

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2055 - L2 Version 3
Chandra X-Ray Center

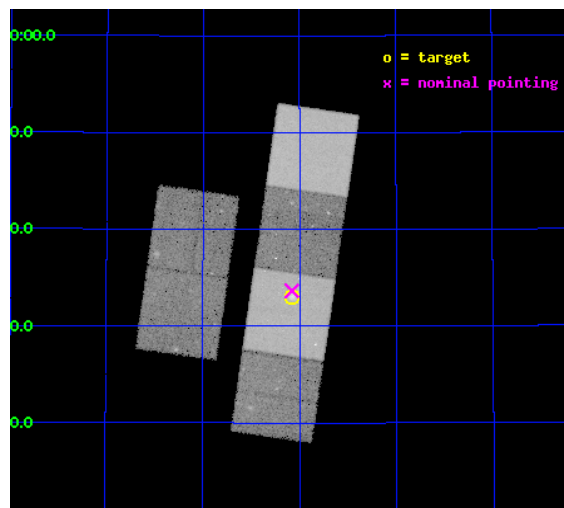
L2 Processing Date : Sep 20 2012

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1 Front

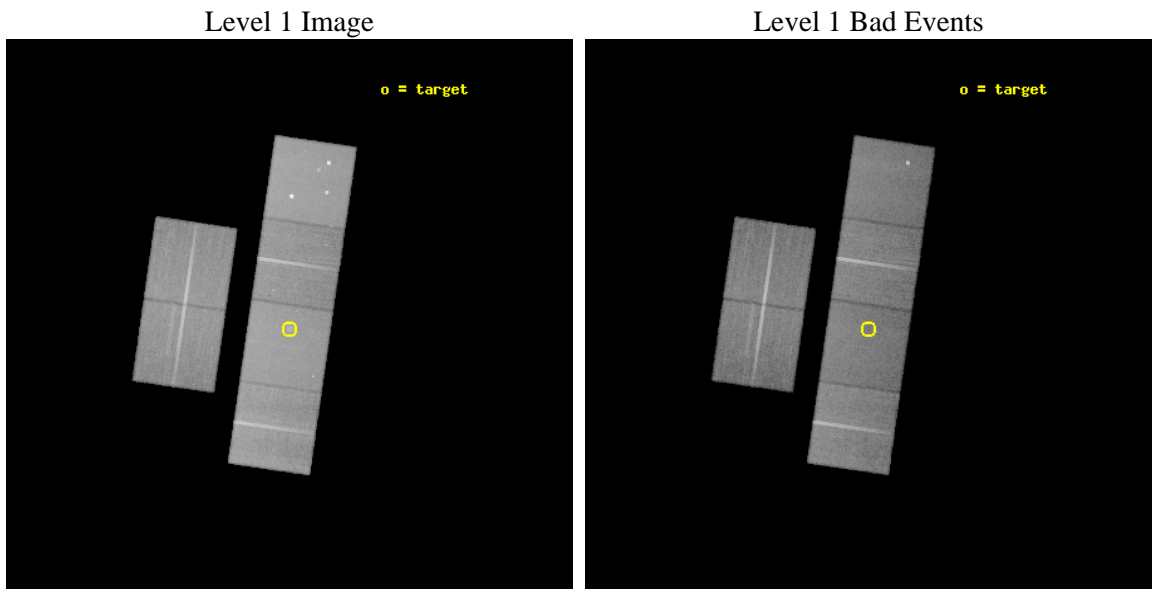
seq_num	600189	Sequence number
obs_id	2055	Observation id
title	THE X-RAY POINT SOURCE POPULATION IN SPIRAL GALAXIES	Proposal titl
observer	Dr Andrea Prestwich	Principal investigator
object	NGC 278	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	13.019167	Observer's specified target RA [deg]
dec_targ	47.551111	Observer's specified target Dec [deg]
ra_nom	13.019682101435	Nominal RA [deg]
dec_nom	47.560872579316	Nominal Dec [deg]
roll_nom	98.260718372771	Nominal Roll [deg]
revision	3	Processing version of data
ontime	38748.383925796	Sum of GTIs [s]
livetime	38257.728557051	Livetime [s]
ontime2	38745.184115231	Sum of GTIs [s]
ontime3	38748.260915488	Sum of GTIs [s]
ontime5	38748.34299548	Sum of GTIs [s]
ontime6	38745.060965329	Sum of GTIs [s]
ontime7	38748.383925796	Sum of GTIs [s]
ontime8	38748.219875485	Sum of GTIs [s]
l2events	395705	Number of level 2 events



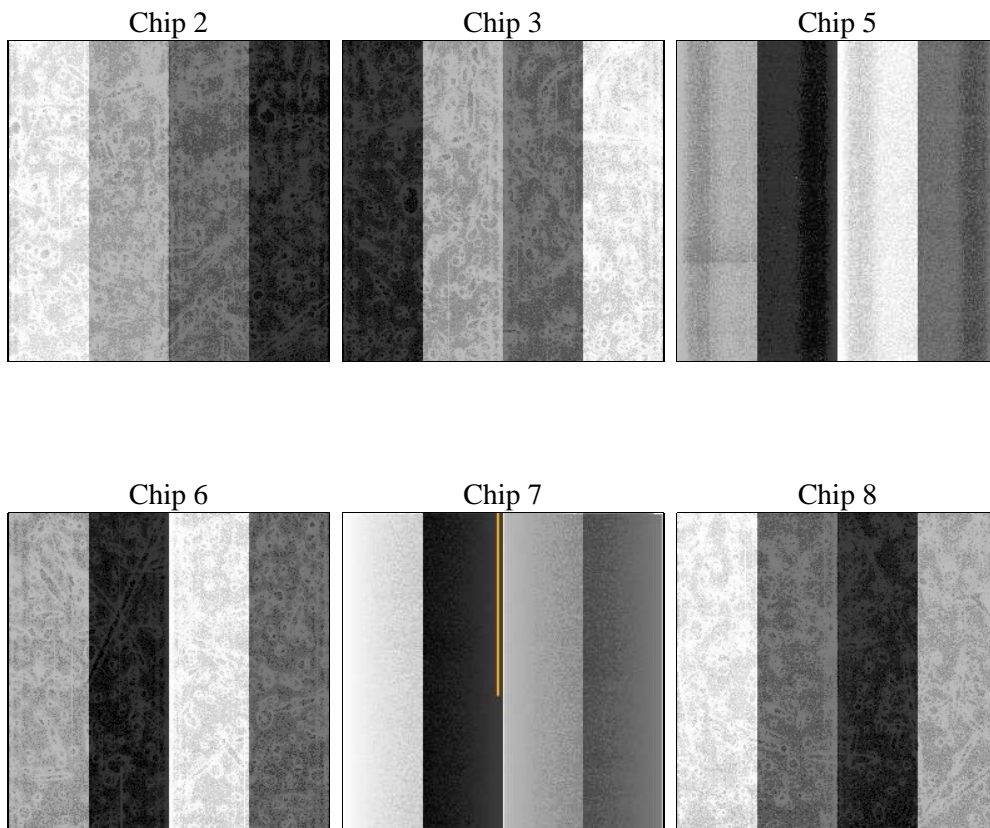
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	38705.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	38748.383925796	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime2	38745.184115231	Sum of GTIs [s]
date	2012-09-20T06:44:04	Date and time of file creation	ontime3	38748.260915488	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	38748.34299548	Sum of GTIs [s]
			ontime6	38745.060965329	Sum of GTIs [s]
			ontime7	38748.383925796	Sum of GTIs [s]
			ontime8	38748.219875485	Sum of GTIs [s]
			l1events	1803550	Number of level 1 events

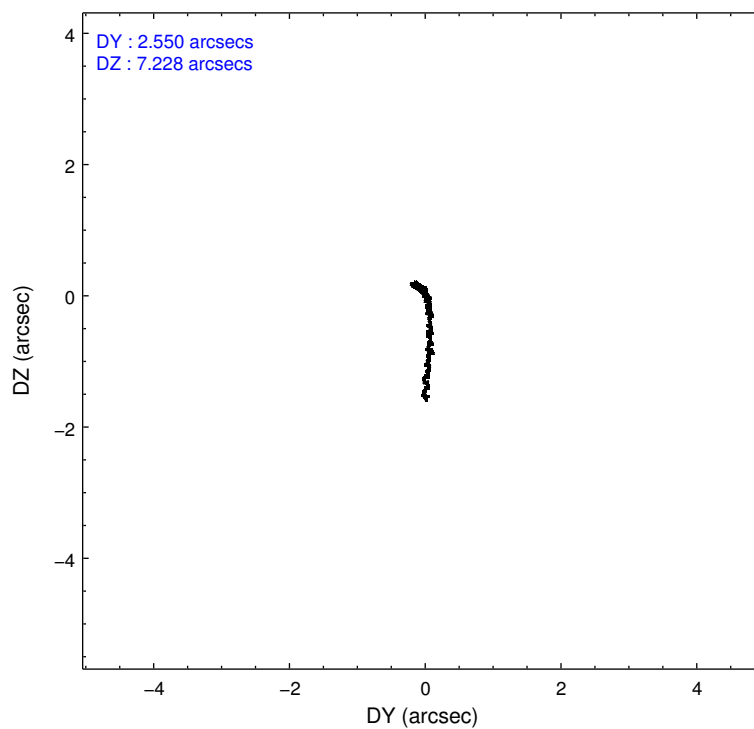
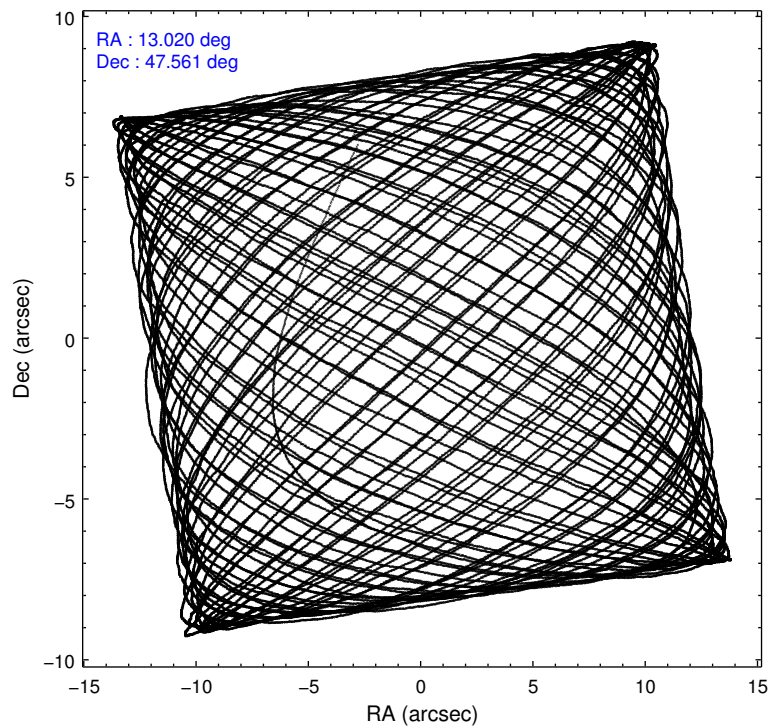
2.1.4 Events

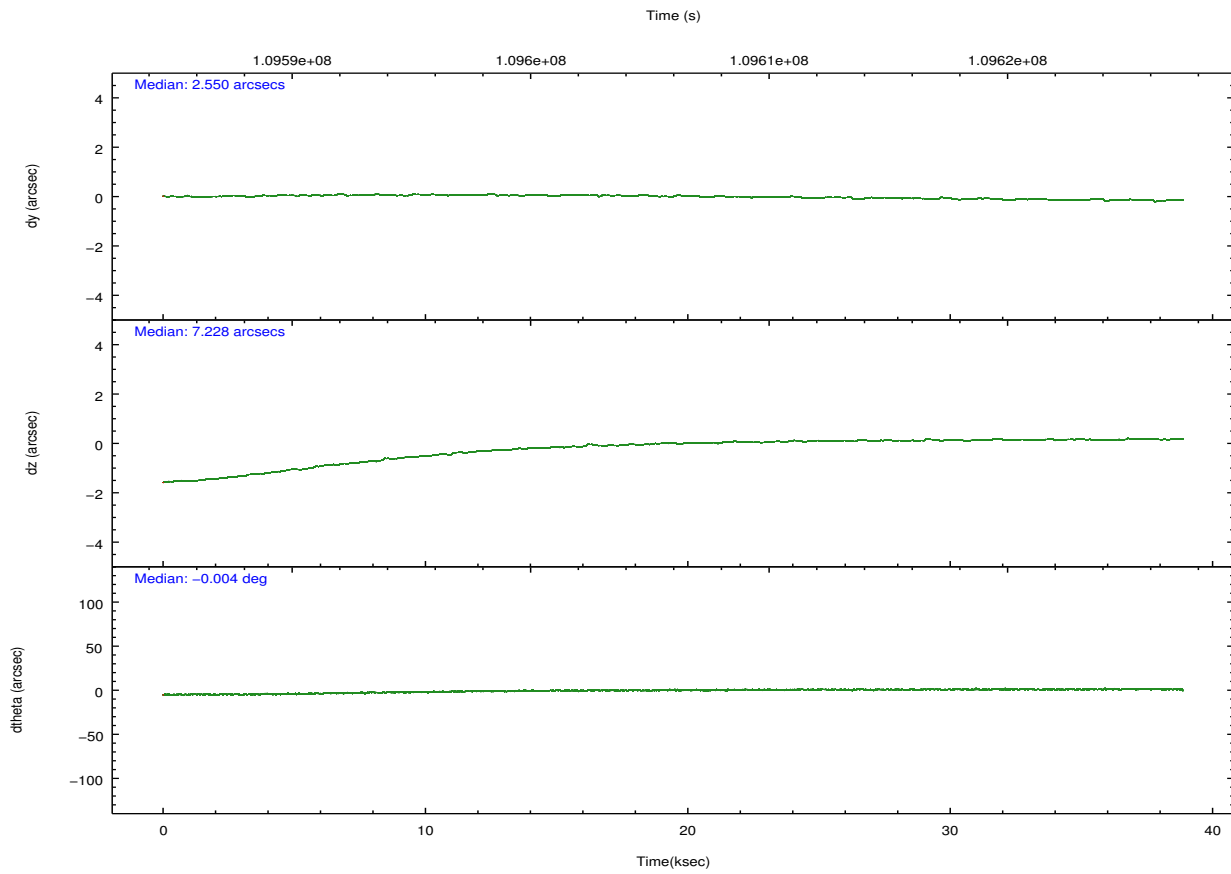
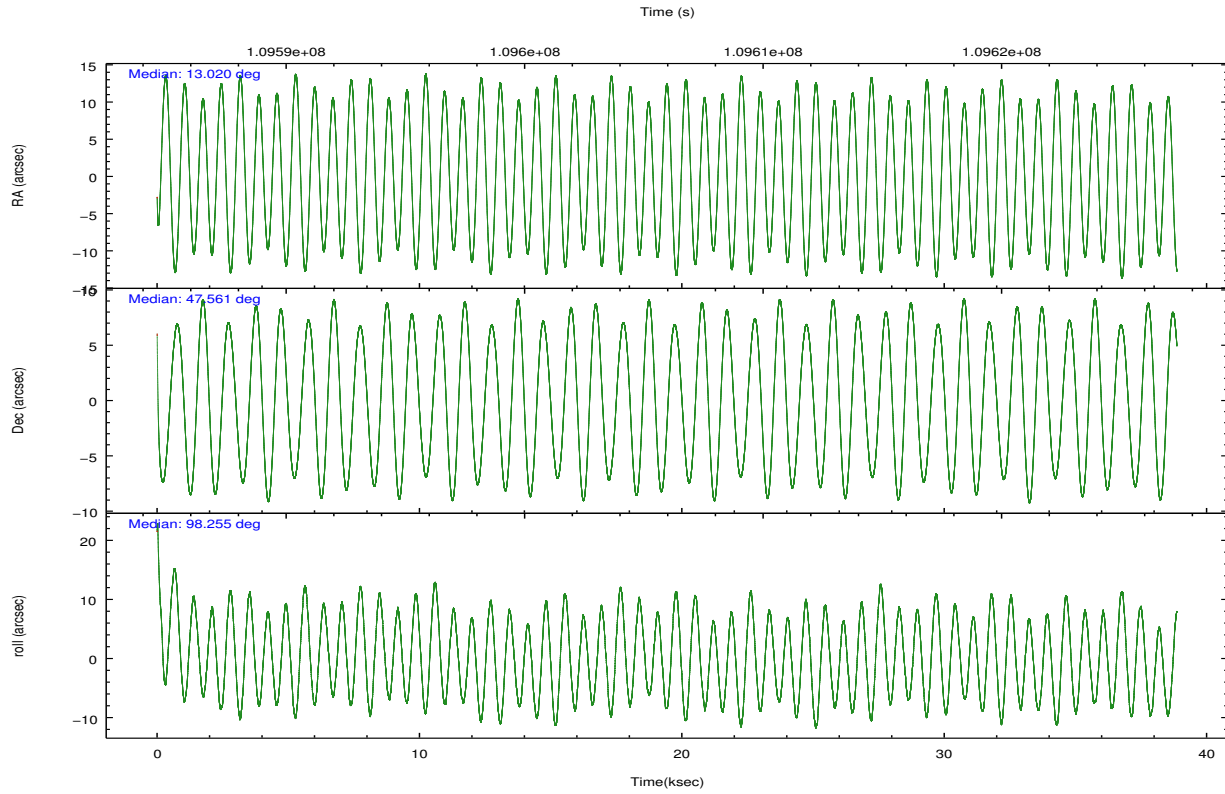
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	260118	250405	373871	262648	331382	325126	grade 0 events	12616	12163	26624	12695	13909	20160
rejected events	231103	222184	196031	232409	190565	260347		4%	4%	7%	4%	4%	6%
rejected %	88%	88%	52%	88%	57%	80%	grade 1 events	127	104	443	127	317	186
								0%	0%	0%	0%	0%	0%
							grade 2 events	6202	5672	51496	5912	28093	13913
								2%	2%	13%	2%	8%	4%
							grade 3 events	2623	2750	7230	2964	12935	7009
								1%	1%	1%	1%	3%	2%
							grade 4 events	2640	2717	6866	2884	13020	6614
								1%	1%	1%	1%	3%	2%
							grade 5 events	8907	9496	27578	10480	31400	13649
								3%	3%	7%	3%	9%	4%
							grade 6 events	4940	4922	85639	5788	72868	17085
								1%	1%	22%	2%	21%	5%
							grade 7 events	222063	212581	167995	221798	158840	246510
								85%	84%	44%	84%	47%	75%

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	13.045044	13.01968210143508	Subarray requested	NONE	NONE
[deg] Pointing Dec	47.539620	47.5608725793161	Alternating exposures requested	N	N
[deg] Pointing Roll	98.085372	98.26071837277088	[s] Primary exposure time	0.000000	3.2
[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)	109586701.184000	109585690.99001			
Observation start date	2001-06-22T08:43:57	2001-06-22T08:28:10			
[s] Observation end time (MET)	109625406.184000	109626457.8041			
Observation end date	2001-06-22T19:29:02	2001-06-22T19:47:37			
Read mode	TIMED	TIMED			

2.3 Aspect



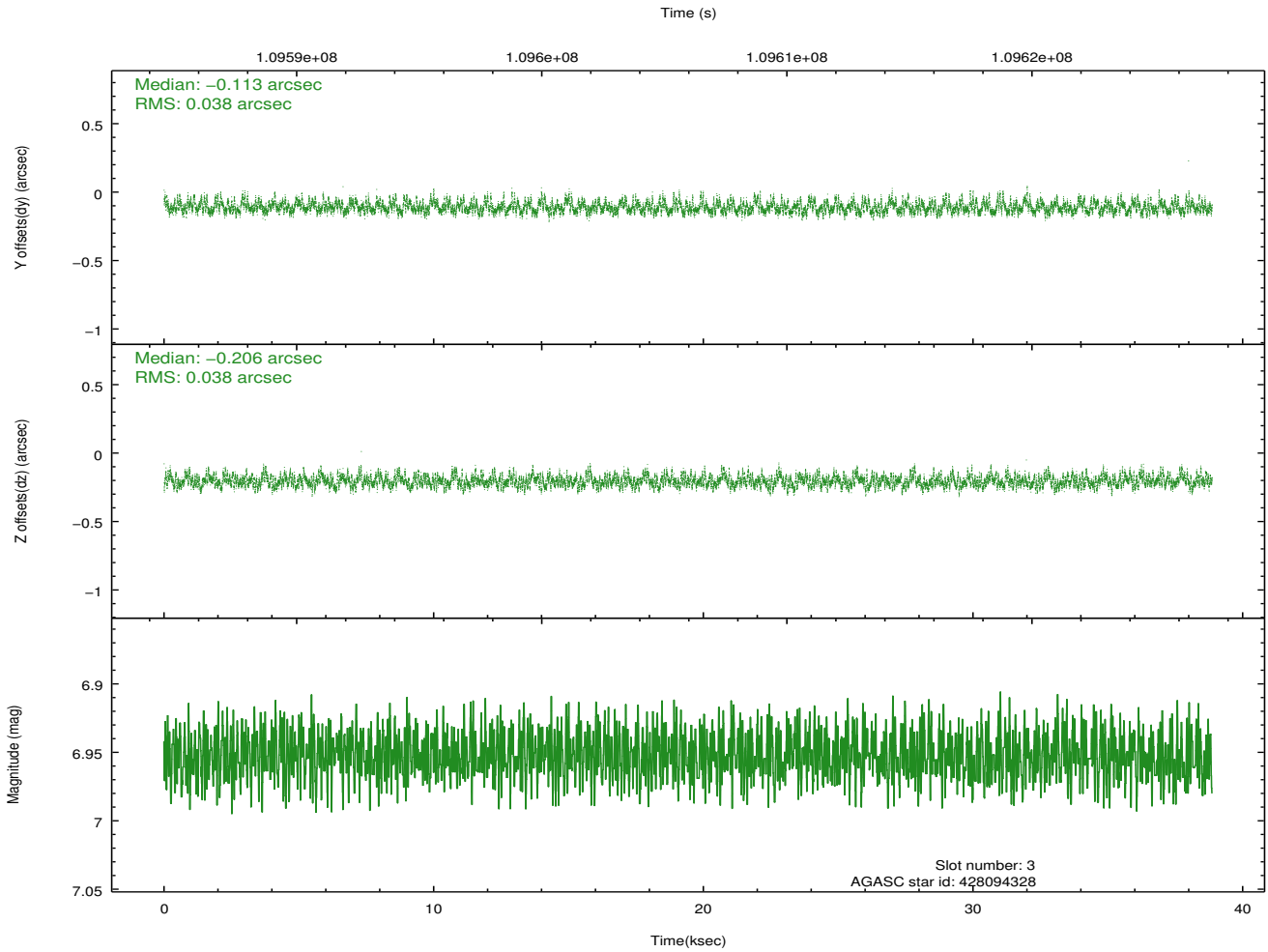
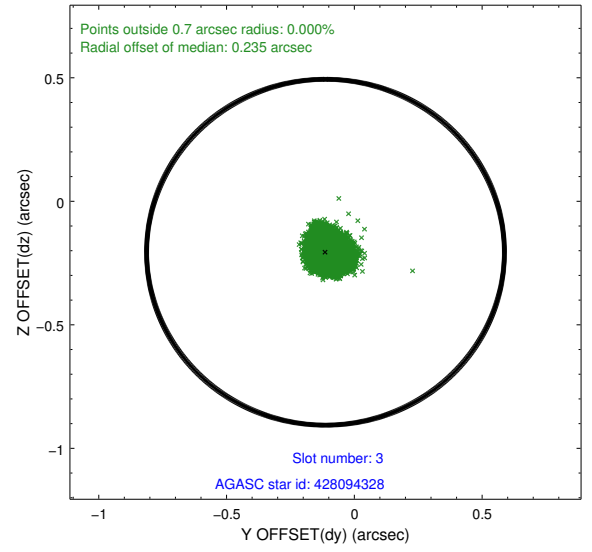
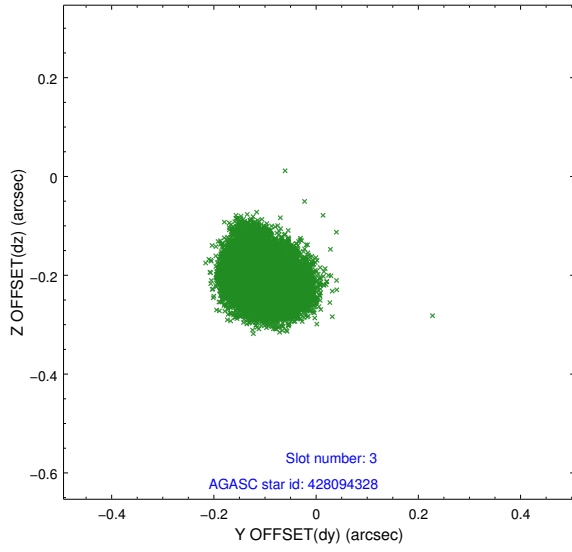


Slot Statistics

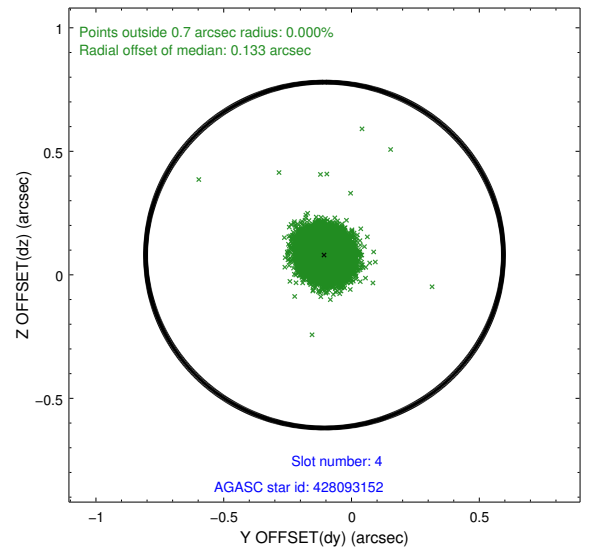
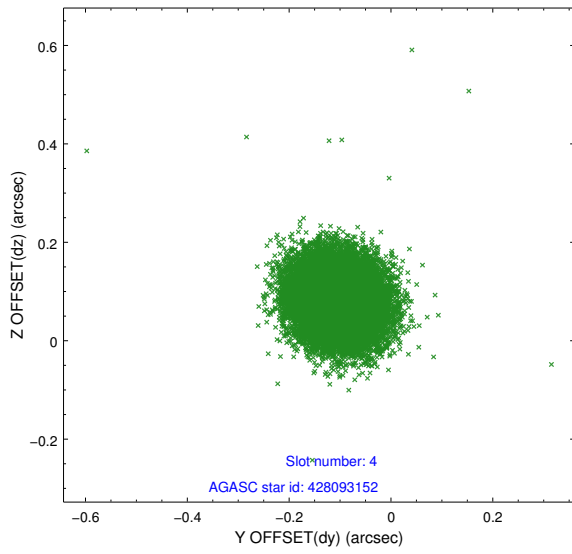
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	9475	-0.013	-0.006	0.010	0.025	0.000000	0.000000	-755.17	-1728.14
1	FID	ACIS-S-4	7.19	9476	-0.045	0.008	0.011	0.024	0.000000	0.000000	2158.06	180.35
2	FID	ACIS-S-5	7.24	9476	0.028	0.007	0.010	0.017	0.000000	0.000000	-1807.95	174.02
3	GUIDE	428094328	6.95	18954	-0.113	-0.206	0.057	0.091	12.405038	47.763935	1022.92	1418.63
4	GUIDE	428093152	9.07	18952	-0.106	0.080	0.067	0.109	13.445574	47.996229	1493.81	-1186.78
5	GUIDE	428090984	8.97	18948	-0.038	0.076	0.069	0.113	13.818273	47.795721	658.80	-1982.48
6	GUIDE	428084960	8.95	18945	0.179	0.017	0.074	0.121	13.234592	47.098570	-1637.02	-237.13
7	GUIDE	428093736	8.99	18945	0.072	0.031	0.069	0.114	13.229736	47.774096	772.93	-561.30

2.4 Star Slots

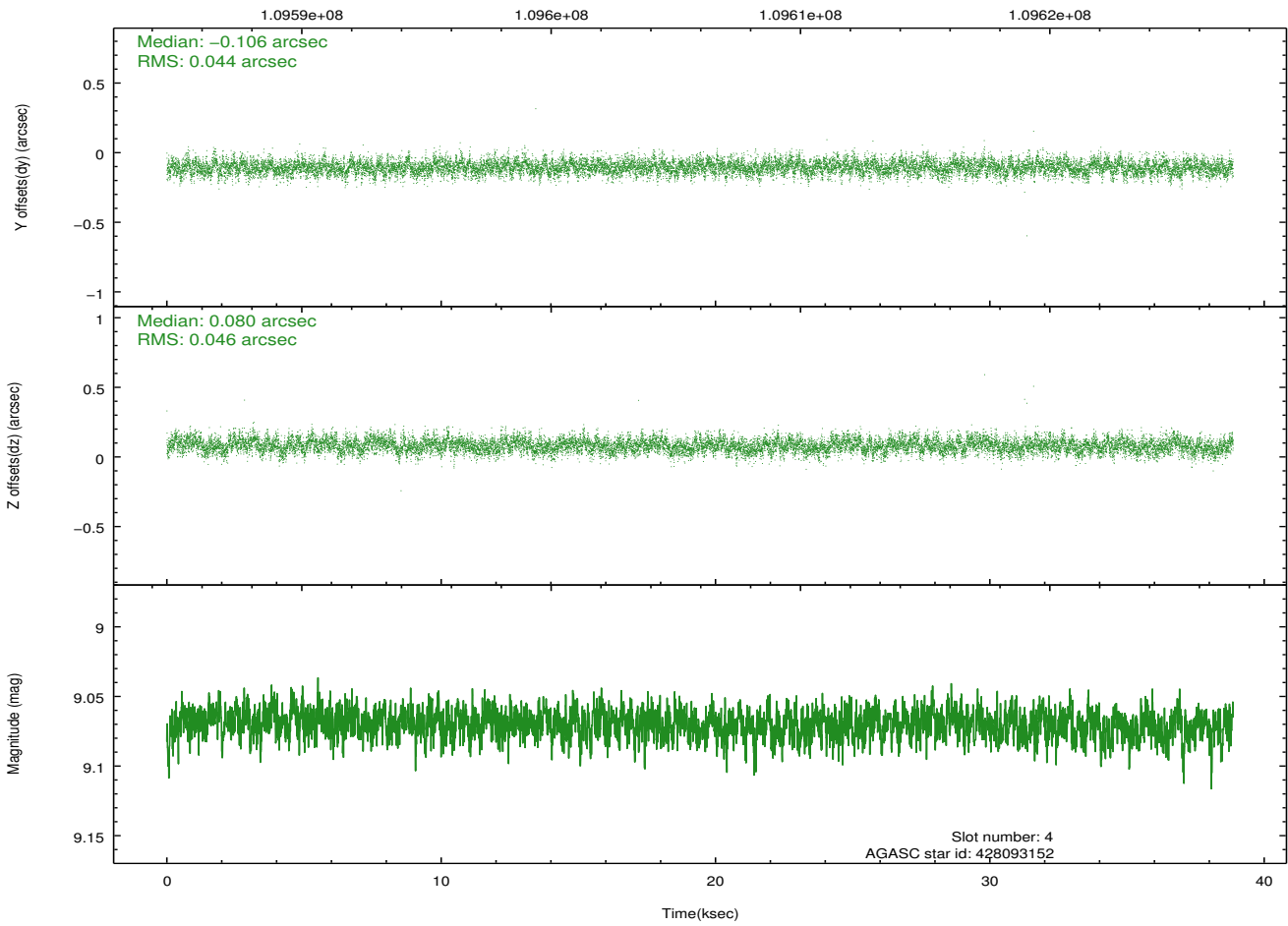
2.4.1 Slot 3



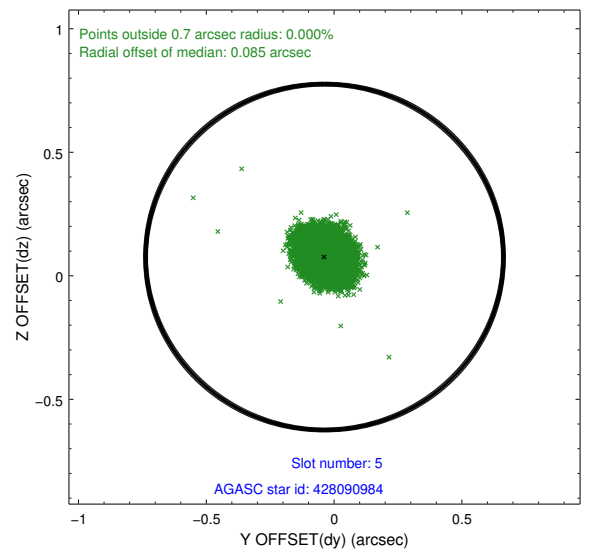
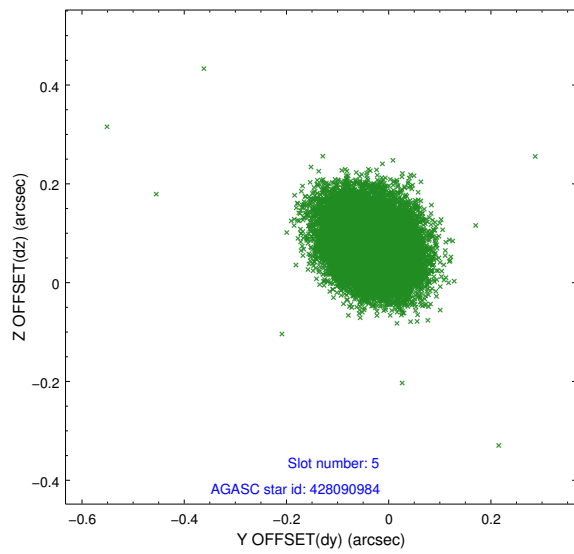
2.4.2 Slot 4



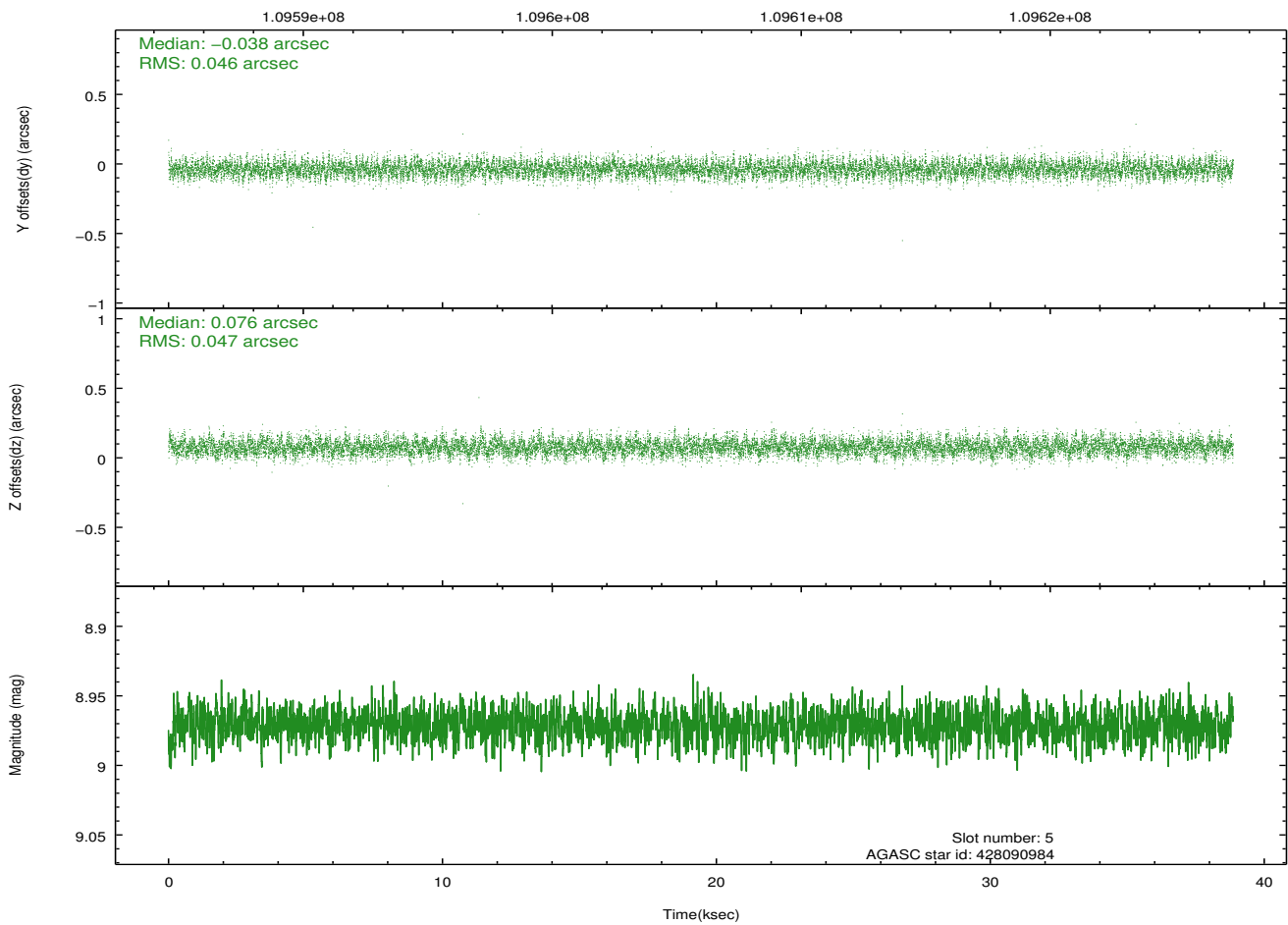
Time (s)



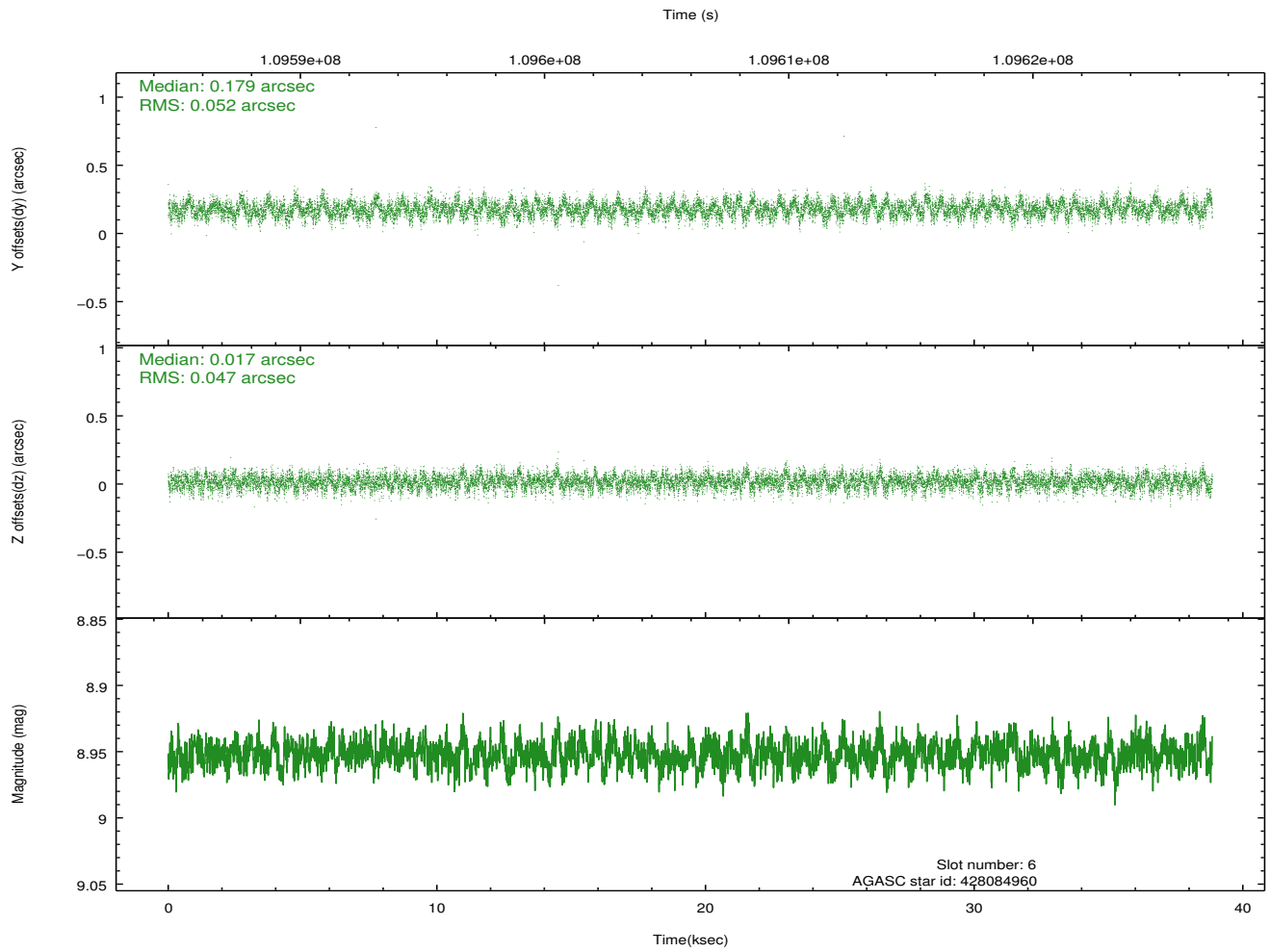
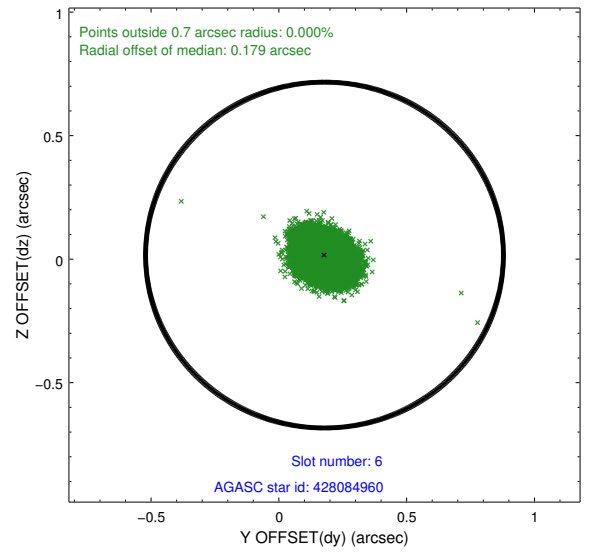
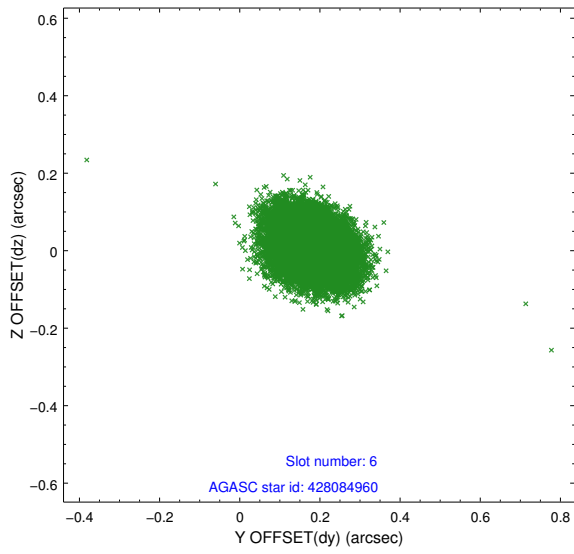
2.4.3 Slot 5



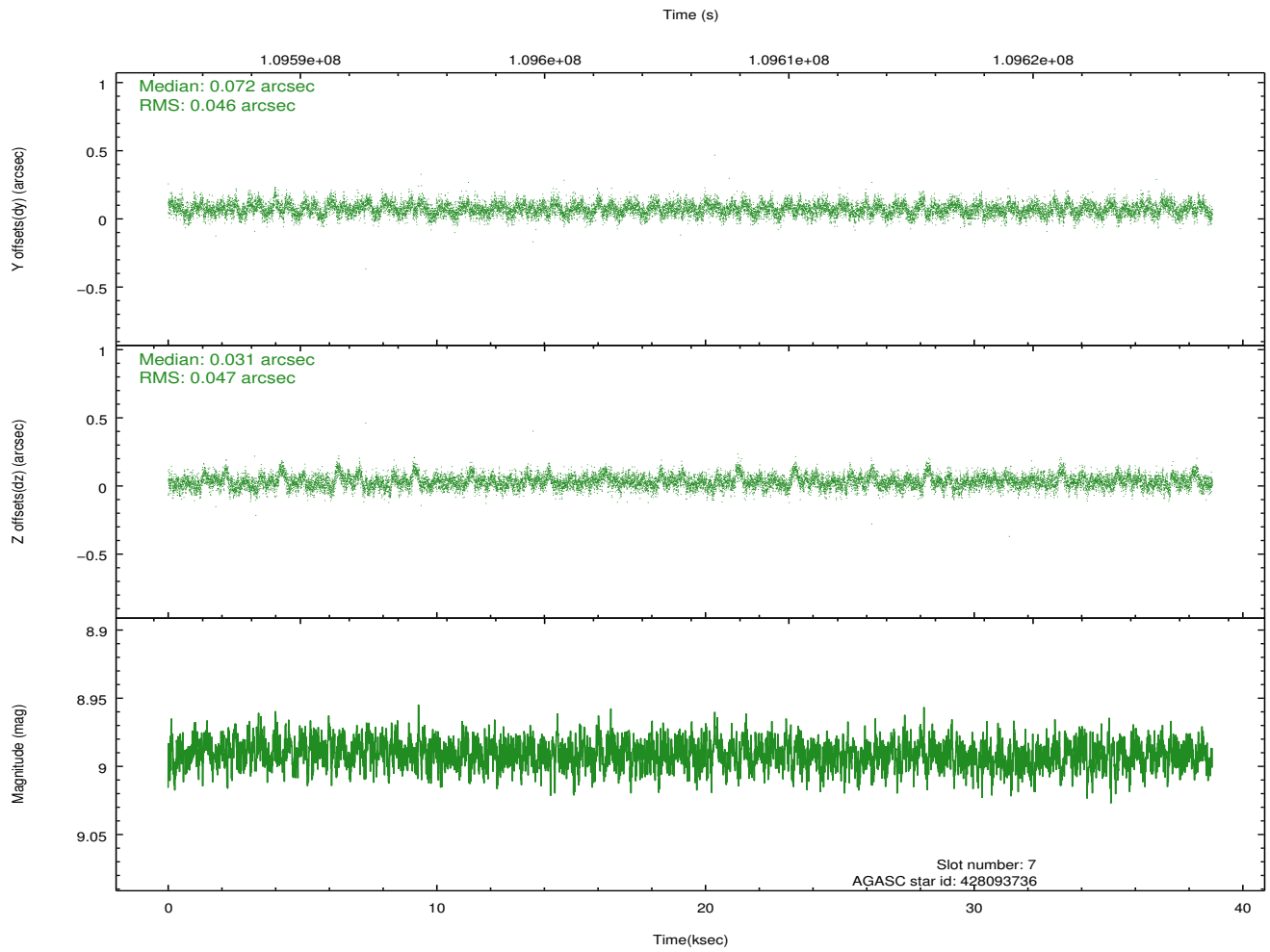
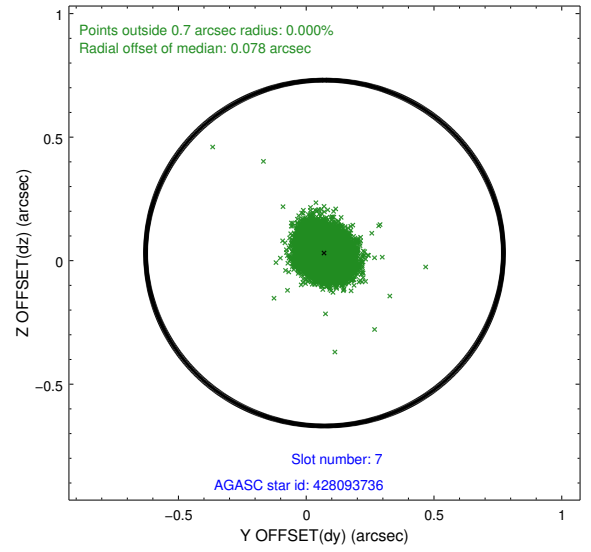
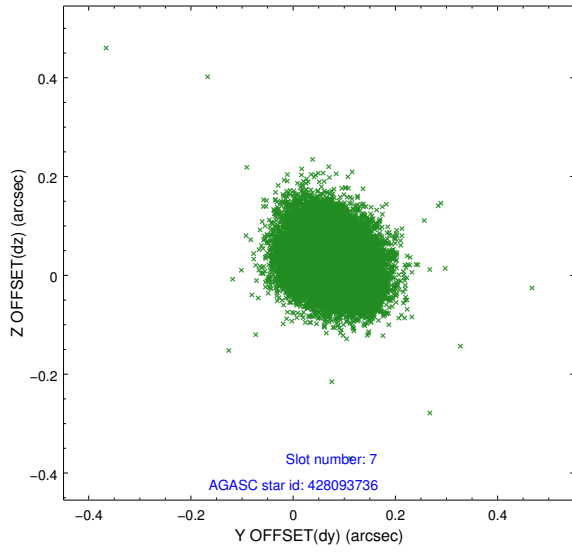
Time (s)



2.4.4 Slot 6

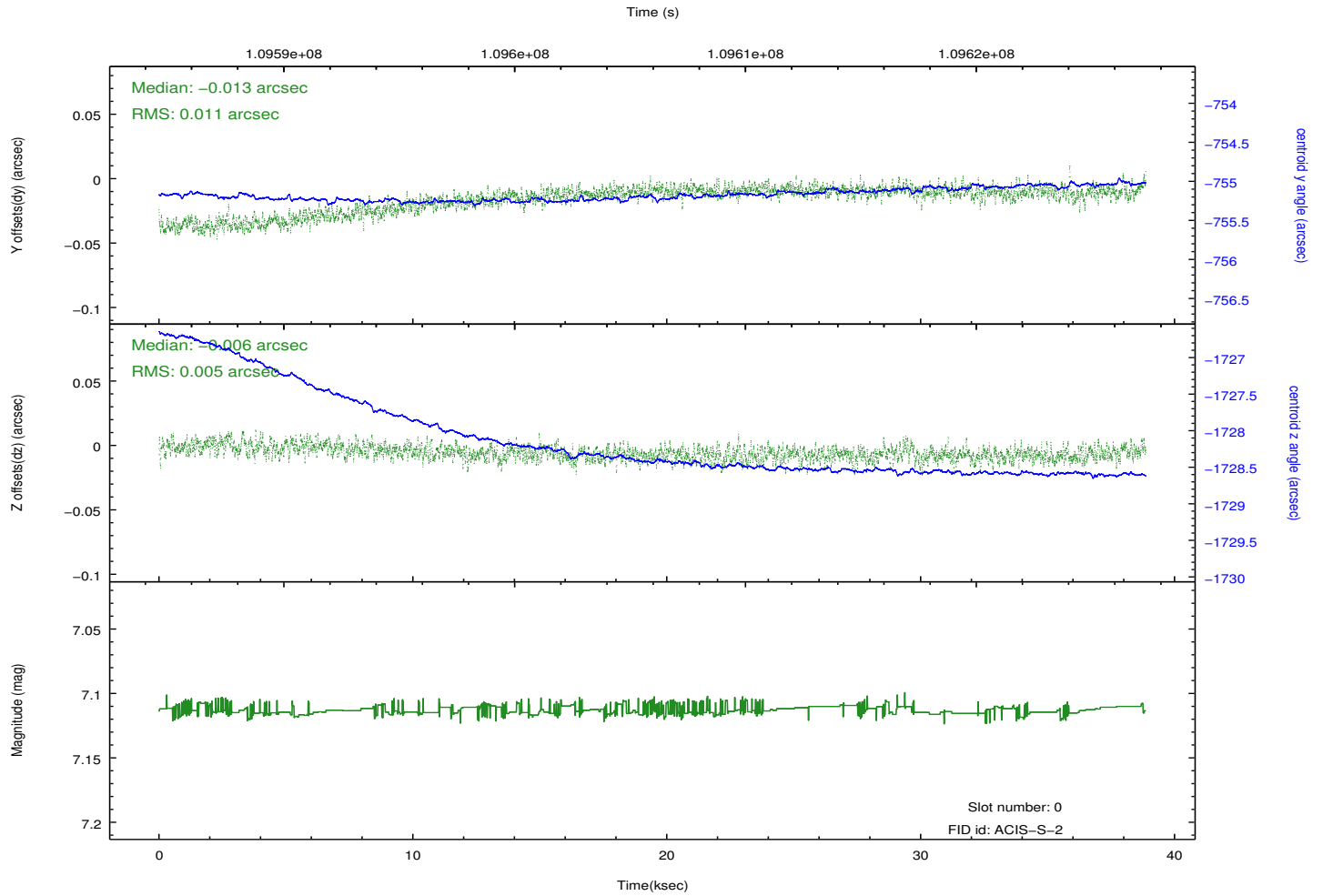
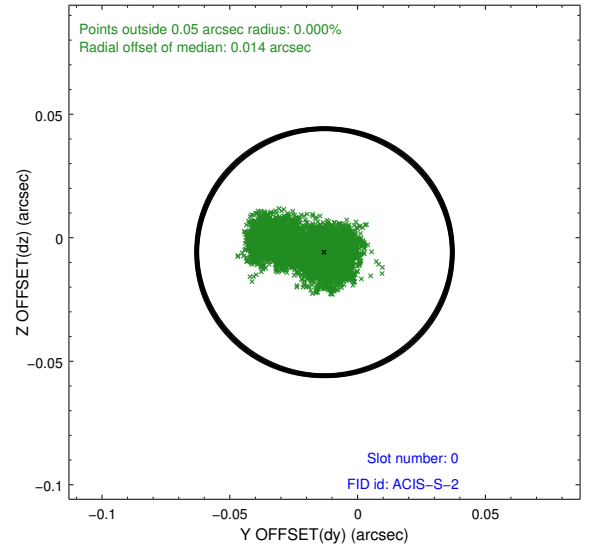
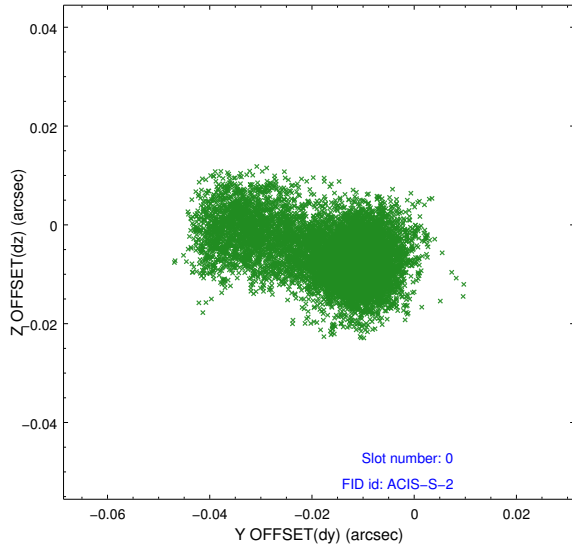


2.4.5 Slot 7

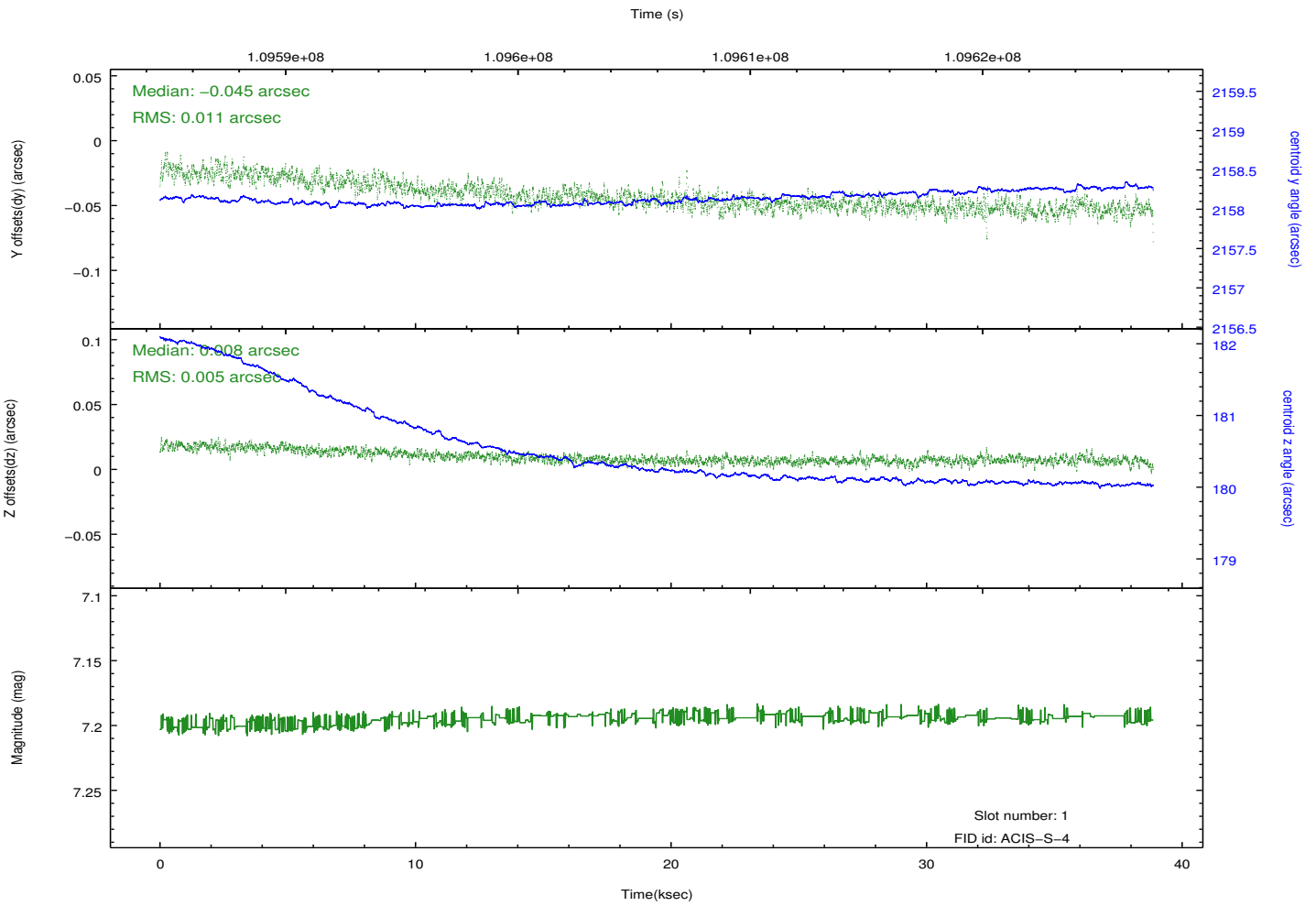
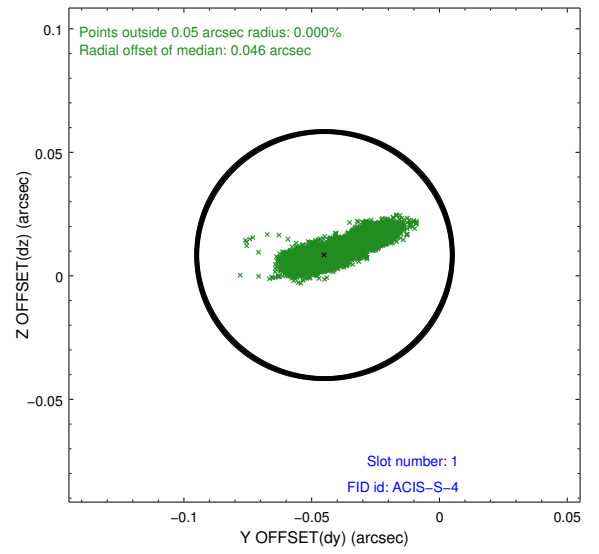
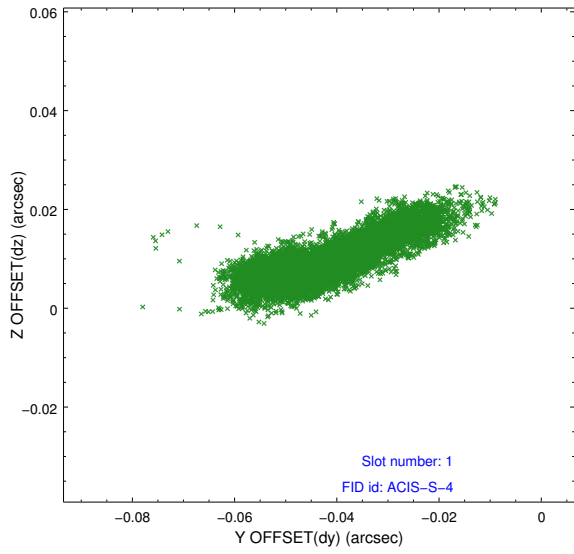


2.5 FID Slots

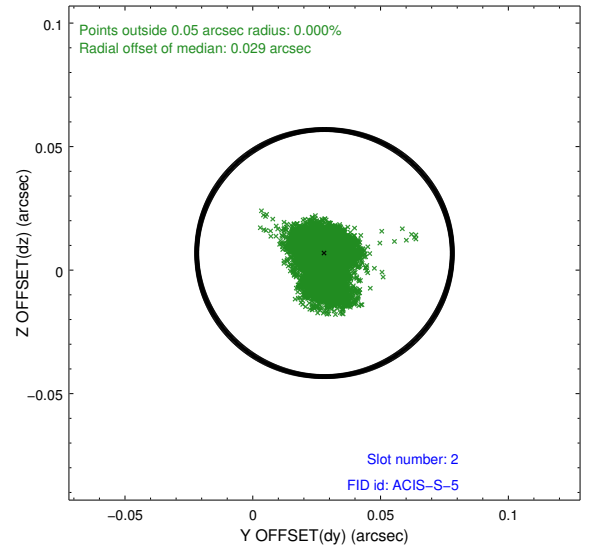
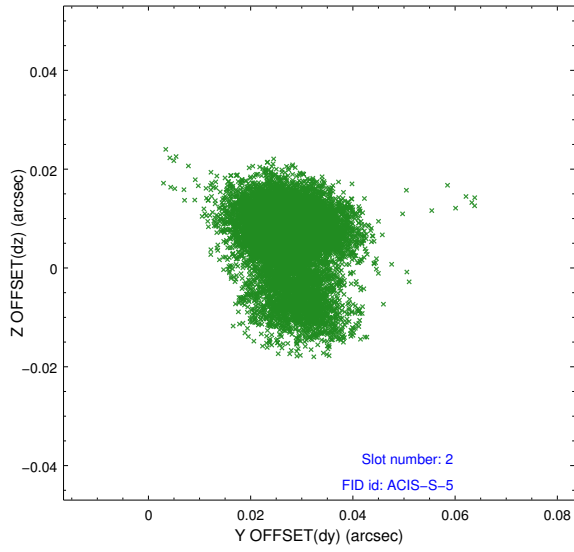
2.5.1 Slot 0



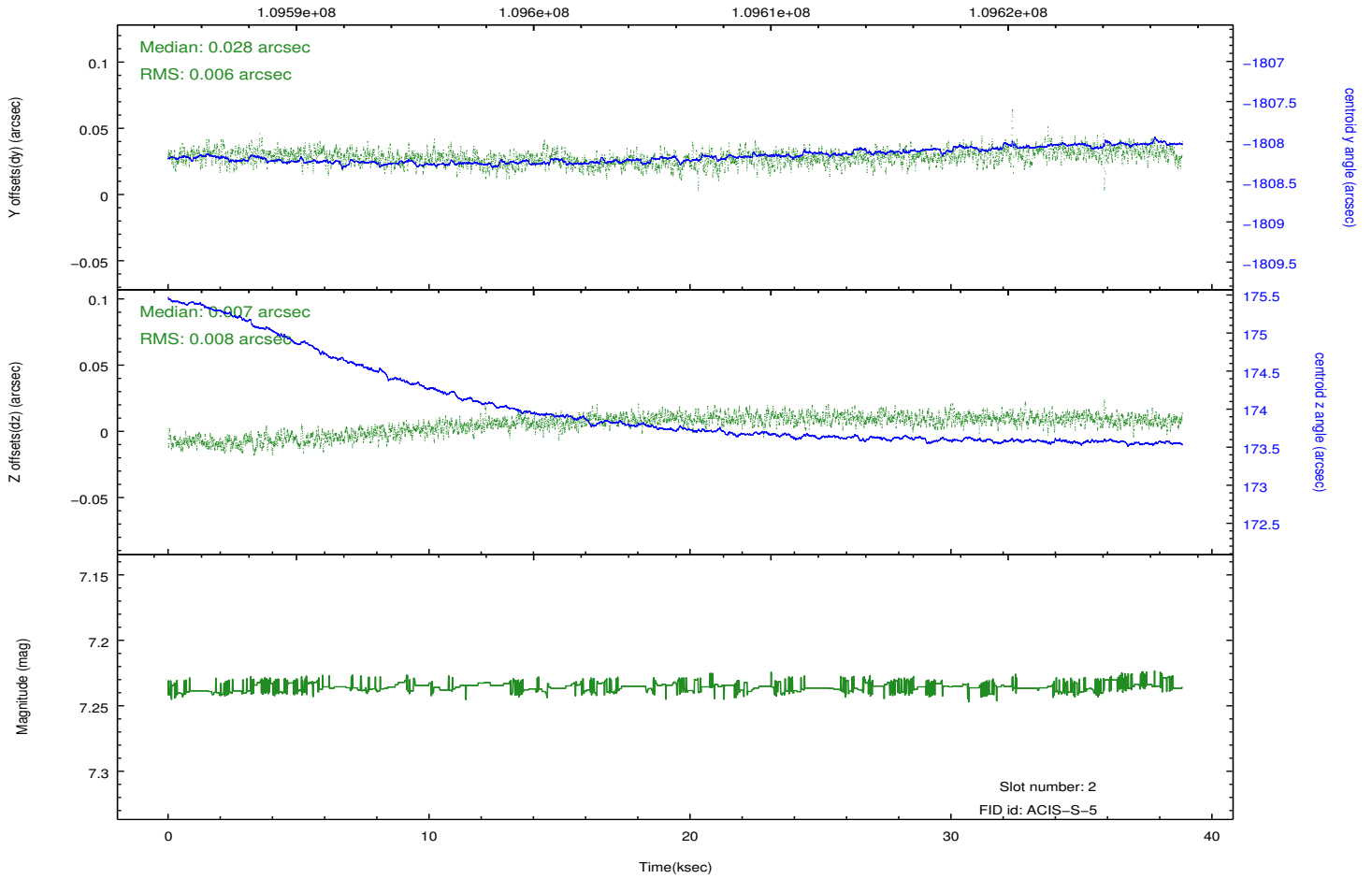
2.5.2 Slot 1



2.5.3 Slot 2



Time (s)



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.09.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	38.748

A.2 Comments