

V&V Reference Report

L2 ASCDS Version : 8.5

Observation 5039 - L2 Version 3
Chandra X-Ray Center

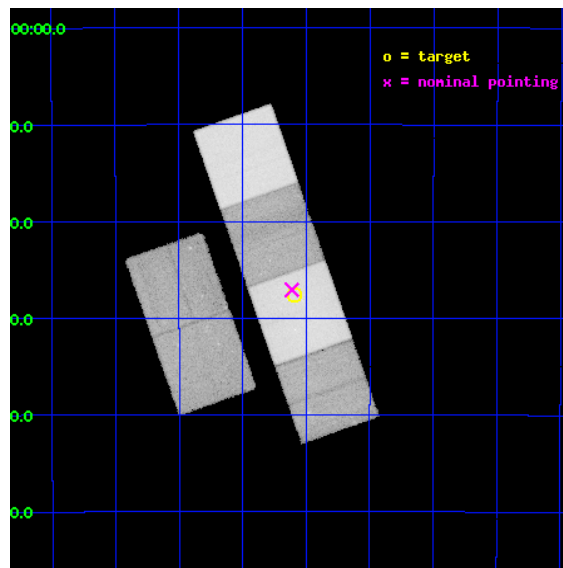
L2 Processing Date : Dec 8 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

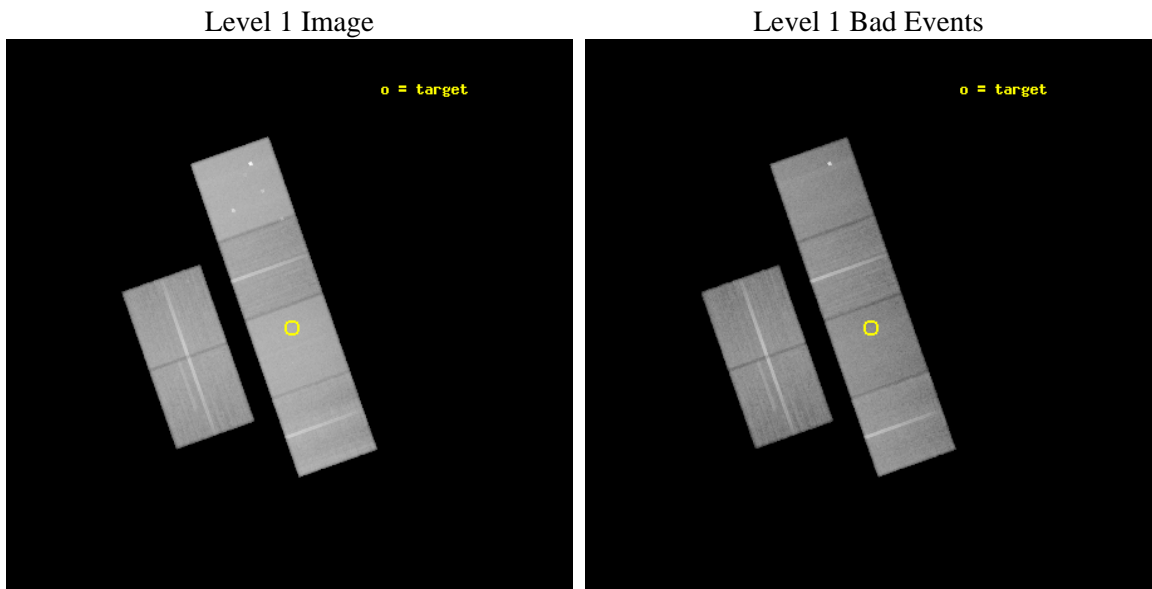
seq_num	900345	Sequence number
obs_id	5039	Observation id
title	The Missing Baryons in the Local Group	Proposal title
observer	Dr. Joel Bregman	Principal investigator
object	MS30.7_off	Source name
dtycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	3.772833	Observer's specified target RA [deg]
dec_targ	-27.459639	Observer's specified target Dec [deg]
ra_nom	3.7781878688582	Nominal RA [deg]
dec_nom	-27.451212601139	Nominal Dec [deg]
roll_nom	70.626425460599	Nominal Roll [deg]
revision	3	Processing version of data
ontime	49884.799814165	Sum of GTIs [s]
lvertime	49253.128441897	Livetime [s]
ontime2	49881.558823884	Sum of GTIs [s]
ontime3	49884.799814165	Sum of GTIs [s]
ontime5	49884.799814165	Sum of GTIs [s]
ontime6	49884.799814165	Sum of GTIs [s]
ontime7	49884.799814165	Sum of GTIs [s]
ontime8	49884.762511551	Sum of GTIs [s]
l2events	757954	Number of level 2 events



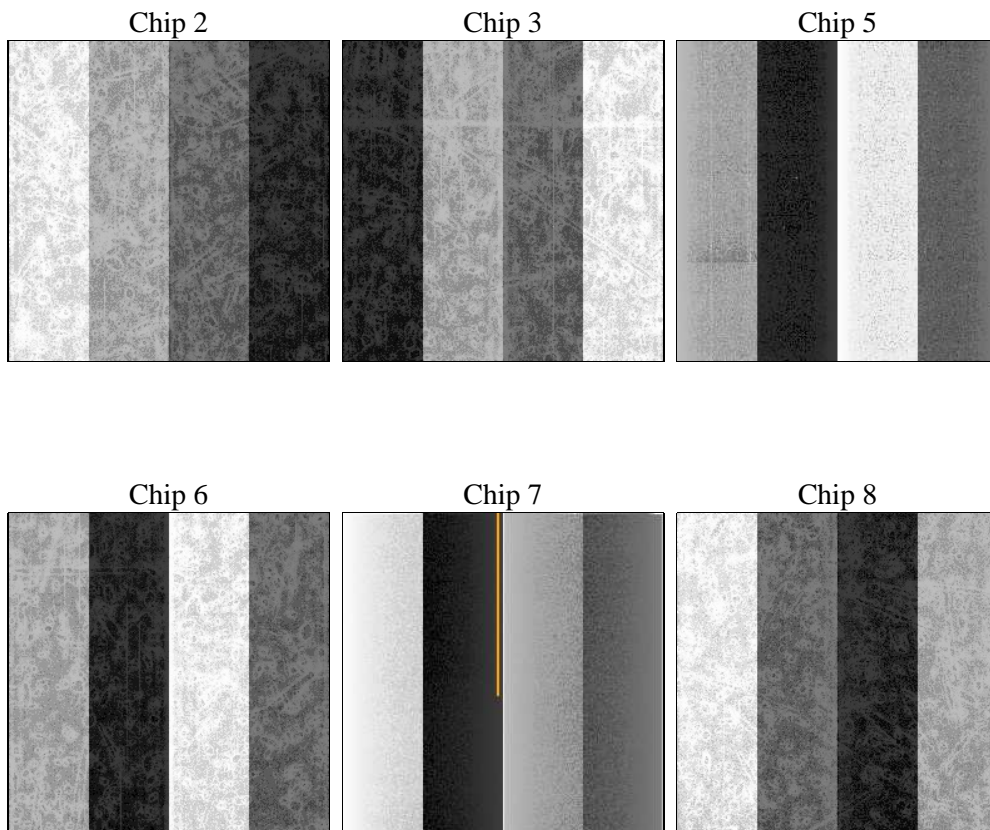
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	3	Obi number	sched_exp_time	49929.440000	[s] Scheduled observation exposure time
ascdsver	8.5	Processing system revision	ontime	49884.799814165	Sum of GTIs [s]
caldbver	4.5.4	 	ontime2	49881.558823884	Sum of GTIs [s]
date	2012-12-07T19:28:27	Date and time of file creation	ontime3	49884.799814165	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	49884.799814165	Sum of GTIs [s]
			ontime6	49884.799814165	Sum of GTIs [s]
			ontime7	49884.799814165	Sum of GTIs [s]
			ontime8	49884.762511551	Sum of GTIs [s]
			l1events	2822381	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	392543	372560	615046	391998	558928	491306	grade 0 events	29426	28937	31324	31358	23614	46180
rejected events	336330	316986	309958	330604	294911	372308		7%	7%	5%	7%	4%	9%
rejected %	85%	85%	50%	84%	52%	75%	grade 1 events	266	291	727	247	523	350
								0%	0%	0%	0%	0%	0%
							grade 2 events	10368	9765	91812	11510	49815	24358
								2%	2%	14%	2%	8%	4%
							grade 3 events	4417	4649	13158	4520	21780	11122
								1%	1%	2%	1%	3%	2%
							grade 4 events	4501	4527	12522	4597	21664	10448
								1%	1%	2%	1%	3%	2%
							grade 5 events	14481	16546	42067	17404	47478	22106
								3%	4%	6%	4%	8%	4%
							grade 6 events	7507	7698	156293	9413	147164	26895
								1%	2%	25%	2%	26%	5%
							grade 7 events	321577	300147	267143	312949	246890	349847
								81%	80%	43%	79%	44%	71%

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	3.784260	3.778187868858183	Subarray requested	NONE	NONE
[deg] Pointing Dec	-27.477912	-27.45121260113867	Alternating exposures requested	N	N
[deg] Pointing Roll	70.472598	70.62642546059861	[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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	209435168.184000	209434196.98474			
Observation start date	2004-08-21T00:25:04	2004-08-21T00:09:56			
[s] Observation end time (MET)	209485097.184000	209485319.88702			
Observation end date	2004-08-21T14:17:13	2004-08-21T14:21:59			
Read mode	TIMED	TIMED			

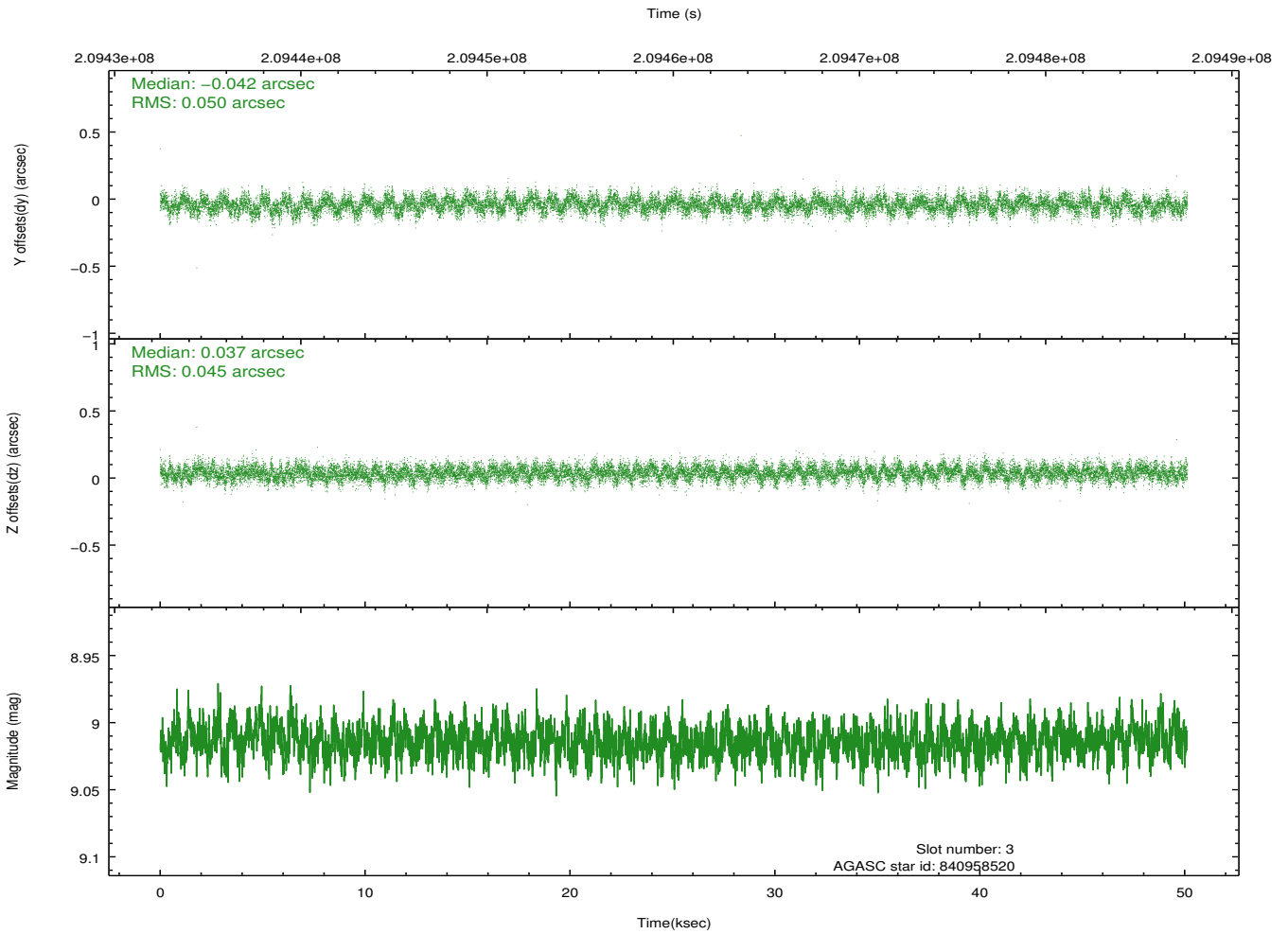
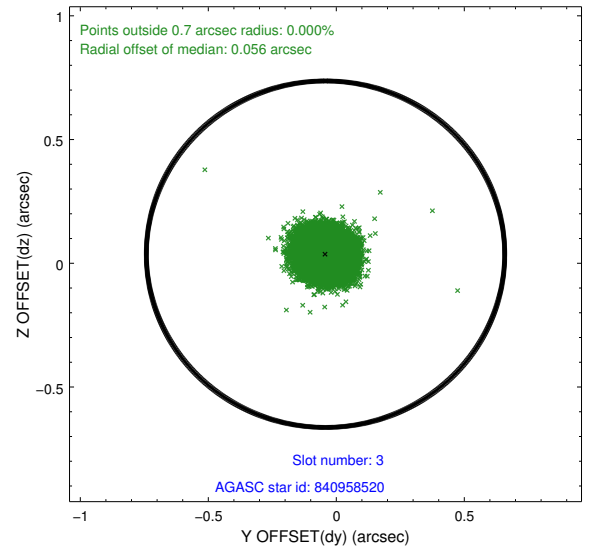
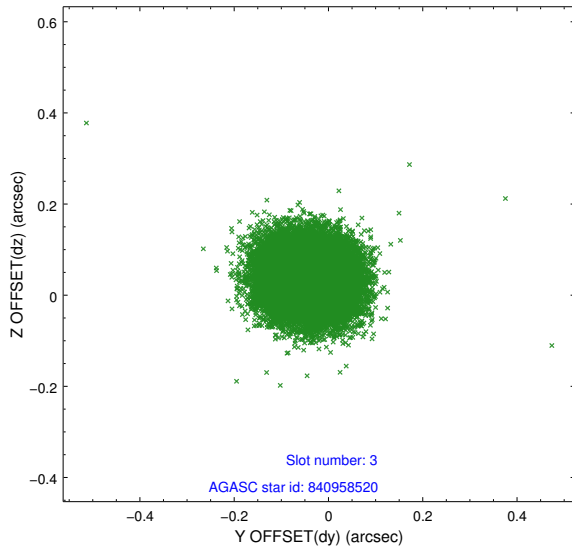
2.3 Aspect

Slot Statistics

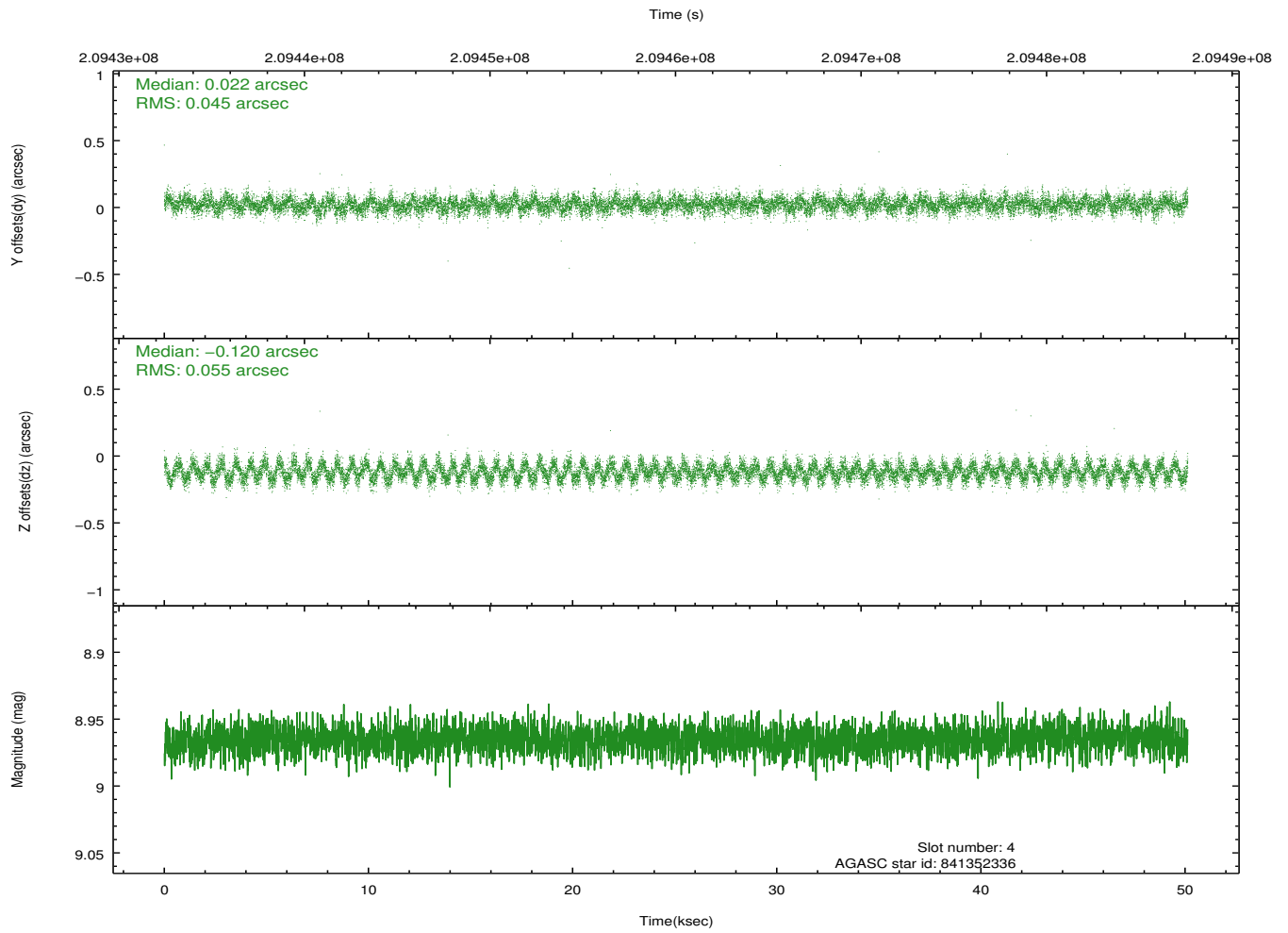
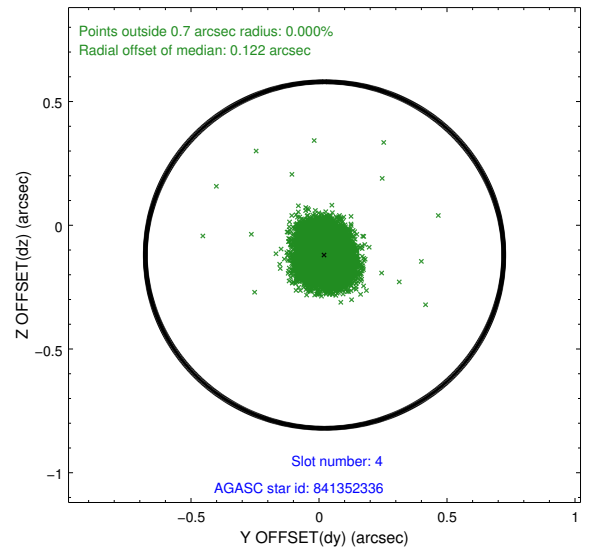
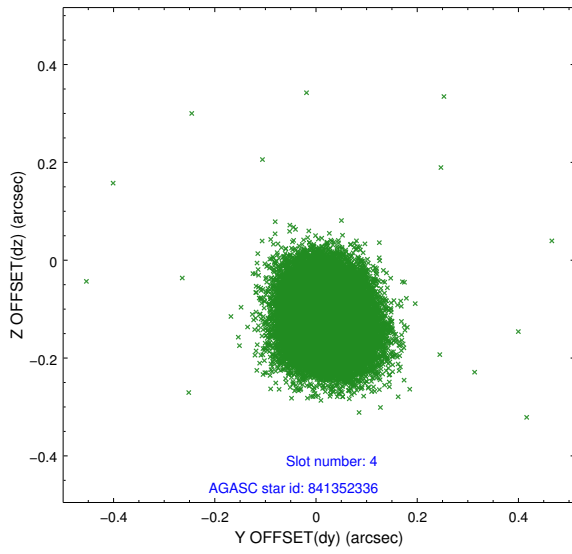
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	12229	-0.041	-0.037	0.008	0.015	0.000000	0.000000	-760.35	-1730.79
1	FID	ACIS-S-4	7.20	12228	0.099	0.030	0.011	0.018	0.000000	0.000000	2153.04	177.82
2	FID	ACIS-S-5	7.23	12229	-0.090	0.016	0.011	0.018	0.000000	0.000000	-1813.30	171.39
3	GUIDE	840958520	9.01	24431	-0.042	0.037	0.072	0.115	3.606307	-27.169909	853.85	908.07
4	GUIDE	841352336	8.97	24442	0.022	-0.120	0.076	0.120	3.763646	-27.502481	-104.92	32.31
5	GUIDE	841354056	8.10	24454	-0.030	-0.000	0.084	0.132	3.289758	-27.813509	-1667.96	1079.00
6	GUIDE	841354256	8.44	24453	0.048	-0.029	0.081	0.132	3.053997	-27.784539	-1824.30	1820.58
7	GUIDE	841354448	9.37	24438	0.005	0.112	0.105	0.168	4.042978	-27.778320	-744.98	-1137.43

2.4 Star Slots

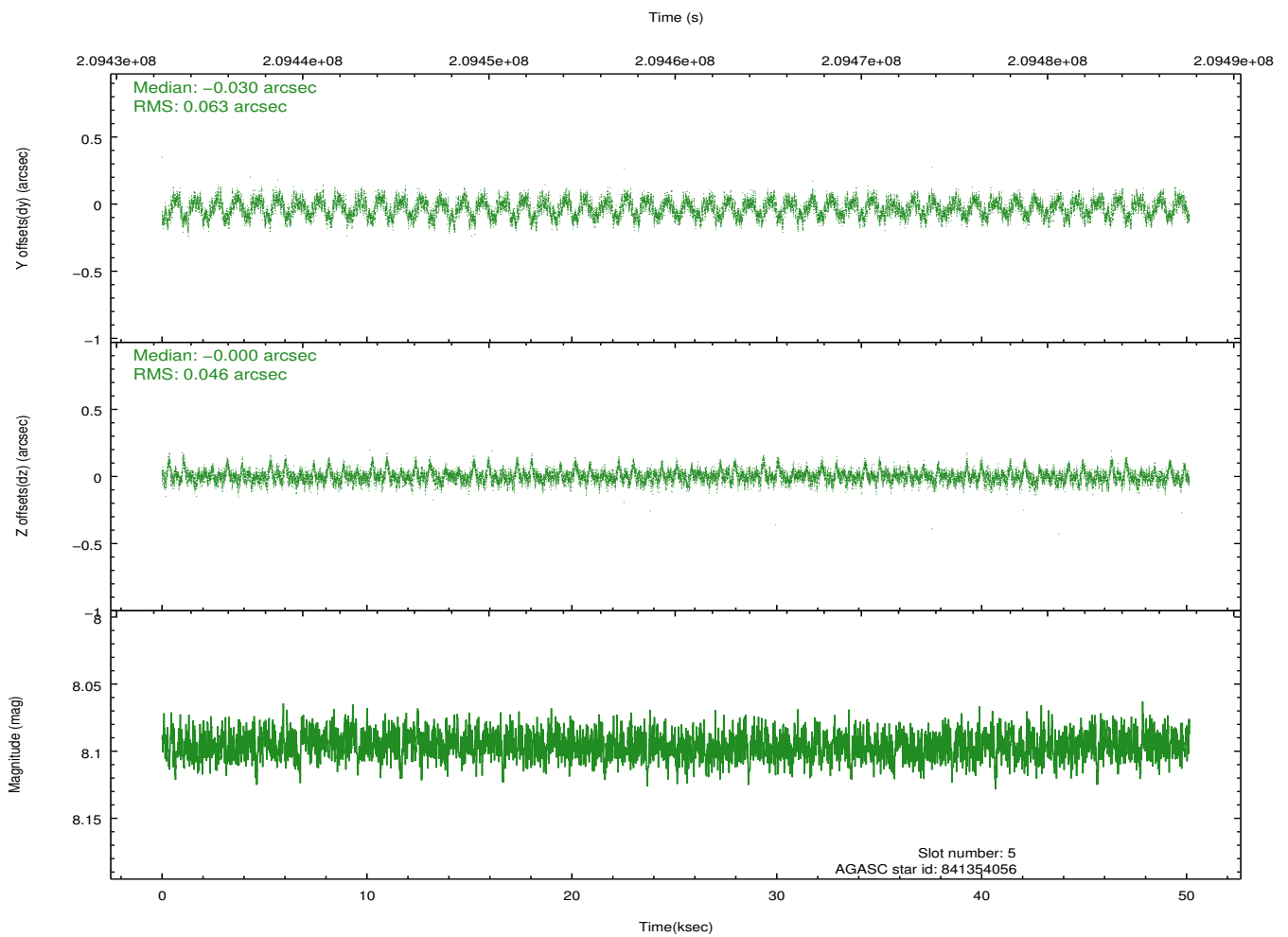
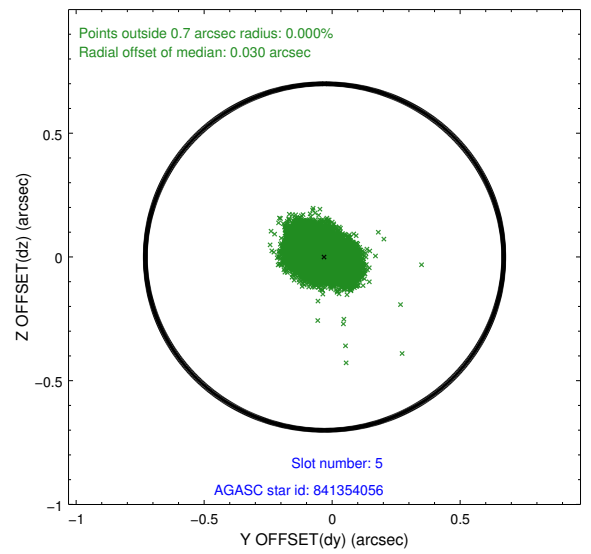
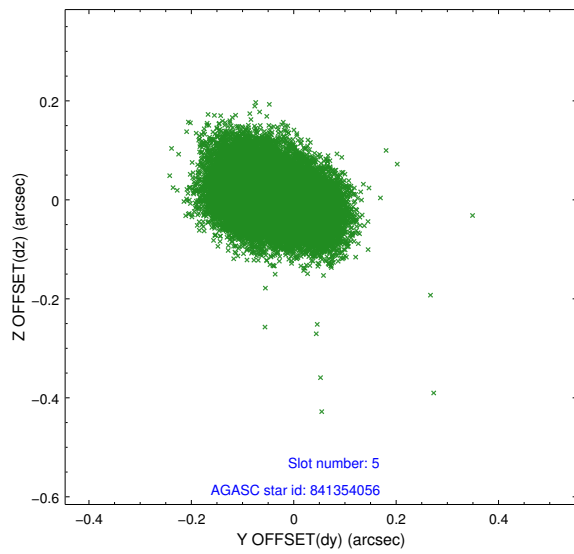
2.4.1 Slot 3



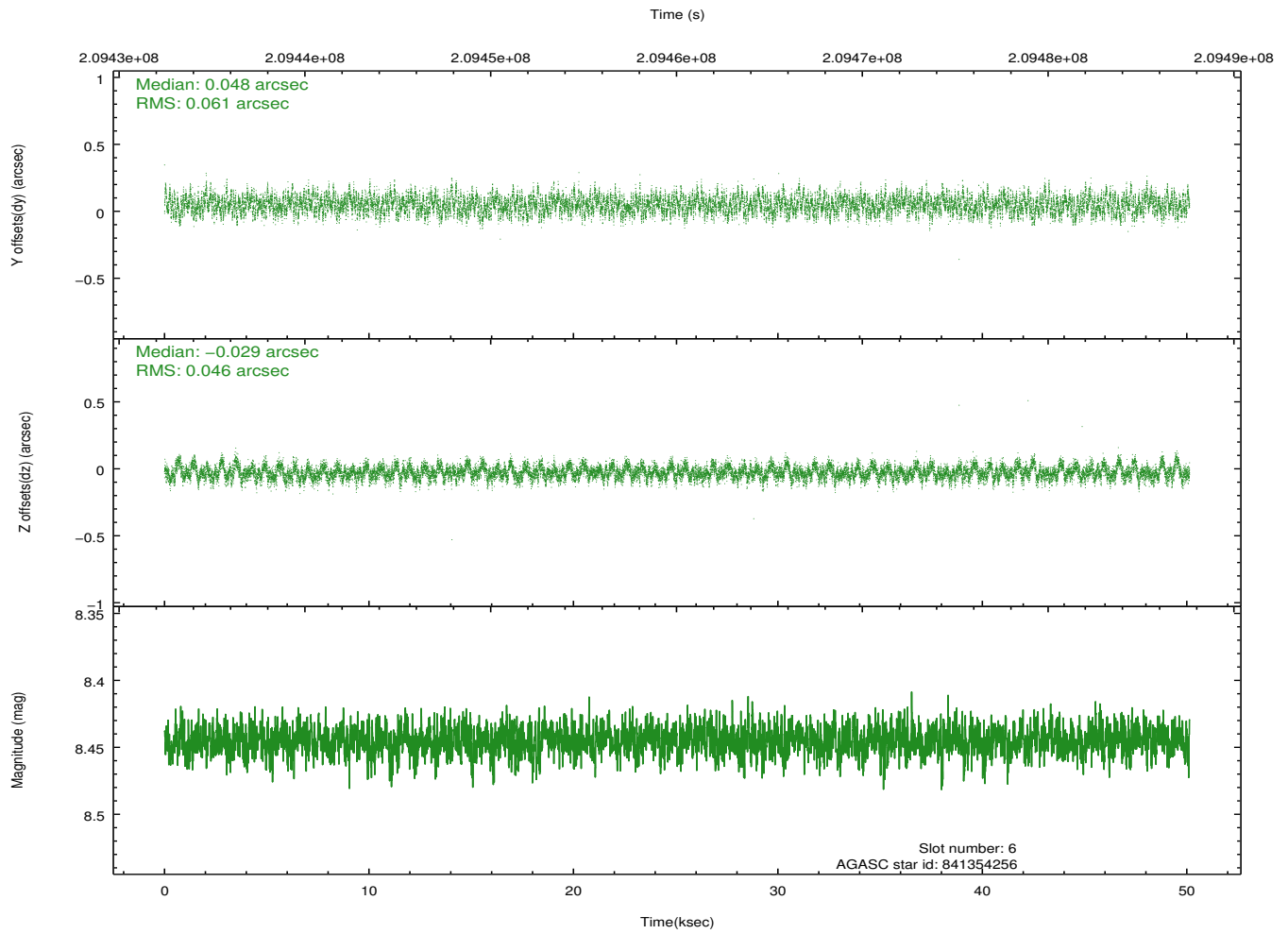
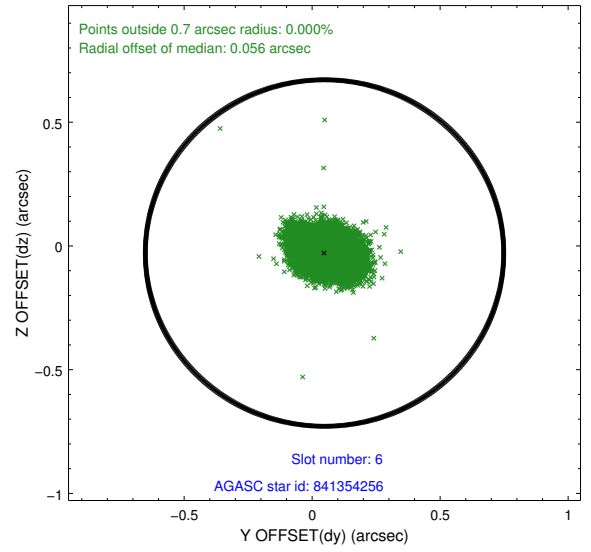
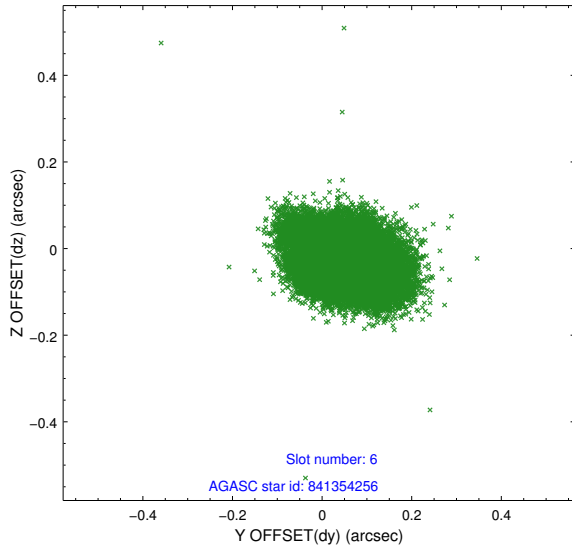
2.4.2 Slot 4



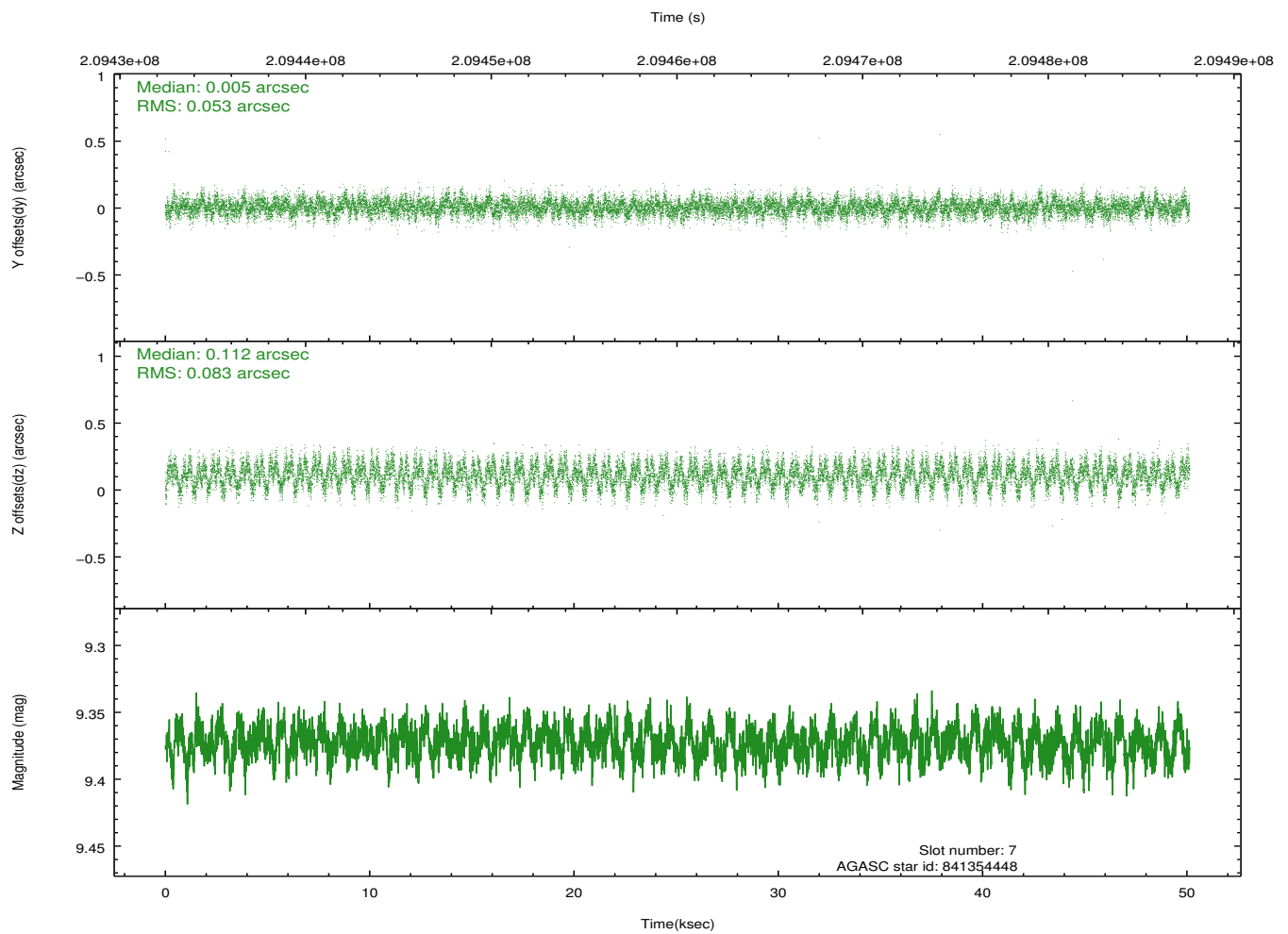
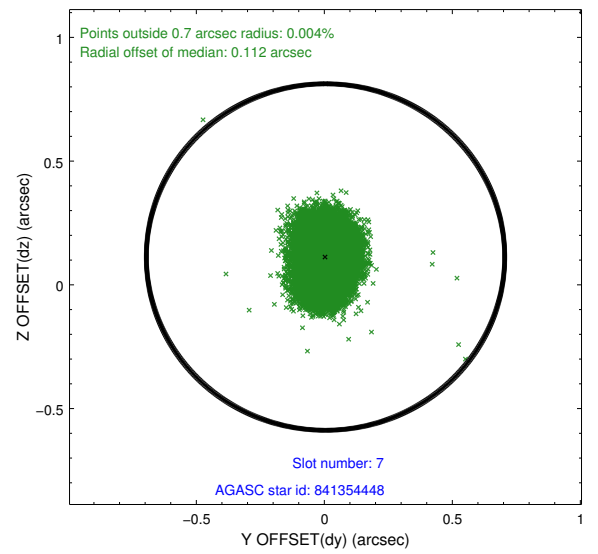
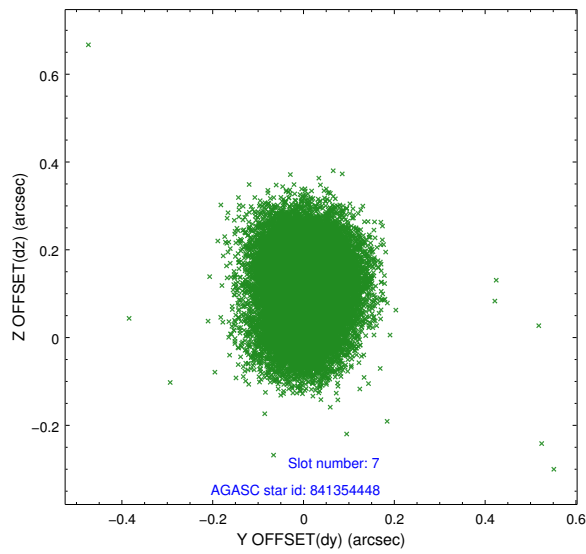
2.4.3 Slot 5



2.4.4 Slot 6

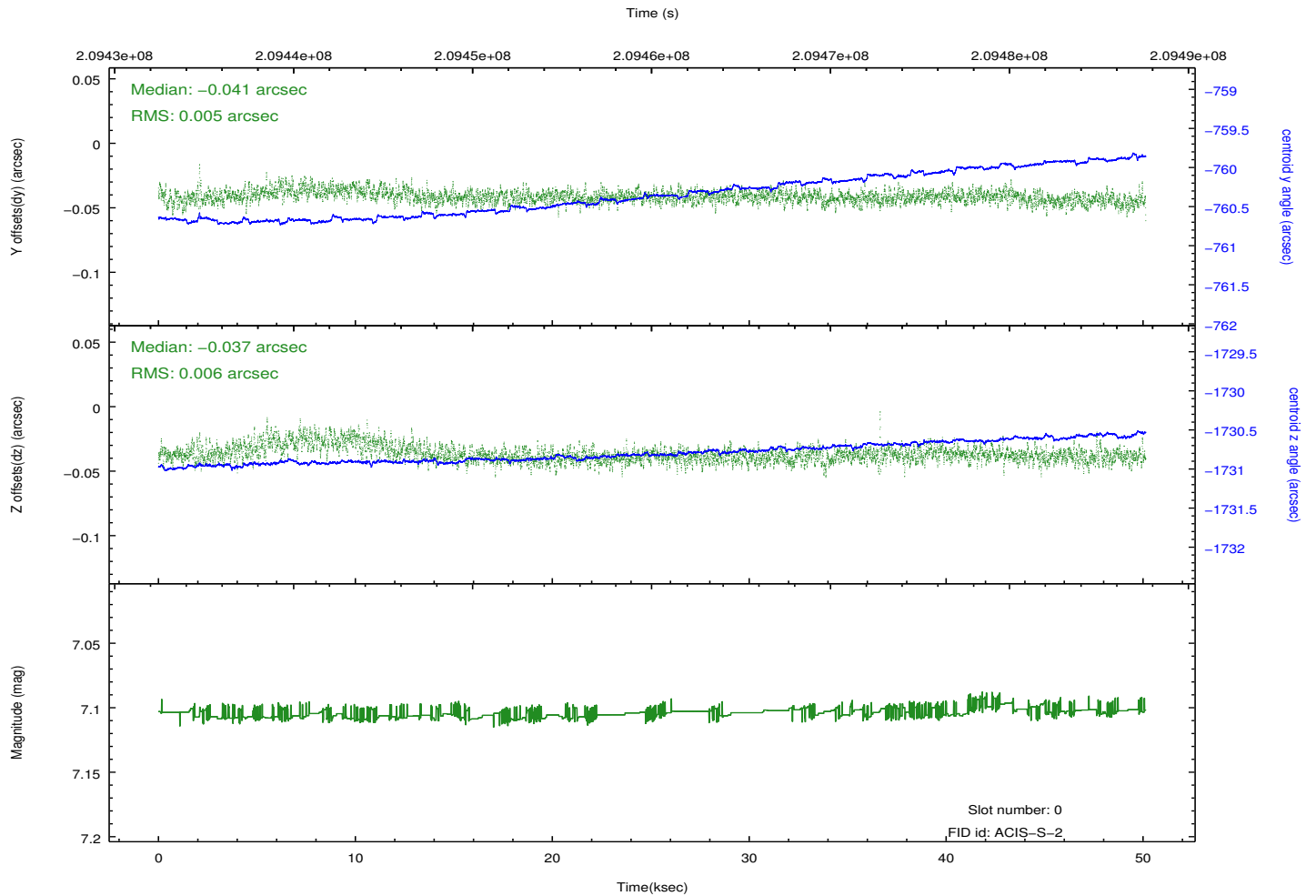
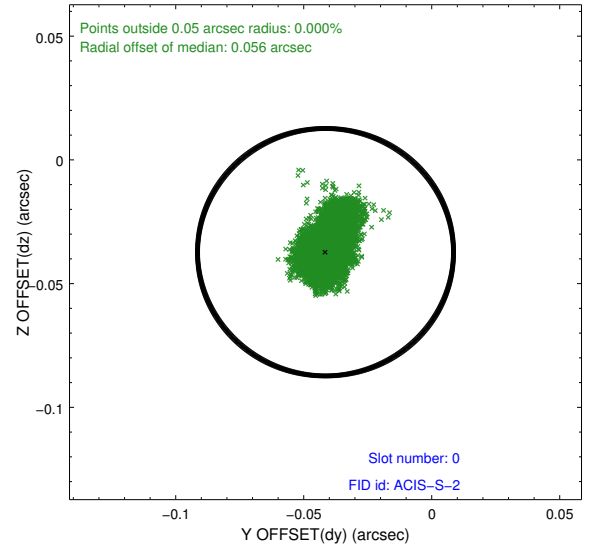
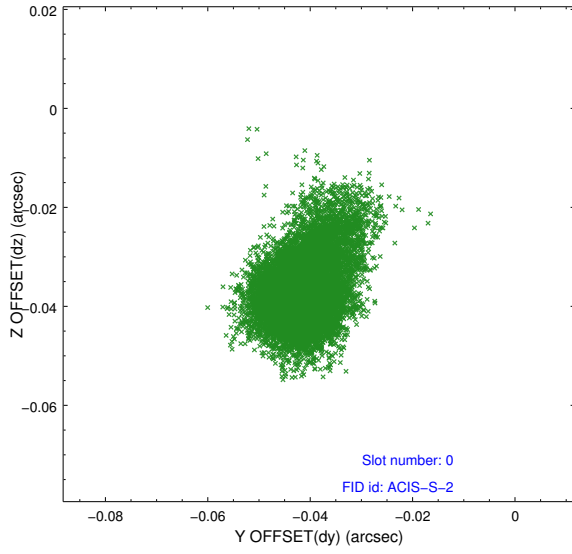


2.4.5 Slot 7

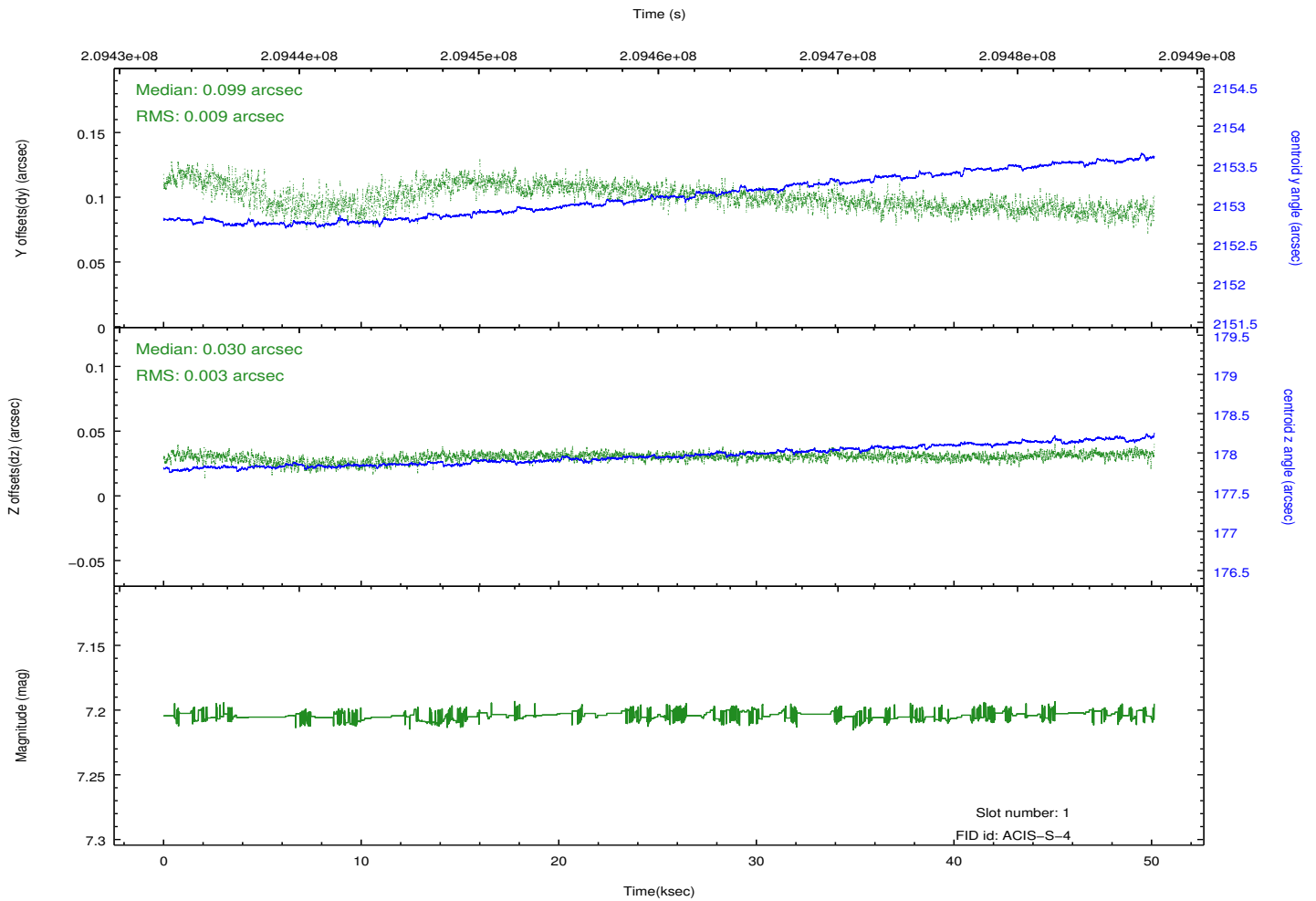
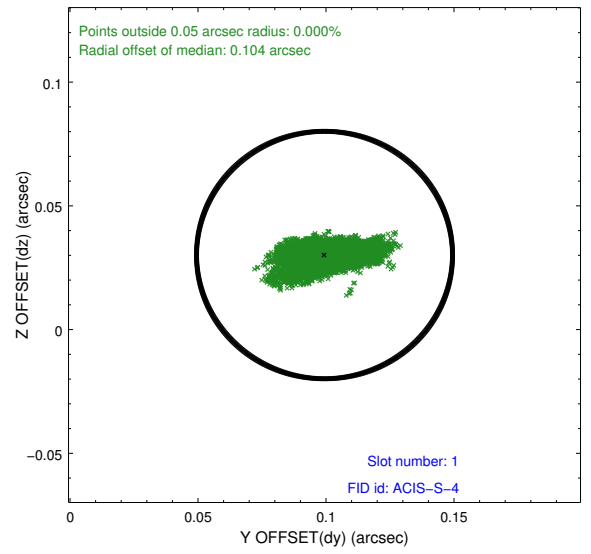
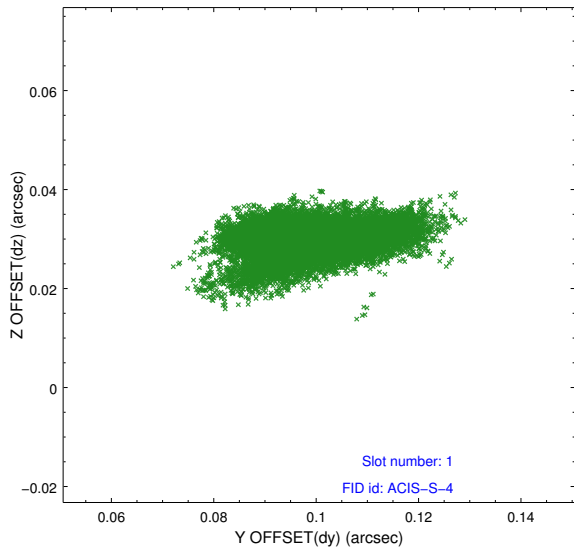


2.5 FID Slots

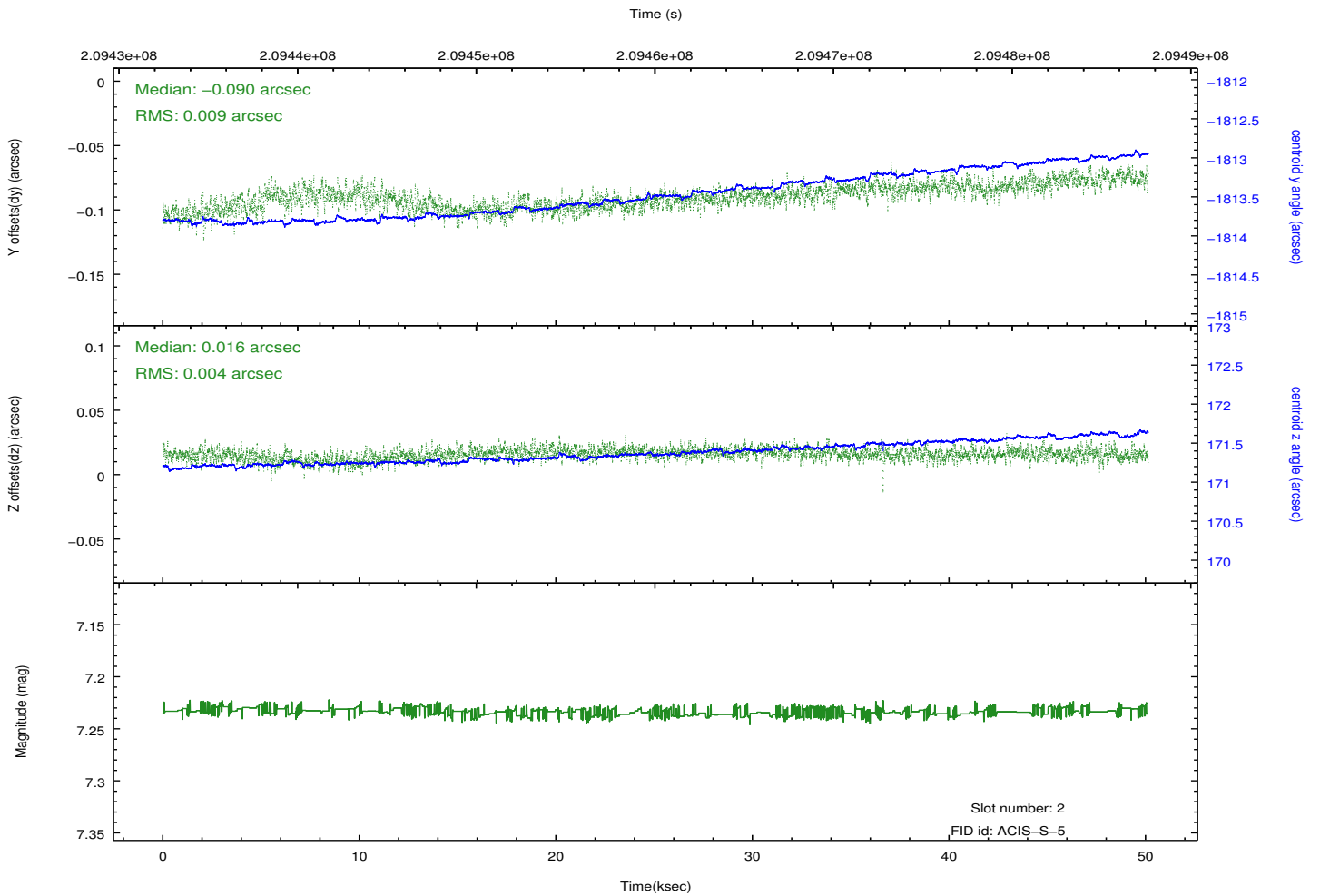
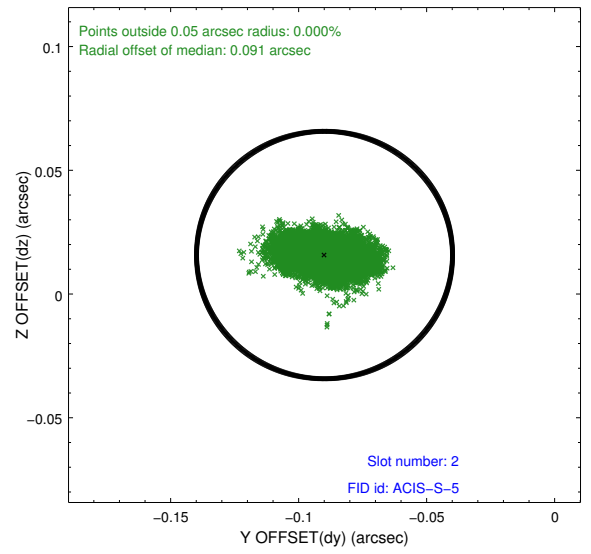
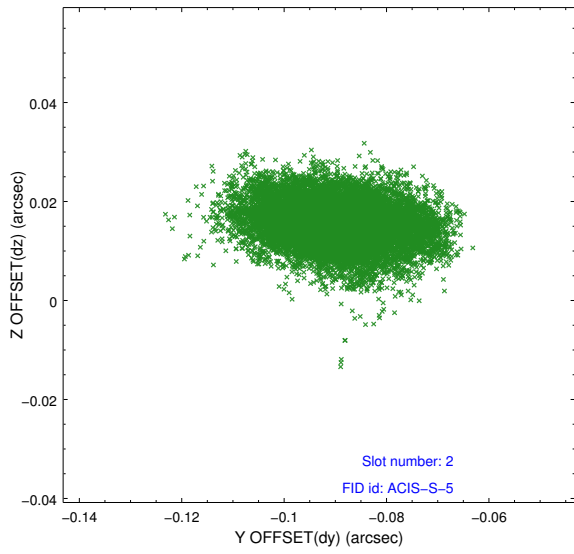
2.5.1 Slot 0



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)	2012.12.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	49.884

A.2 Comments