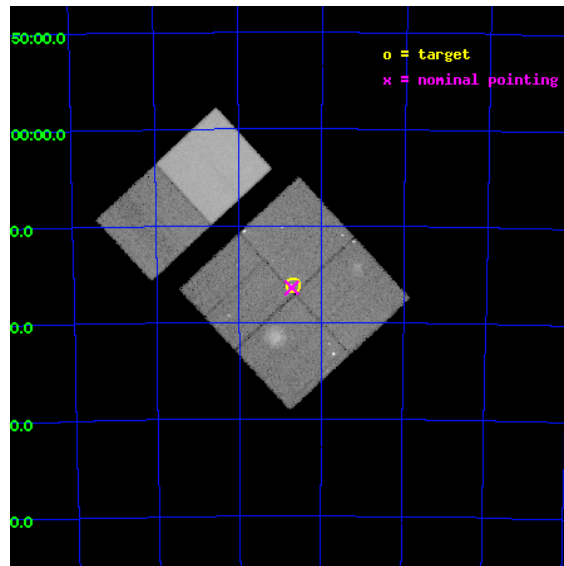
L2 Processing Date : Apr 14 2012

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1 Front

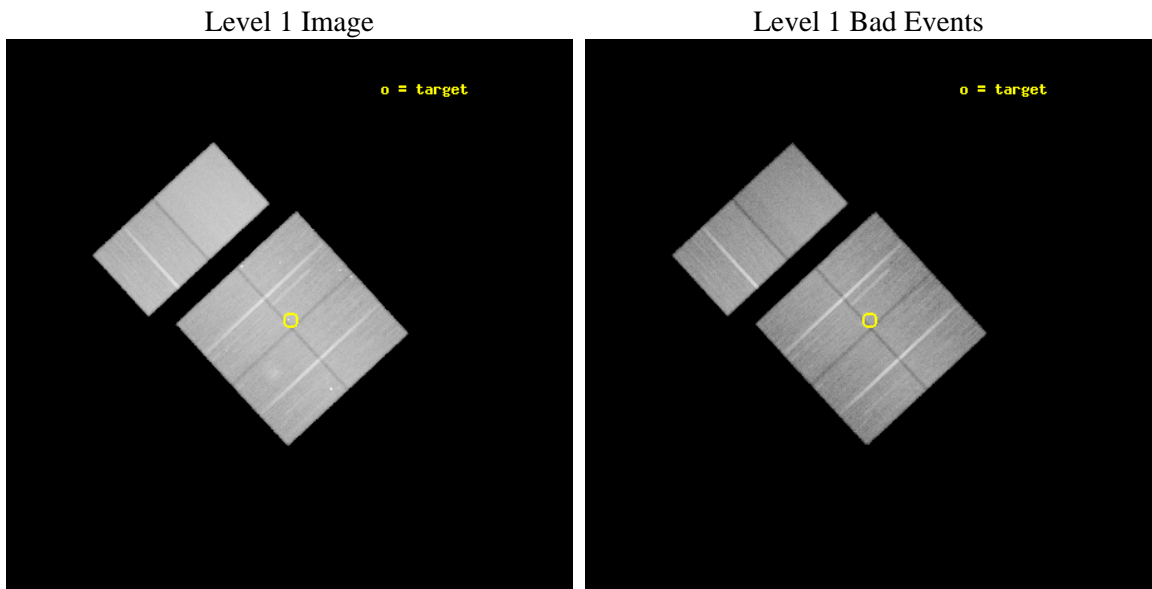
seq_num	600594	Sequence number
obs_id	7156	Observation id
title	A Deep X-ray Survey of the Small Magellanic Cloud	Proposal title
observer	Dr Andreas Zezas	Principal investigator
object	SMC Deep Field 2	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	12.6725	Observer's specified target RA [deg]
dec_targ	-73.269528	Observer's specified target Dec [deg]
ra_nom	12.679181428082	Nominal RA [deg]
dec_nom	-73.273759755757	Nominal Dec [deg]
roll_nom	317.2150820044	Nominal Roll [deg]
revision	2	Processing version of data
ontime	39164.758883893	Sum of GTIs [s]
livetime	38668.831124719	Livetime [s]
ontime0	39167.999854147	Sum of GTIs [s]
ontime1	39167.999854147	Sum of GTIs [s]
ontime2	39167.999854147	Sum of GTIs [s]
ontime3	39164.758883893	Sum of GTIs [s]
ontime6	39167.999854147	Sum of GTIs [s]
ontime7	39167.999854147	Sum of GTIs [s]
l2events	404834	Number of level 2 events



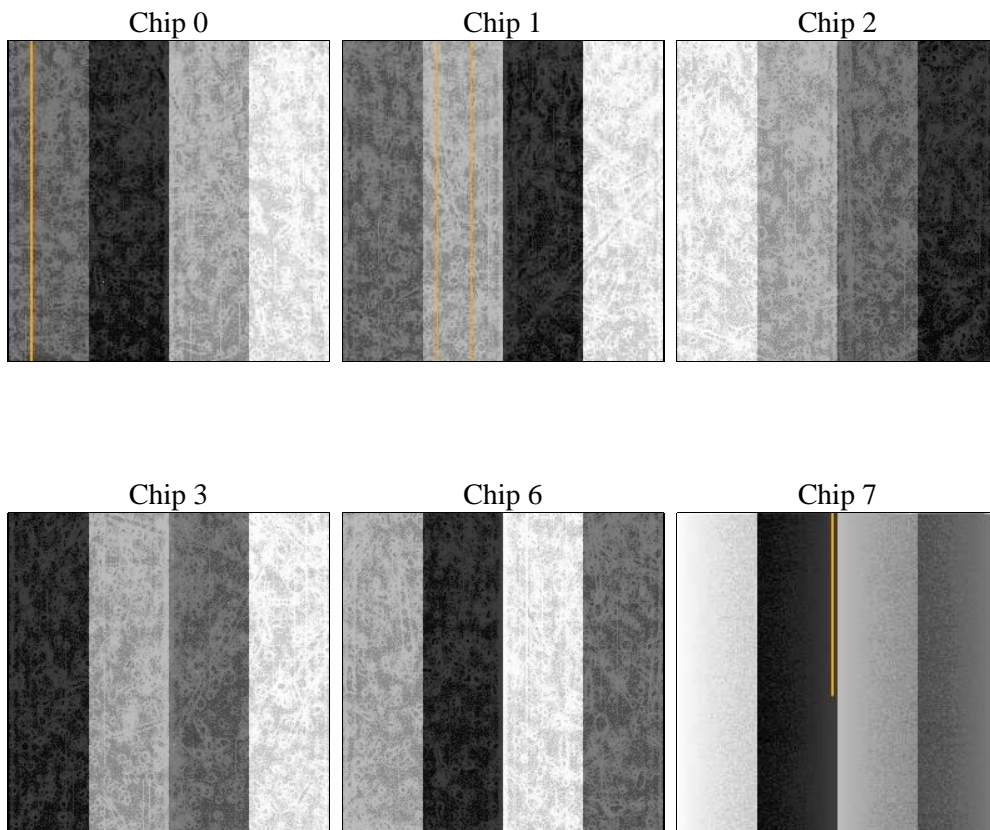
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	39000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	39164.758883893	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	39167.999854147	Sum of GTIs [s]
date	2012-04-14T05:38:38	Date and time of file creation	ontime1	39167.999854147	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	39167.999854147	Sum of GTIs [s]
			ontime3	39164.758883893	Sum of GTIs [s]
			ontime6	39167.999854147	Sum of GTIs [s]
			ontime7	39167.999854147	Sum of GTIs [s]
			l1events	2265537	Number of level 1 events

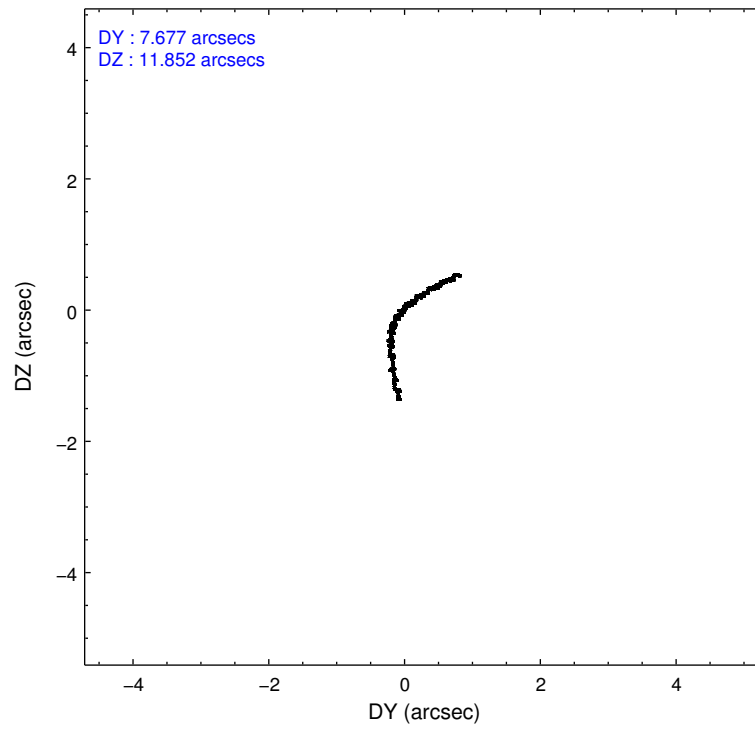
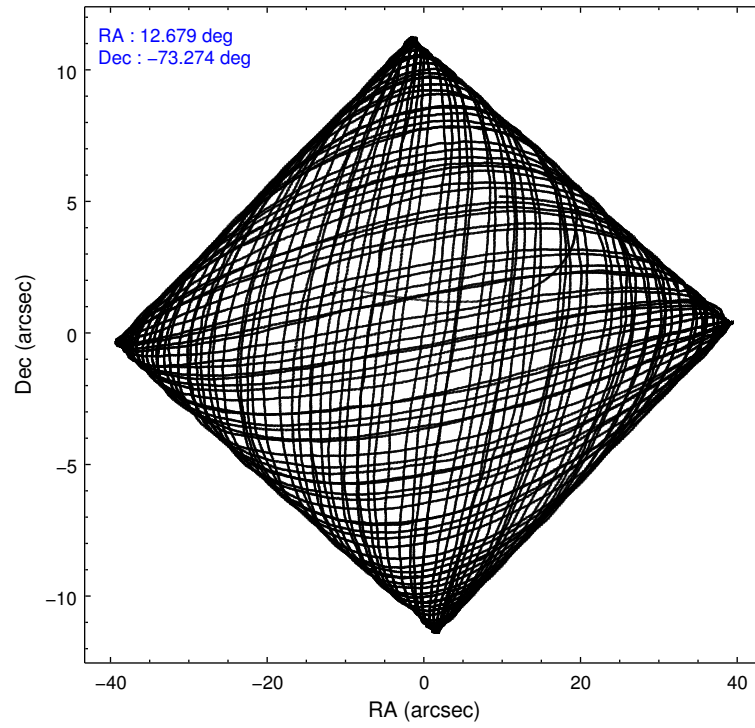
2.1.4 Events

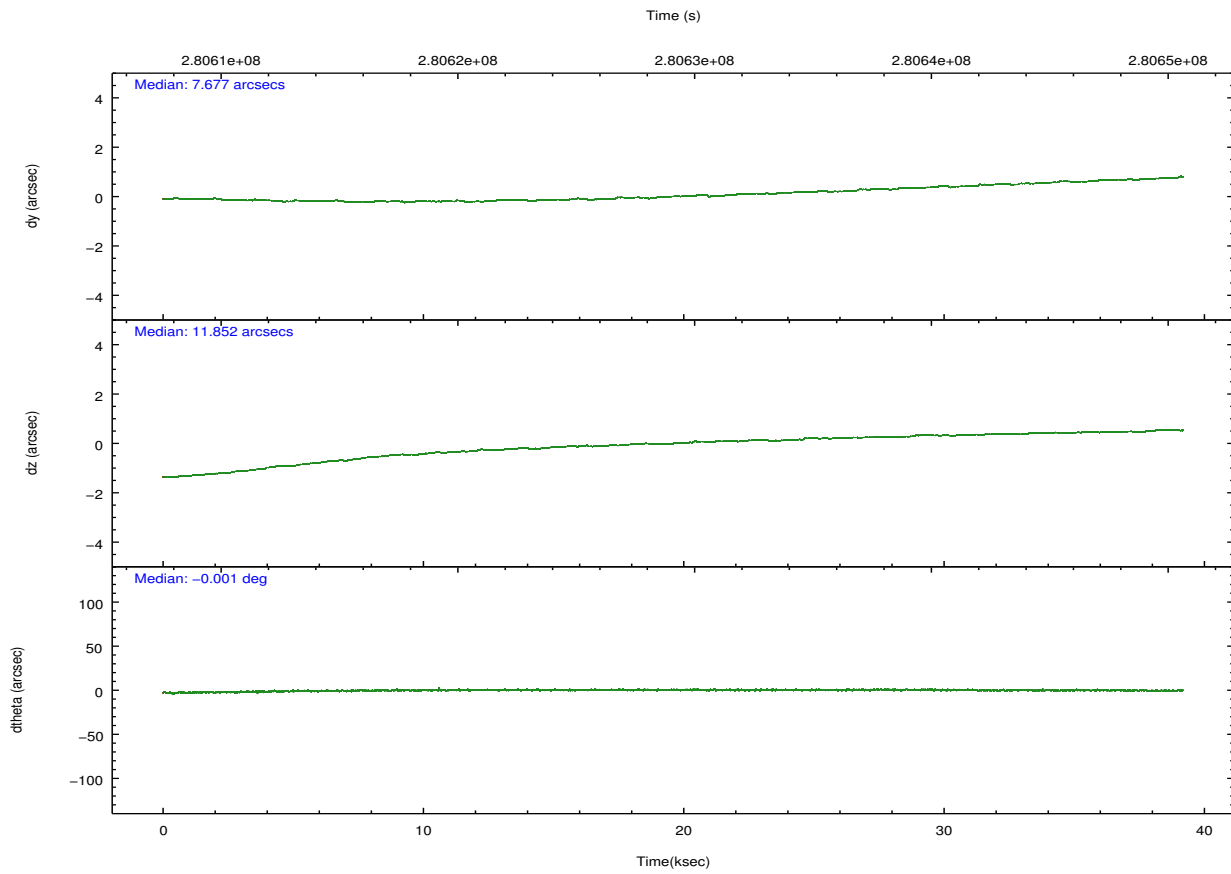
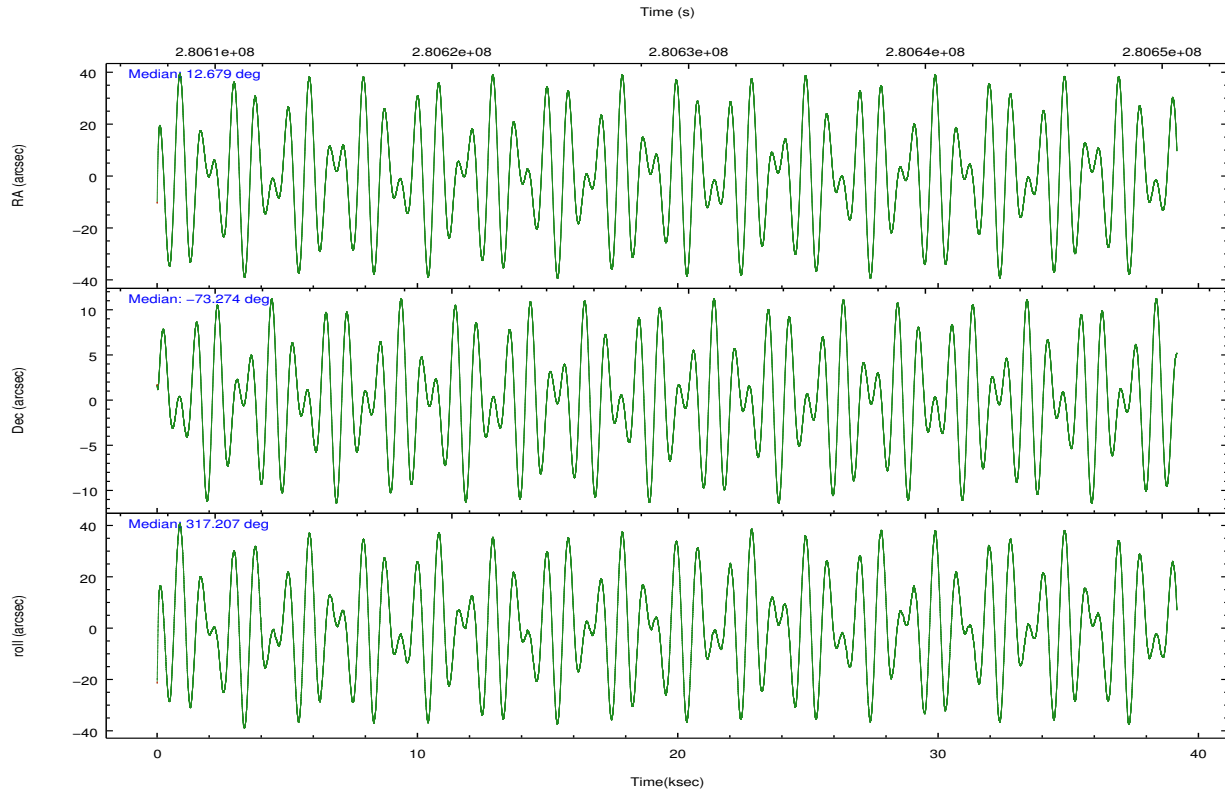
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	338798	338735	363449	356363	374944	493248	grade 0 events	25630	19435	19652	21680	16949	18292
rejected events	287355	291141	320168	309750	331180	285966		7%	5%	5%	6%	4%	3%
rejected %	84%	85%	88%	86%	88%	57%	grade 1 events	277	204	260	288	199	525
								0%	0%	0%	0%	0%	0%
							grade 2 events	10156	10506	8811	8678	9632	41904
								2%	3%	2%	2%	2%	8%
							grade 3 events	4284	4403	3958	4298	4278	17955
								1%	1%	1%	1%	1%	3%
							grade 4 events	3903	4233	3934	4249	3985	17971
								1%	1%	1%	1%	1%	3%
							grade 5 events	14167	15762	13756	16571	17169	47145
								4%	4%	3%	4%	4%	9%
							grade 6 events	7531	9059	6959	7749	8963	111349
								2%	2%	1%	2%	2%	22%
							grade 7 events	272850	275133	306119	292850	313769	238107
								80%	81%	84%	82%	83%	48%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	12.586275	12.67918142808211	Subarray requested	NONE	NONE
[deg] Pointing Dec	-73.267768	-73.27375975575663	Alternating exposures requested	N	N
[deg] Pointing Roll	316.917428	317.2150820043976	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	280609679.184000	280608596.13233			
Observation start date	2006-11-22T19:06:54	2006-11-22T18:49:56			
[s] Observation end time (MET)	280648679.184000	280649705.29677			
Observation end date	2006-11-23T05:56:54	2006-11-23T06:15:05			
Read mode	TIMED	TIMED			

2.3 Aspect



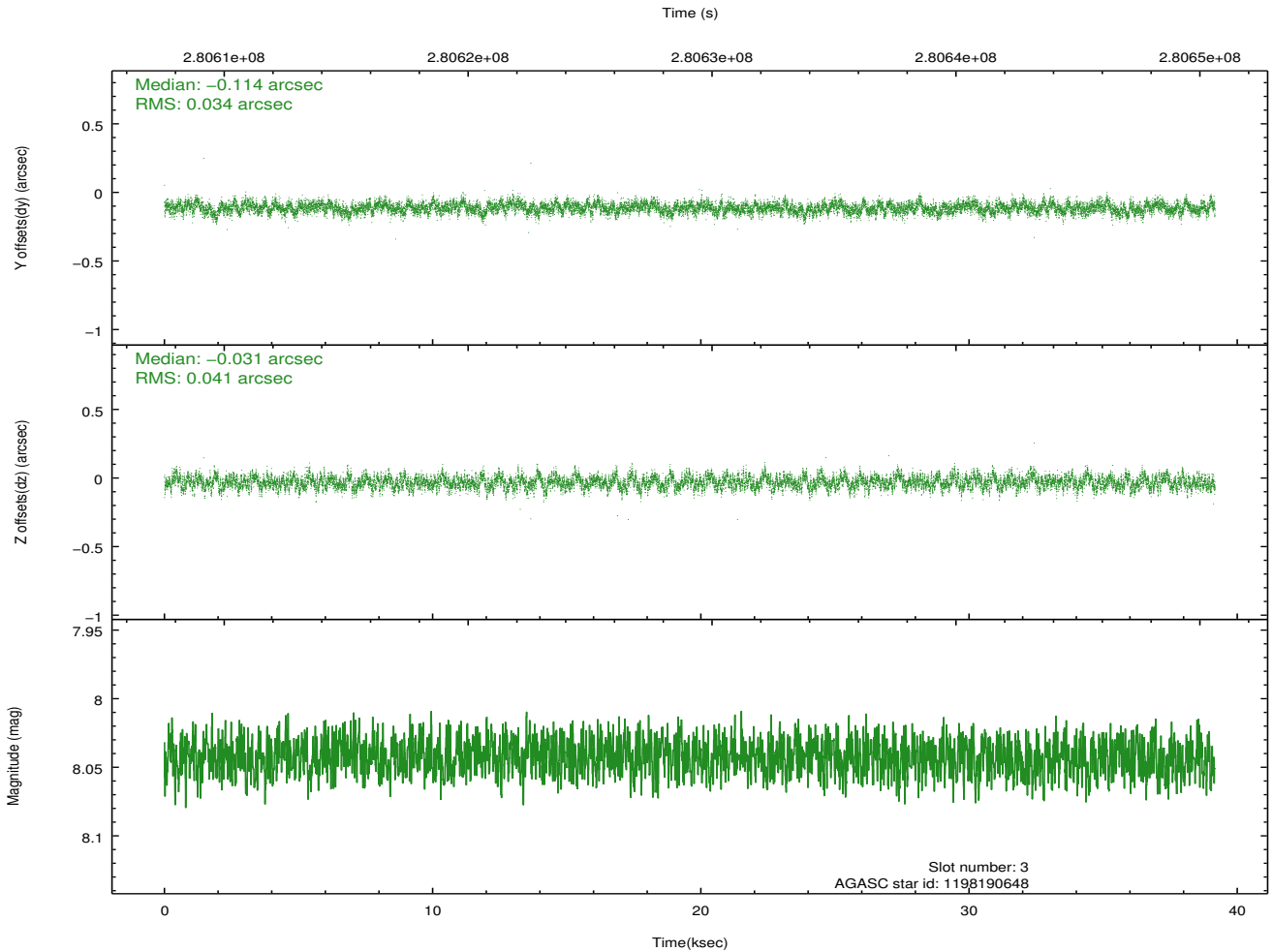
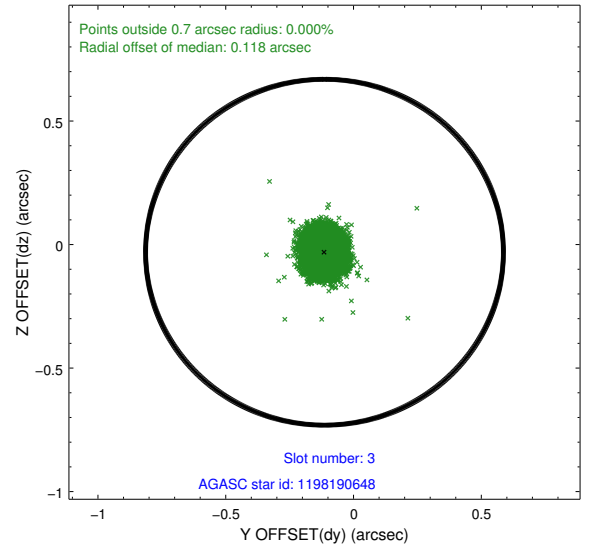
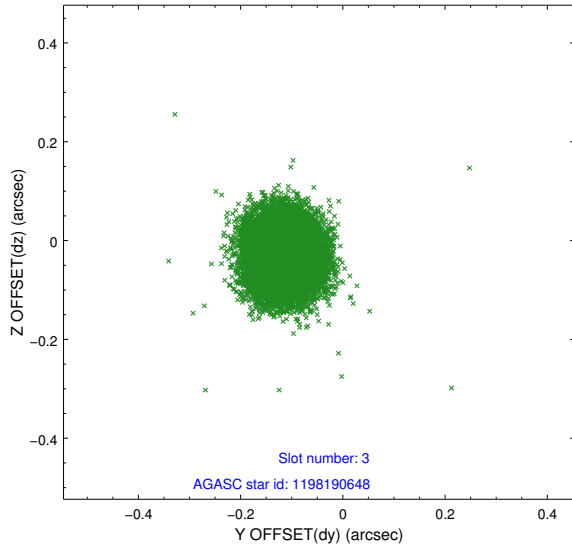


Slot Statistics

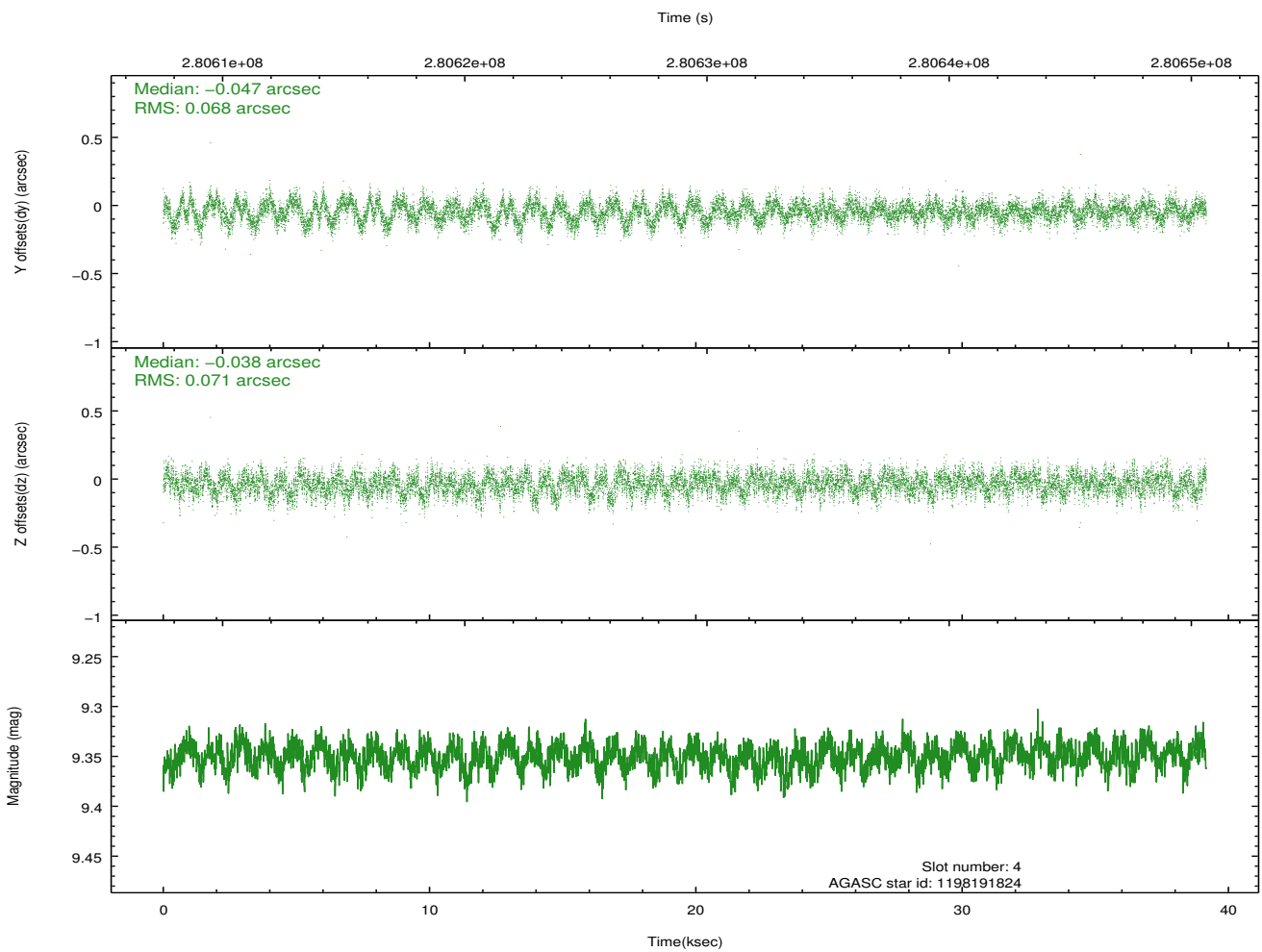
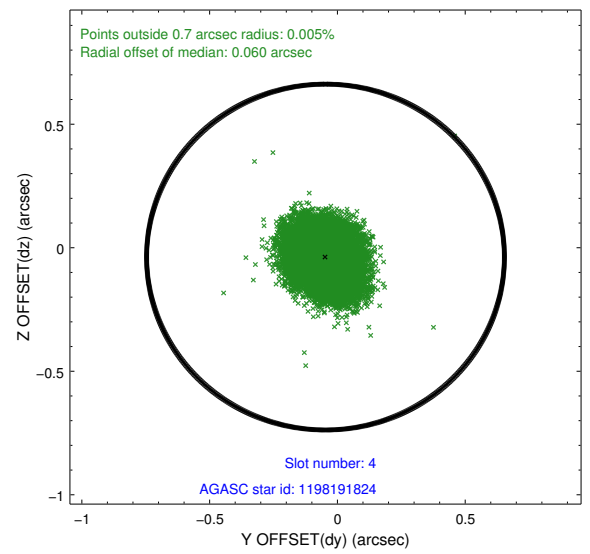
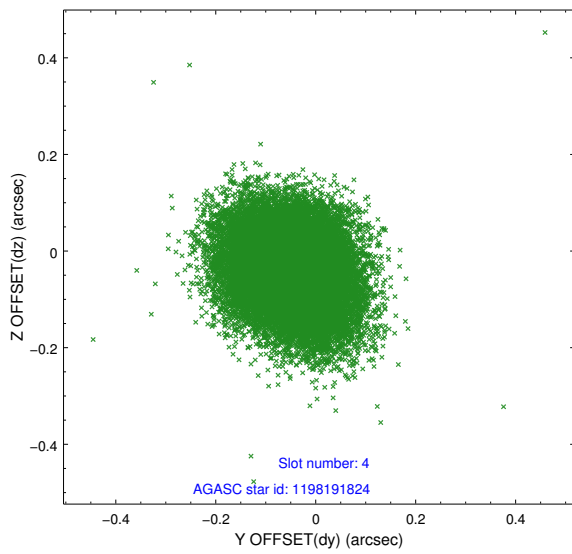
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	9555	0.056	-0.041	0.018	0.033	0.000000	0.000000	931.91	-835.30
1	FID	ACIS-I-5	7.23	9555	-0.187	0.062	0.012	0.029	0.000000	0.000000	-1816.40	1062.32
2	FID	ACIS-I-6	7.24	9554	0.040	0.052	0.017	0.026	0.000000	0.000000	397.45	1706.81
3	GUIDE	1198190648	8.04	19101	-0.114	-0.031	0.057	0.092	12.344115	-73.478663	338.37	-724.10
4	GUIDE	1198191824	9.35	19089	-0.047	-0.038	0.105	0.168	11.519918	-73.478175	-272.71	-1305.83
5	GUIDE	1198192088	9.21	19095	0.045	0.024	0.132	0.192	11.250657	-73.229216	-1096.91	-857.60
6	GUIDE	1198192408	9.42	19095	0.021	0.011	0.131	0.210	12.860639	-72.678863	-1232.64	1748.81
7	GUIDE	1198192456	8.61	19094	0.099	0.031	0.122	0.180	13.422921	-73.869405	2095.16	-1014.10

2.4 Star Slots

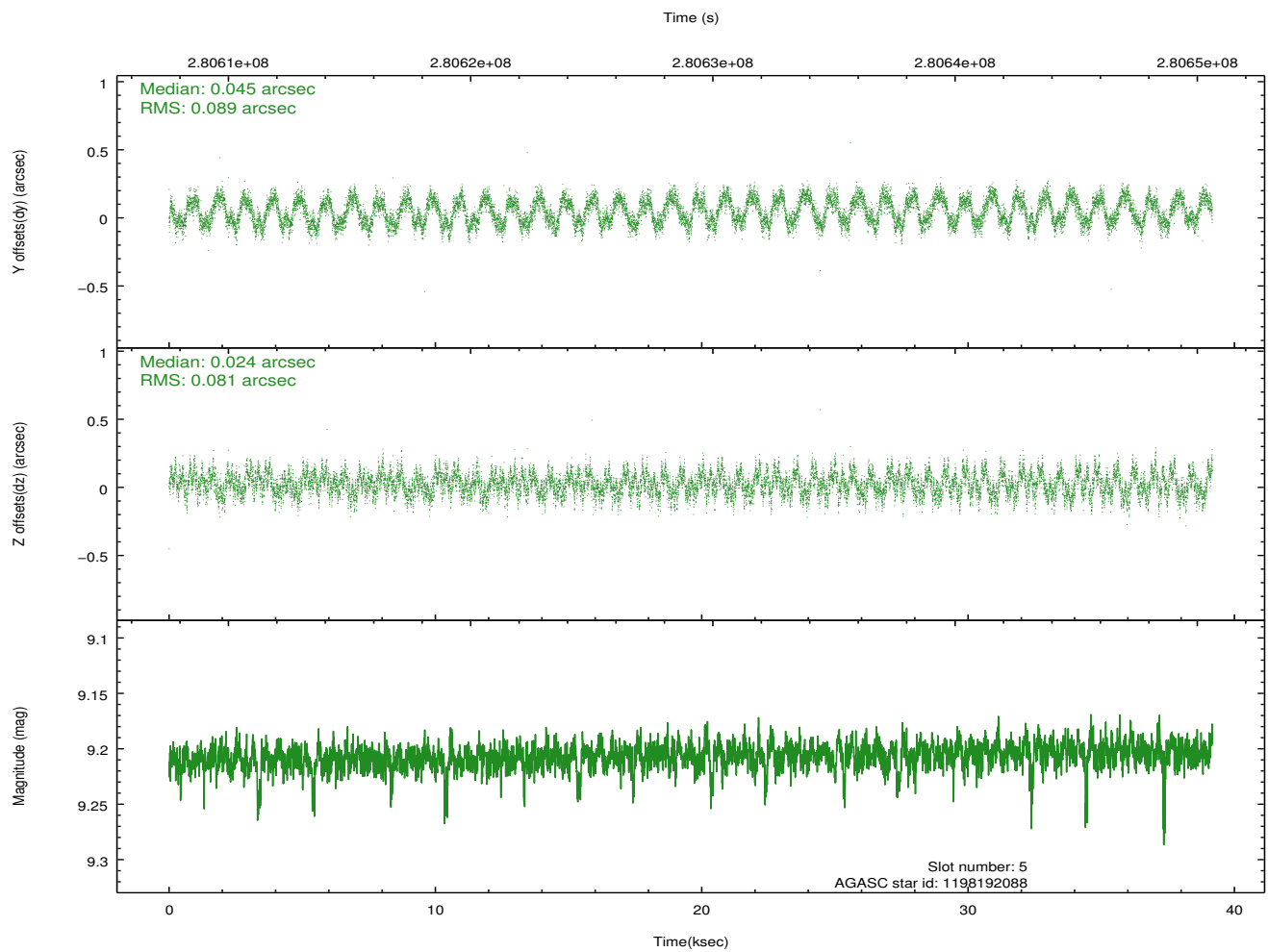
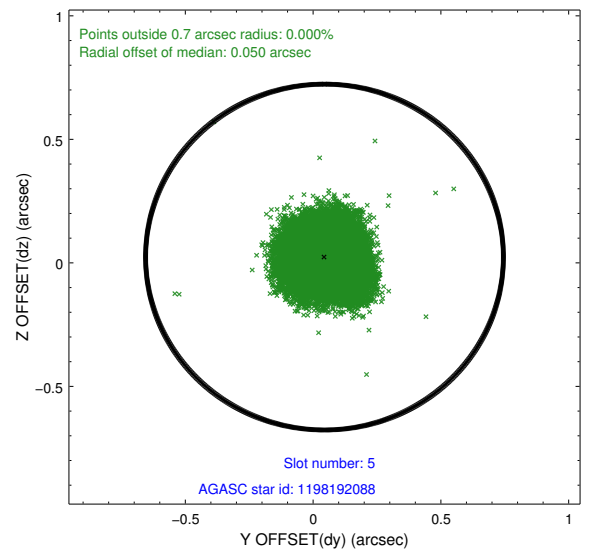
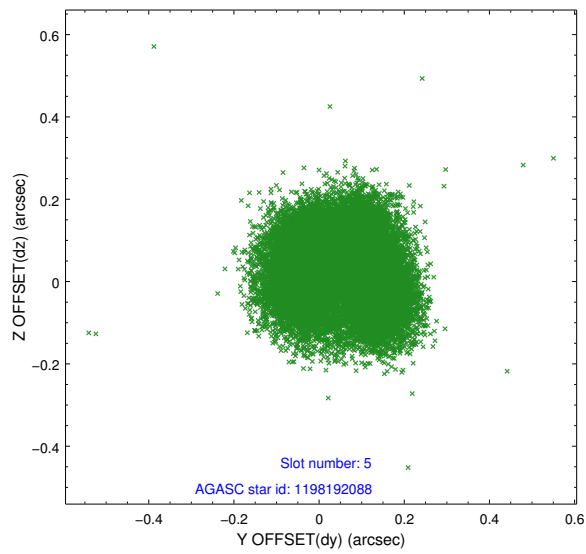
2.4.1 Slot 3



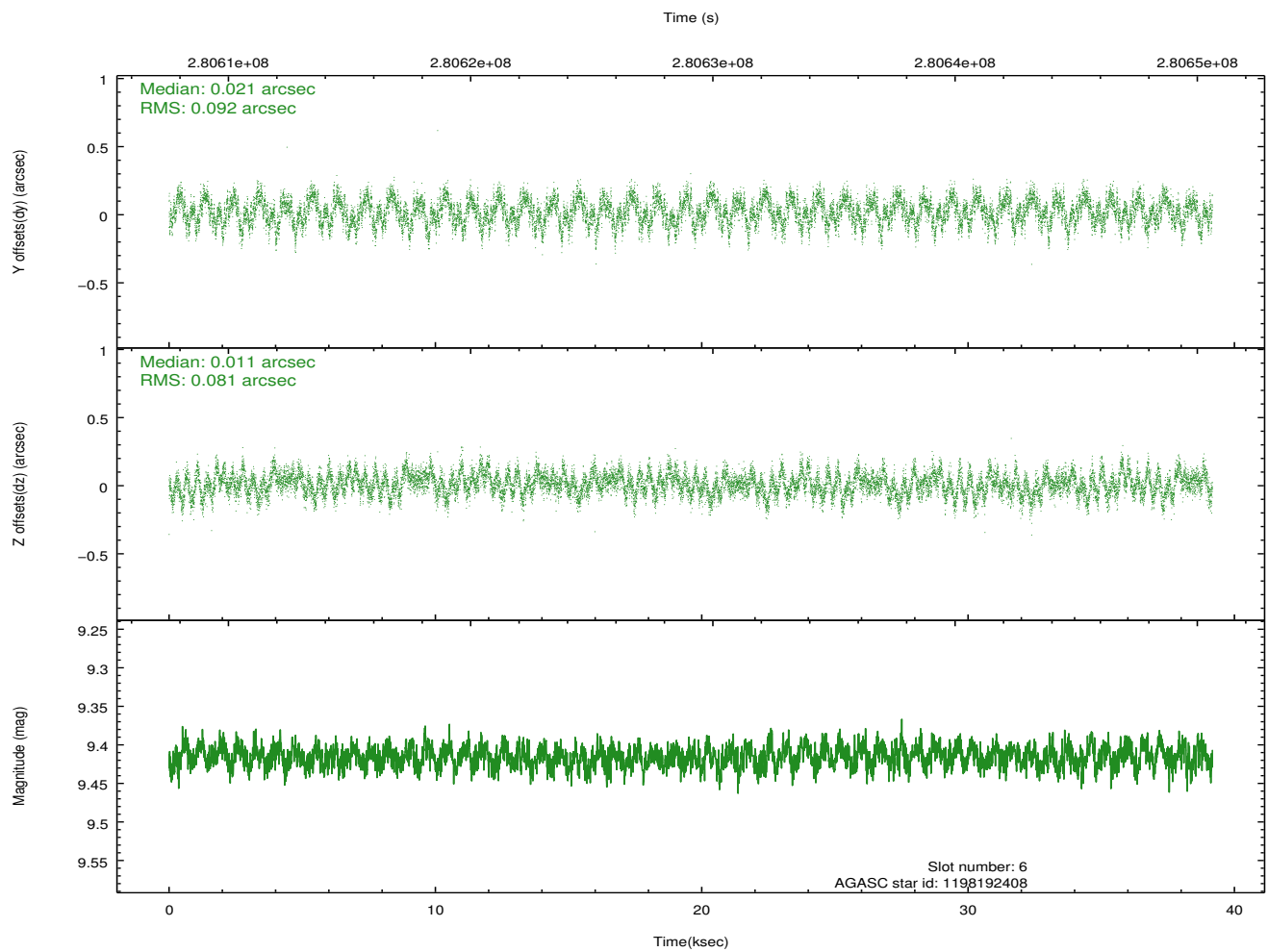
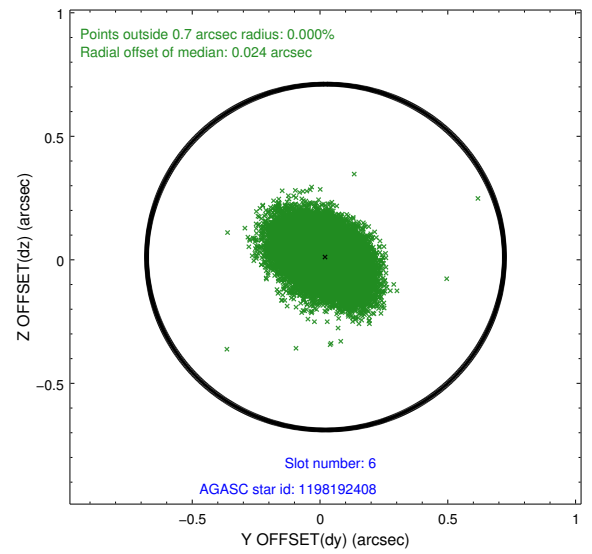
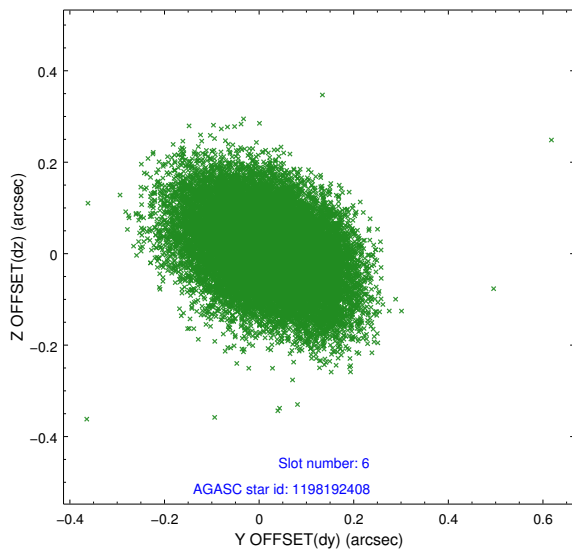
2.4.2 Slot 4



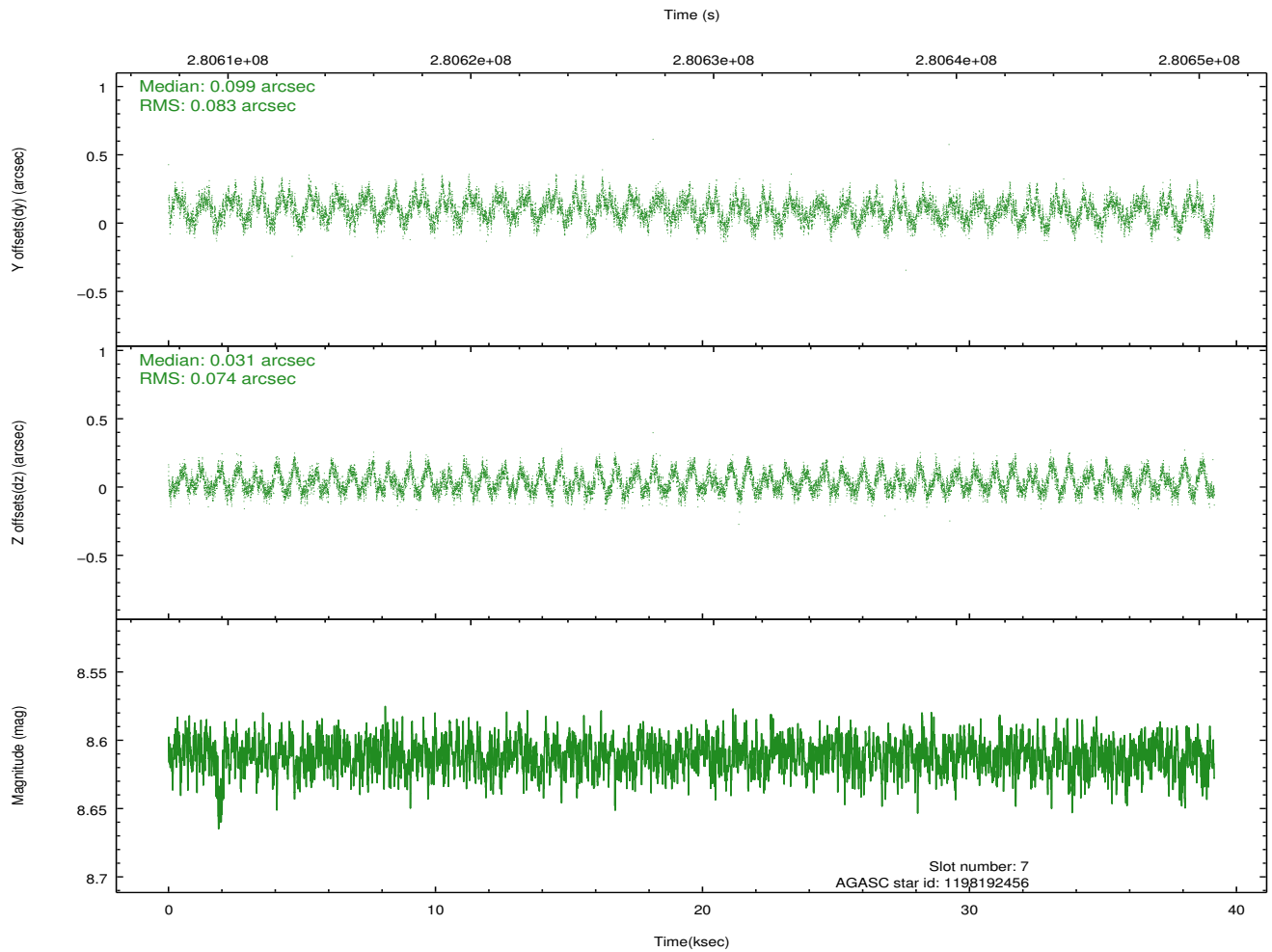
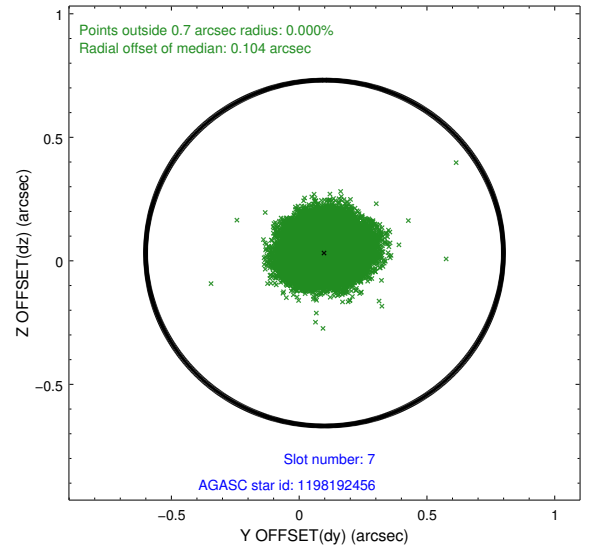
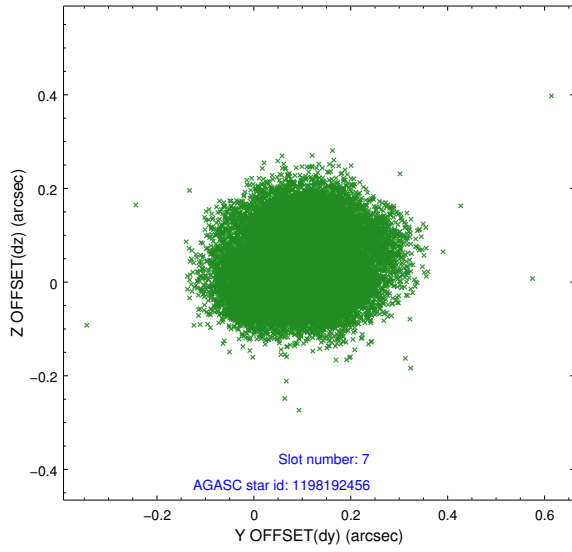
2.4.3 Slot 5



2.4.4 Slot 6

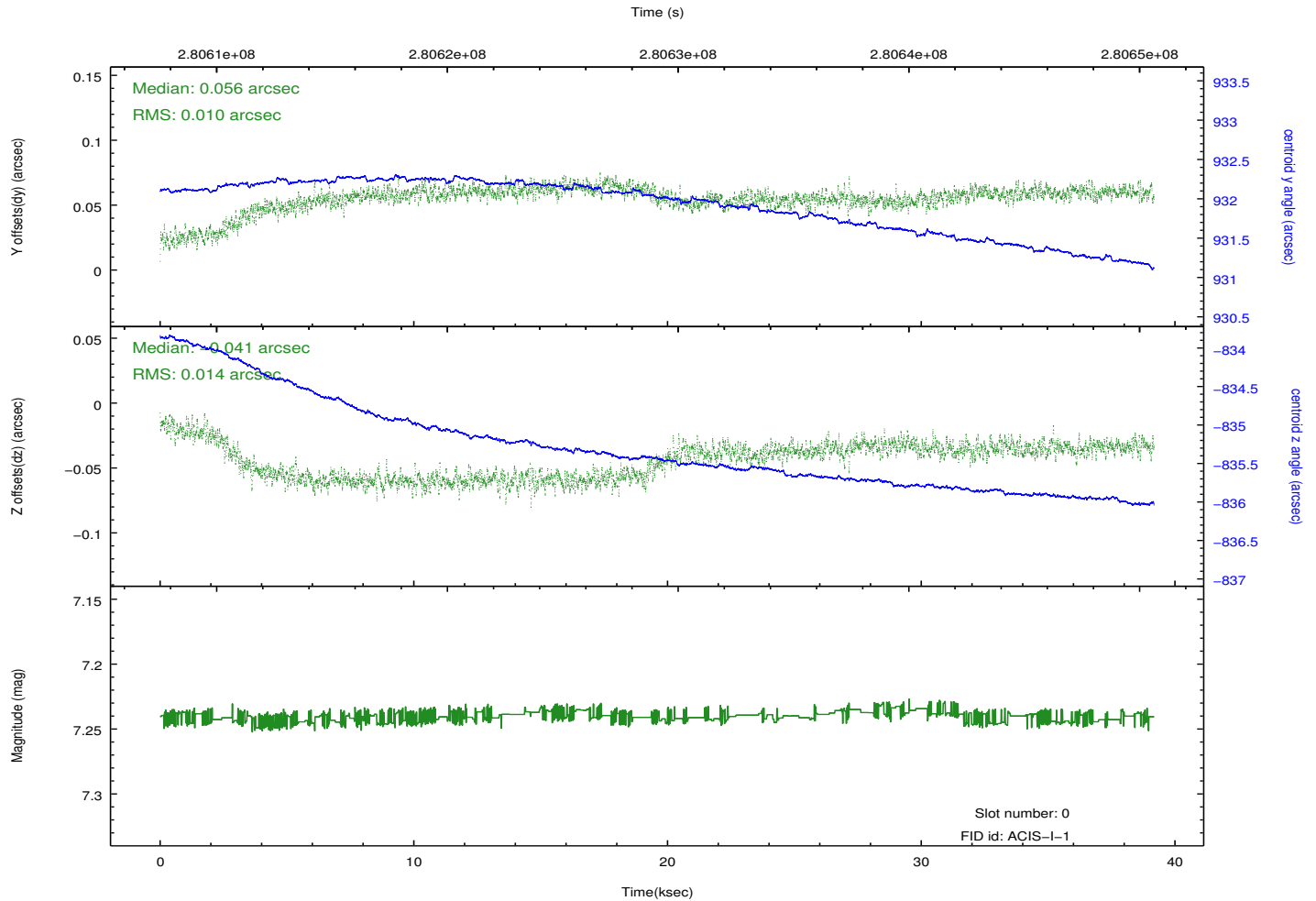
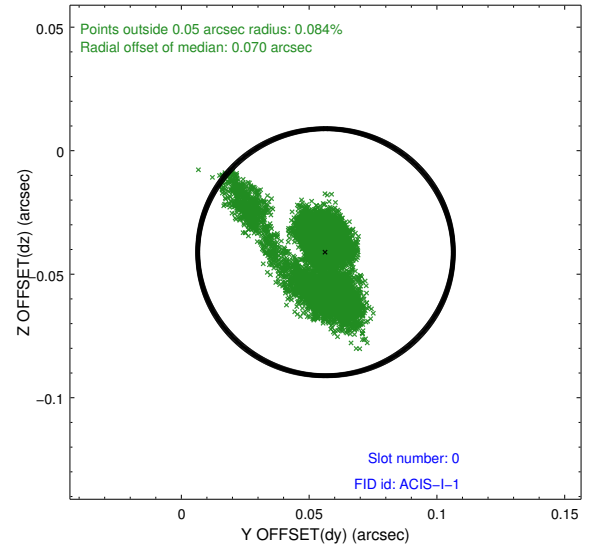
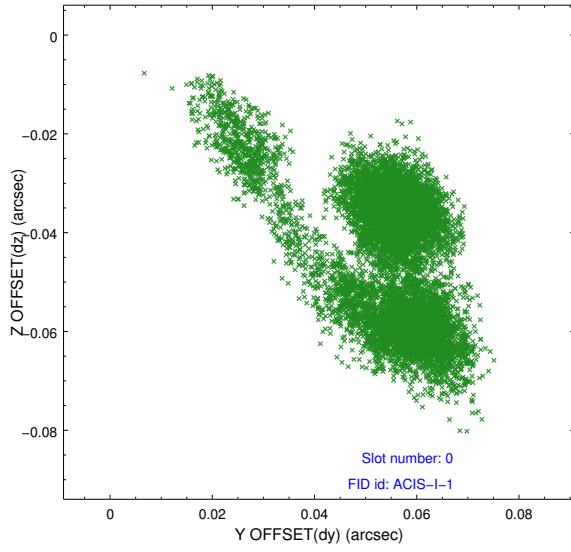


2.4.5 Slot 7

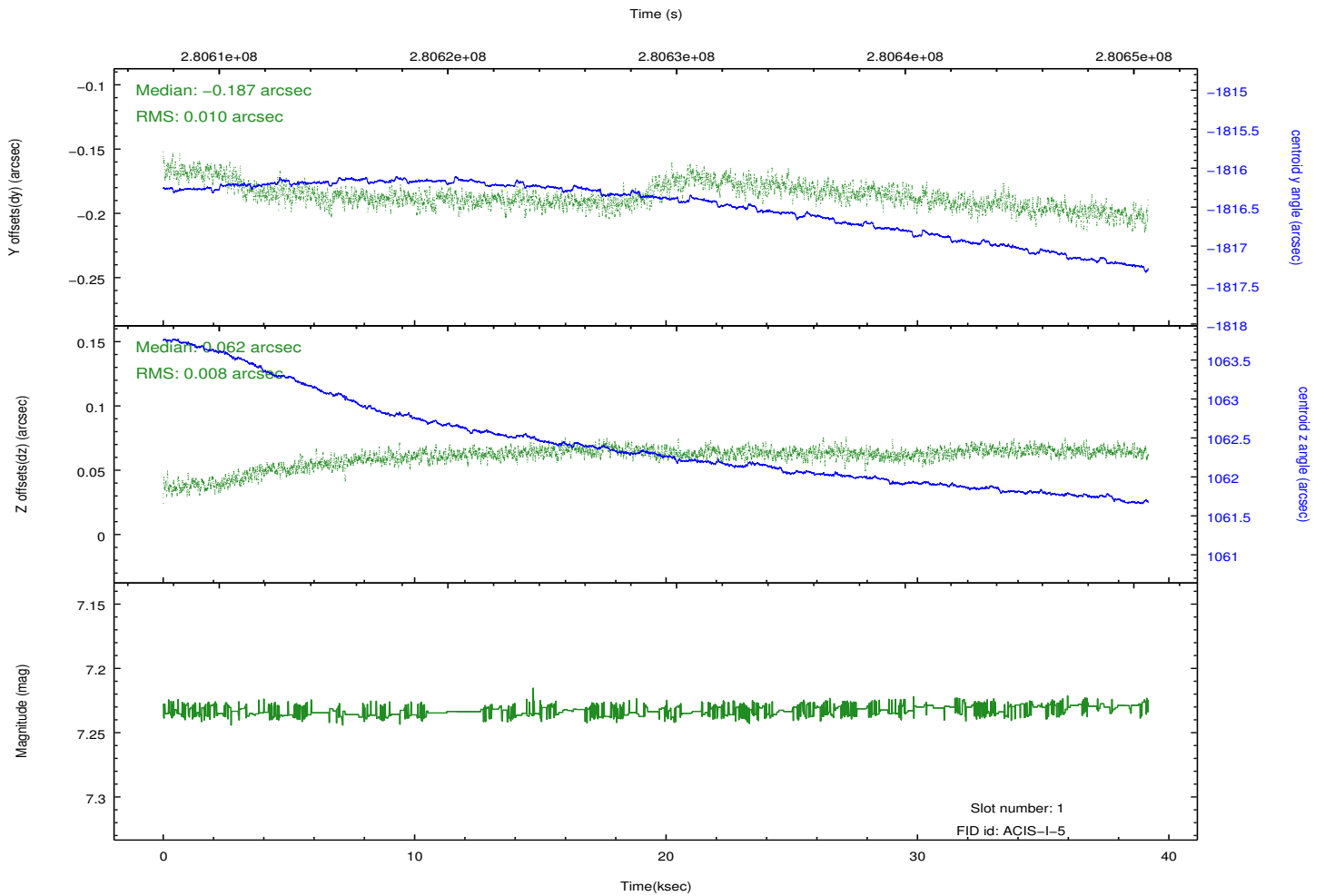
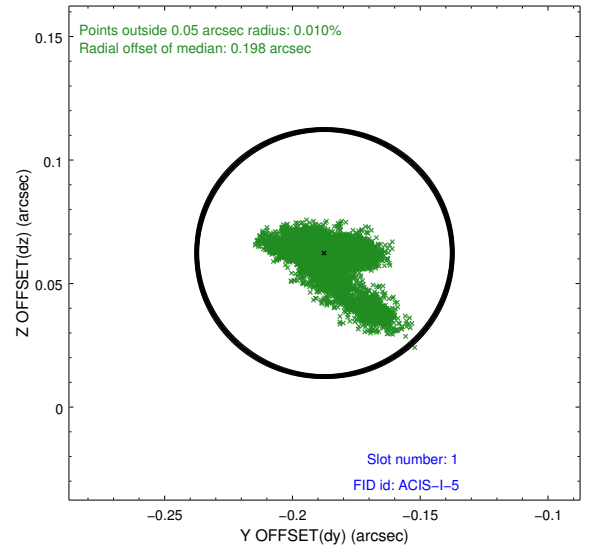
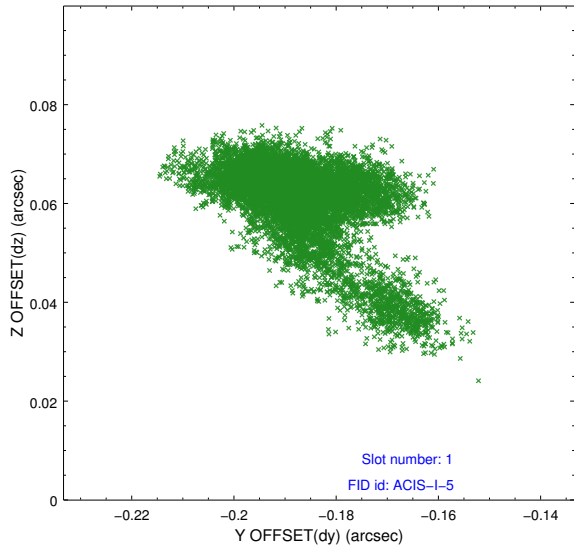


2.5 FID Slots

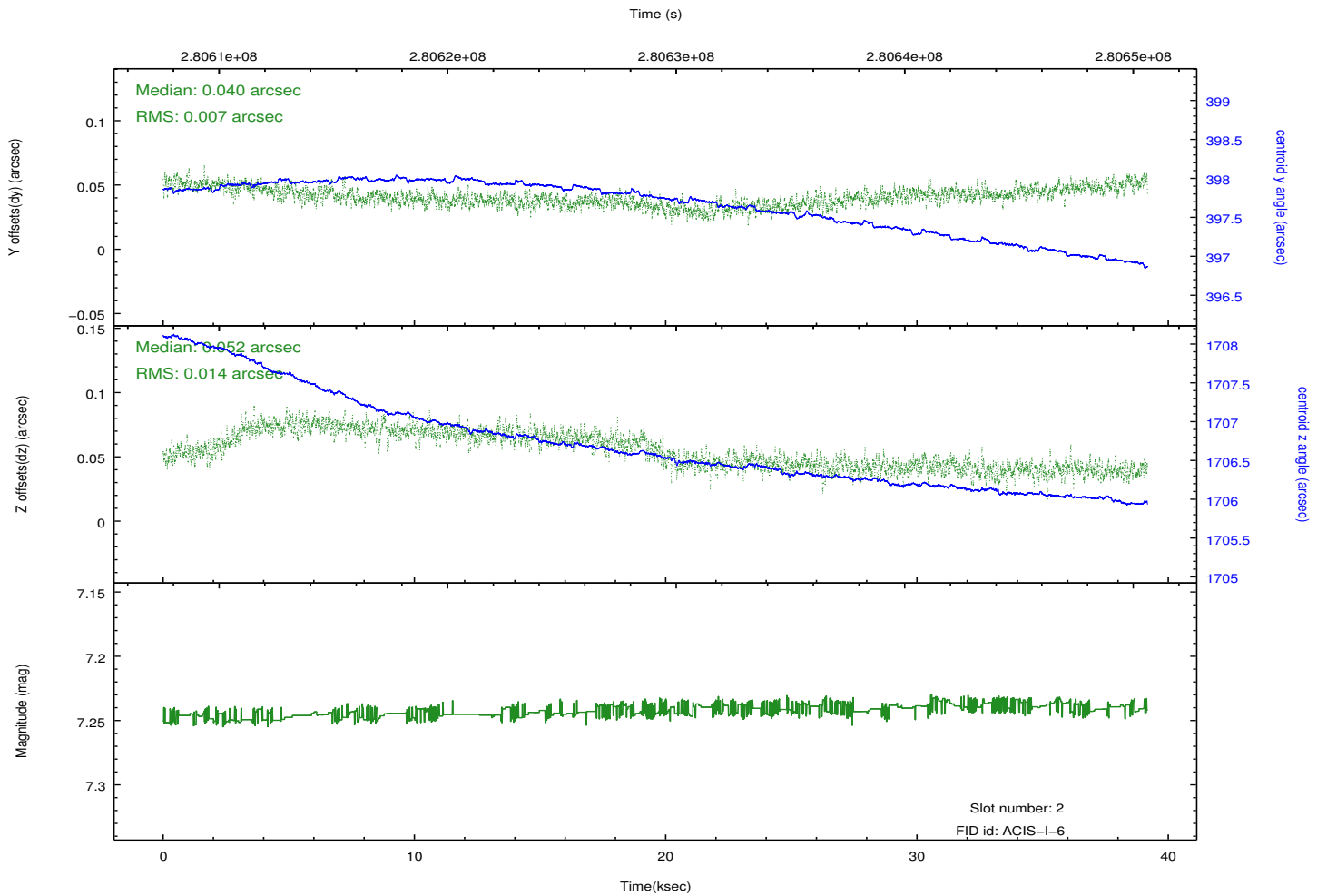
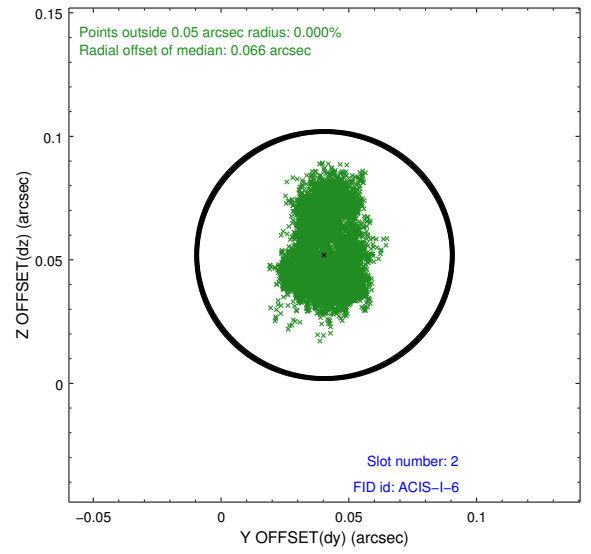
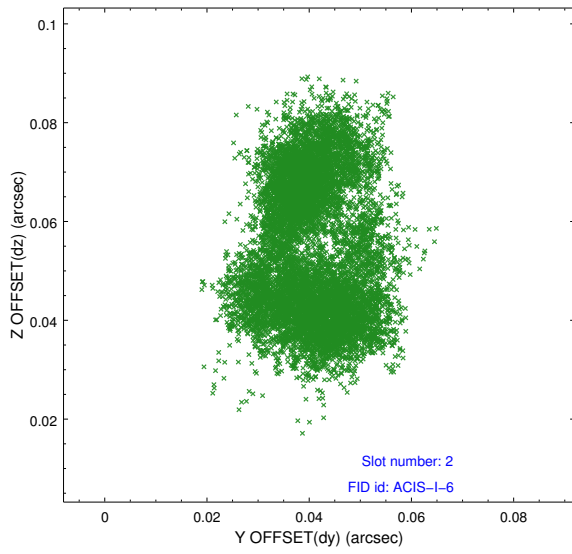
2.5.1 Slot 0



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)	2012.04.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	39.1647588

A.2 Comments