

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2188 - L2 Version 3
Chandra X-Ray Center

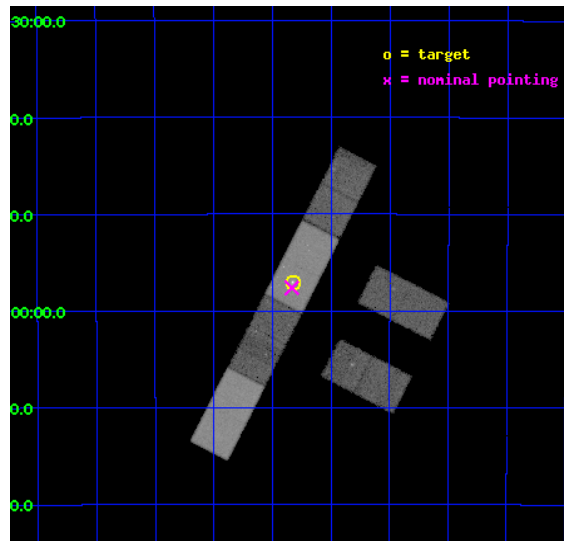
L2 Processing Date : Sep 26 2012

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1 Front

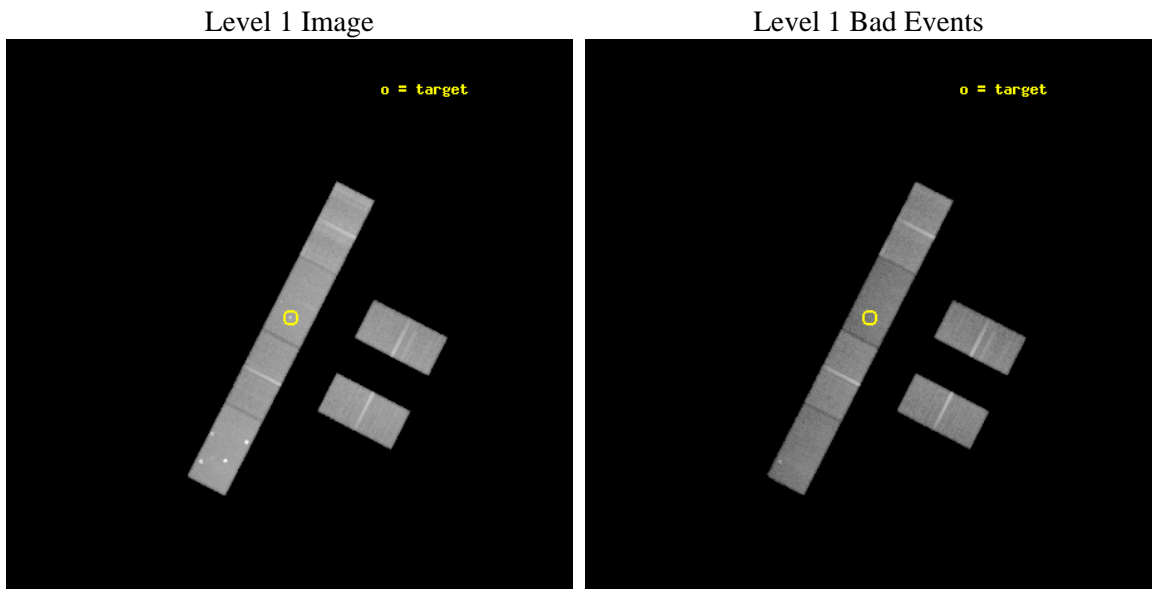
seq_num	700378	Sequence number
obs_id	2188	Observation id
title	USING CHANDRA TO ELUCIDATE THE STARBURST-AGN CONNECTION	Proposal t
observer	Dr. Nancy Levenson	Principal investigator
object	NGC 7130	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	327.08	Observer's specified target RA [deg]
dec_targ	-34.951056	Observer's specified target Dec [deg]
ra_nom	327.08344472958	Nominal RA [deg]
dec_nom	-34.960359724467	Nominal Dec [deg]
roll_nom	297.14549801755	Nominal Roll [deg]
revision	3	Processing version of data
ontime	39522.599934578	Sum of GTIs [s]
livetime	38641.572090905	Livetime [s]
ontime2	39522.599934578	Sum of GTIs [s]
ontime3	39520.758954391	Sum of GTIs [s]
ontime5	39522.599934578	Sum of GTIs [s]
ontime6	39522.599934578	Sum of GTIs [s]
ontime7	39522.599934578	Sum of GTIs [s]
ontime8	39522.599934578	Sum of GTIs [s]
l2events	244423	Number of level 2 events



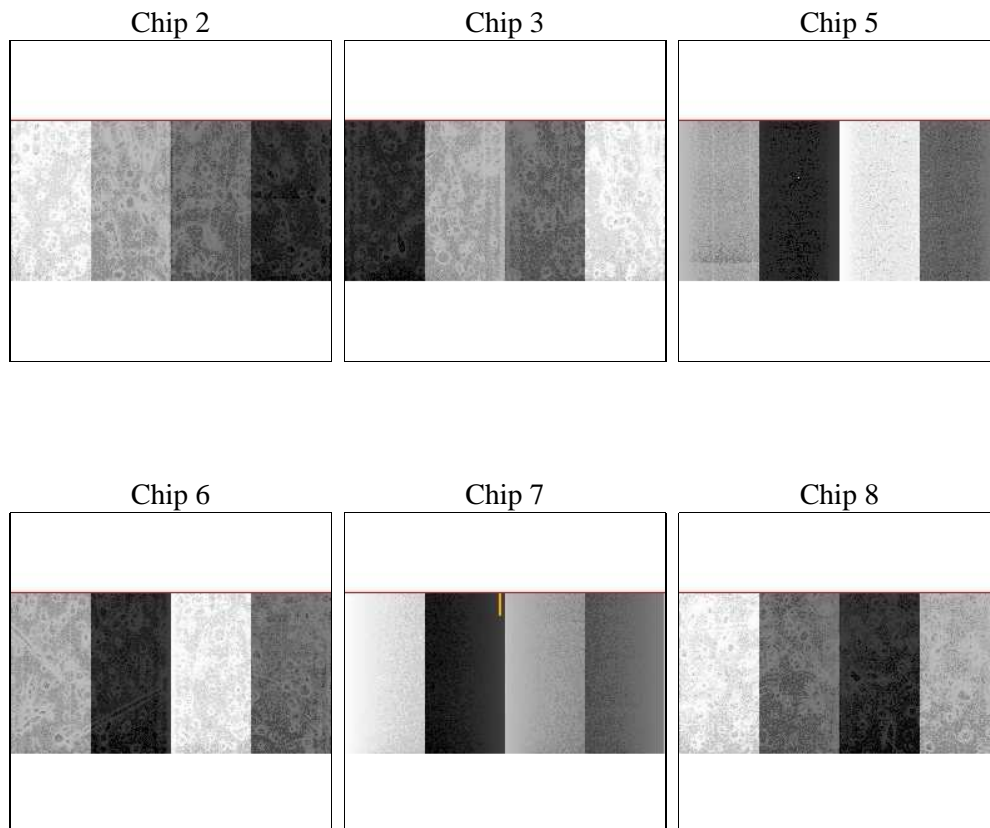
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	39300.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	39522.599934578	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime2	39522.599934578	Sum of GTIs [s]
date	2012-09-26T03:04:00	Date and time of file creation	ontime3	39520.758954391	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	39522.599934578	Sum of GTIs [s]
			ontime6	39522.599934578	Sum of GTIs [s]
			ontime7	39522.599934578	Sum of GTIs [s]
			ontime8	39522.599934578	Sum of GTIs [s]
			l1events	1127549	Number of level 1 events

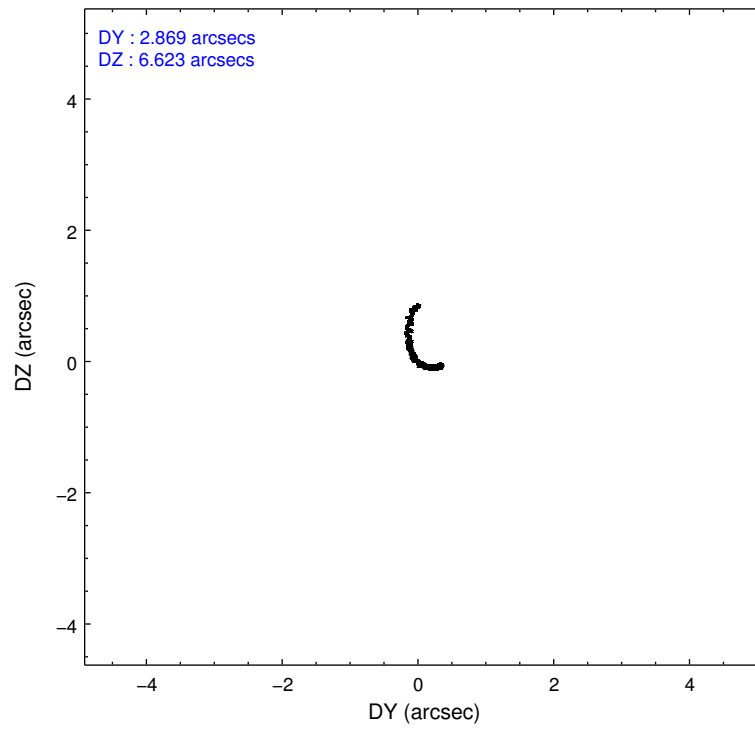
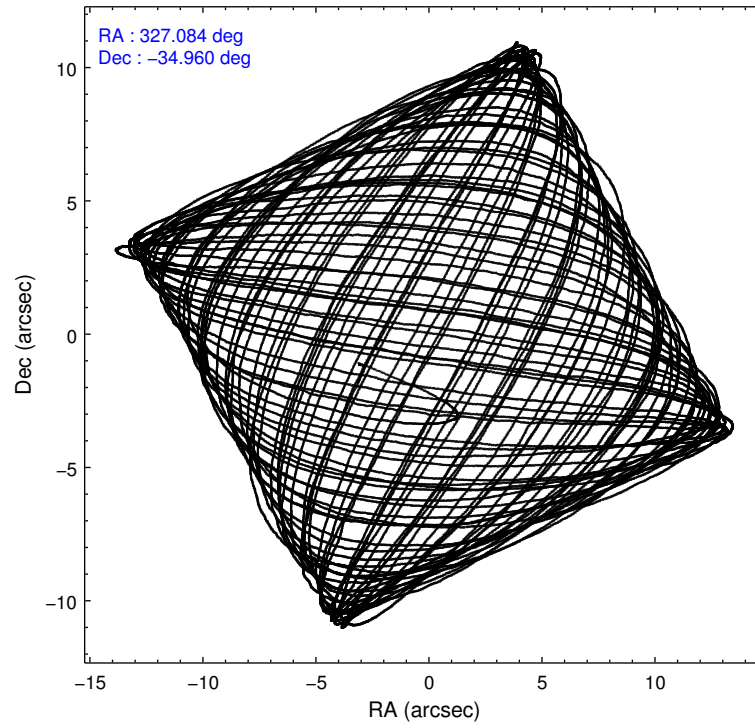
2.1.4 Events

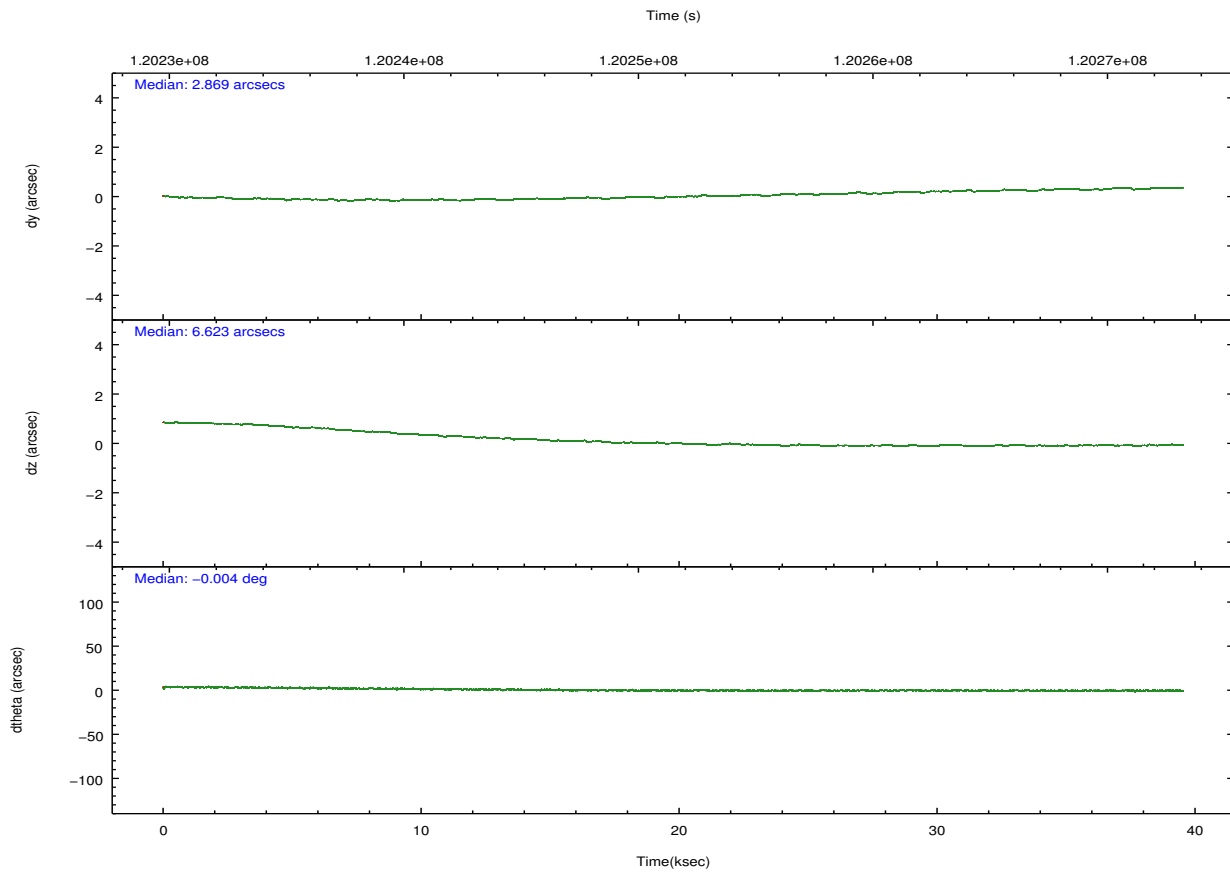
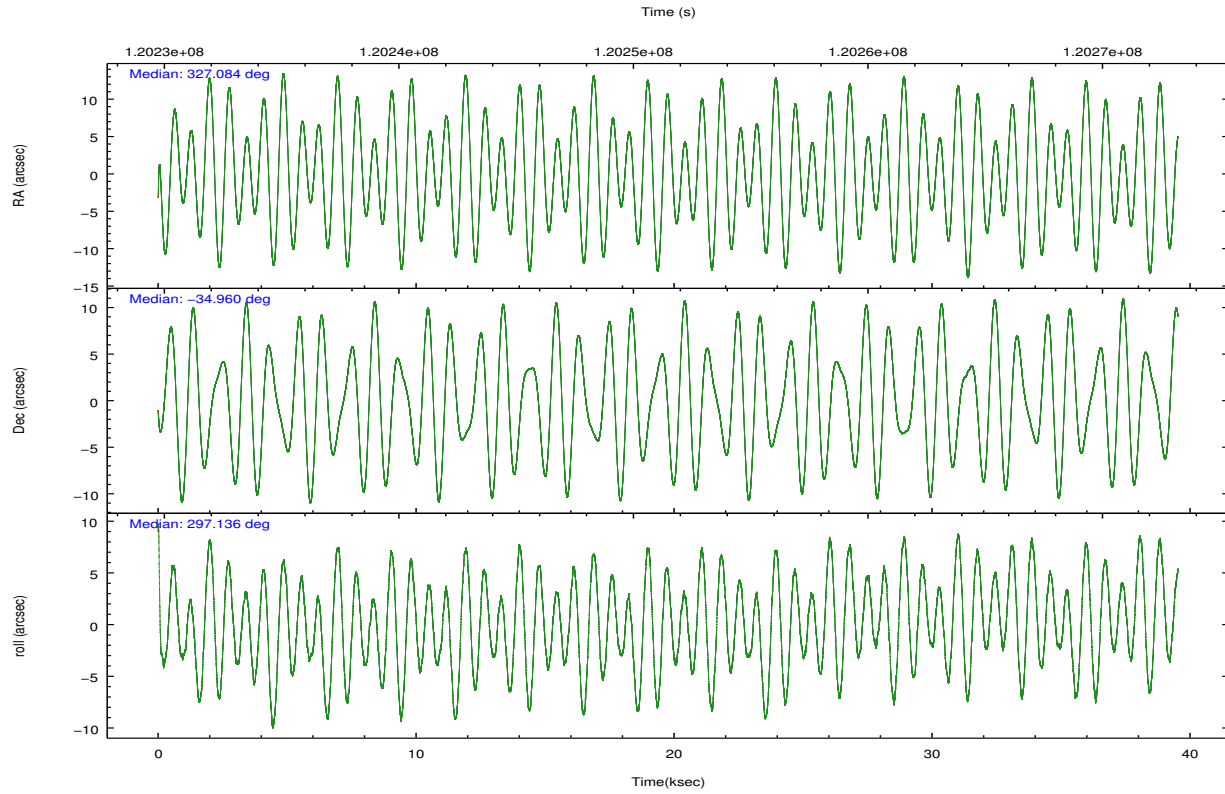
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	173500	160157	222991	164681	180547	225673	grade 0 events	9661	8851	35639	9116	10380	21752
rejected events	152272	140391	99494	143937	94767	161255		5%	5%	15%	5%	5%	9%
rejected %	87%	87%	44%	87%	52%	71%	grade 1 events	66	60	344	64	199	153
								0%	0%	0%	0%	0%	0%
							grade 2 events	4244	3746	32938	4022	18448	11787
								2%	2%	14%	2%	10%	5%
							grade 3 events	2001	2016	5425	2119	8515	8696
								1%	1%	2%	1%	4%	3%
							grade 4 events	2212	1971	5143	2092	8292	7776
								1%	1%	2%	1%	4%	3%
							grade 5 events	4457	4760	14950	5296	15856	7068
								2%	2%	6%	3%	8%	3%
							grade 6 events	3216	3264	45026	3481	40579	14841
								1%	2%	20%	2%	22%	6%
							grade 7 events	147643	135489	83526	138491	78278	153600
								85%	84%	37%	84%	43%	68%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	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	327.055309	327.0834447295804	Subarray requested	CUSTOM	1/2
[deg] Pointing Dec	-34.945841	-34.96035972446724	Subarray start row	257	257
[deg] Pointing Roll	296.972745	297.1454980175453	Subarray row count	512	512
[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	1.8
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	120231943.184000	120230968.30956			
Observation start date	2001-10-23T13:44:39	2001-10-23T13:29:28			
[s] Observation end time (MET)	120271243.184000	120271870.42369			
Observation end date	2001-10-24T00:39:39	2001-10-24T00:51:10			
Read mode	TIMED	TIMED			

2.3 Aspect



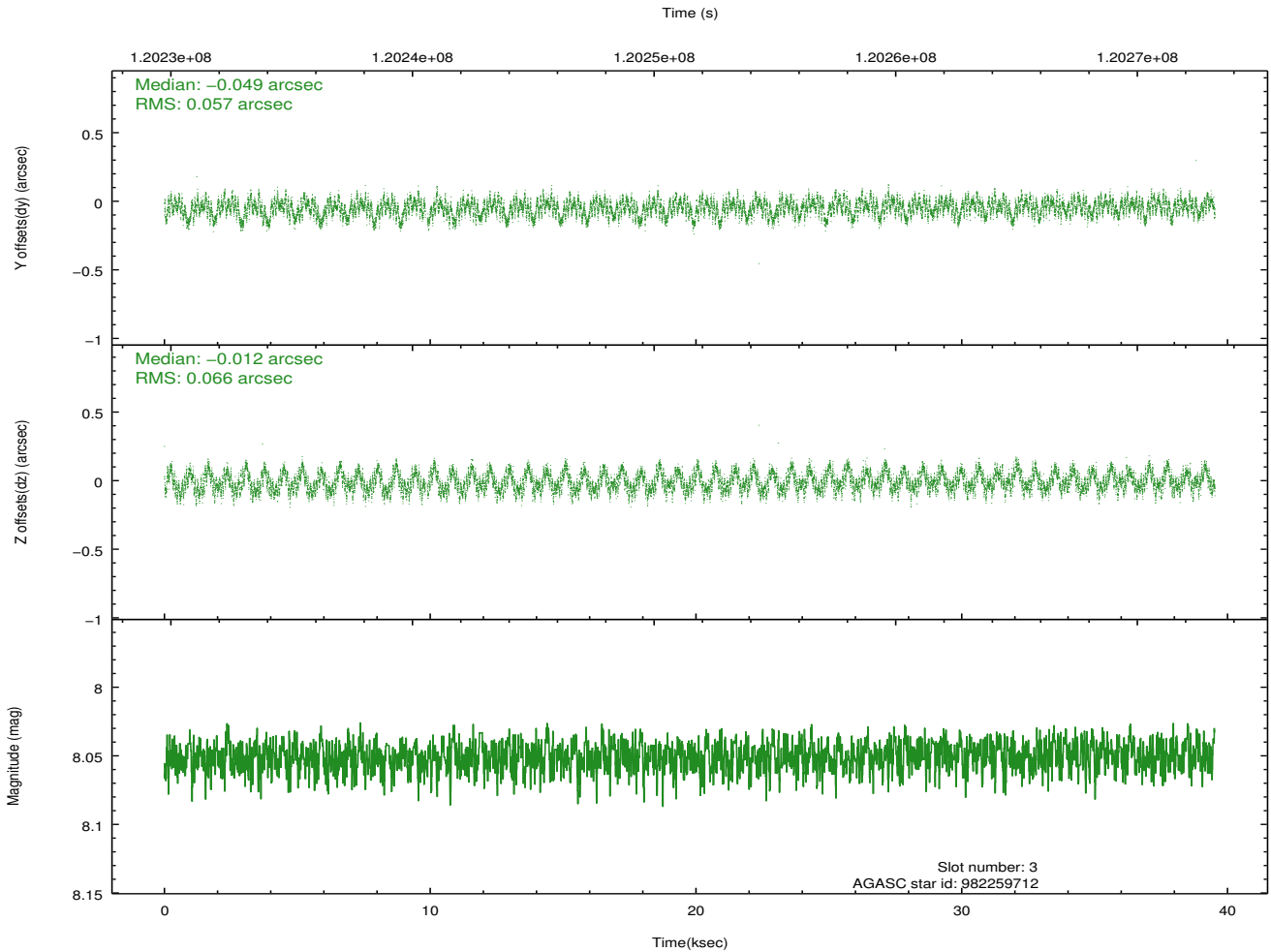
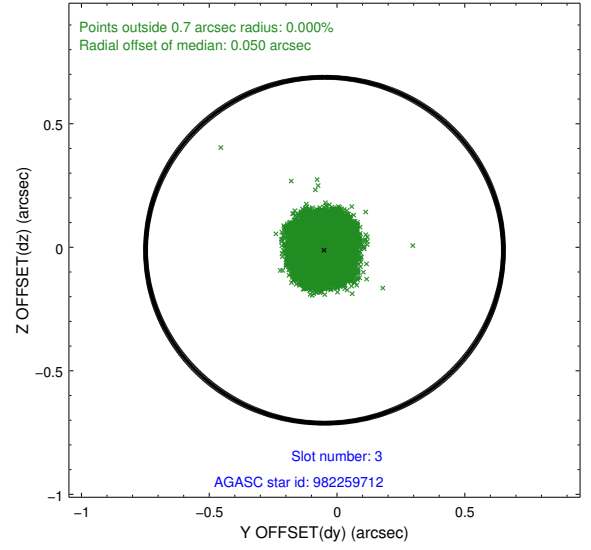
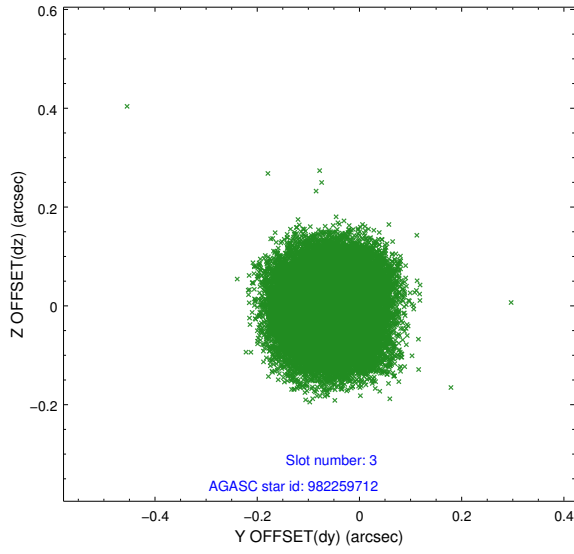


Slot Statistics

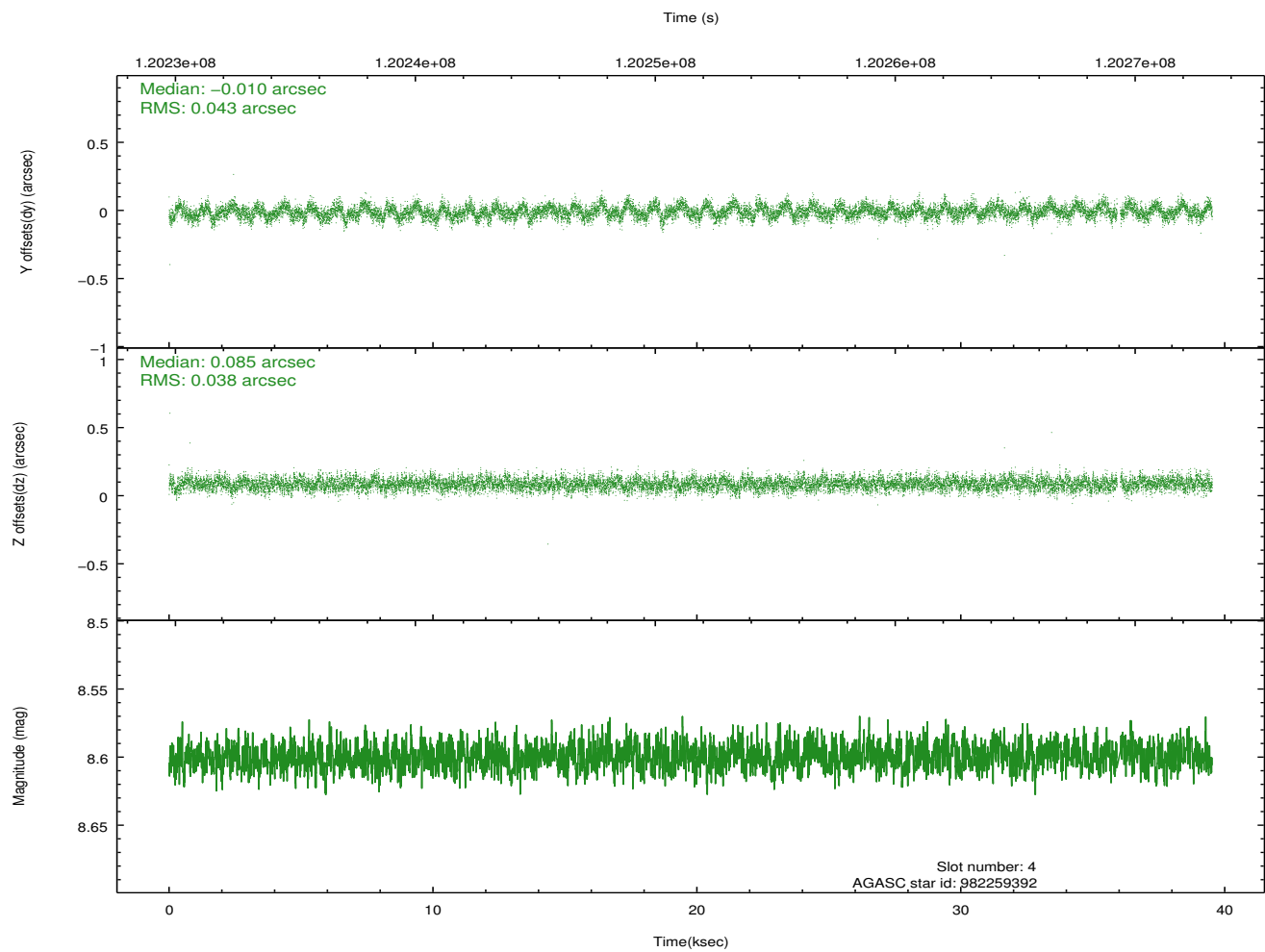
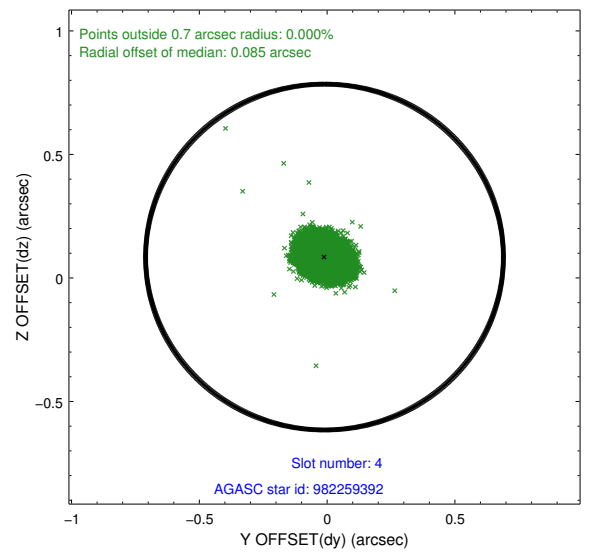
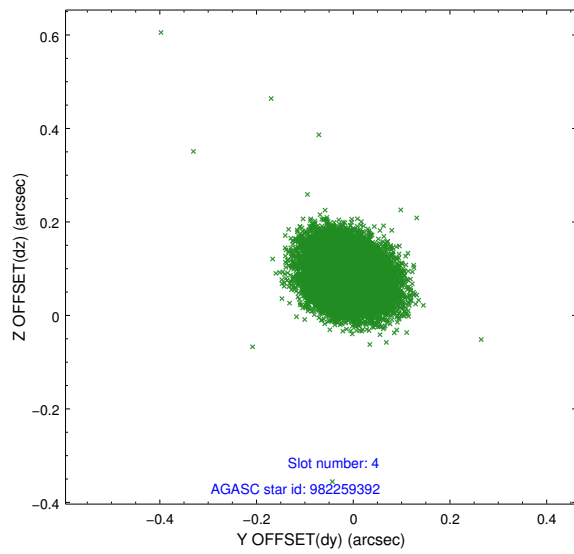
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-3	7.36	9642	-0.089	-0.081	0.011	0.019	0.000000	0.000000	57.54	-1857.09
1	FID	ACIS-S-4	7.20	9641	-0.004	0.085	0.018	0.026	0.000000	0.000000	2157.80	180.57
2	FID	ACIS-S-5	7.24	9642	0.064	0.006	0.010	0.018	0.000000	0.000000	-1808.31	174.24
3	GUIDE	982259712	8.05	19239	-0.049	-0.012	0.097	0.141	327.965600	-35.034104	1510.28	2241.70
4	GUIDE	982259392	8.60	19218	-0.010	0.085	0.061	0.099	327.178282	-35.201108	982.92	-94.44
5	GUIDE	982259848	8.67	19273	0.094	0.062	0.064	0.103	327.319474	-35.485211	2082.38	-190.94
6	GUIDE	982131928	8.86	19270	0.107	-0.213	0.090	0.143	326.702001	-35.707238	1976.25	-2164.82
7	GUIDE	981741024	9.17	19272	-0.141	0.072	0.106	0.178	326.757310	-34.684800	-1236.89	-361.10

2.4 Star Slots

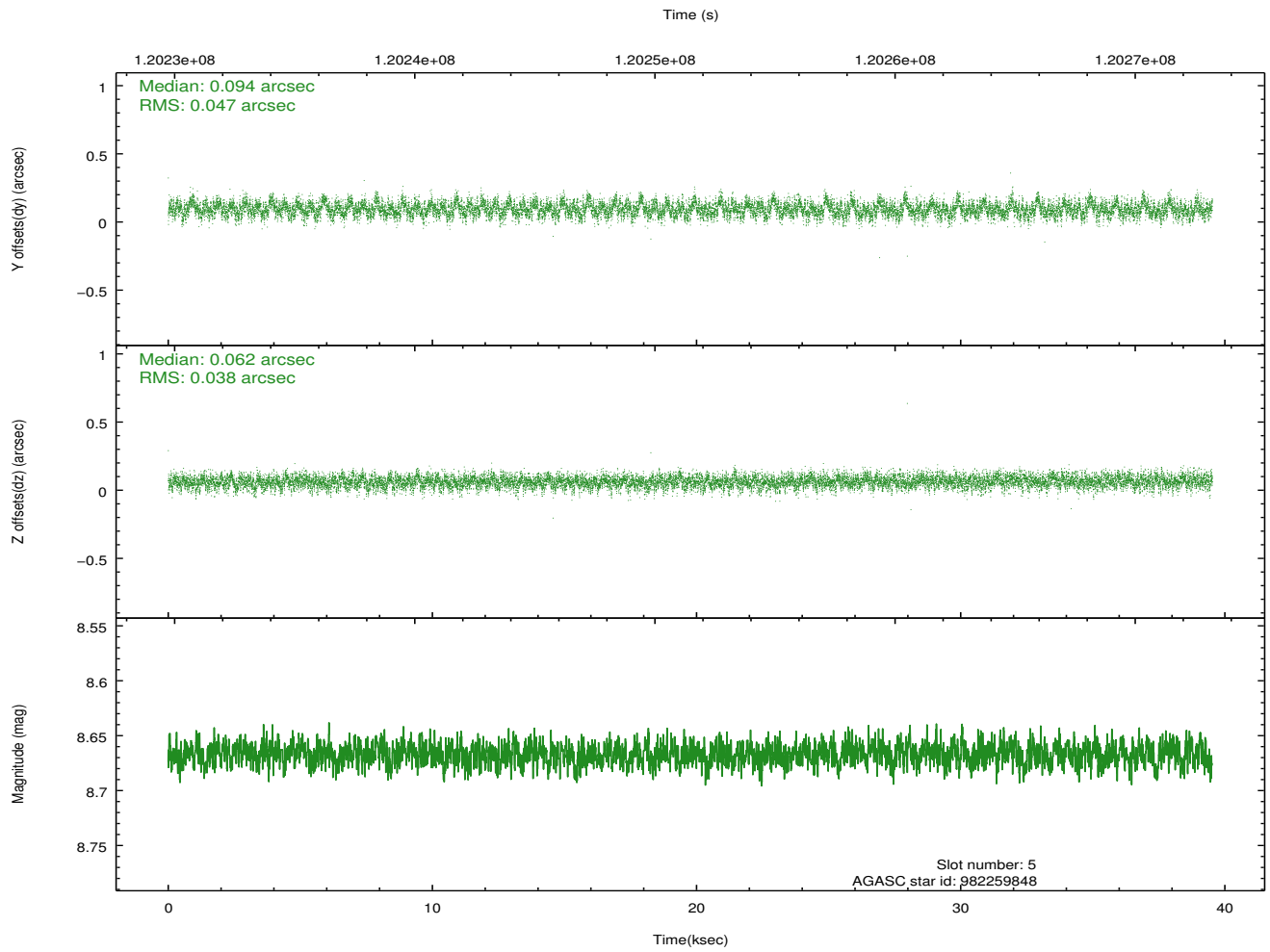
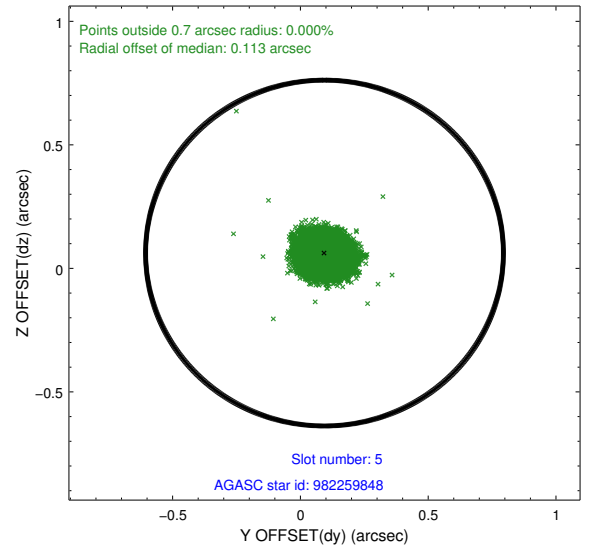
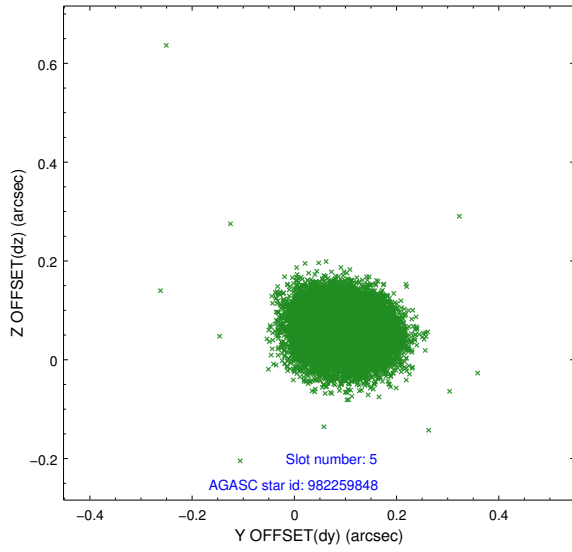
2.4.1 Slot 3



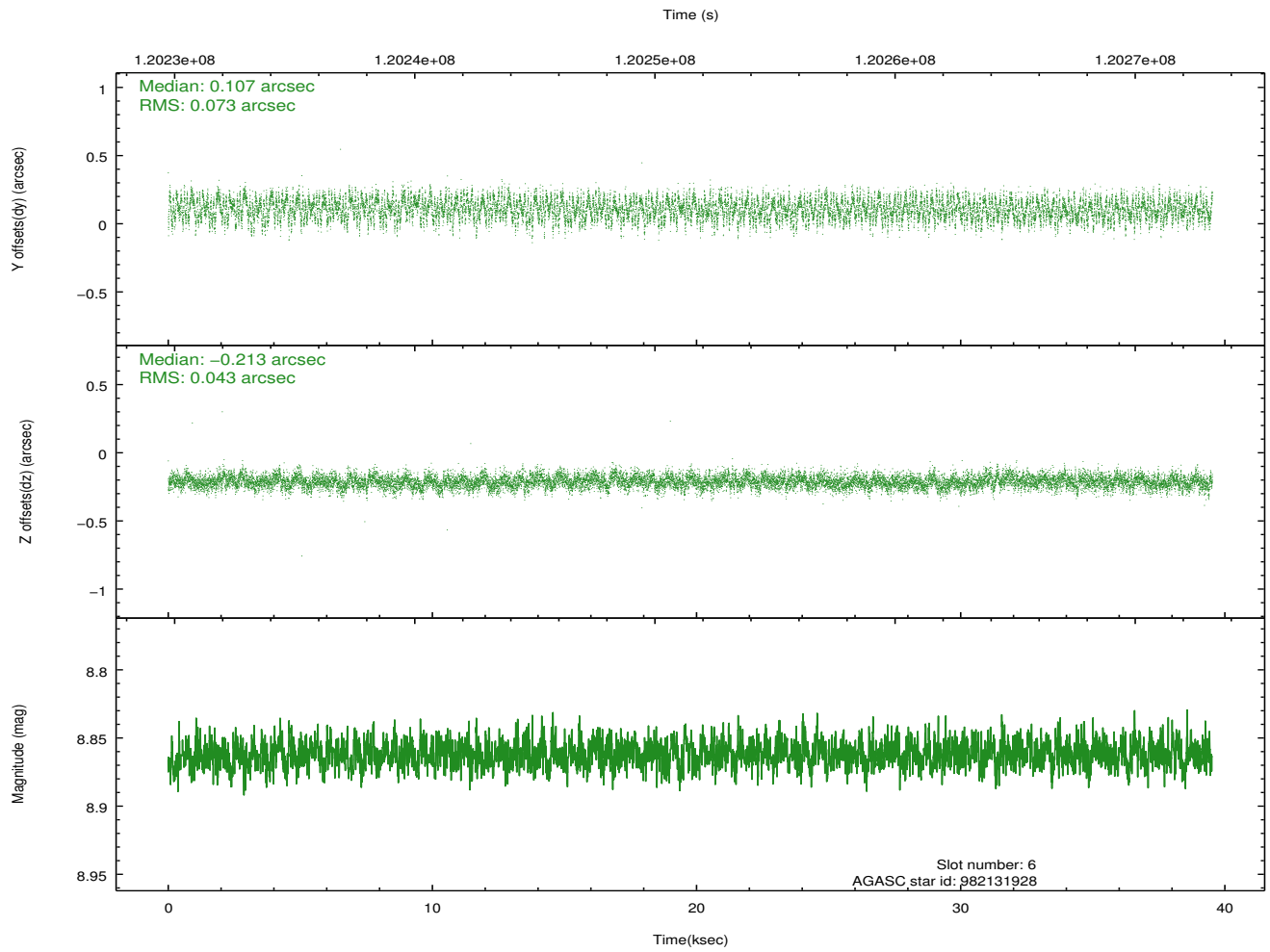
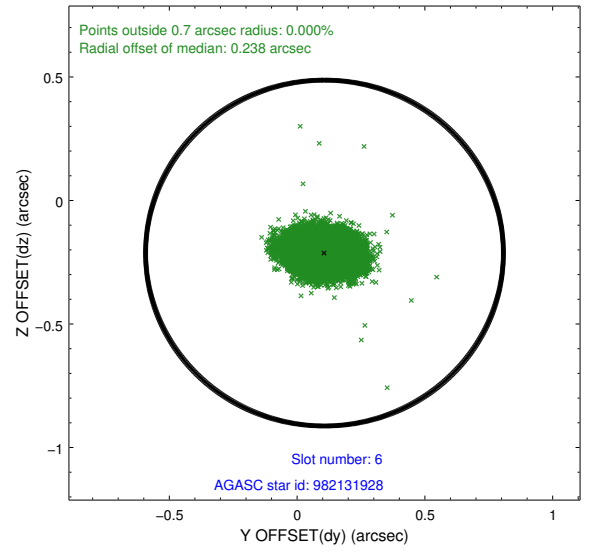
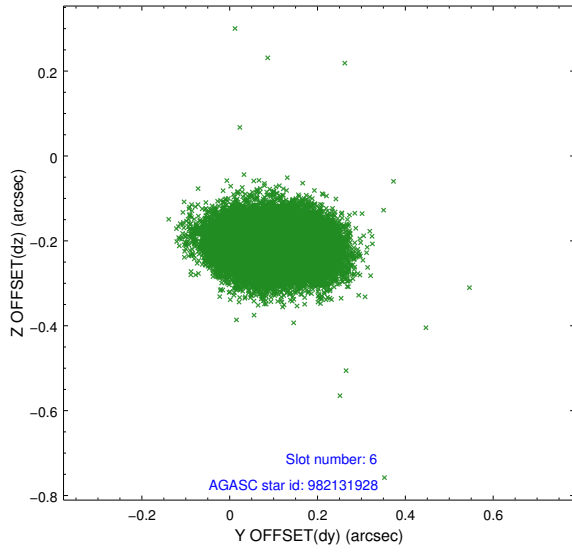
2.4.2 Slot 4



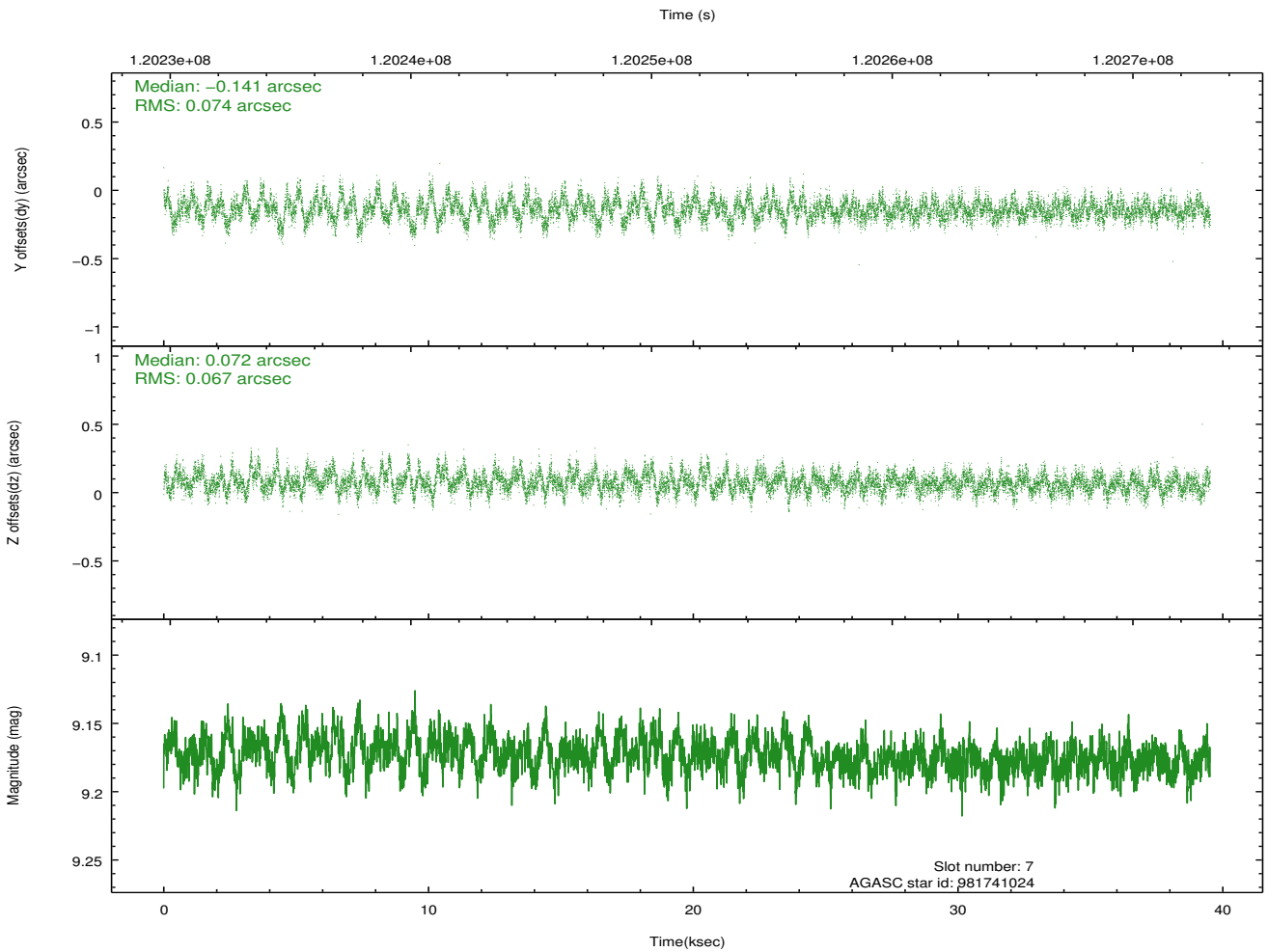
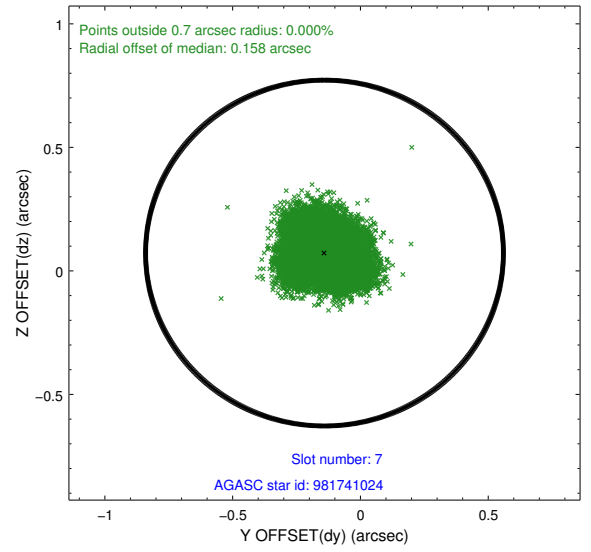
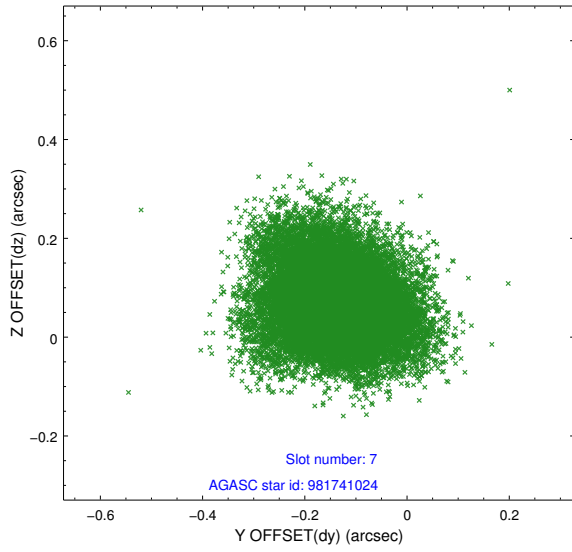
2.4.3 Slot 5



2.4.4 Slot 6

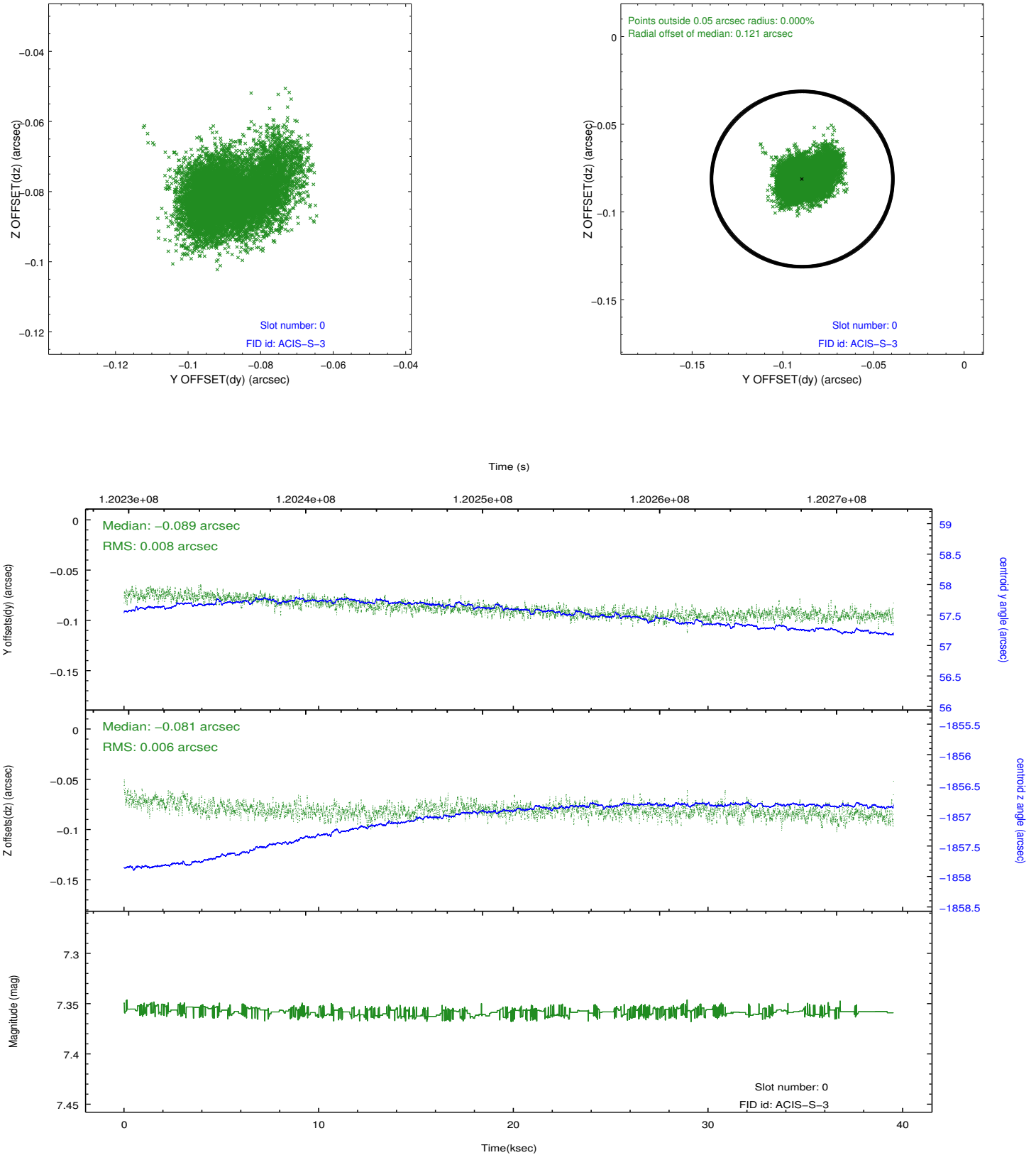


2.4.5 Slot 7

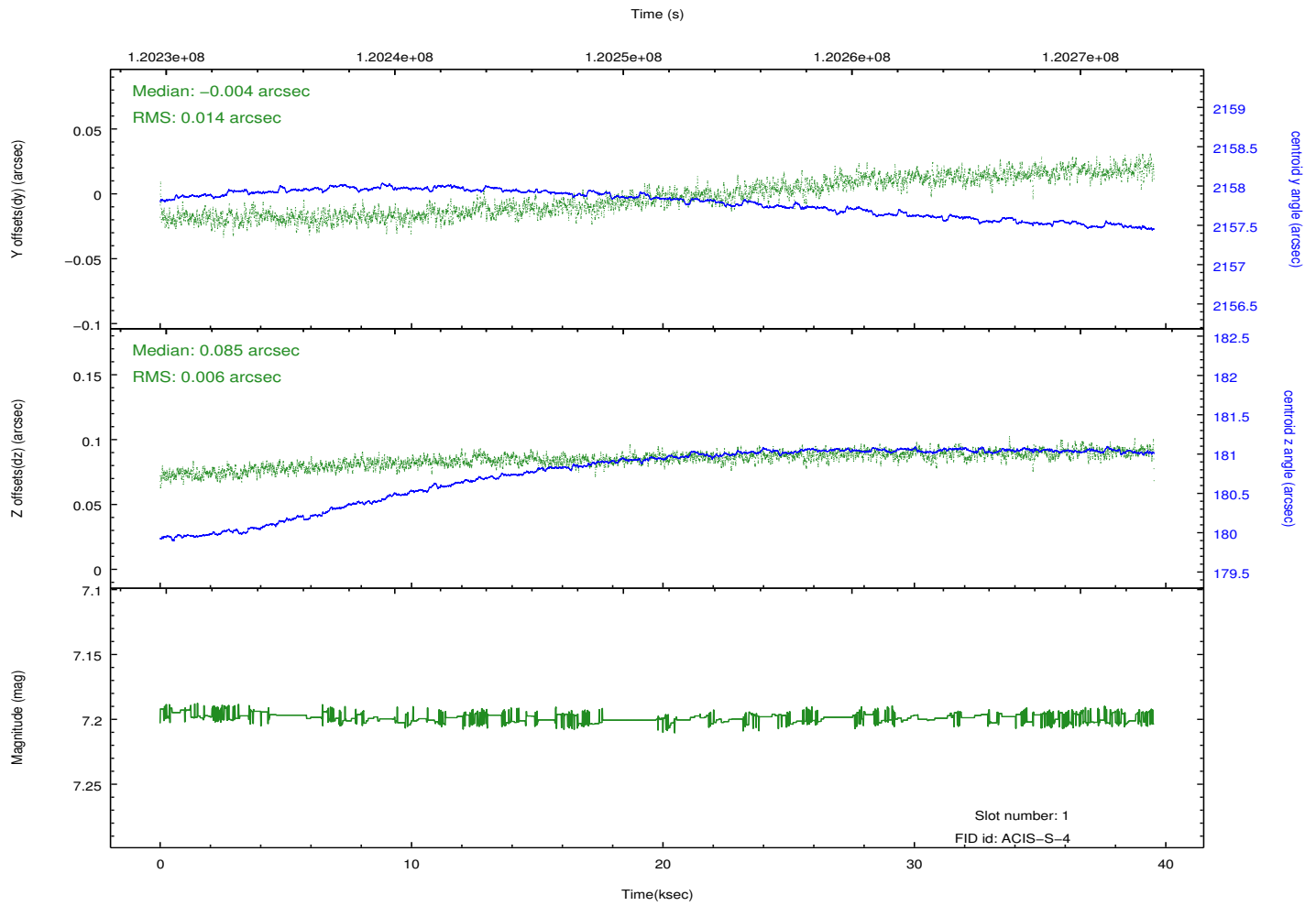
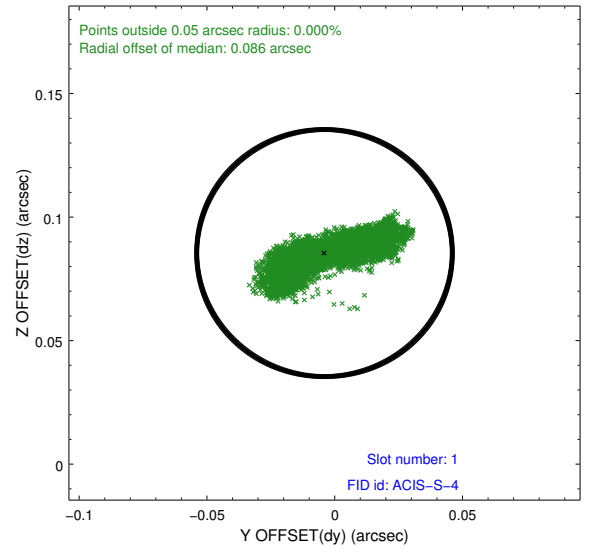
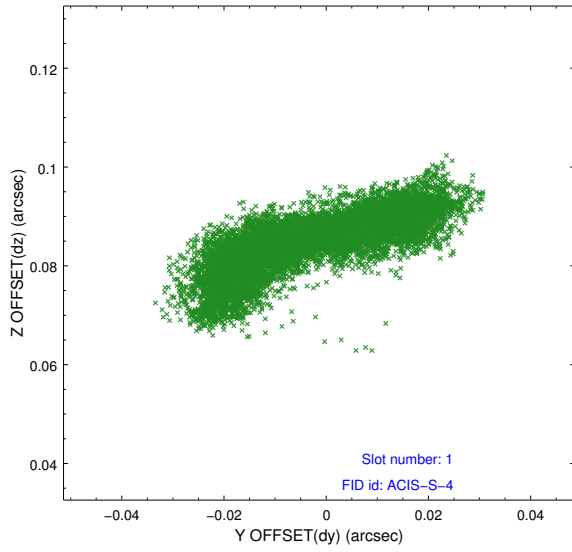


2.5 FID Slots

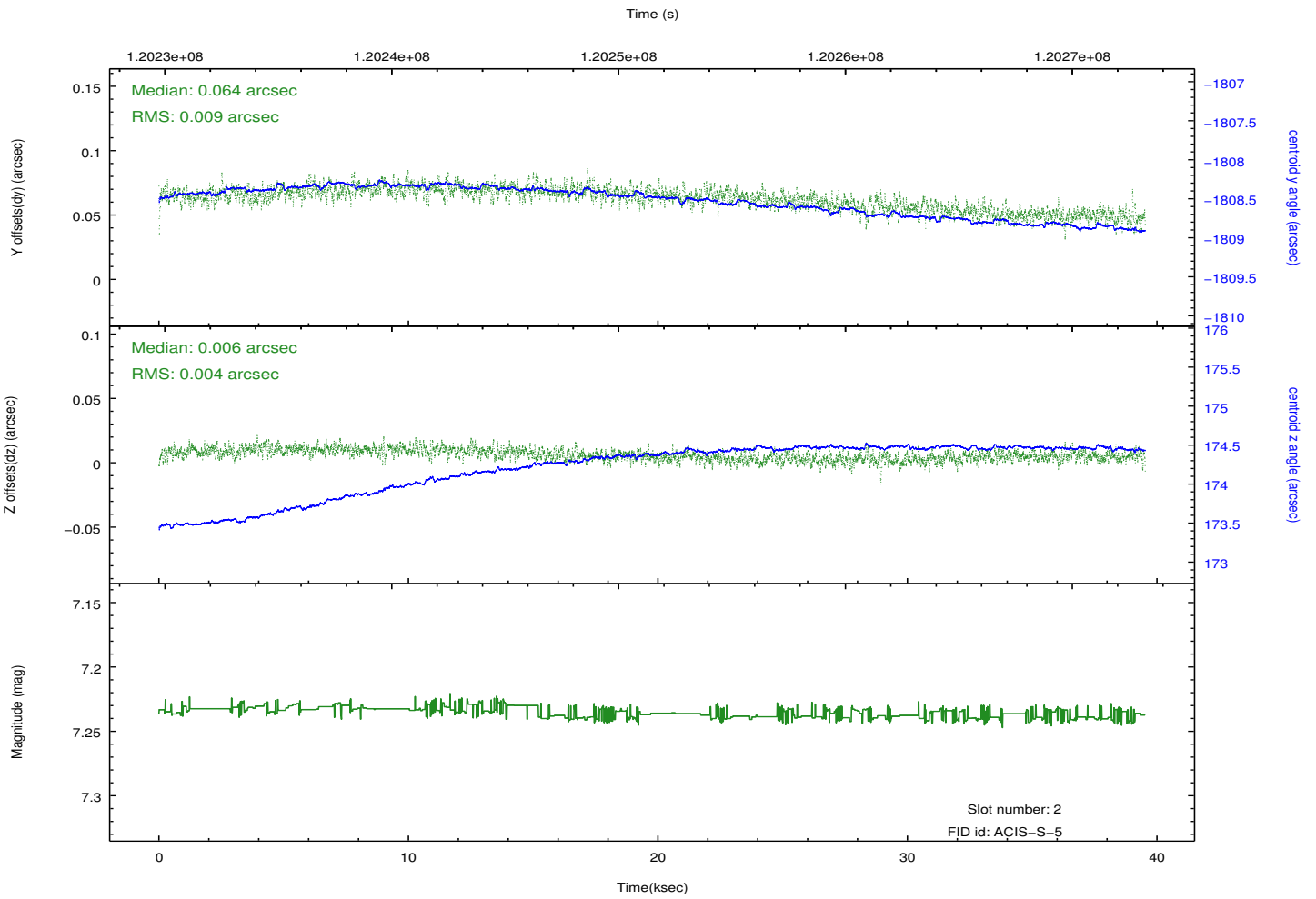
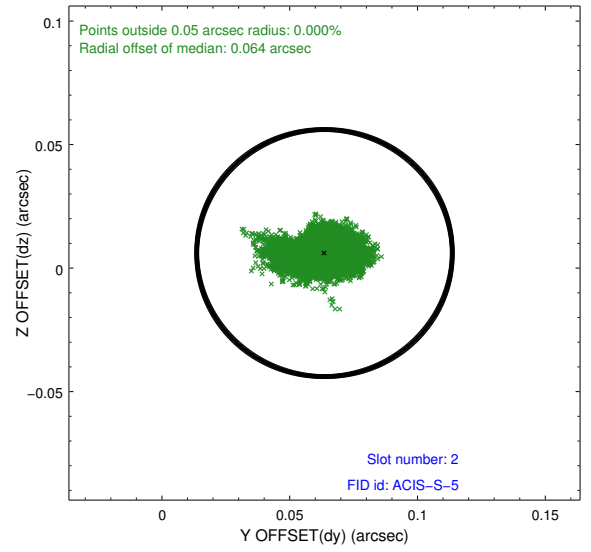
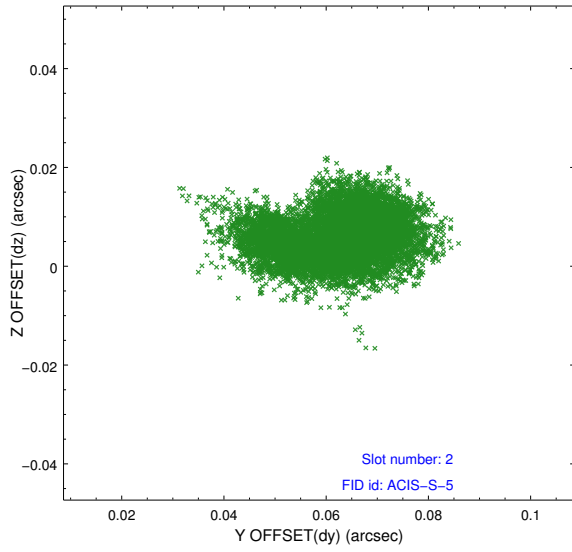
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.09.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	39.522

A.2 Comments