

V&V Reference Report

L2 ASCDS Version : 8.5.1

Observation 5189 - L2 Version 3
Chandra X-Ray Center

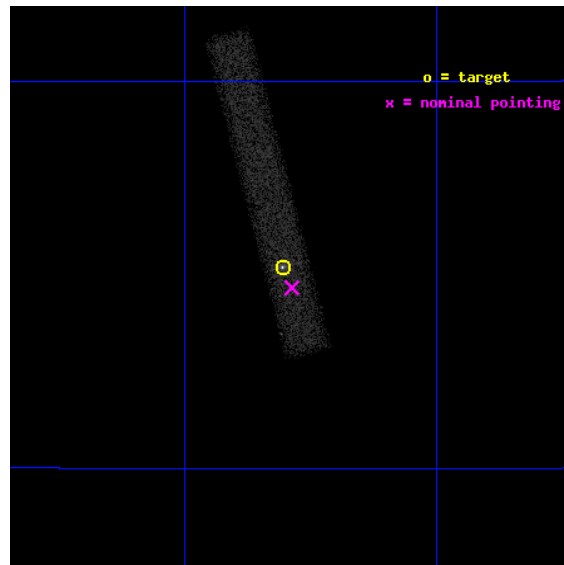
L2 Processing Date : Dec 16 2012

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1 Front

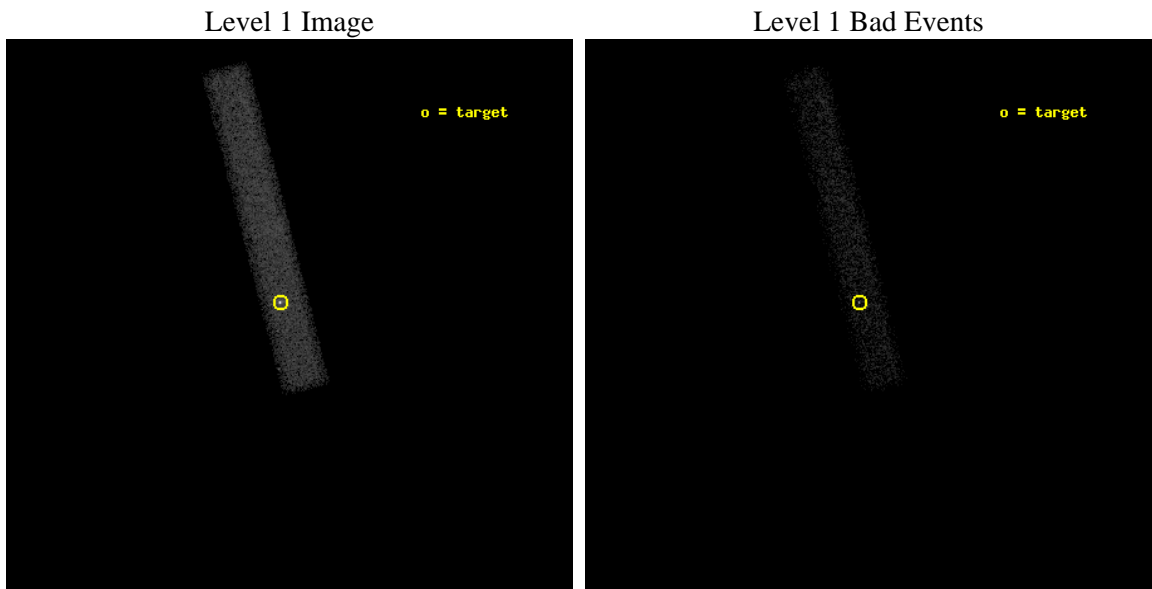
seq_num	300142	Sequence number
obs_id	5189	Observation id
title	FS Aur - A new class of cataclysmic variables	Proposal title
observer	Dr Gagik Tovmassian	Principal investigator
object	FS Aur	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	86.951417	Observer's specified target RA [deg]
dec_targ	28.586417	Observer's specified target Dec [deg]
ra_nom	86.946853671051	Nominal RA [deg]
dec_nom	28.577609613566	Nominal Dec [deg]
roll_nom	255.48736971931	Nominal Roll [deg]
revision	3	Processing version of data
ontime	25183.200375229	Sum of GTIs [s]
livetime	22839.833462025	Livetime [s]
ontime7	25183.200375229	Sum of GTIs [s]
l2events	22474	Number of level 2 events



2 OBI

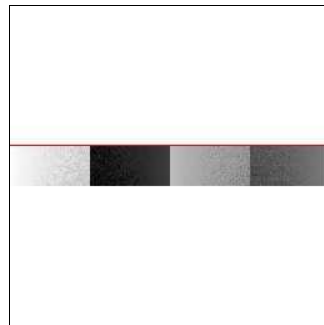
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	25000.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1	Processing system revision	ontime	25183.200375229	Sum of GTIs [s]
caldbver	4.5.5	 	ontime7	25183.200375229	Sum of GTIs [s]
date	2012-12-15T21:44:27	Date and time of file creation	l1events	39995	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

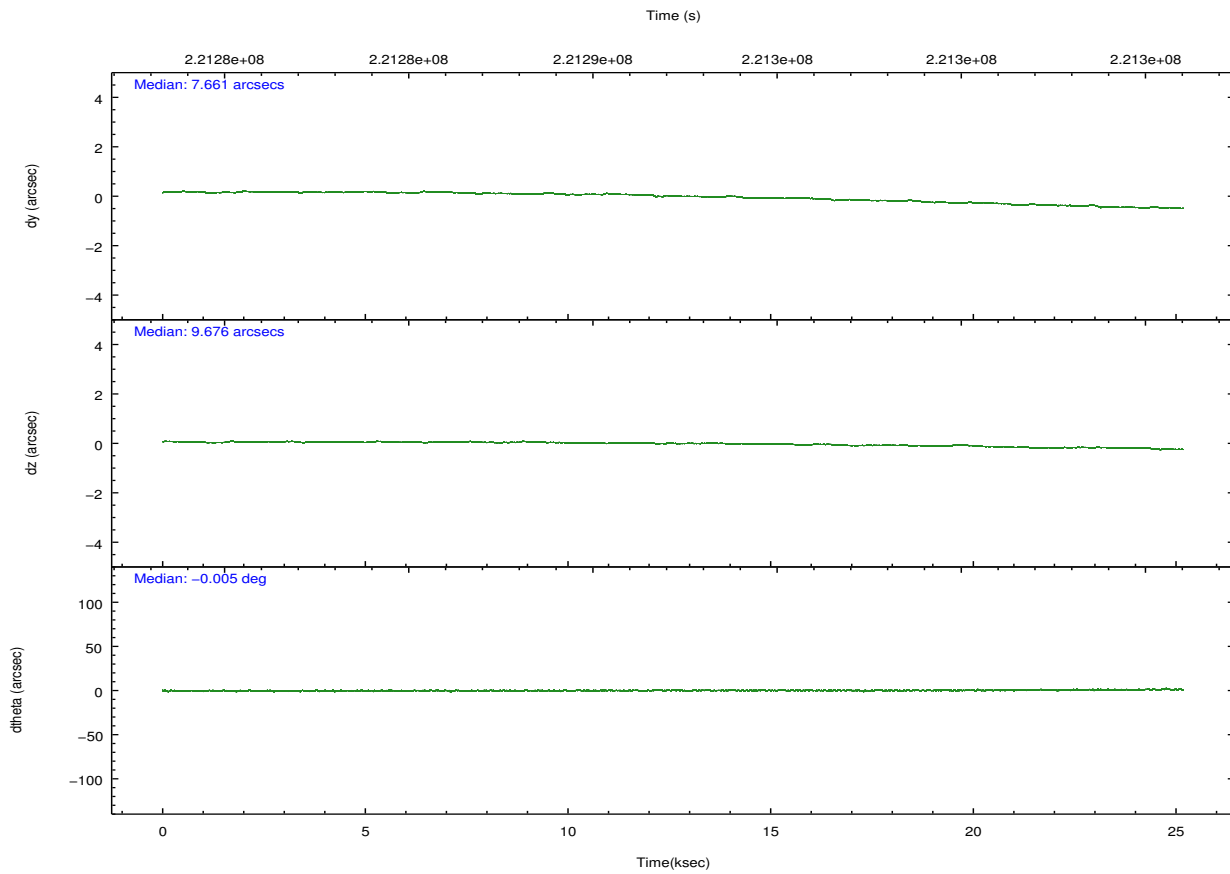
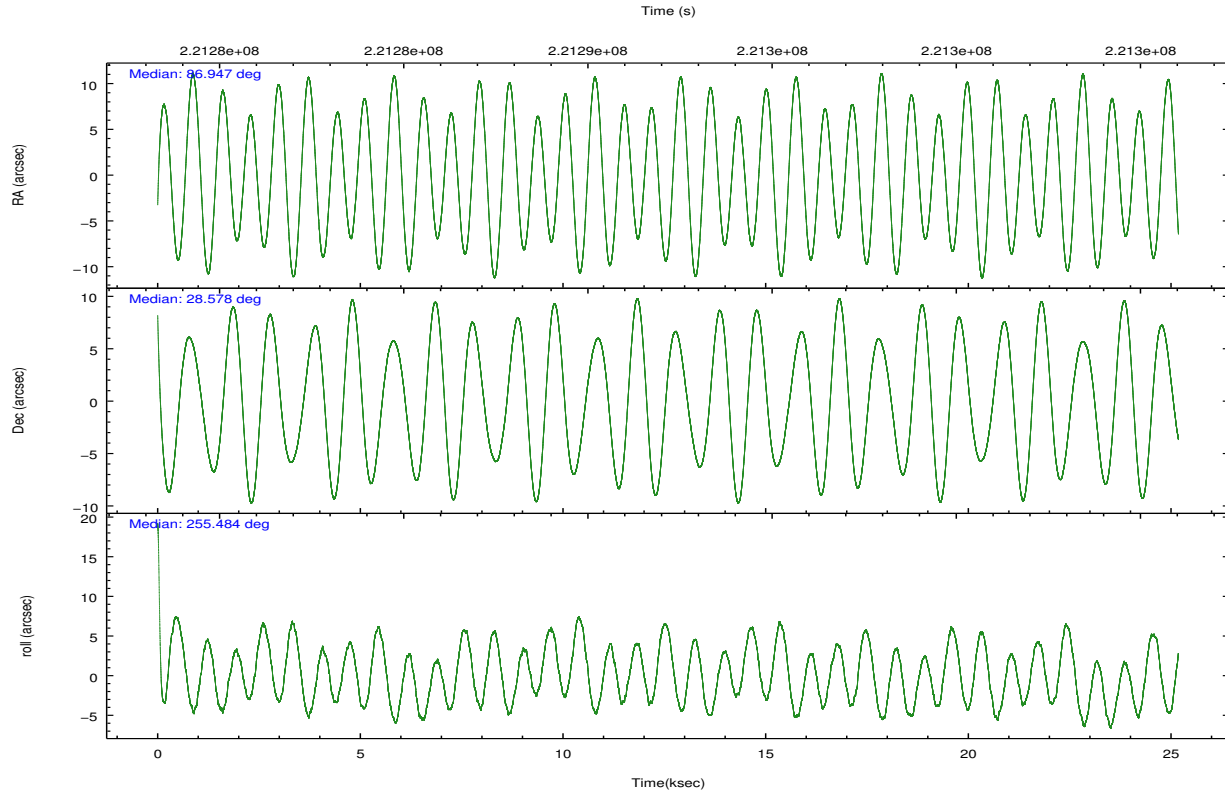
	ccd 7
level 1 events	39995
rejected events	16836
rejected %	42%

	ccd 7
grade 0 events	4230
	10%
grade 1 events	78
	0%
grade 2 events	5090
	12%
grade 3 events	2955
	7%
grade 4 events	2898
	7%
grade 5 events	3029
	7%
grade 6 events	8102
	20%
grade 7 events	13613
	34%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	86.938151	86.94685367105065	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	28.603766	28.57760961356573	Subarray start row	449	449
[deg] Pointing Roll	255.334897	255.4873697193072	Subarray row count	128	128
[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	0.4
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	221279769.184000	221279076.50297			
Observation start date	2005-01-05T02:35:05	2005-01-05T02:24:36			
[s] Observation end time (MET)	221304769.184000	221305868.97918			
Observation end date	2005-01-05T09:31:45	2005-01-05T09:51:08			
Read mode	TIMED	TIMED			

2.3 Aspect

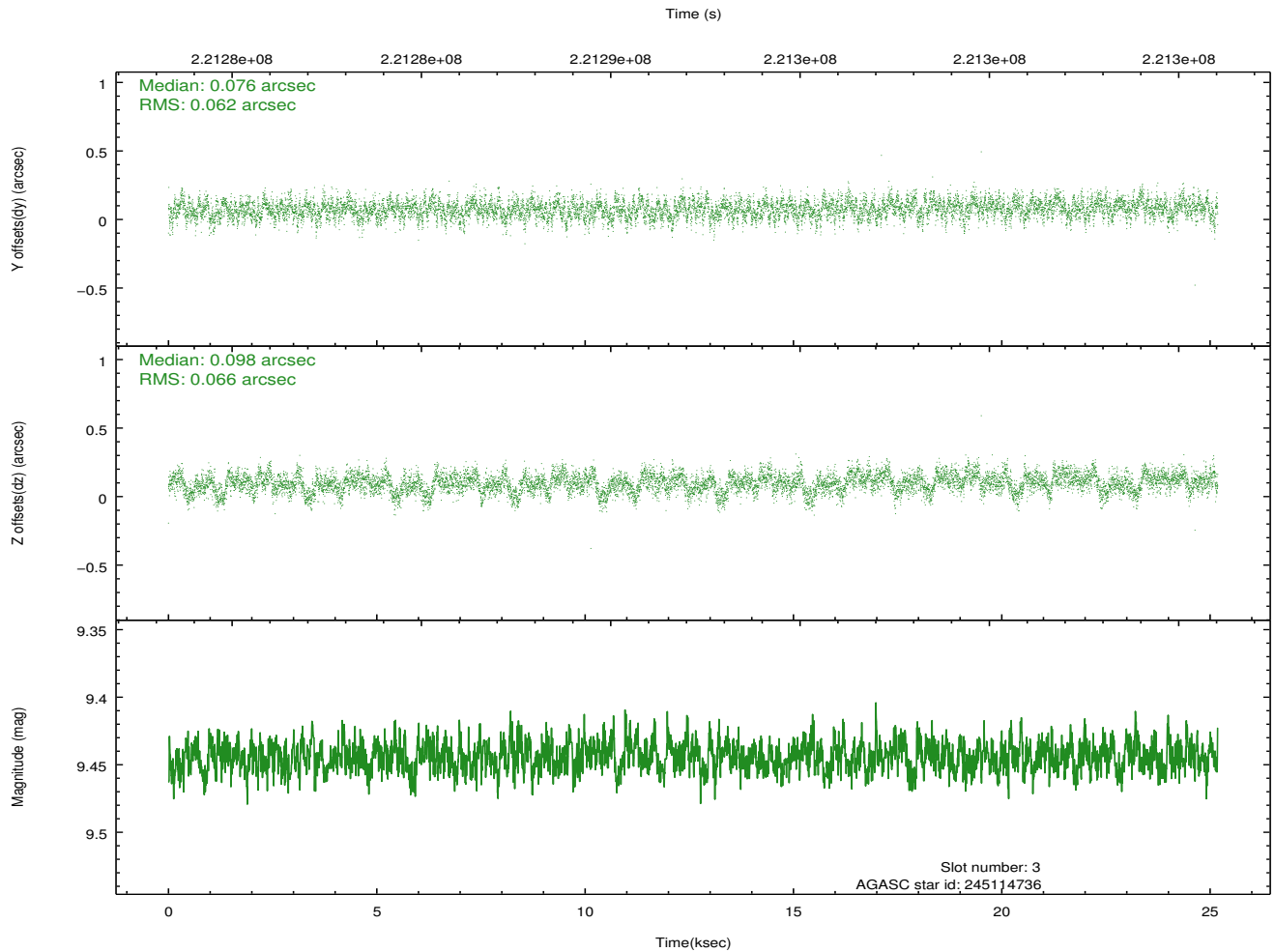
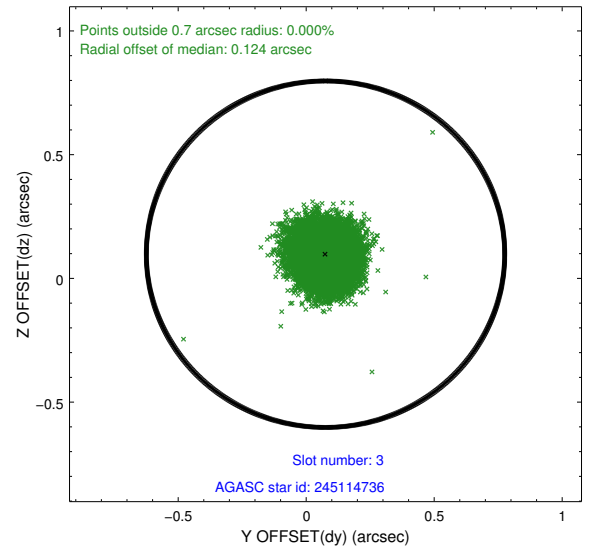
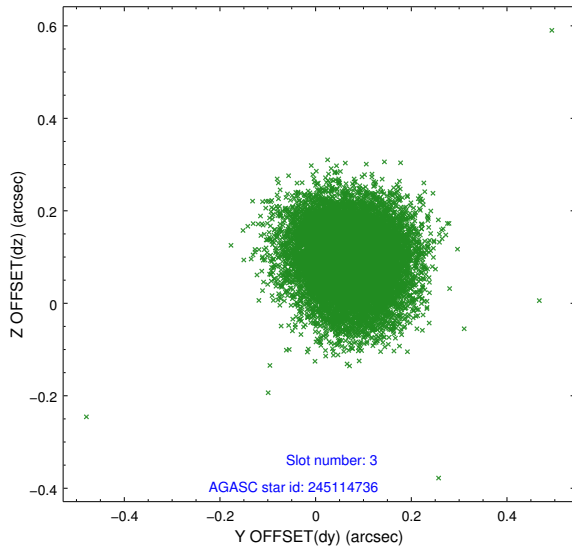


Slot Statistics

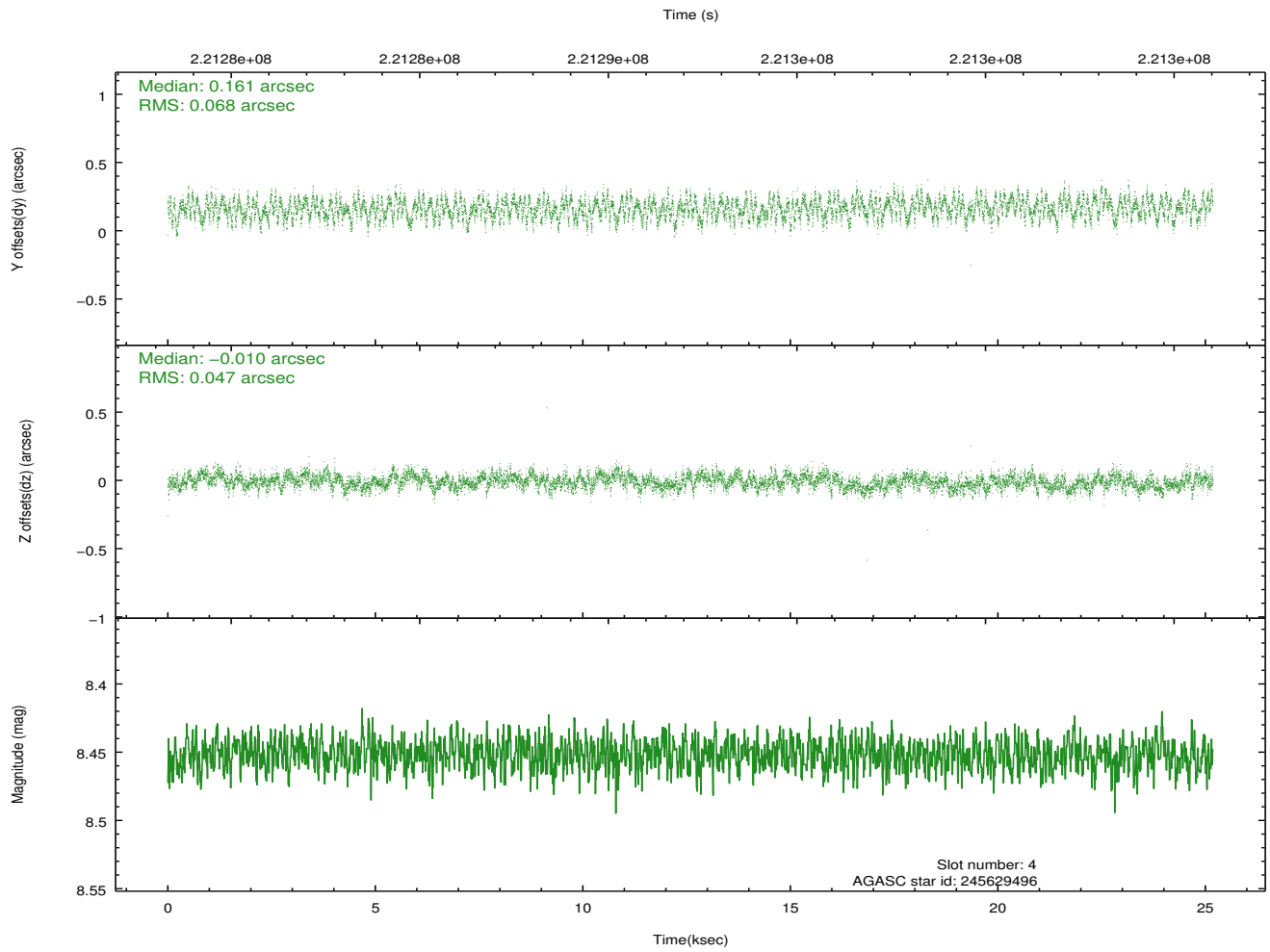
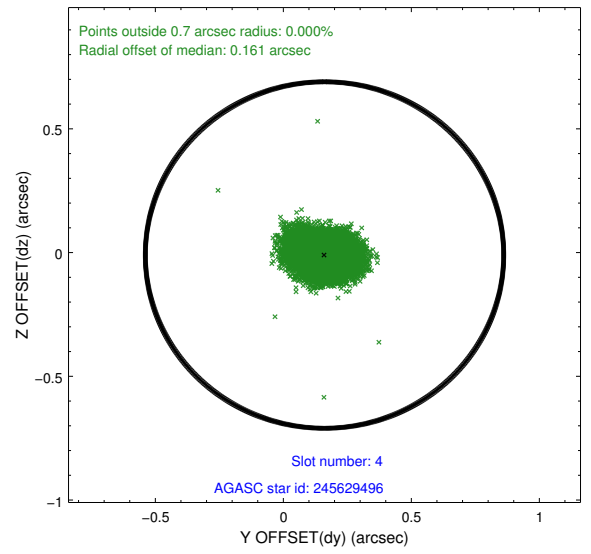
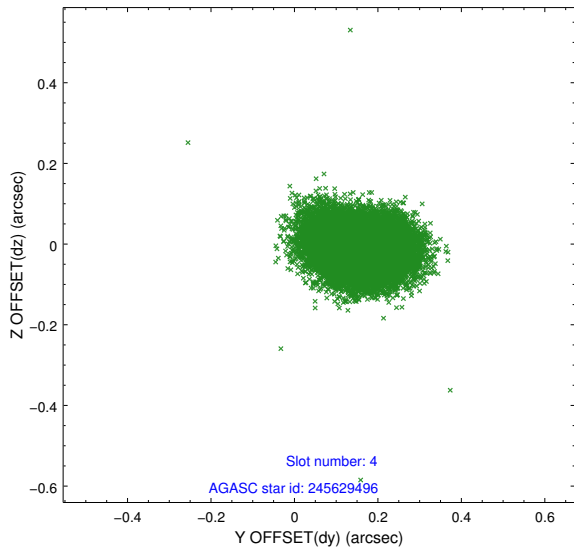
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	6143	-0.040	-0.031	0.014	0.022	0.000000	0.000000	-760.38	-1730.88
1	FID	ACIS-S-4	7.20	6142	0.100	0.027	0.012	0.020	0.000000	0.000000	2152.94	177.60
2	FID	ACIS-S-5	7.23	6143	-0.092	0.013	0.009	0.015	0.000000	0.000000	-1813.16	171.31
3	GUIDE	245114736	9.44	12277	0.076	0.098	0.097	0.156	87.359066	27.978928	1835.34	1863.95
4	GUIDE	245629496	8.45	12283	0.161	-0.010	0.089	0.138	86.245893	28.194524	1975.93	-1753.10
5	GUIDE	245630128	7.43	12285	-0.211	-0.033	0.067	0.113	86.382366	29.298520	-1981.57	-2322.49
6	GUIDE	245632760	9.01	12215	0.026	0.012	0.091	0.144	87.257604	28.347720	634.22	1212.24
7	GUIDE	245636176	8.44	12280	-0.048	-0.062	0.068	0.110	87.223532	29.136111	-2082.02	382.81

2.4 Star Slots

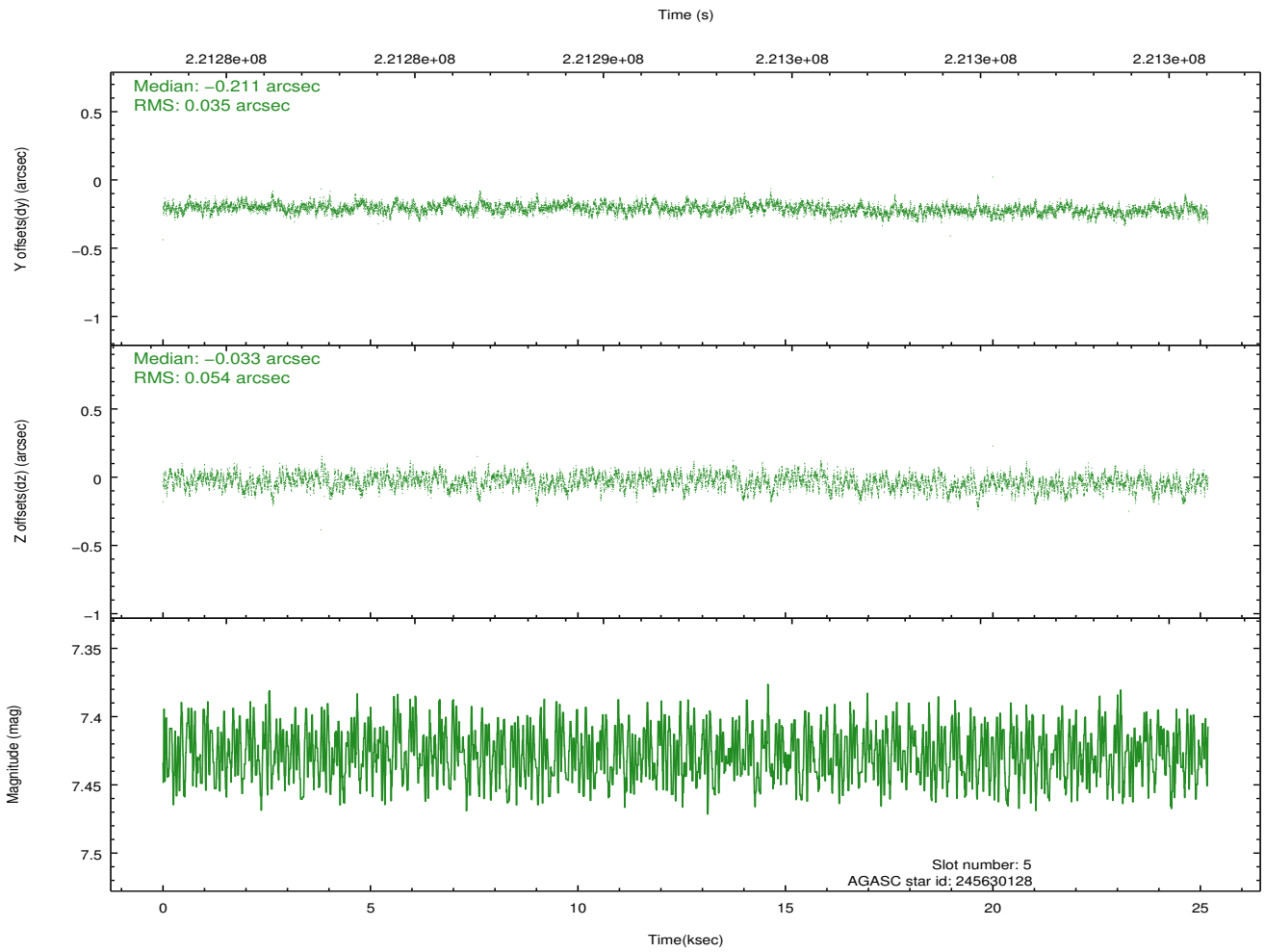
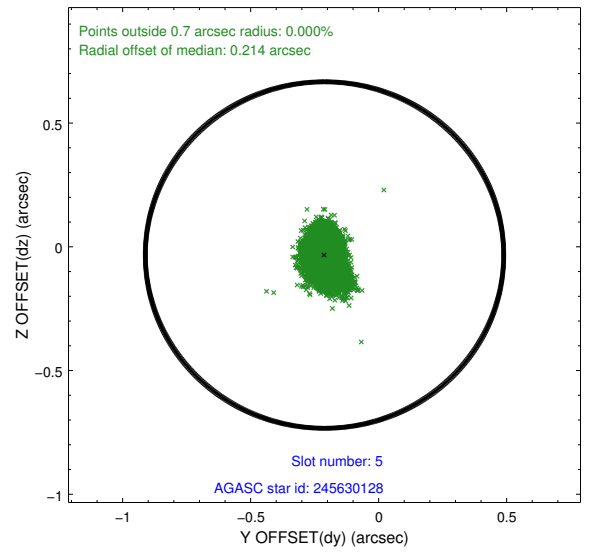
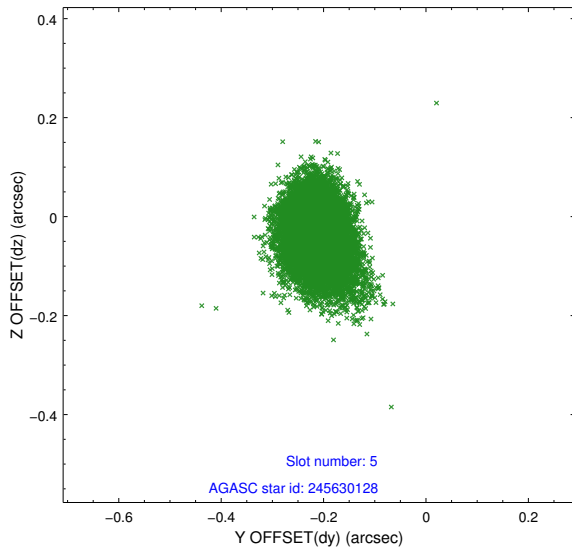
2.4.1 Slot 3



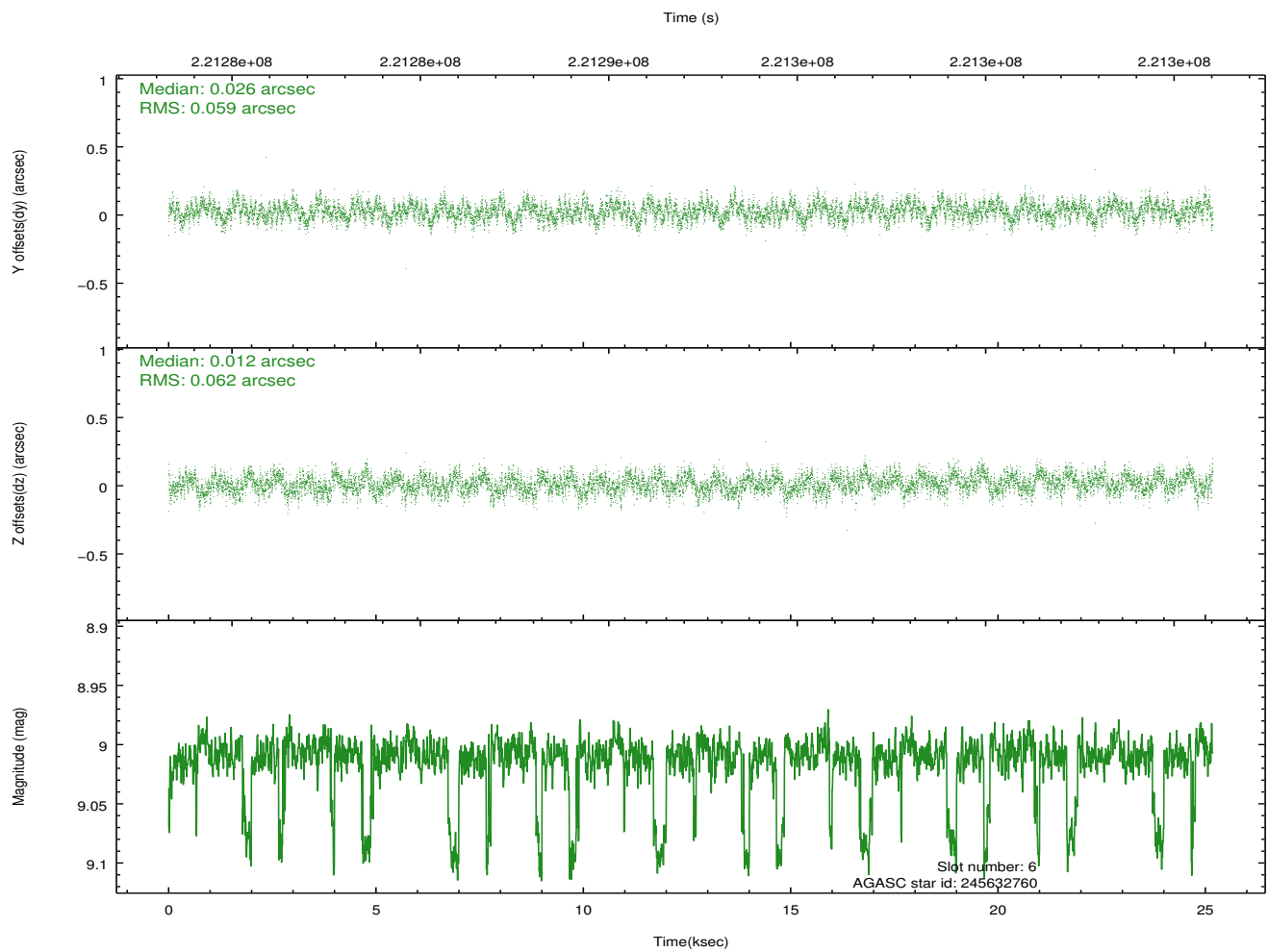
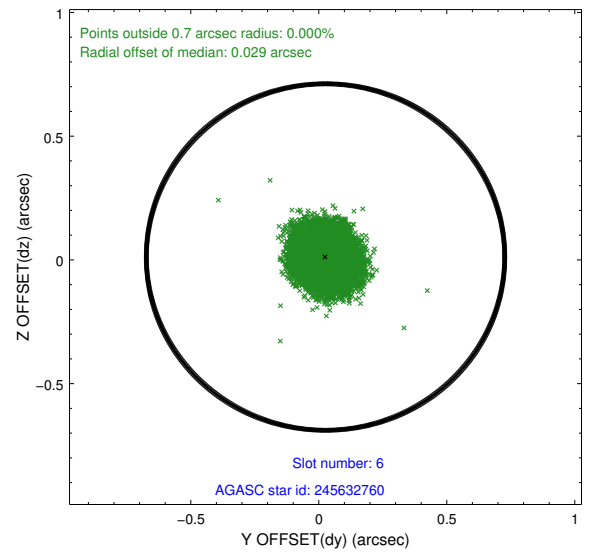
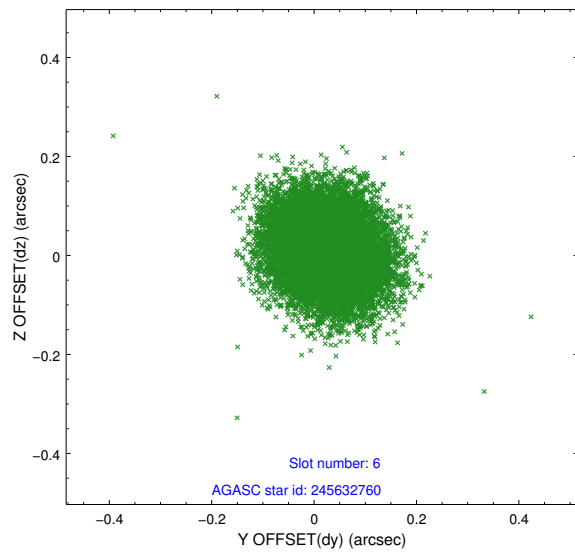
2.4.2 Slot 4



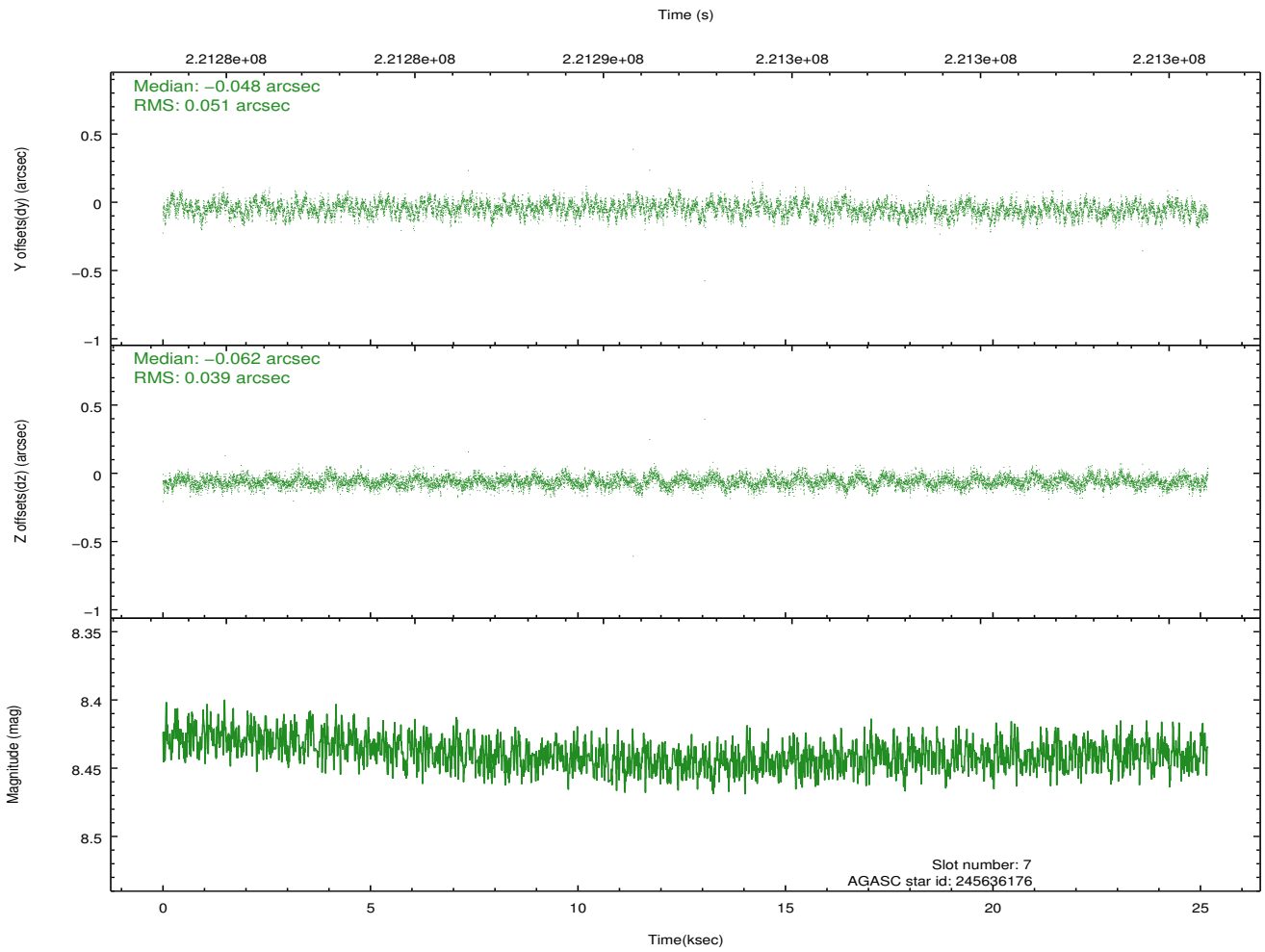
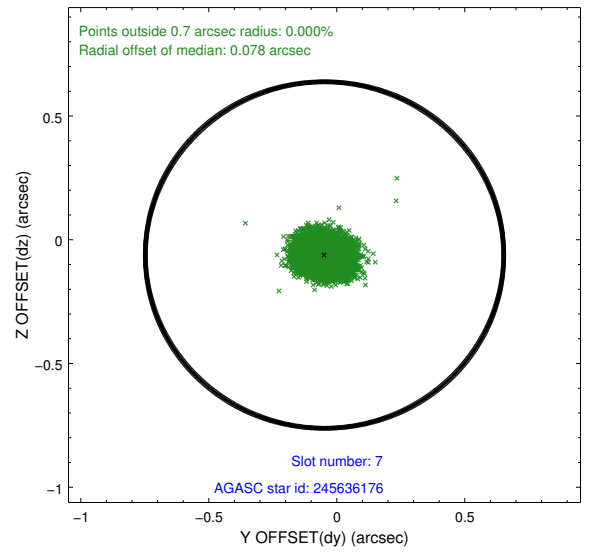
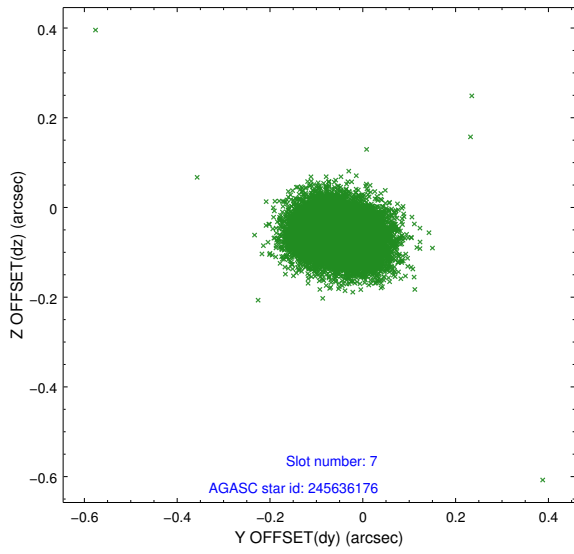
2.4.3 Slot 5



2.4.4 Slot 6

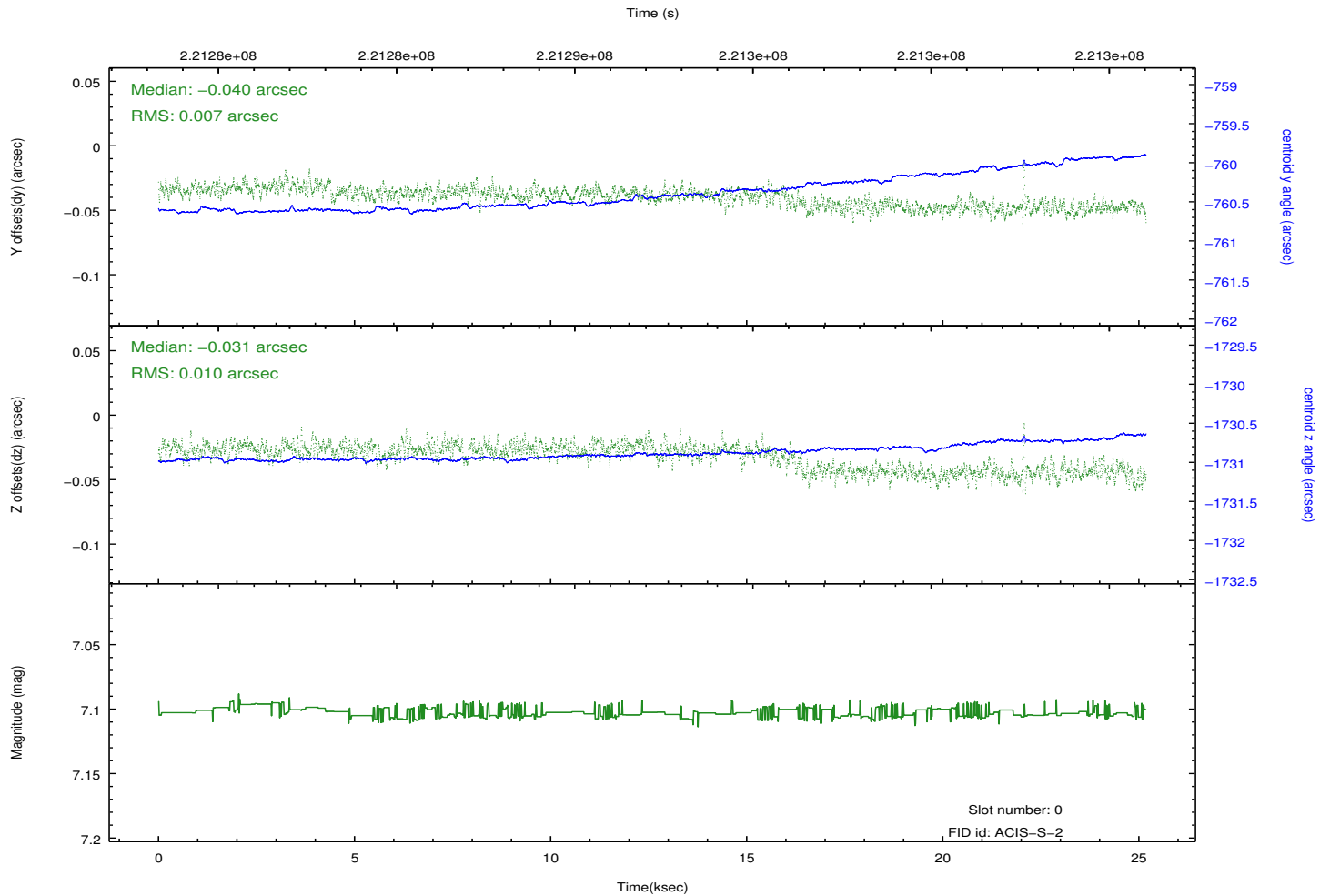
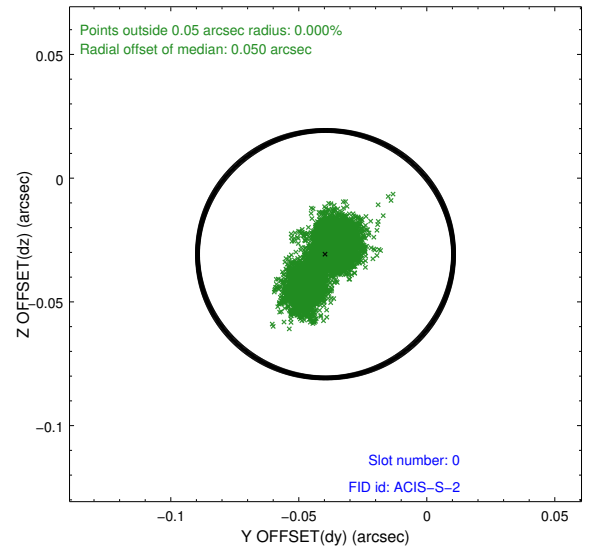
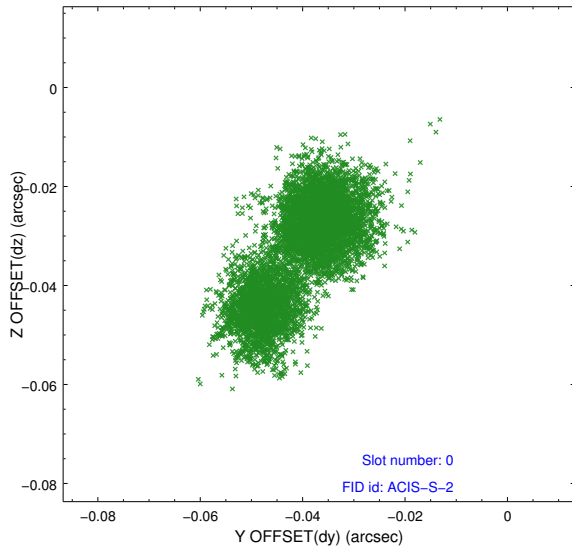


2.4.5 Slot 7

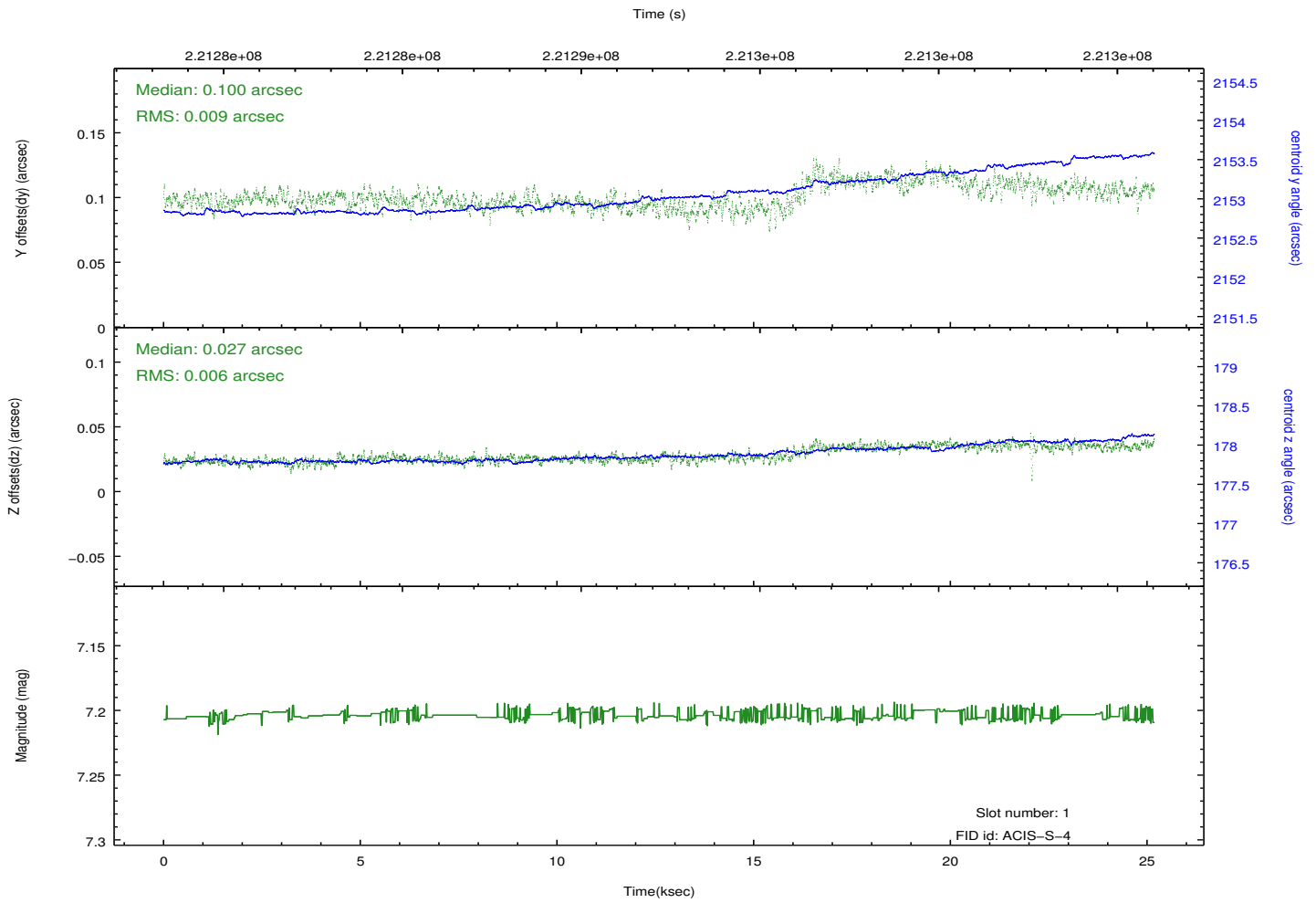
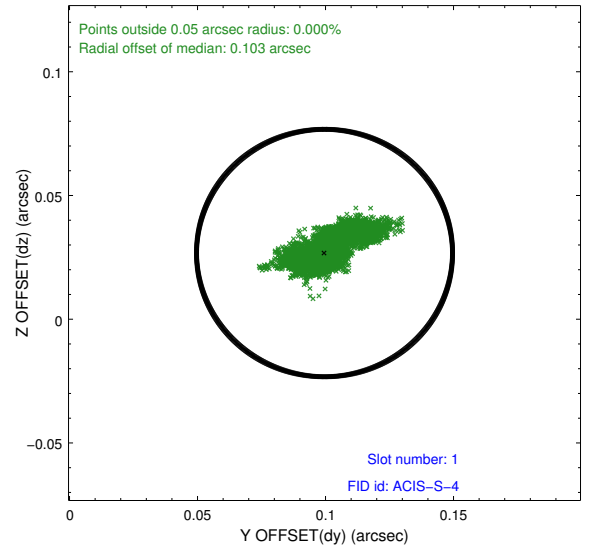
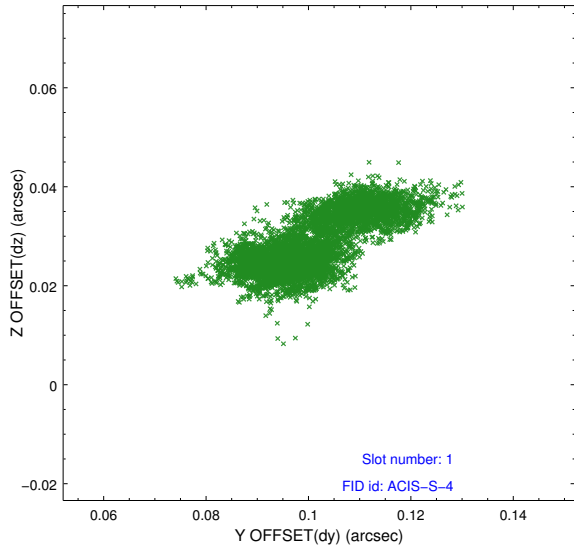


2.5 FID Slots

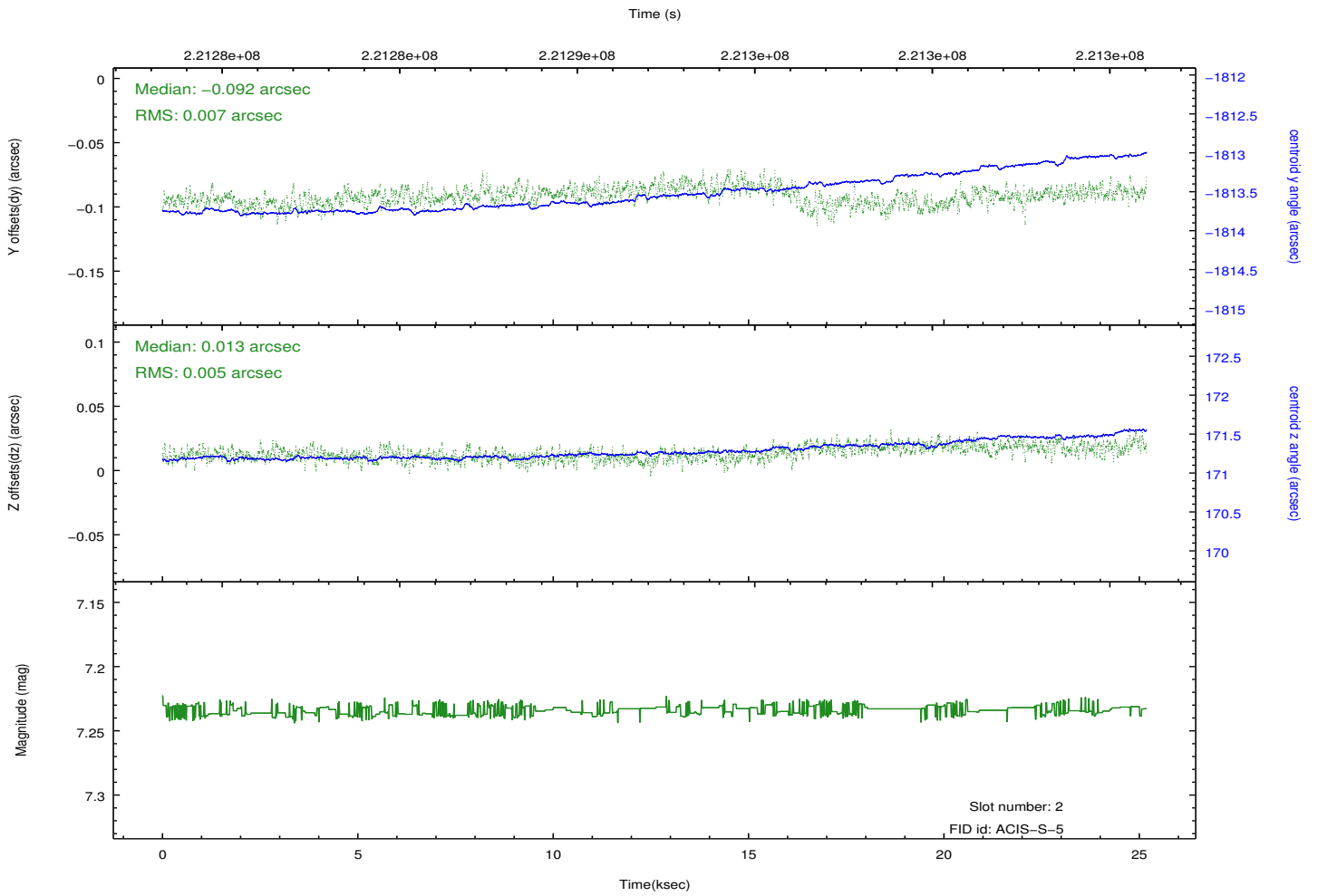
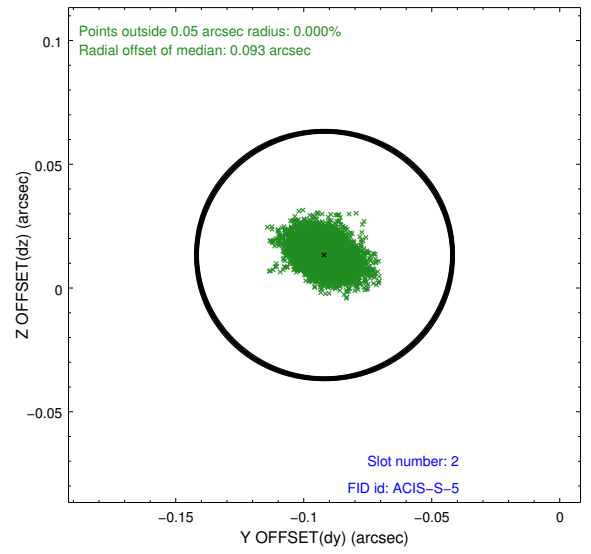
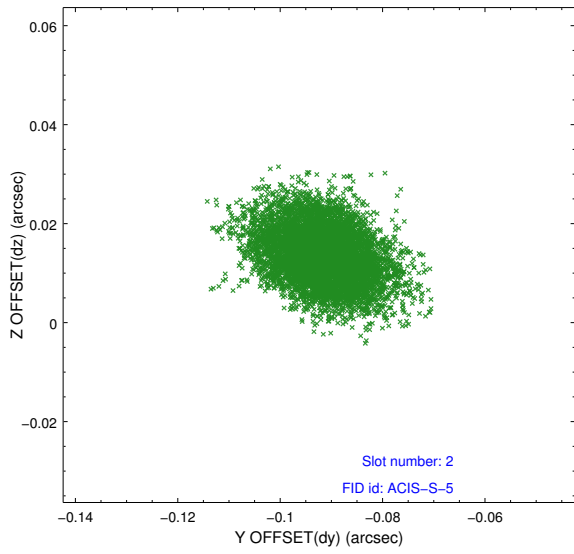
2.5.1 Slot 0



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	25.1832

A.2 Comments