

V&V Reference Report

L2 ASCDS Version : 8.5.1

Observation 5038 - L2 Version 3
Chandra X-Ray Center

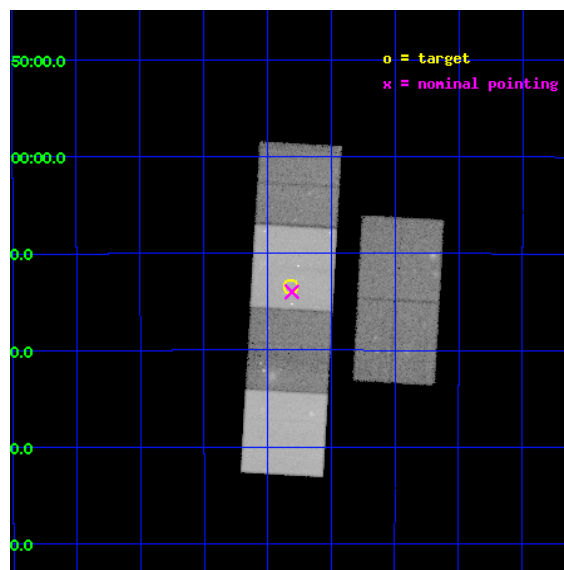
L2 Processing Date : Dec 16 2012

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

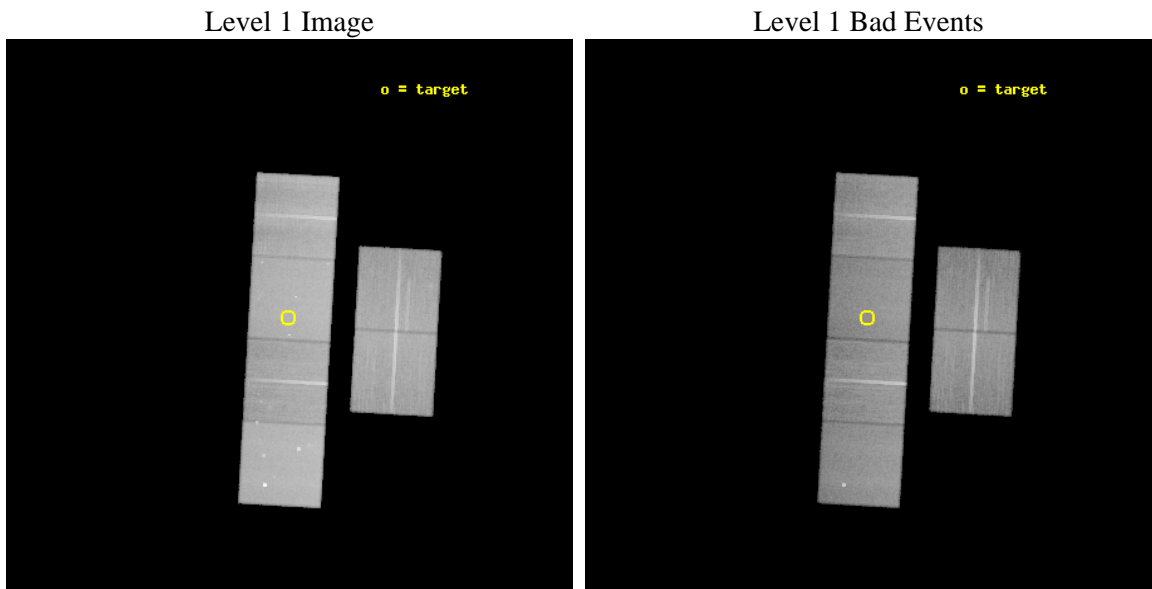
seq_num	900344	Sequence number
obs_id	5038	Observation id
title	The Missing Baryons in the Local Group	Proposal title
observer	Dr. Joel Bregman	Principal investigator
object	MS30.7	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	3.32875	Observer's specified target RA [deg]
dec_targ	-27.223333	Observer's specified target Dec [deg]
ra_nom	3.3274542037491	Nominal RA [deg]
dec_nom	-27.232938464418	Nominal Dec [deg]
roll_nom	273.25704511847	Nominal Roll [deg]
revision	3	Processing version of data
ontime	50143.999813199	Sum of GTIs [s]
livetime	49509.046294473	Livetime [s]
ontime2	50140.758823007	Sum of GTIs [s]
ontime3	50143.999813199	Sum of GTIs [s]
ontime5	50143.999813199	Sum of GTIs [s]
ontime6	50143.999813199	Sum of GTIs [s]
ontime7	50143.999813199	Sum of GTIs [s]
ontime8	50143.999813199	Sum of GTIs [s]
l2events	601682	Number of level 2 events



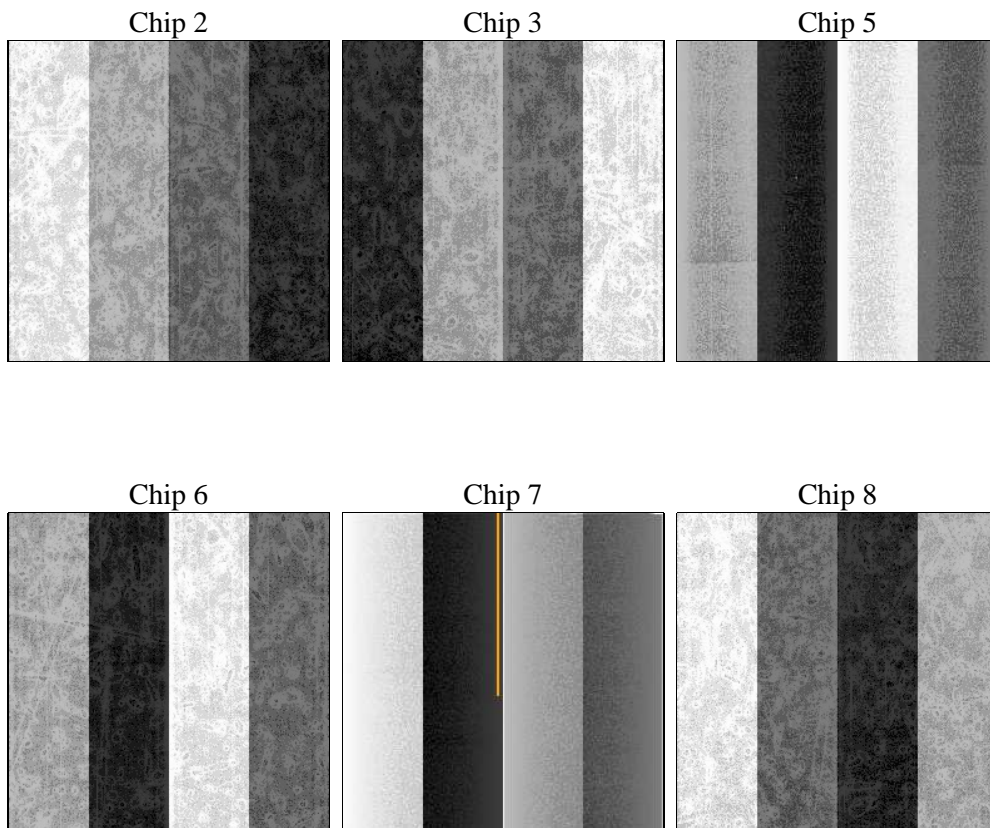
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	50000.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1	Processing system revision	ontime	50143.999813199	Sum of GTIs [s]
caldbver	4.5.5	 	ontime2	50140.758823007	Sum of GTIs [s]
date	2012-12-16T14:35:55	Date and time of file creation	ontime3	50143.999813199	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	50143.999813199	Sum of GTIs [s]
			ontime6	50143.999813199	Sum of GTIs [s]
			ontime7	50143.999813199	Sum of GTIs [s]
			ontime8	50143.999813199	Sum of GTIs [s]
			l1events	2577390	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	368677	347923	546507	364659	494238	455386	grade 0 events	20740	20028	24339	19655	19922	32829
rejected events	322993	304023	295000	318148	284575	353091		5%	5%	4%	5%	4%	7%
rejected %	87%	87%	53%	87%	57%	77%	grade 1 events	247	231	719	193	496	321
								0%	0%	0%	0%	0%	0%
							grade 2 events	9314	8227	77516	9375	41925	22418
								2%	2%	14%	2%	8%	4%
							grade 3 events	4049	4160	9940	4370	18620	11013
								1%	1%	1%	1%	3%	2%
							grade 4 events	4067	4141	9049	4106	18486	10055
								1%	1%	1%	1%	3%	2%
							grade 5 events	14447	15699	39087	16500	46472	21607
								3%	4%	7%	4%	9%	4%
							grade 6 events	7519	7350	130704	9014	110738	25990
								2%	2%	23%	2%	22%	5%
							grade 7 events	308294	288087	255153	301446	237579	331153
								83%	82%	46%	82%	48%	72%

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	3.310315	3.32745420374906	Subarray requested	NONE	NONE
[deg] Pointing Dec	-27.210361	-27.23293846441772	Alternating exposures requested	N	N
[deg] Pointing Roll	273.092575	273.2570451184653	[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)	223045173.184000	223044109.67007			
Observation start date	2005-01-25T12:58:29	2005-01-25T12:41:49			
[s] Observation end time (MET)	223095173.184000	223096042.32241			
Observation end date	2005-01-26T02:51:49	2005-01-26T03:07:22			
Read mode	TIMED	TIMED			

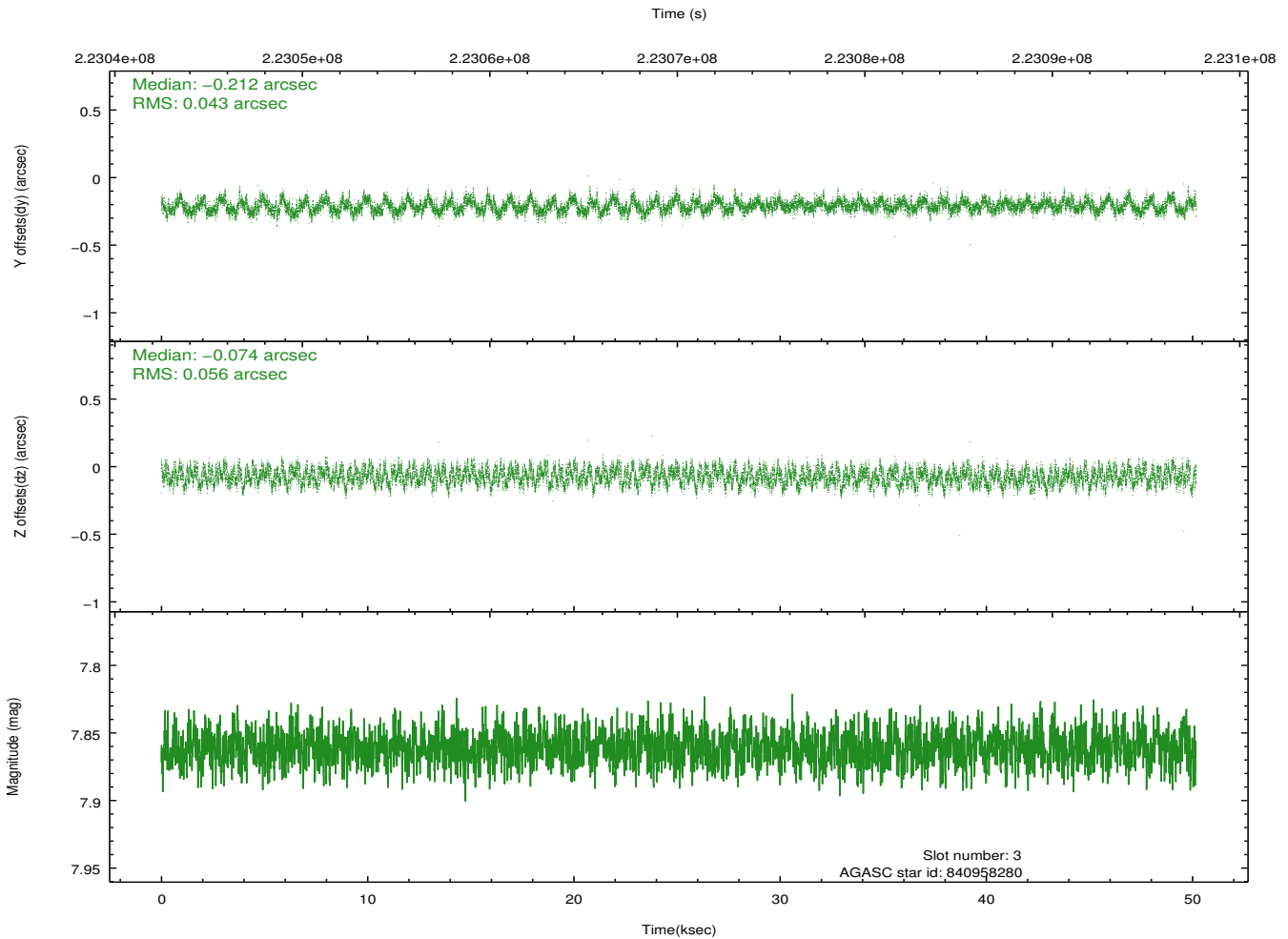
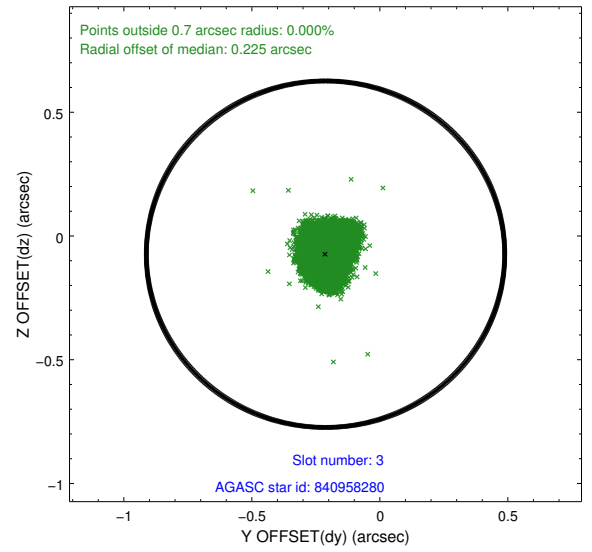
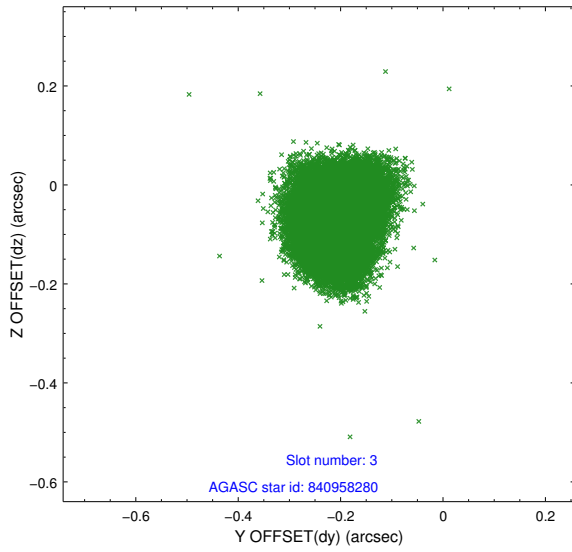
2.3 Aspect

Slot Statistics

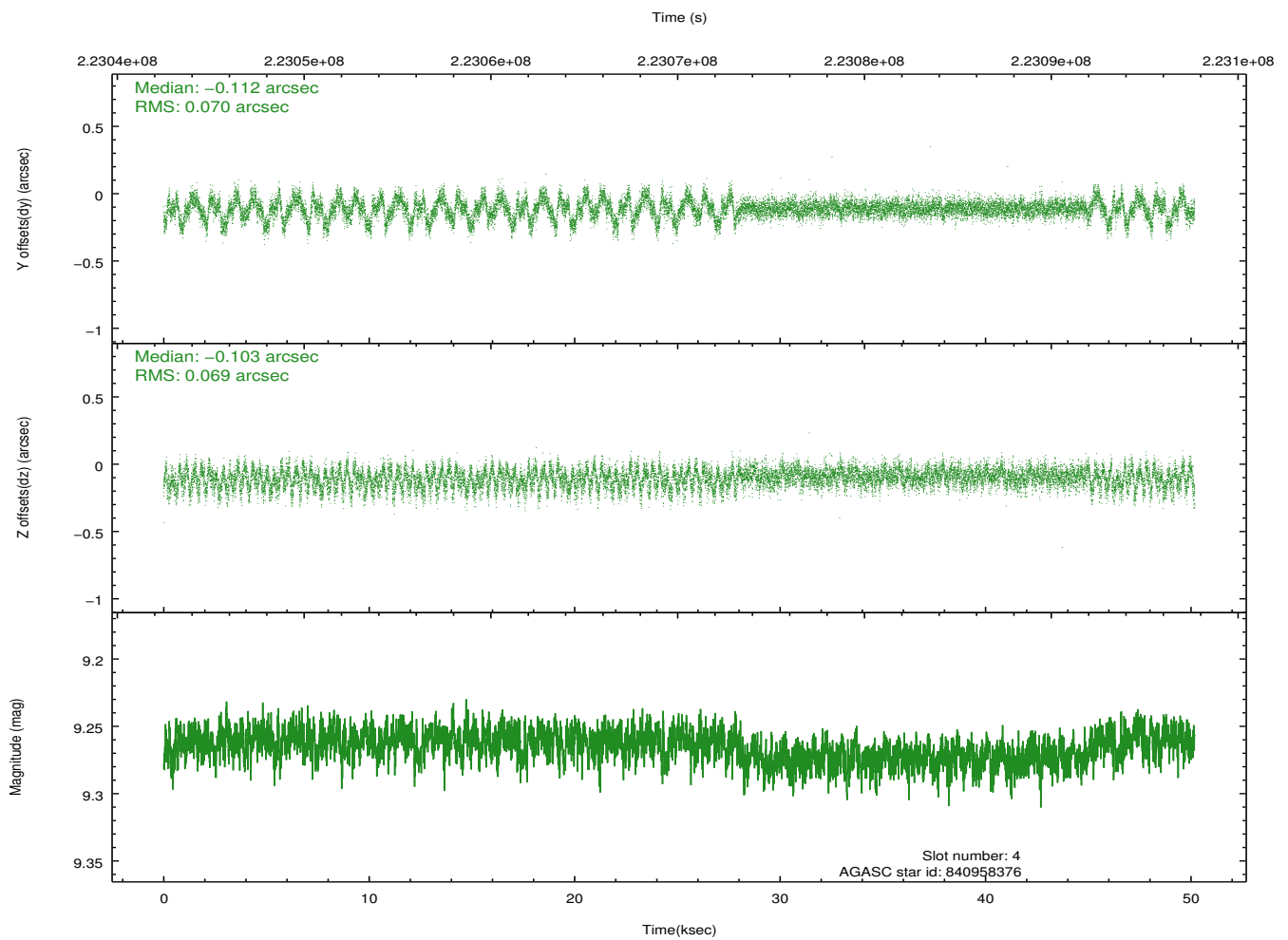
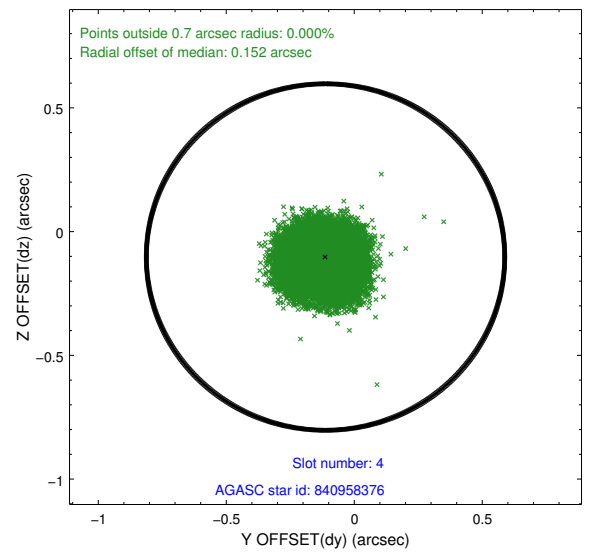
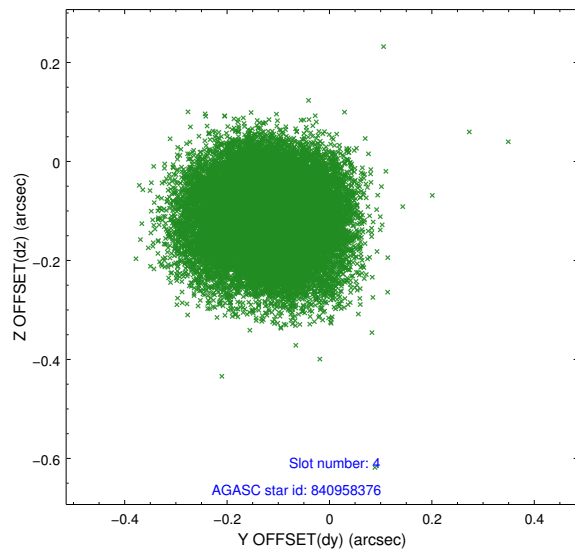
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	12241	-0.059	-0.020	0.009	0.015	0.000000	0.000000	-758.24	-1732.50
1	FID	ACIS-S-4	7.21	12240	0.091	0.034	0.011	0.026	0.000000	0.000000	2155.18	176.08
2	FID	ACIS-S-5	7.23	12240	-0.064	-0.005	0.008	0.015	0.000000	0.000000	-1811.13	169.66
3	GUIDE	840958280	7.86	24480	-0.212	-0.074	0.076	0.119	3.162179	-26.853058	-1310.21	-404.33
4	GUIDE	840958376	9.27	24470	-0.112	-0.103	0.105	0.172	3.005382	-26.889381	-1205.19	-915.53
5	GUIDE	841354056	8.13	24411	0.046	0.054	0.062	0.101	3.289758	-27.813509	2165.03	-182.23
6	GUIDE	841354256	8.45	24473	0.053	-0.031	0.073	0.114	3.053997	-27.784539	2021.31	-926.34
7	GUIDE	841354448	9.40	24466	0.225	0.158	0.084	0.140	4.042978	-27.778320	2175.38	2218.97

2.4 Star Slots

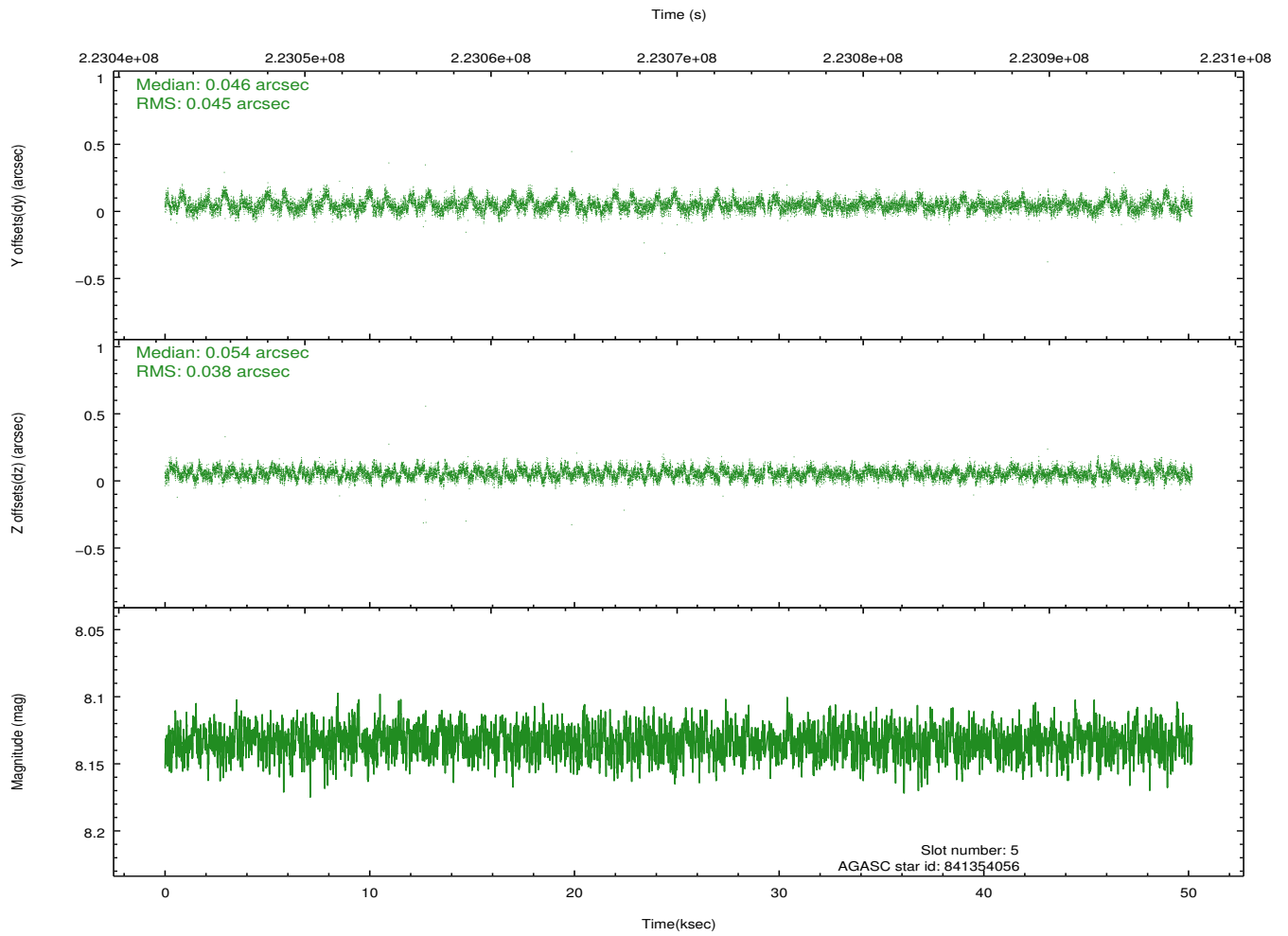
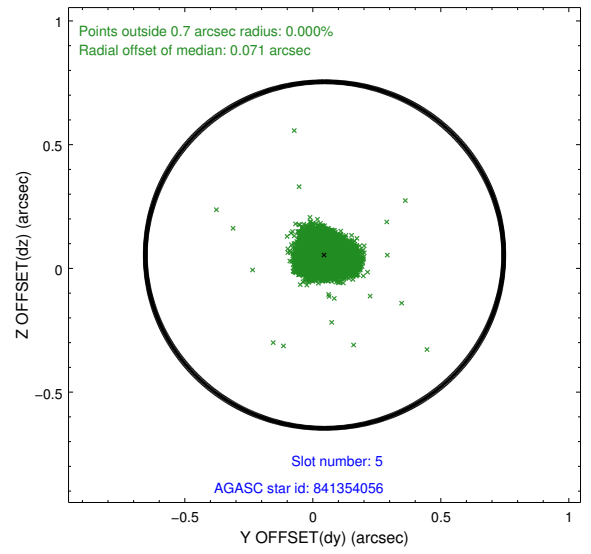
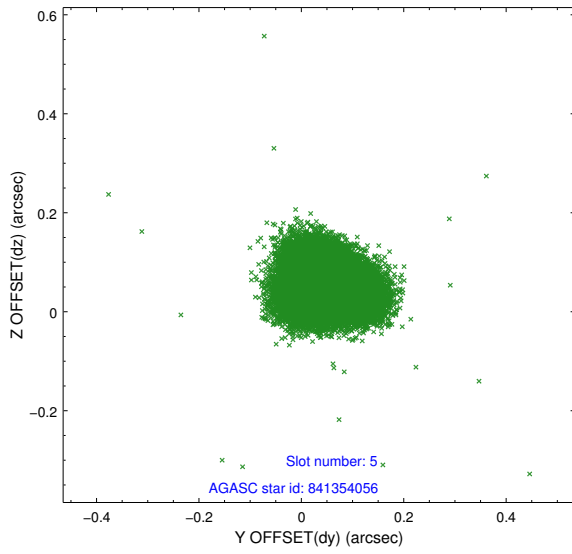
2.4.1 Slot 3



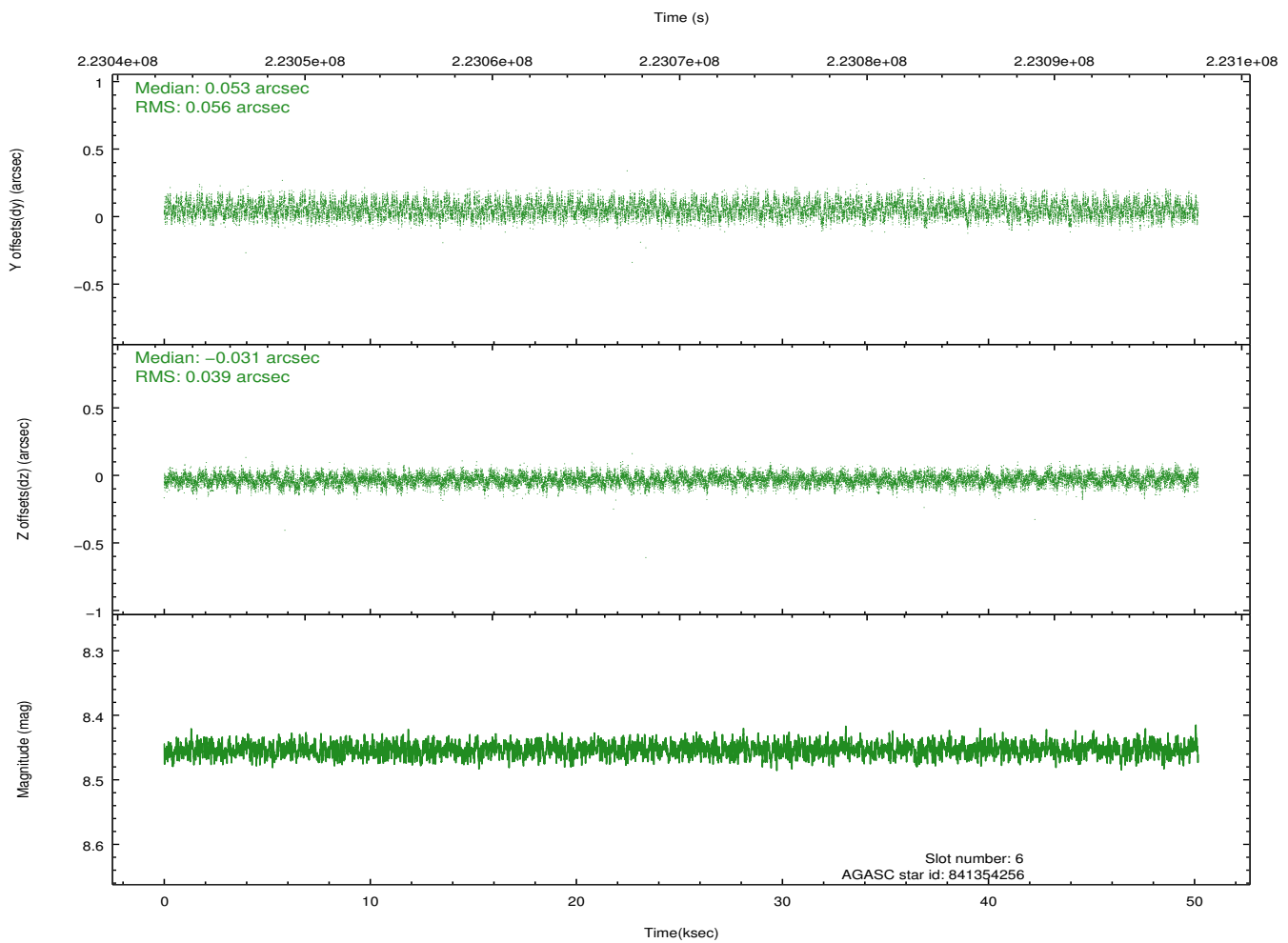
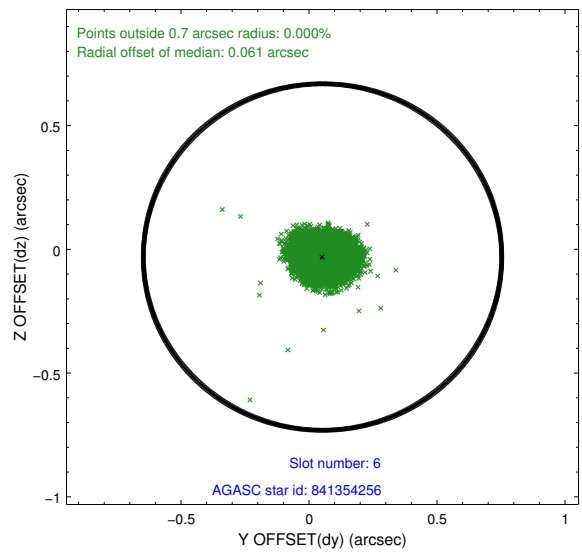
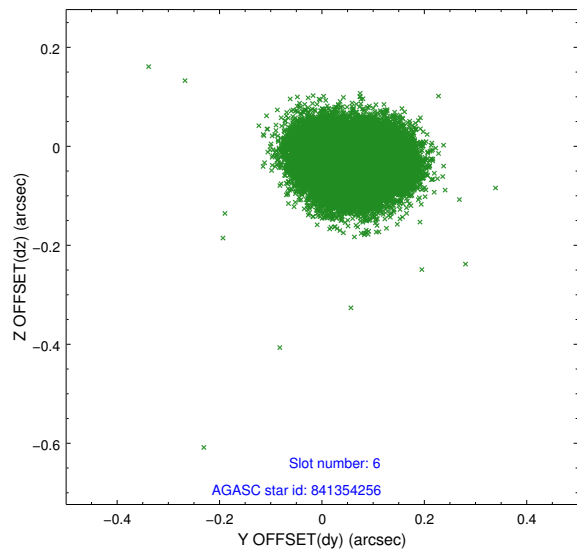
2.4.2 Slot 4



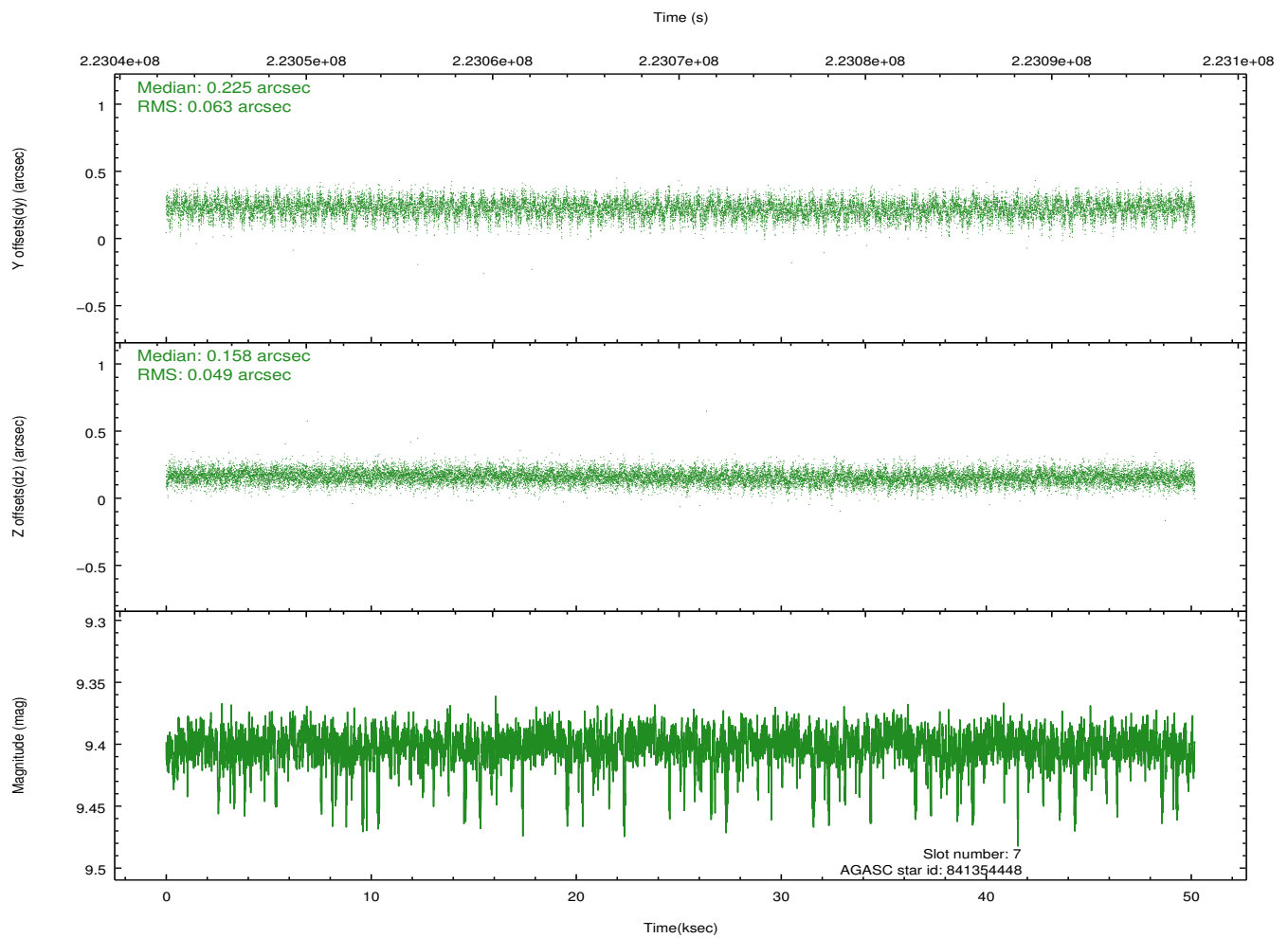
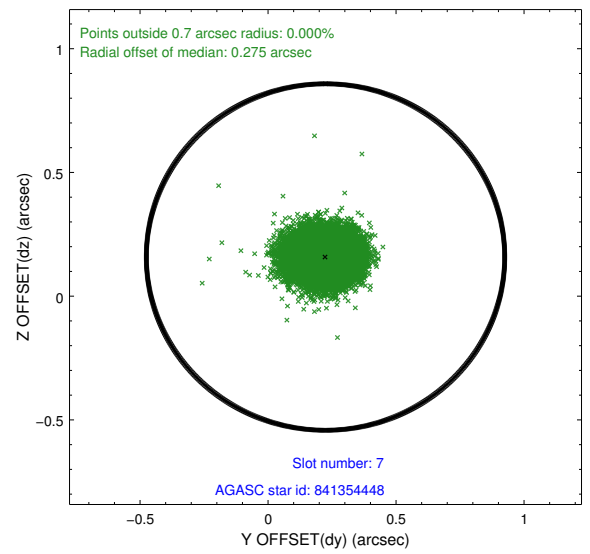
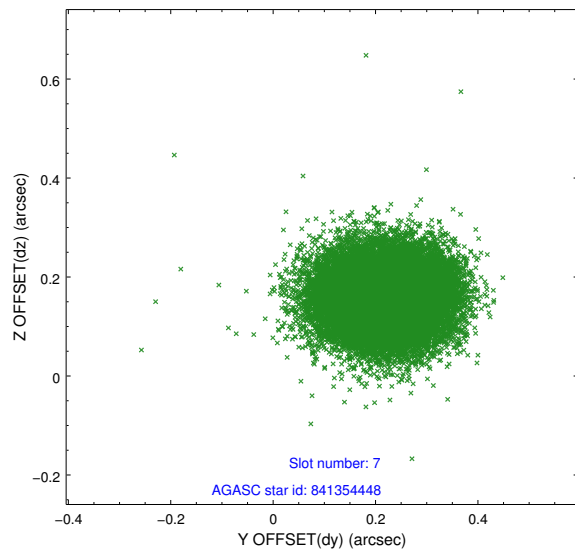
2.4.3 Slot 5



2.4.4 Slot 6

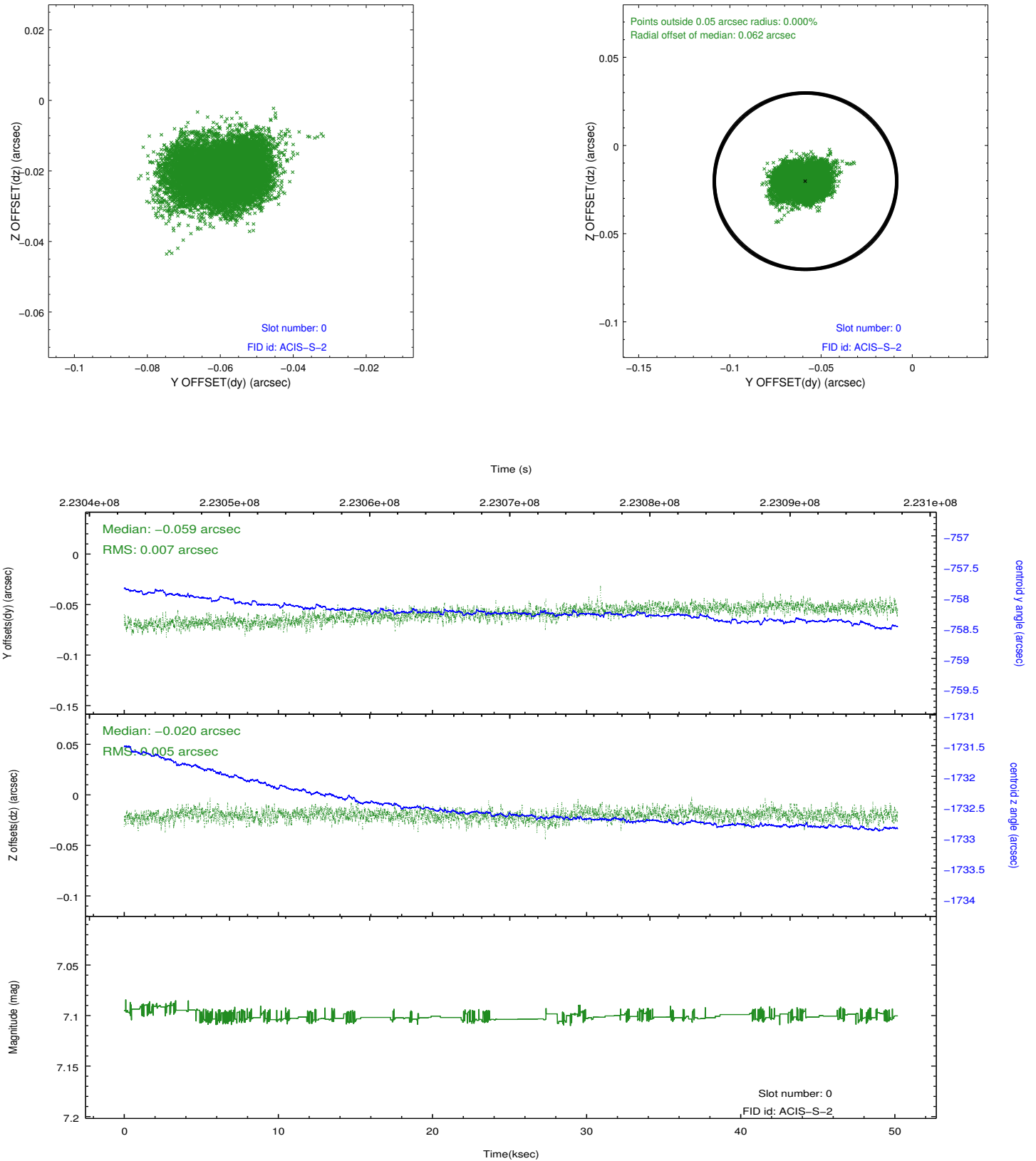


2.4.5 Slot 7

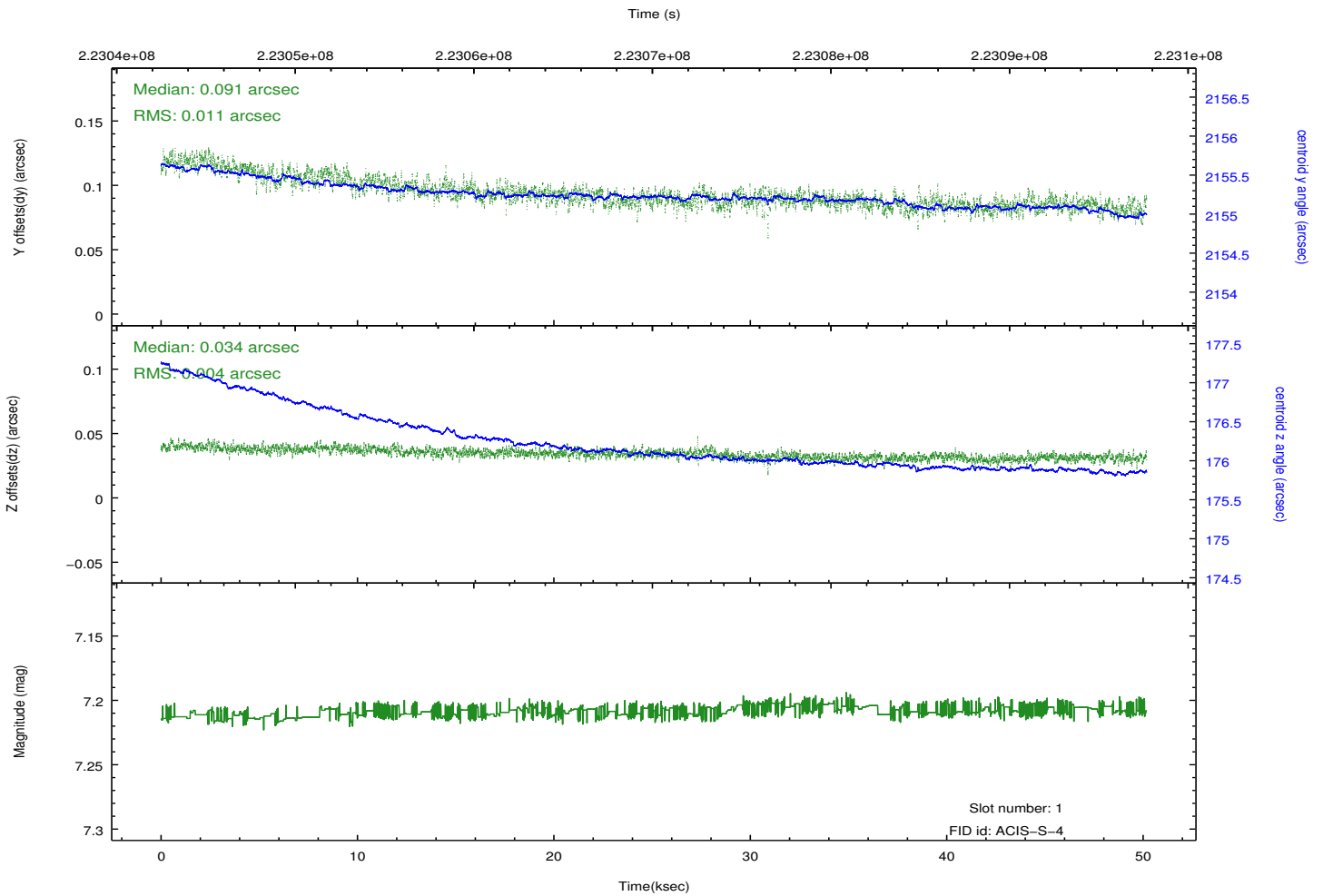
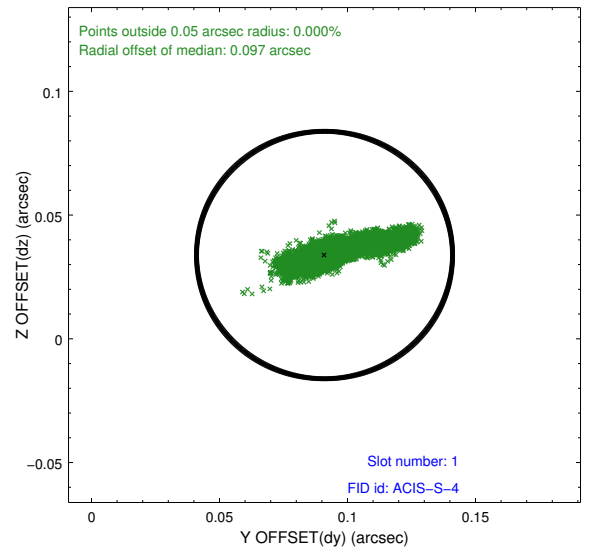
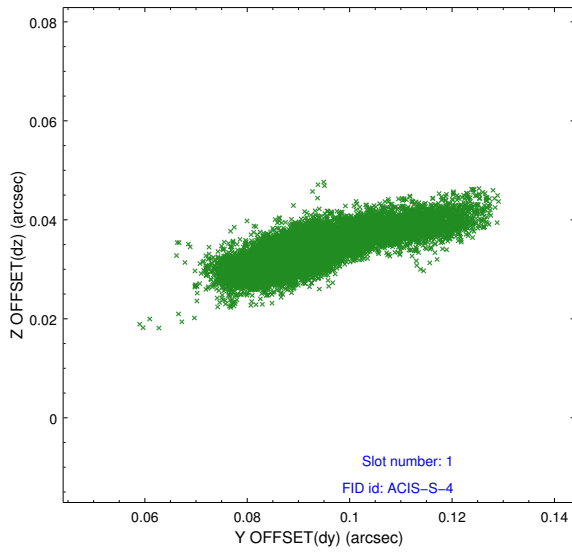


2.5 FID Slots

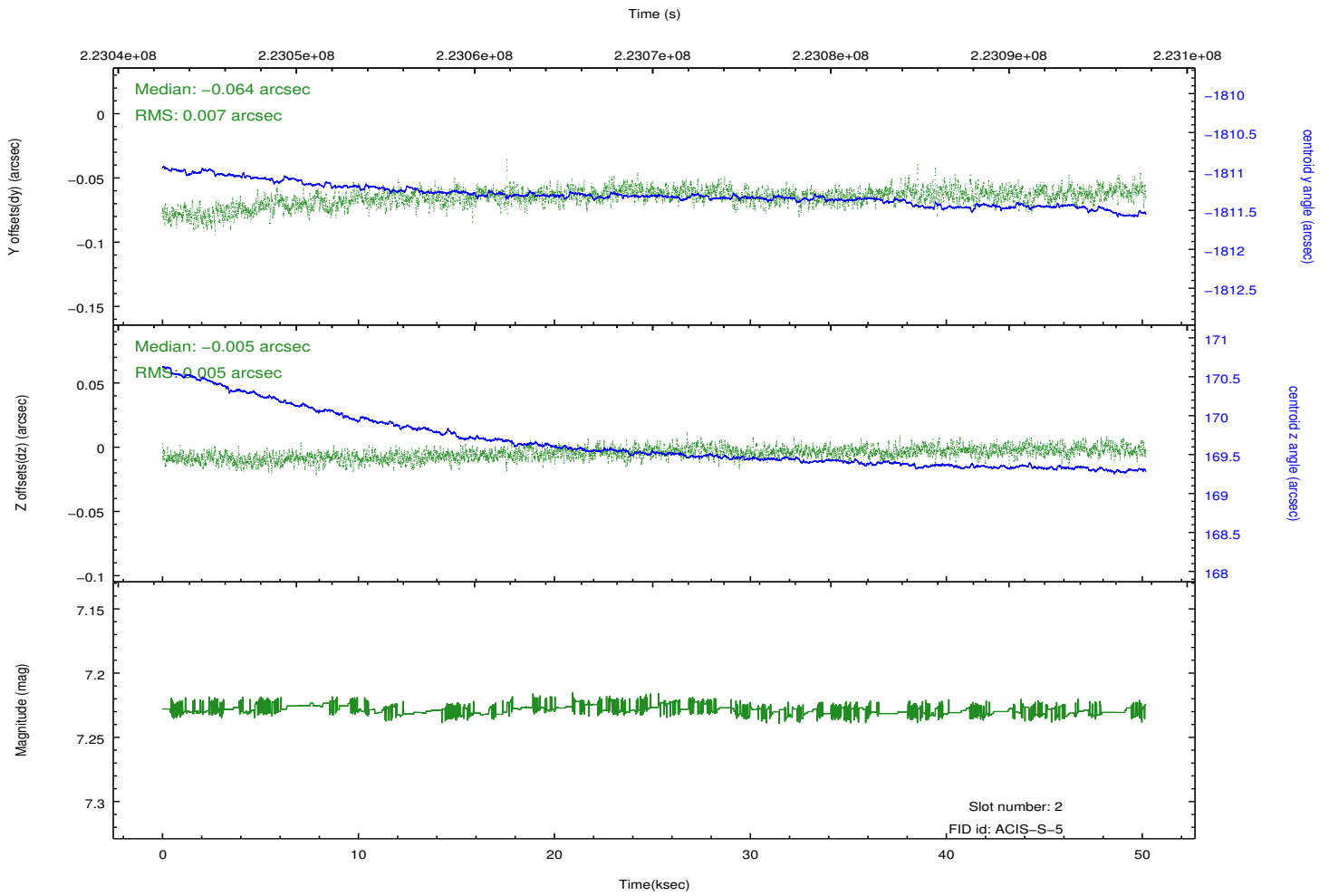
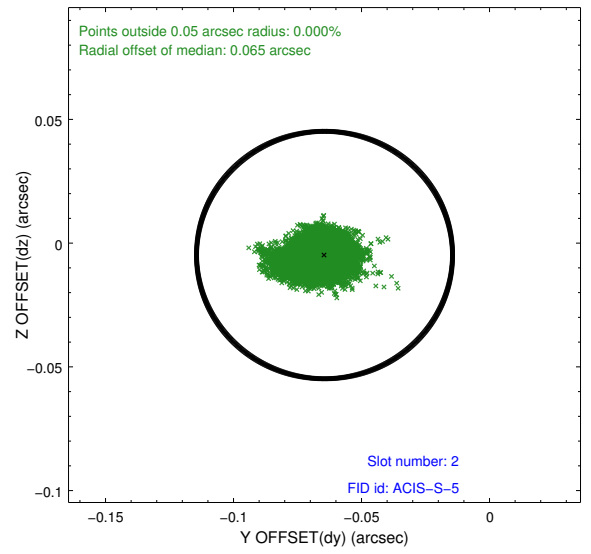
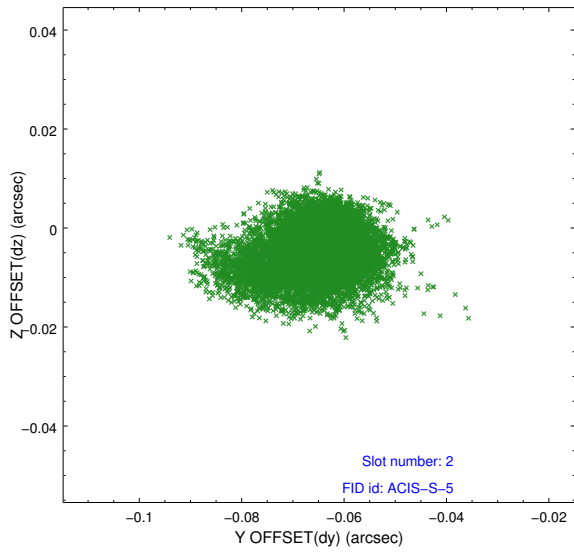
2.5.1 Slot 0



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)	2013.01.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	50.14399

A.2 Comments