

V&V Reference Report

L2 ASCDS Version : 8.5.1

Observation 5696 - L2 Version 3
Chandra X-Ray Center

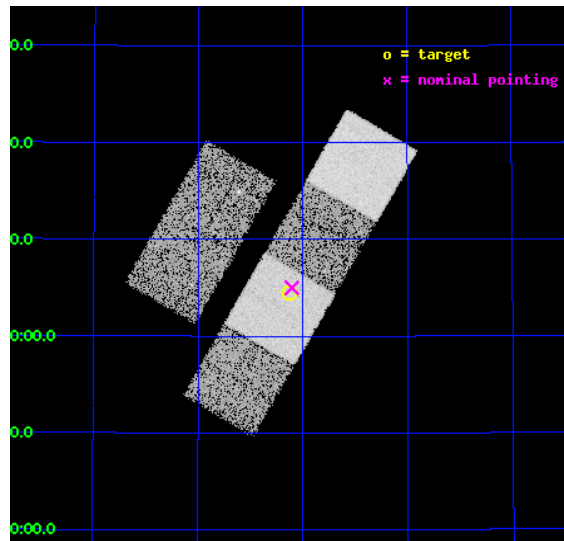
L2 Processing Date : Dec 15 2012

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1 Front

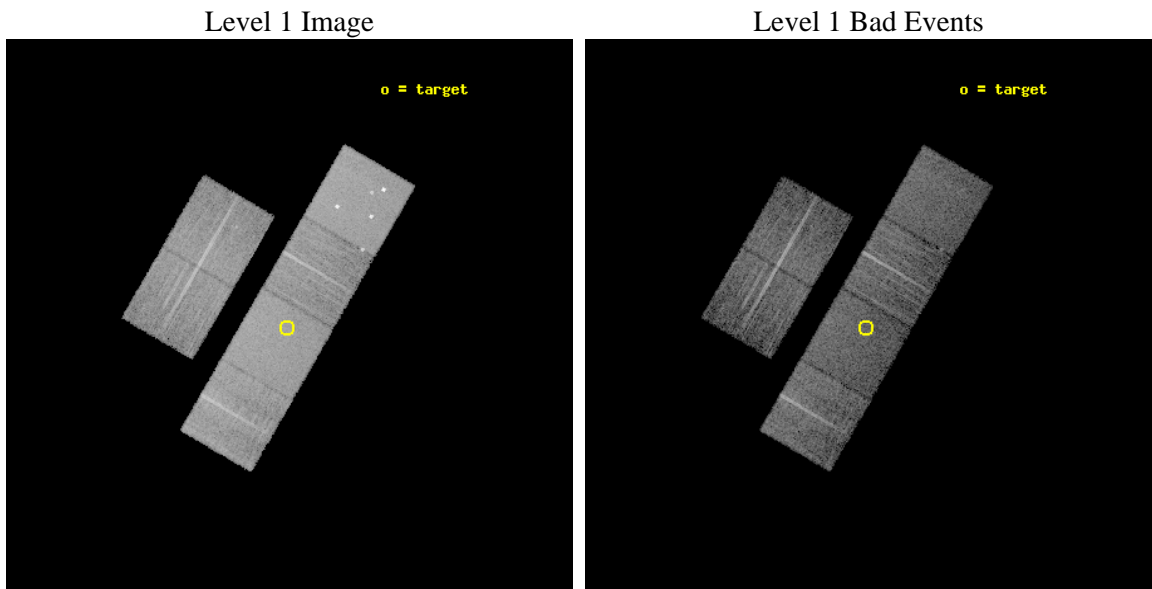
seq_num	701118	Sequence number
obs_id	5696	Observation id
title	Studying the X-ray properties of SDSS candidate Type II quasars with exploratory Chandra observations	Proposal title
observer	Dr Cristian Vignali	Principal investigator
object	SDSS J081507.42+430427.2	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	123.780833	Observer's specified target RA [deg]
dec_targ	43.074222	Observer's specified target Dec [deg]
ra_nom	123.77632635271	Nominal RA [deg]
dec_nom	43.083323414877	Nominal Dec [deg]
roll_nom	120.08814309165	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8277.3478544354	Sum of GTIs [s]
livetime	8172.5350918821	Livetime [s]
ontime2	8277.3888944387	Sum of GTIs [s]
ontime3	8277.2247344255	Sum of GTIs [s]
ontime5	8277.3068144321	Sum of GTIs [s]
ontime6	8277.2657744288	Sum of GTIs [s]
ontime7	8277.3478544354	Sum of GTIs [s]
ontime8	8277.183694452	Sum of GTIs [s]
l2events	101558	Number of level 2 events



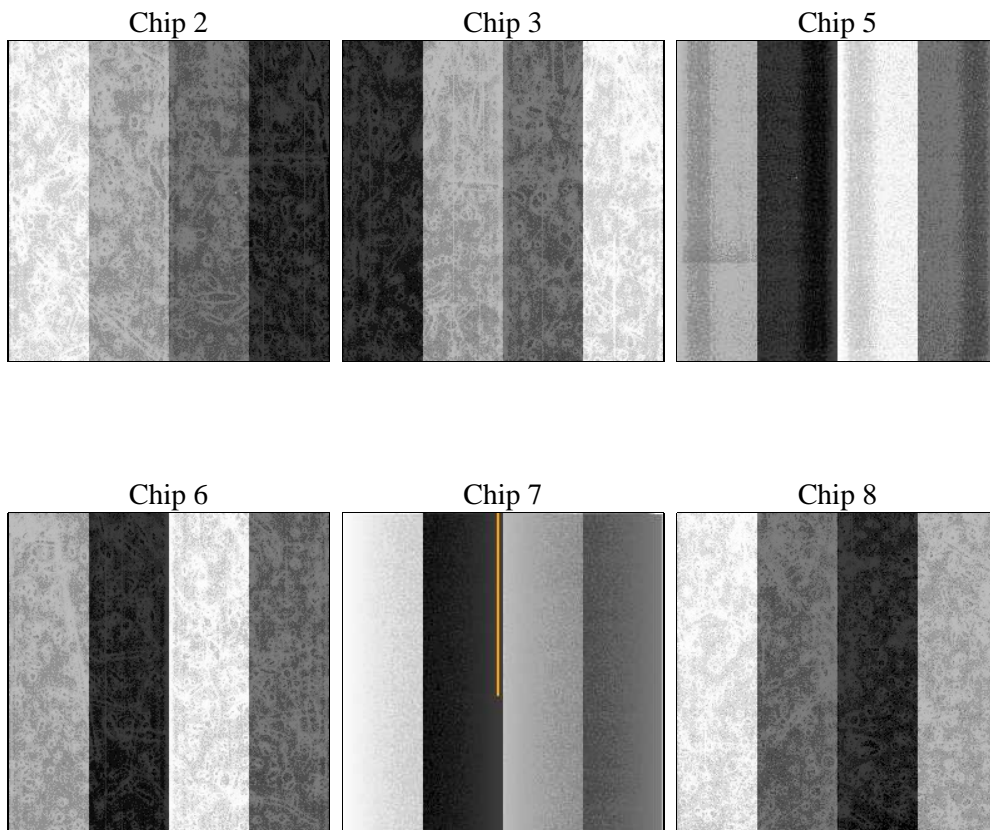
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8320.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1	Processing system revision	ontime	8277.3478544354	Sum of GTIs [s]
caldbver	4.5.5	 	ontime2	8277.3888944387	Sum of GTIs [s]
date	2012-12-15T04:38:31	Date and time of file creation	ontime3	8277.2247344255	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	8277.3068144321	Sum of GTIs [s]
			ontime6	8277.2657744288	Sum of GTIs [s]
			ontime7	8277.3478544354	Sum of GTIs [s]
			ontime8	8277.183694452	Sum of GTIs [s]
			l1events	462833	Number of level 1 events

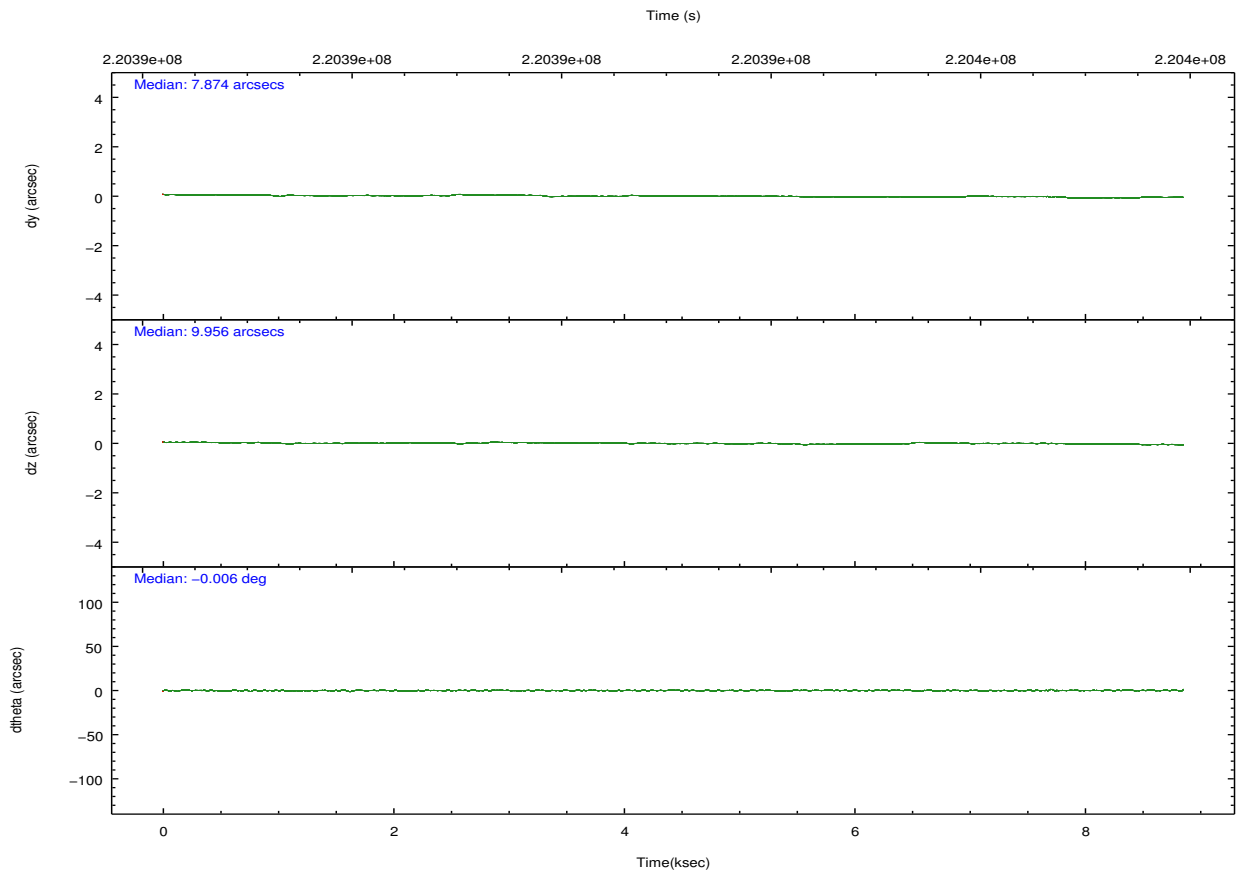
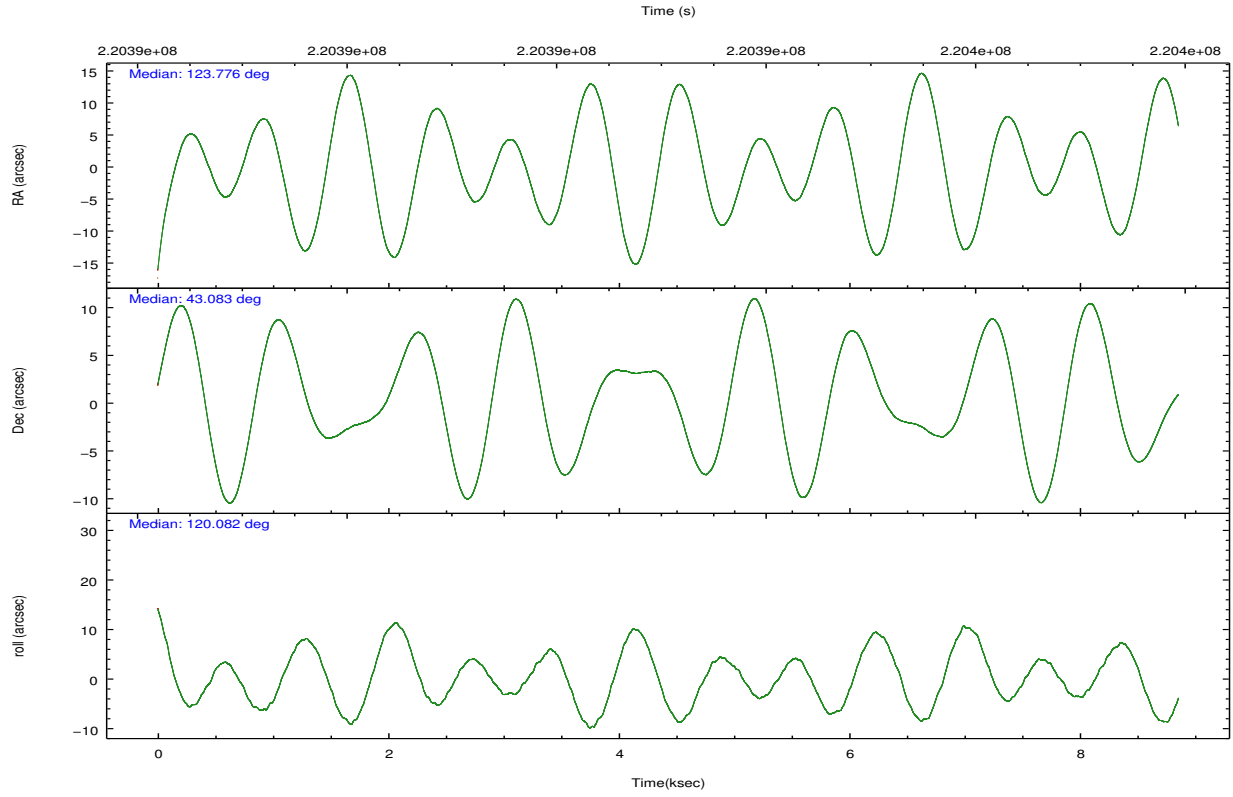
2.1.4 Events

	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	66375	62109	102107	64940	85997	81305	grade 0 events	3362	3063	8933	2911	3045	5331
rejected events	58696	54998	51776	57487	50667	64555		5%	4%	8%	4%	3%	6%
rejected %	88%	88%	50%	88%	58%	79%	grade 1 events	46	30	258	36	89	54
								0%	0%	0%	0%	0%	0%
							grade 2 events	1593	1376	14962	1573	7020	3531
								2%	2%	14%	2%	8%	4%
							grade 3 events	736	749	1692	705	3046	2057
								1%	1%	1%	1%	3%	2%
							grade 4 events	719	680	1619	721	2986	1745
								1%	1%	1%	1%	3%	2%
							grade 5 events	2590	2748	6801	2908	8244	3801
								3%	4%	6%	4%	9%	4%
							grade 6 events	1273	1246	23141	1544	19248	4087
								1%	2%	22%	2%	22%	5%
							grade 7 events	56056	52217	44701	54542	42319	60699
								84%	84%	43%	83%	49%	74%

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	123.808863	123.7763263527122	Subarray requested	NONE	NONE
[deg] Pointing Dec	43.070044	43.08332341487698	Alternating exposures requested	N	N
[deg] Pointing Roll	119.909290	120.0881430916493	[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)	220389171.184000	220388035.76282			
Observation start date	2004-12-25T19:11:47	2004-12-25T18:53:55			
[s] Observation end time (MET)	220397491.184000	220398390.82578			
Observation end date	2004-12-25T21:30:27	2004-12-25T21:46:30			
Read mode	TIMED	TIMED			

2.3 Aspect

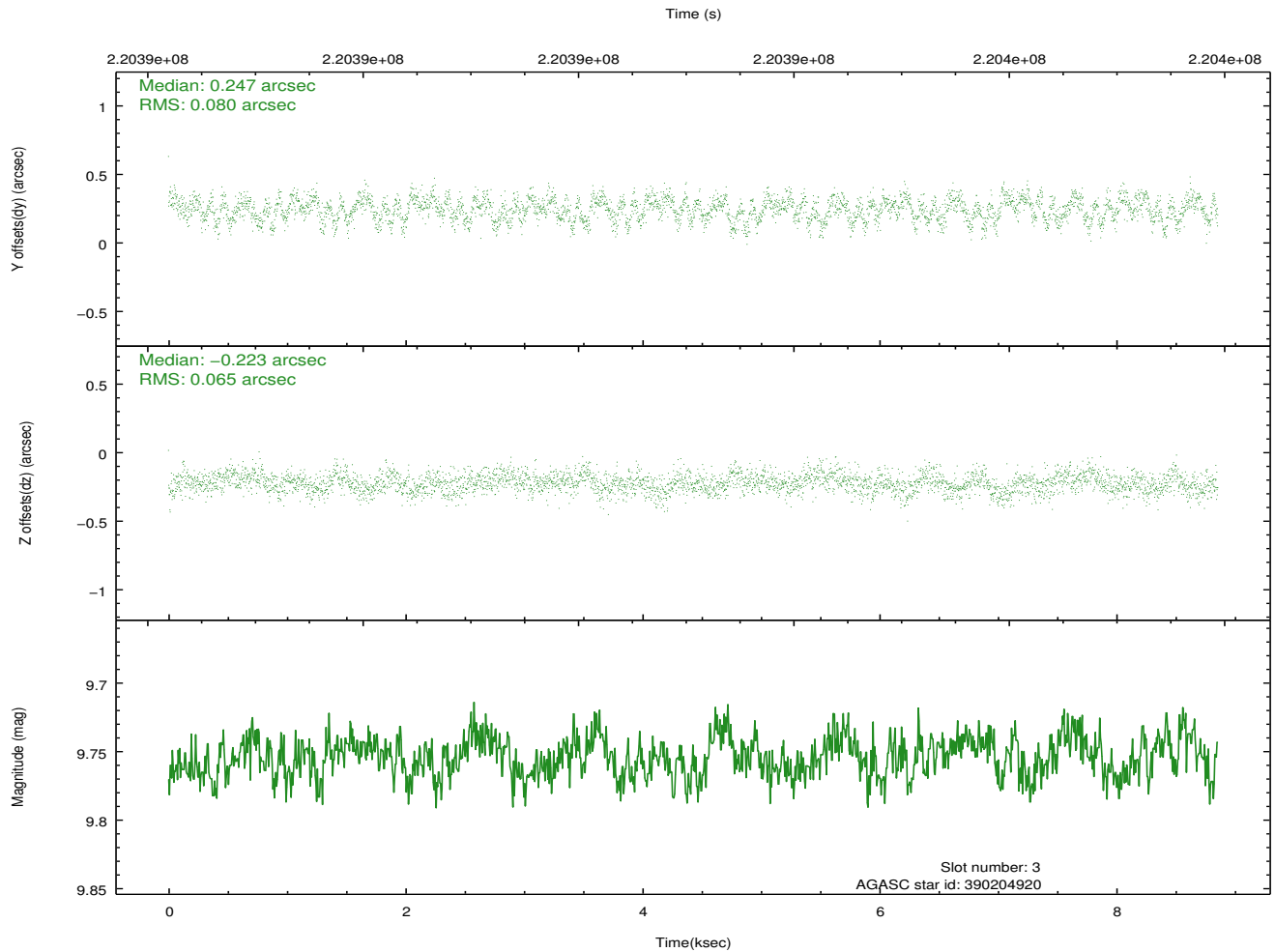
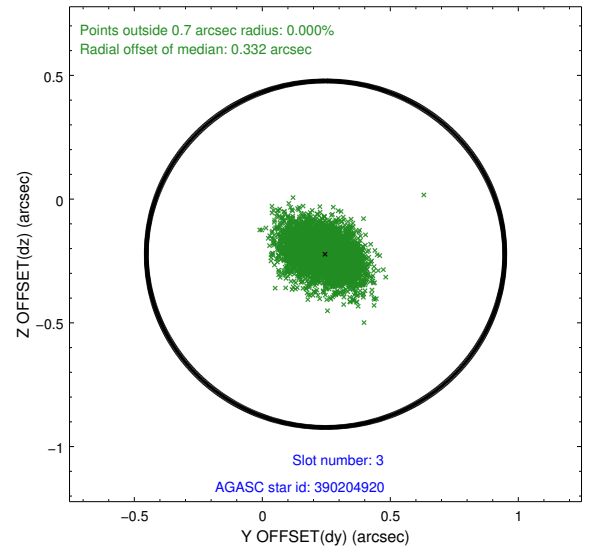
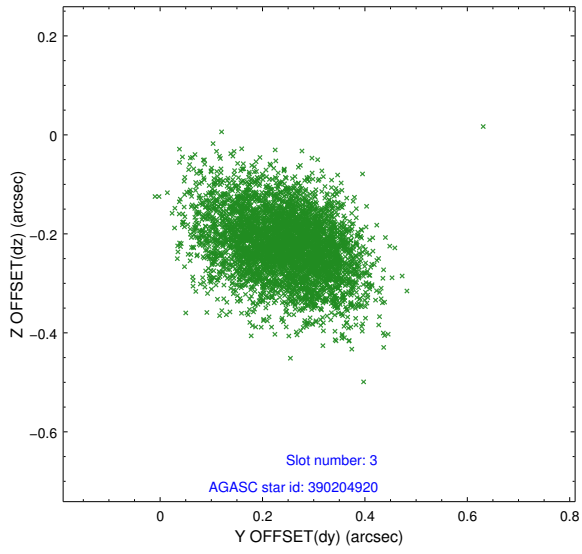


Slot Statistics

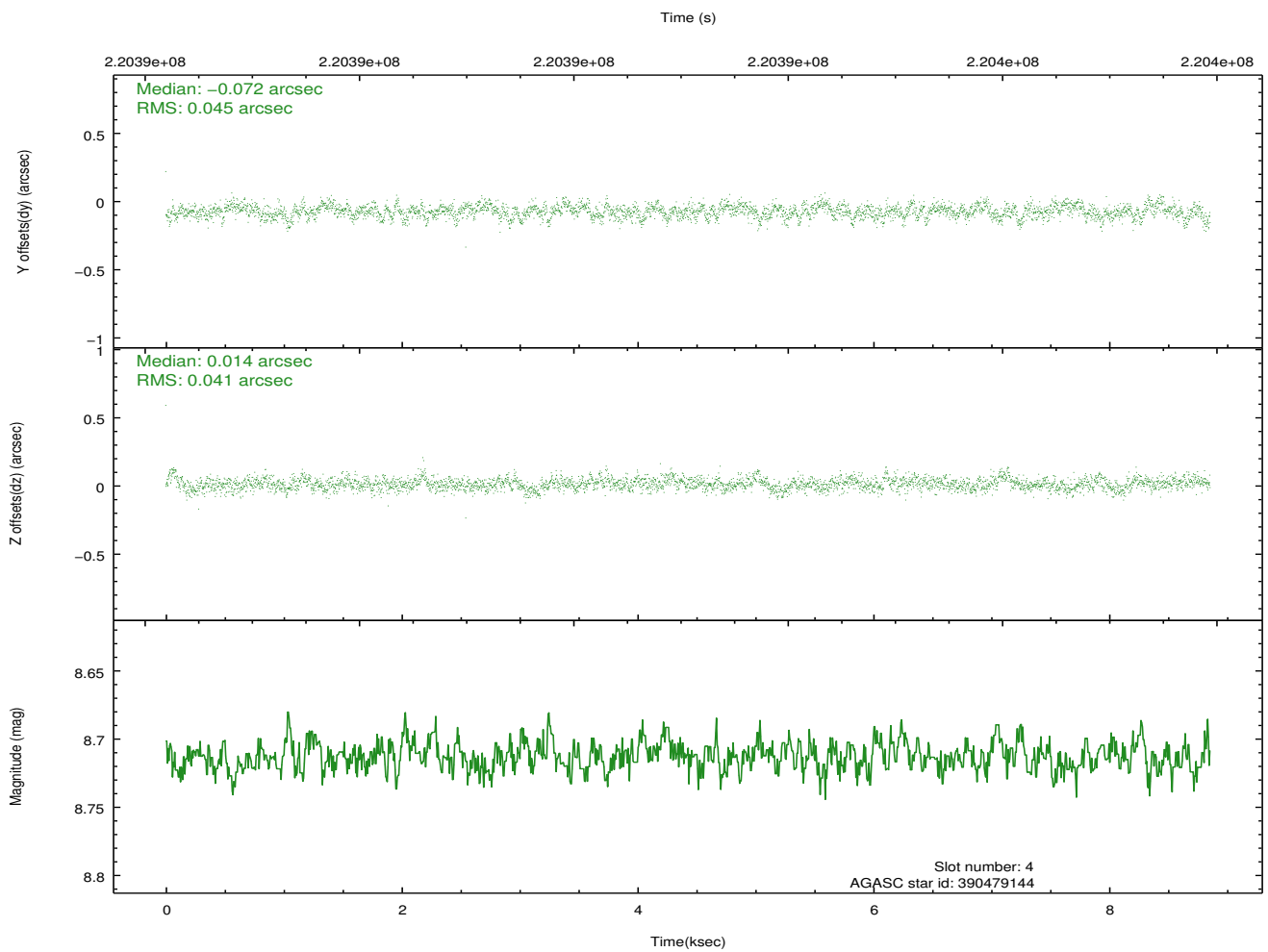
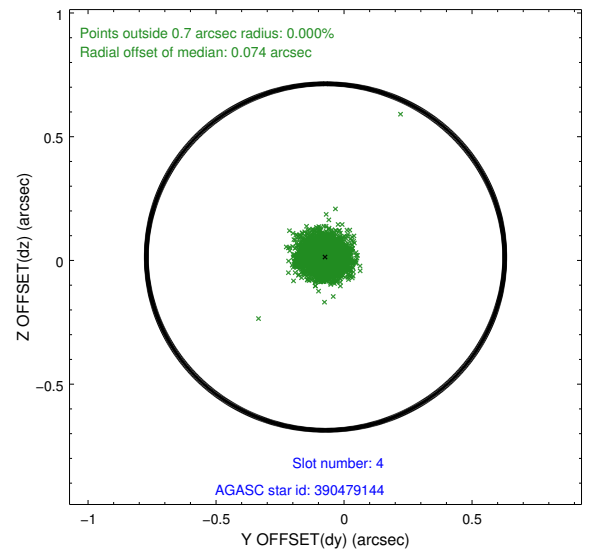
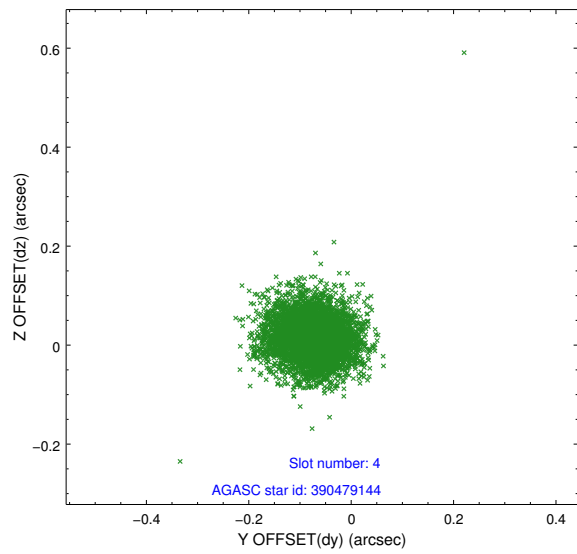
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	2161	0.013	-0.028	0.007	0.012	0.000000	0.000000	935.41	-1726.85
1	FID	ACIS-S-4	7.21	2161	0.080	0.017	0.006	0.011	0.000000	0.000000	2153.21	176.73
2	FID	ACIS-S-5	7.23	2161	-0.120	0.023	0.006	0.011	0.000000	0.000000	-1812.82	170.98
3	GUIDE	390204920	9.75	4319	0.247	-0.223	0.109	0.180	123.432047	42.449494	-1435.23	1980.48
4	GUIDE	390479144	8.71	4317	-0.072	0.014	0.064	0.105	122.869472	43.407179	2288.79	1518.99
5	GUIDE	390479736	8.83	4313	-0.192	-0.048	0.068	0.108	122.902361	43.267931	1813.89	1698.99
6	GUIDE	390600952	7.90	4320	-0.014	0.097	0.068	0.106	124.473847	43.409805	199.89	-2120.02
7	GUIDE	390608272	9.31	4320	0.034	0.165	0.084	0.135	124.648615	42.884668	-1673.20	-1593.00

2.4 Star Slots

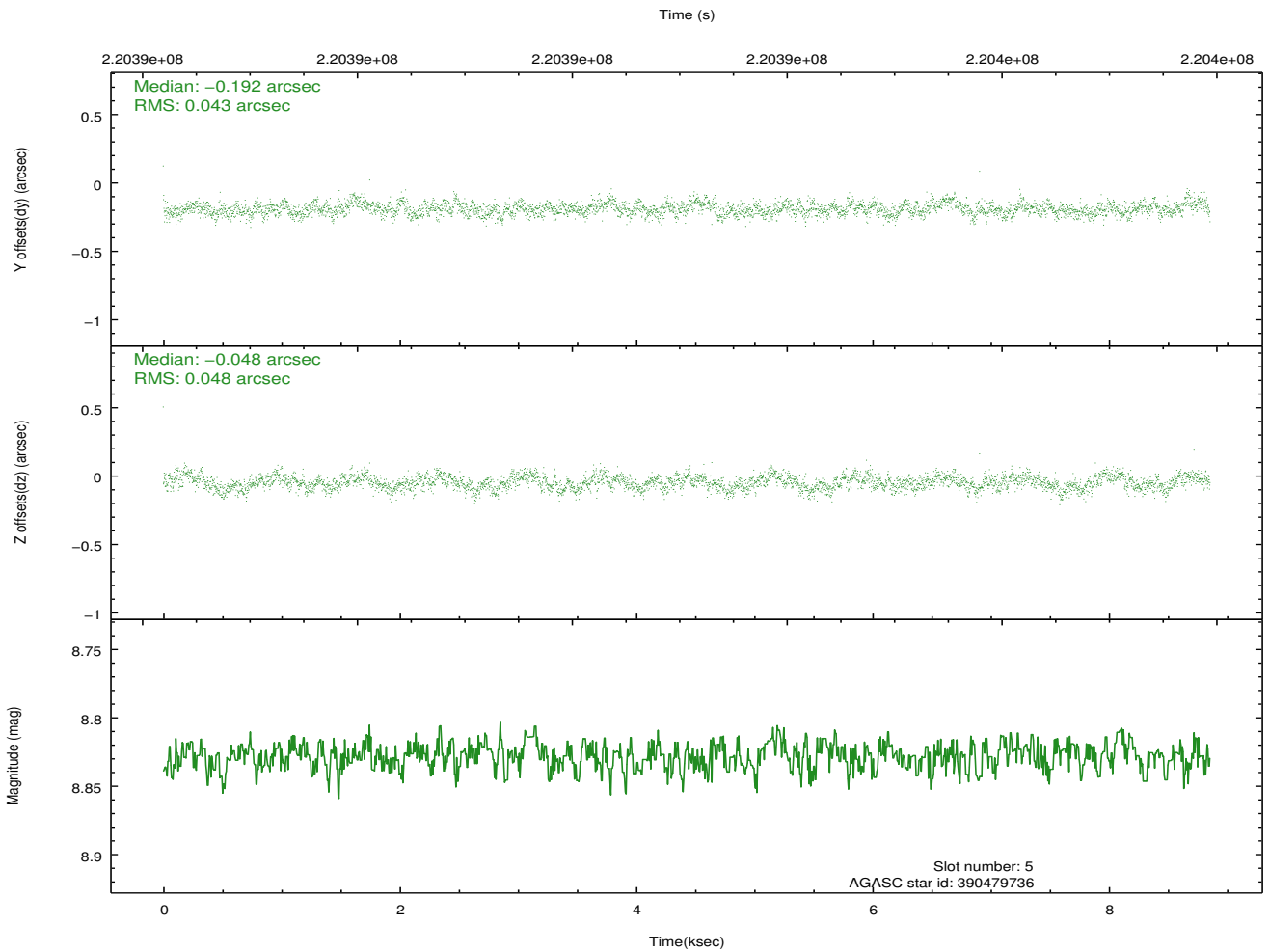
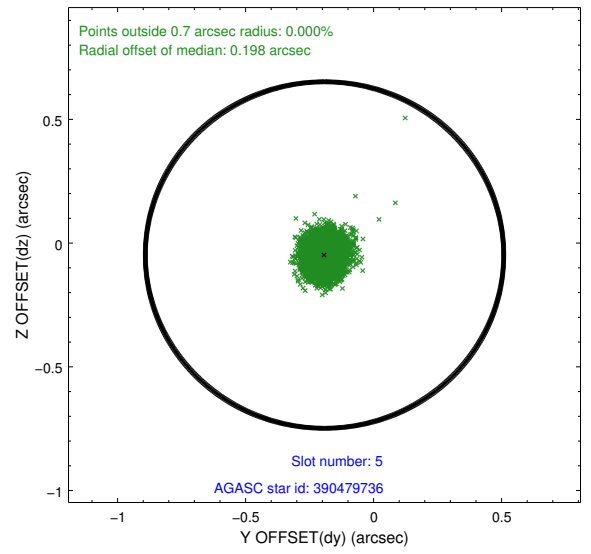
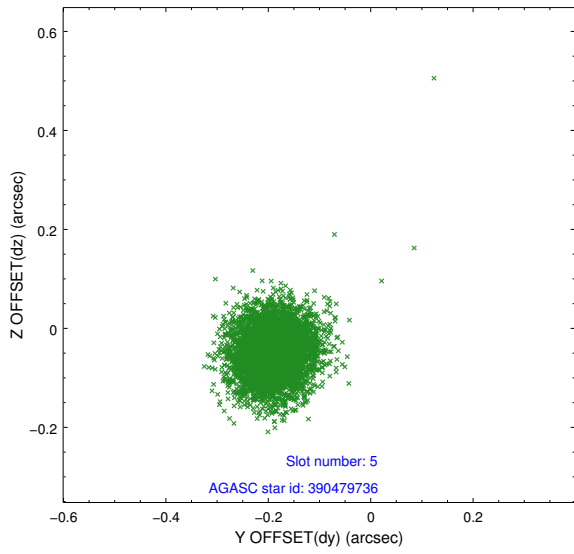
2.4.1 Slot 3



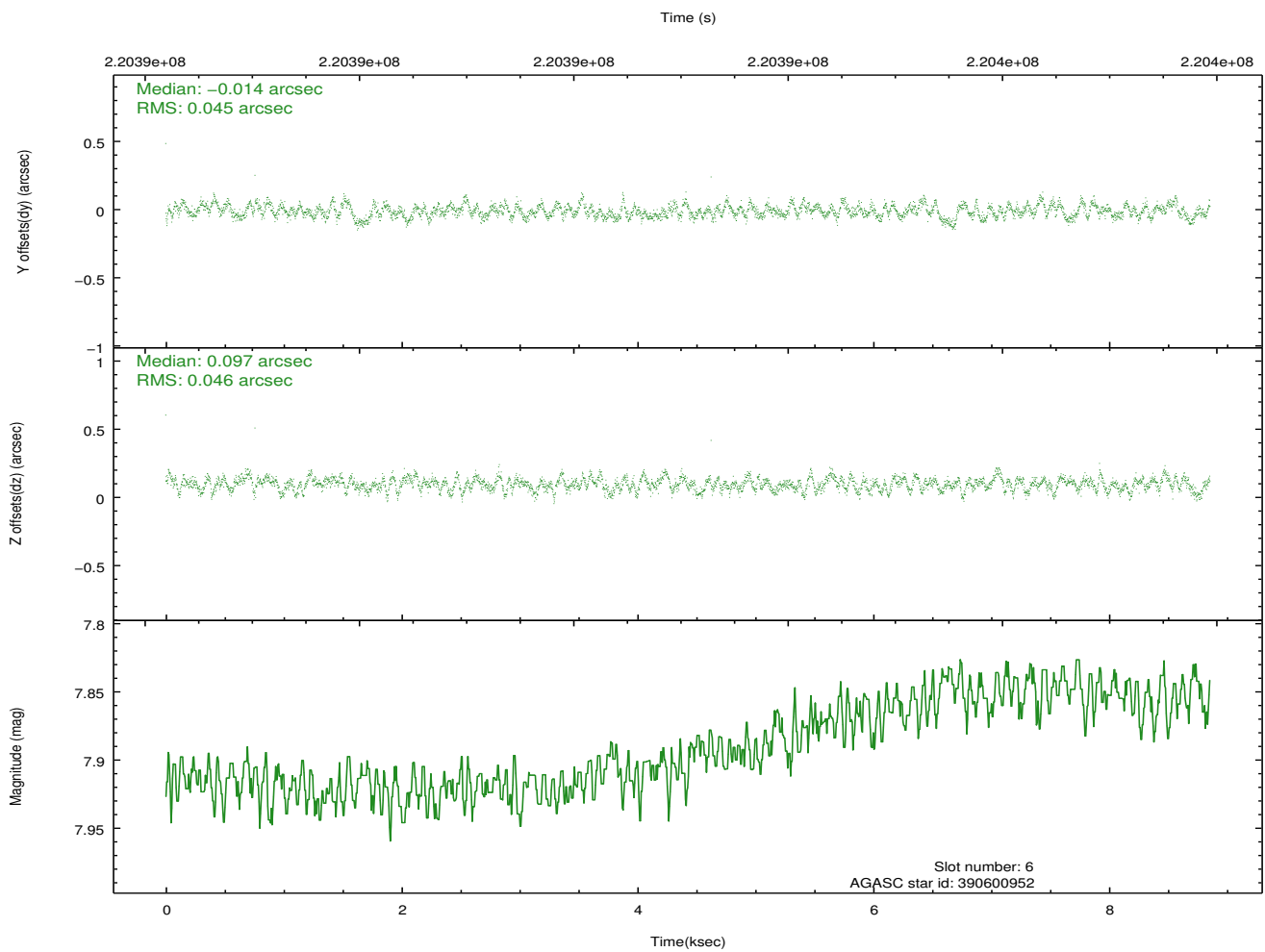
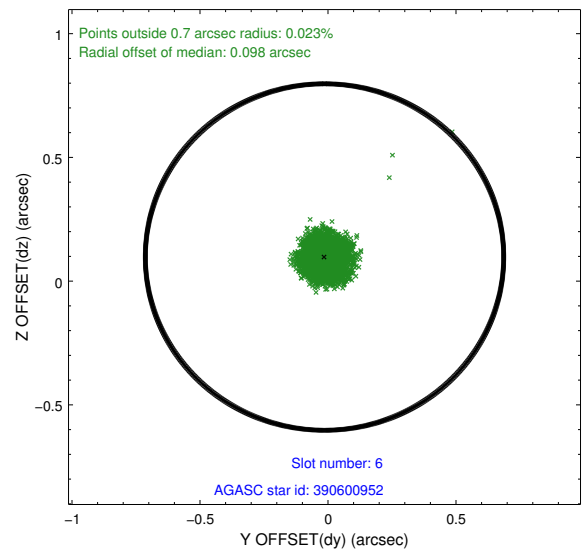
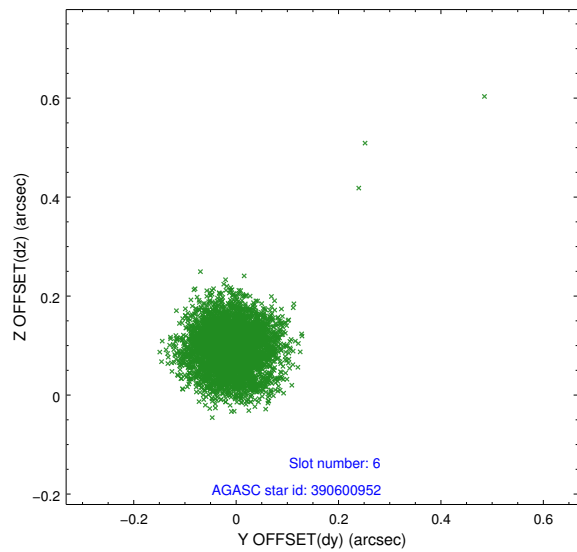
2.4.2 Slot 4



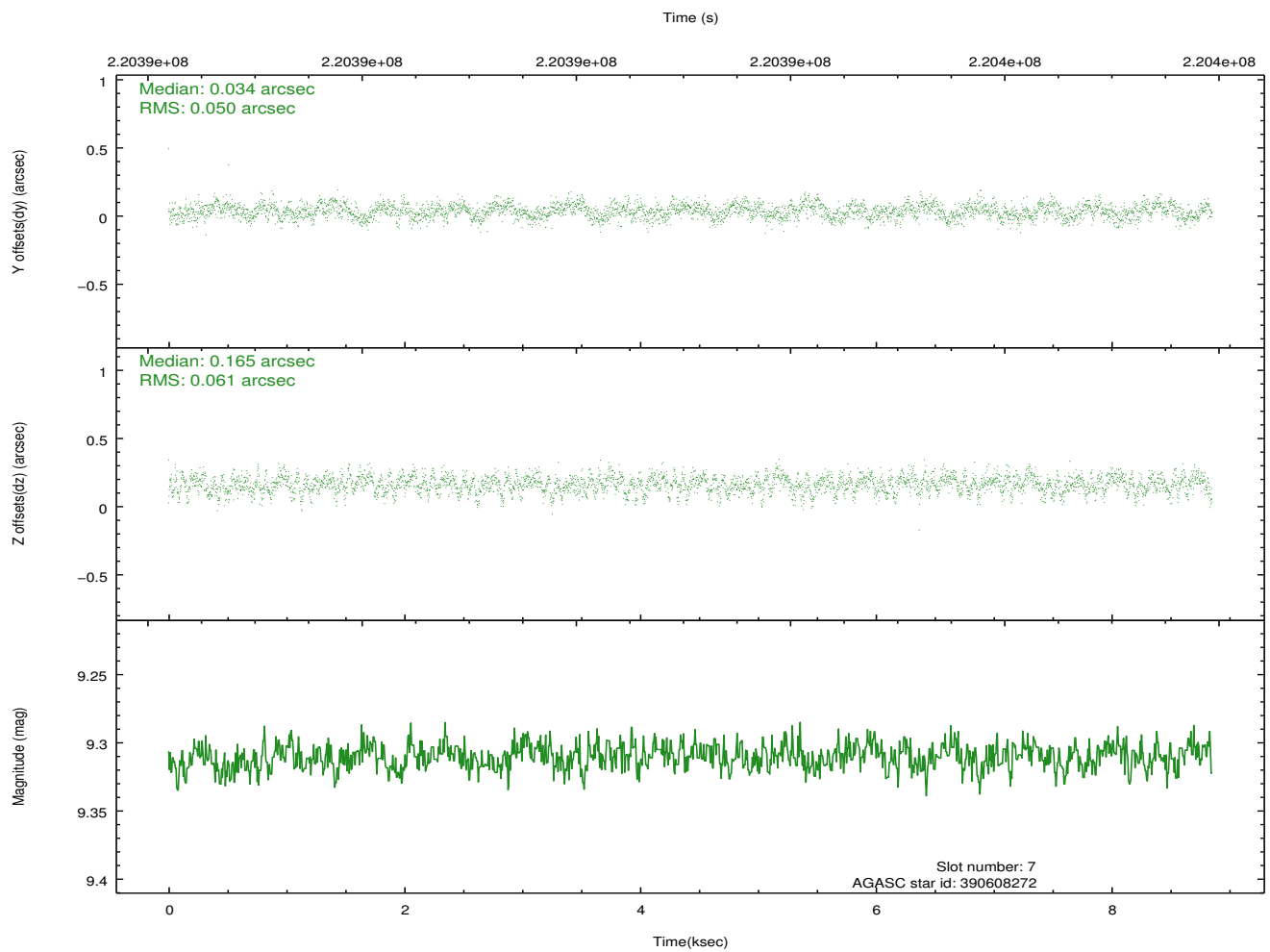
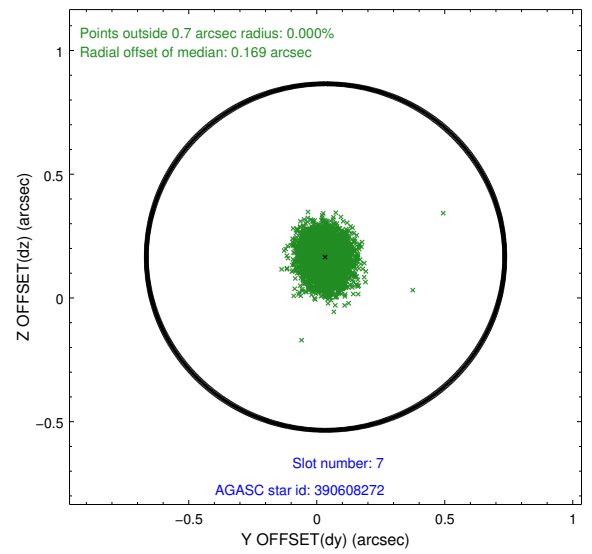
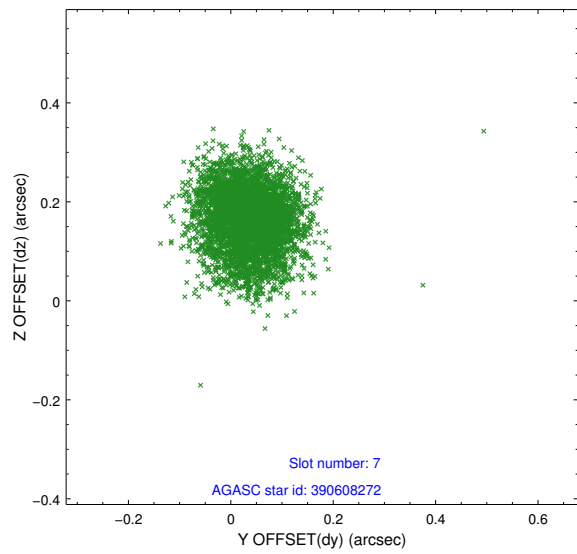
2.4.3 Slot 5



2.4.4 Slot 6

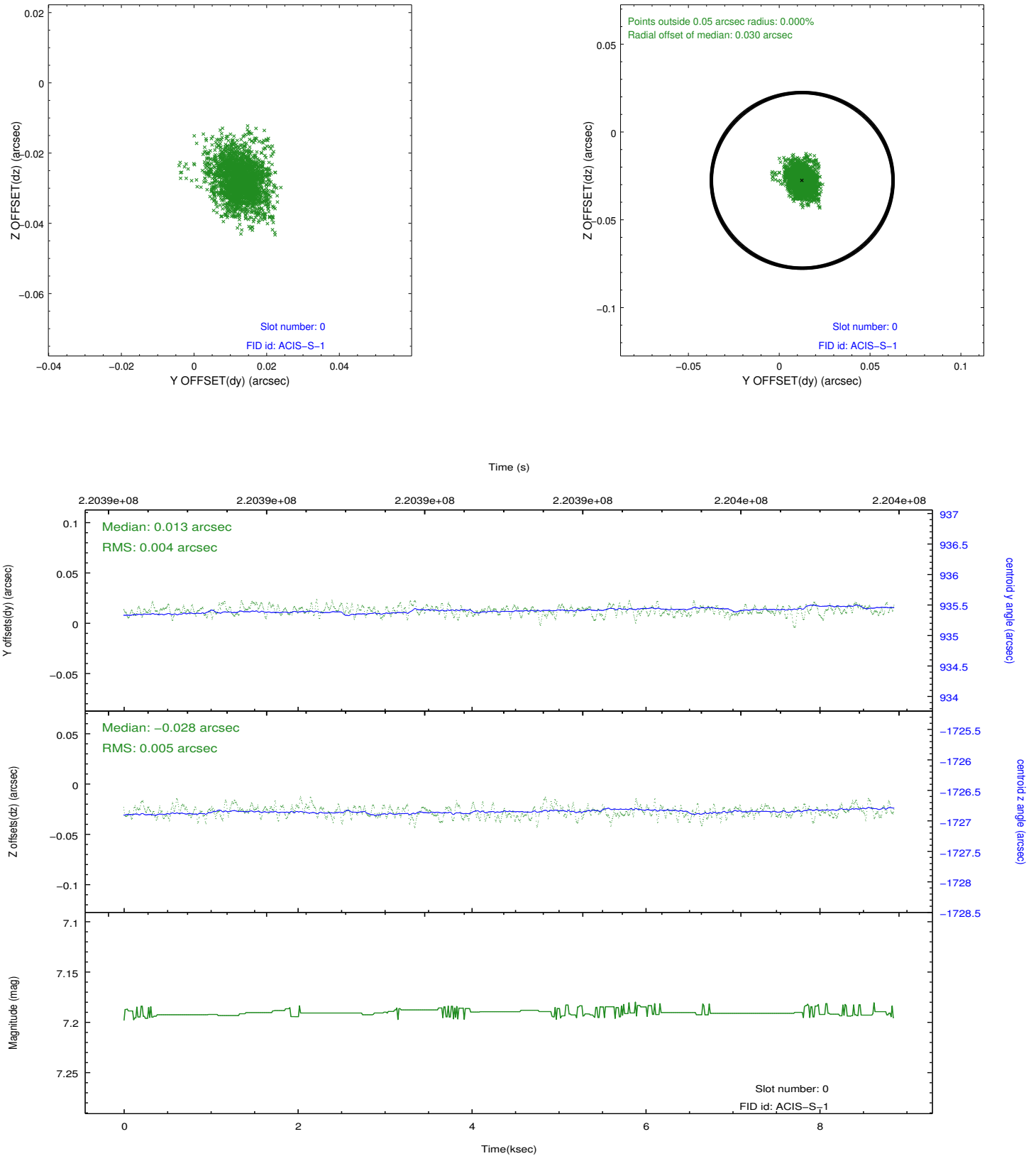


2.4.5 Slot 7

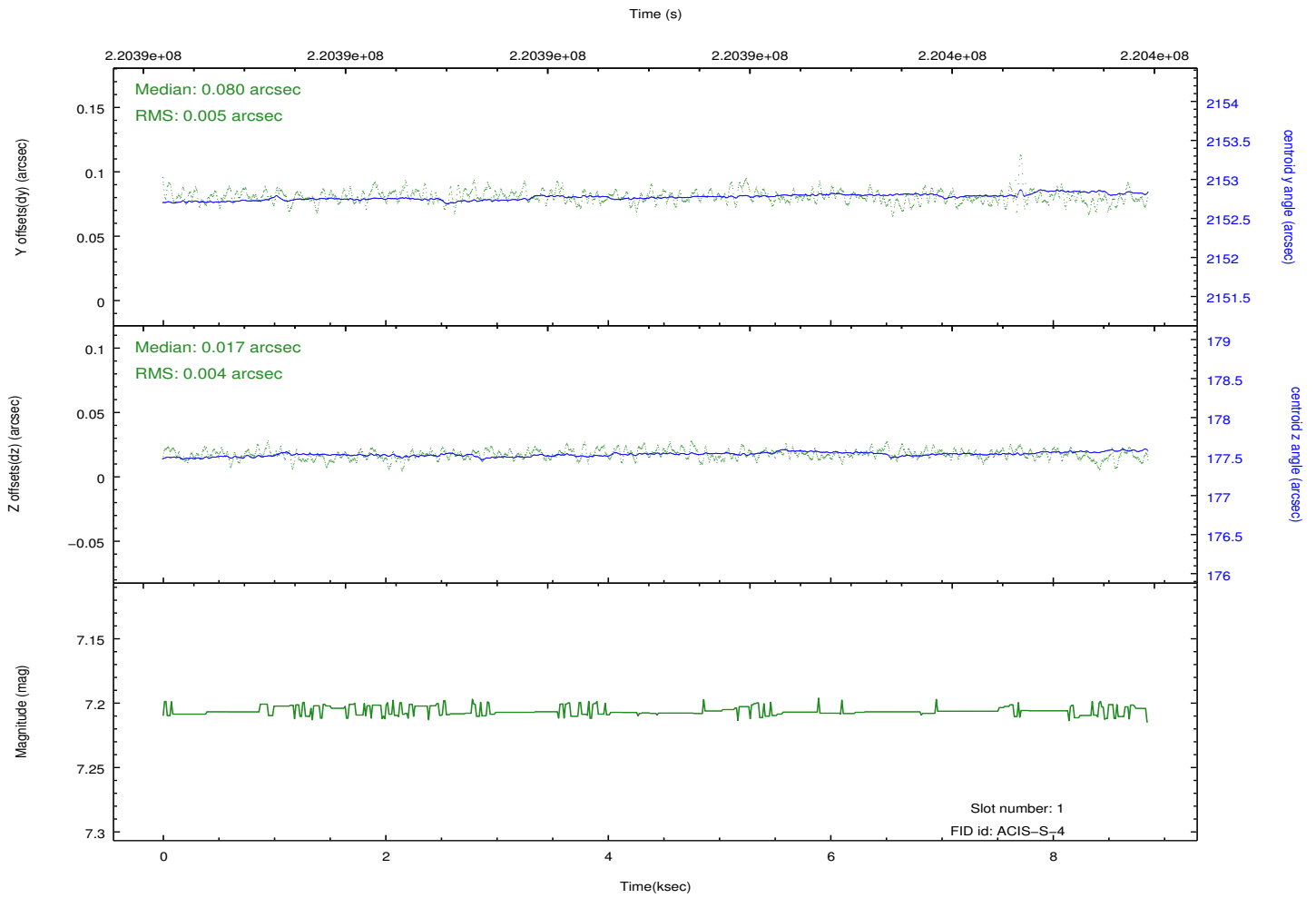
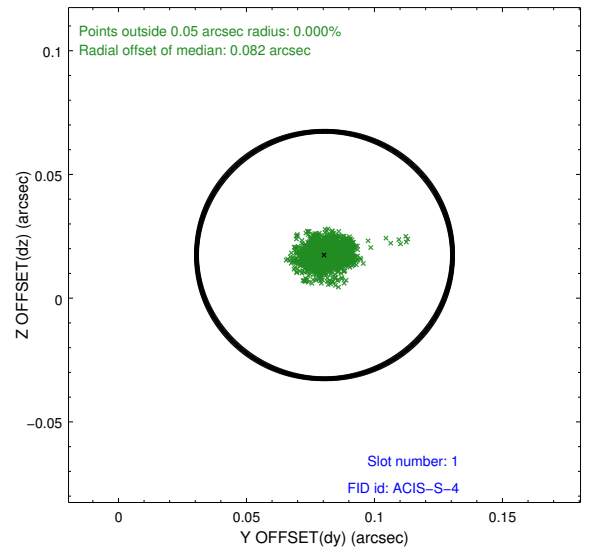
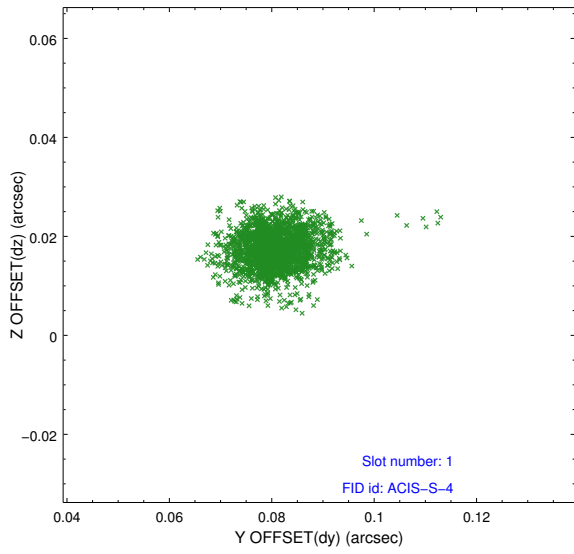


2.5 FID Slots

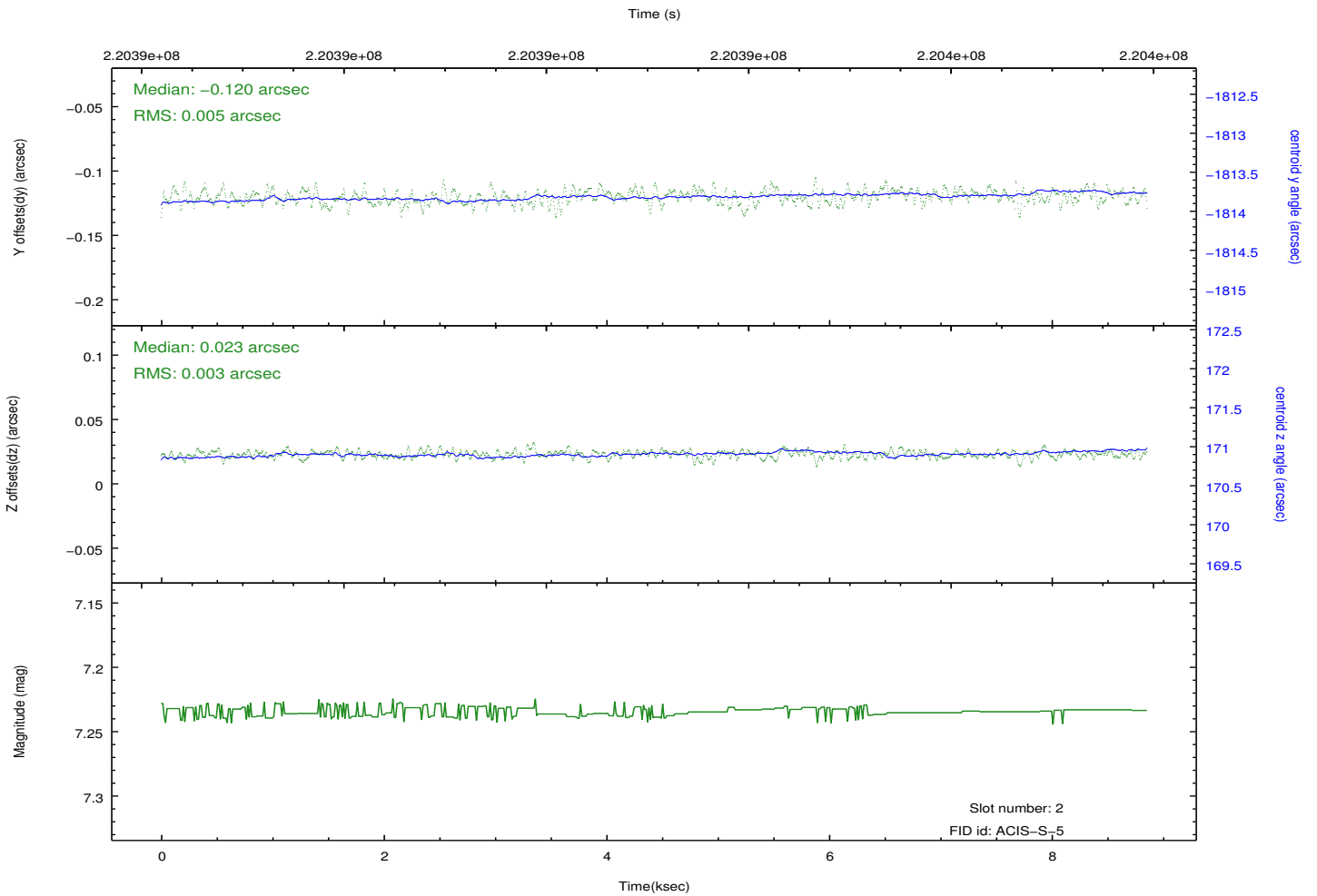
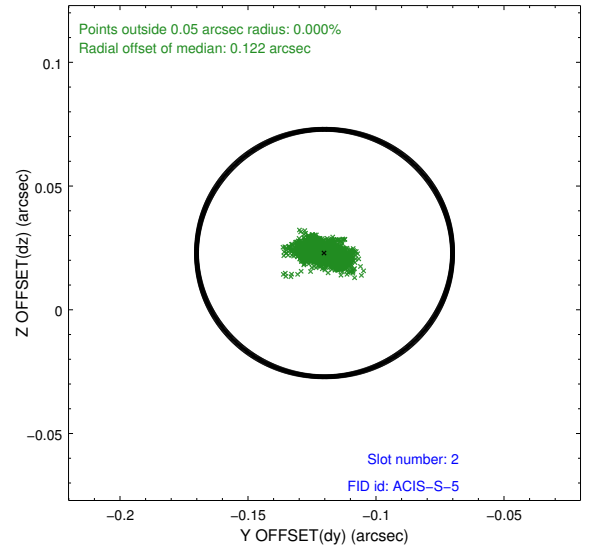
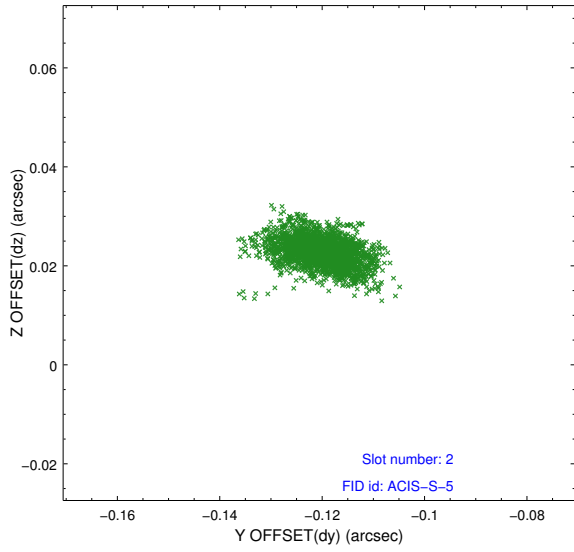
2.5.1 Slot 0



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)	2013.01.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.278399

A.2 Comments