

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 14258 - L2 Version 1
Chandra X-Ray Center

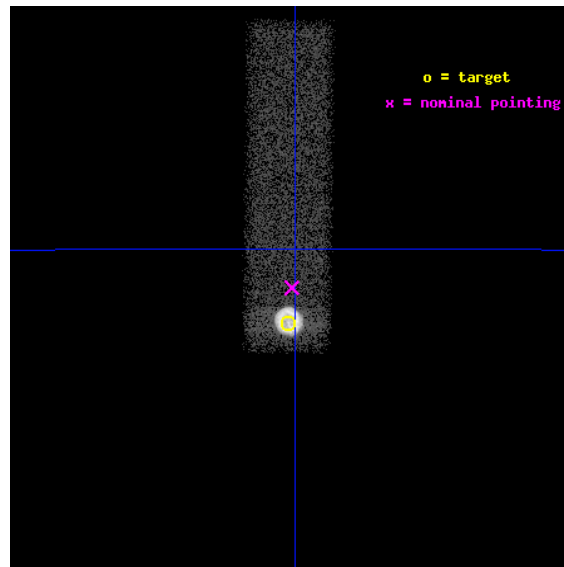
L2 Processing Date : Jan 12 2012

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1 Front

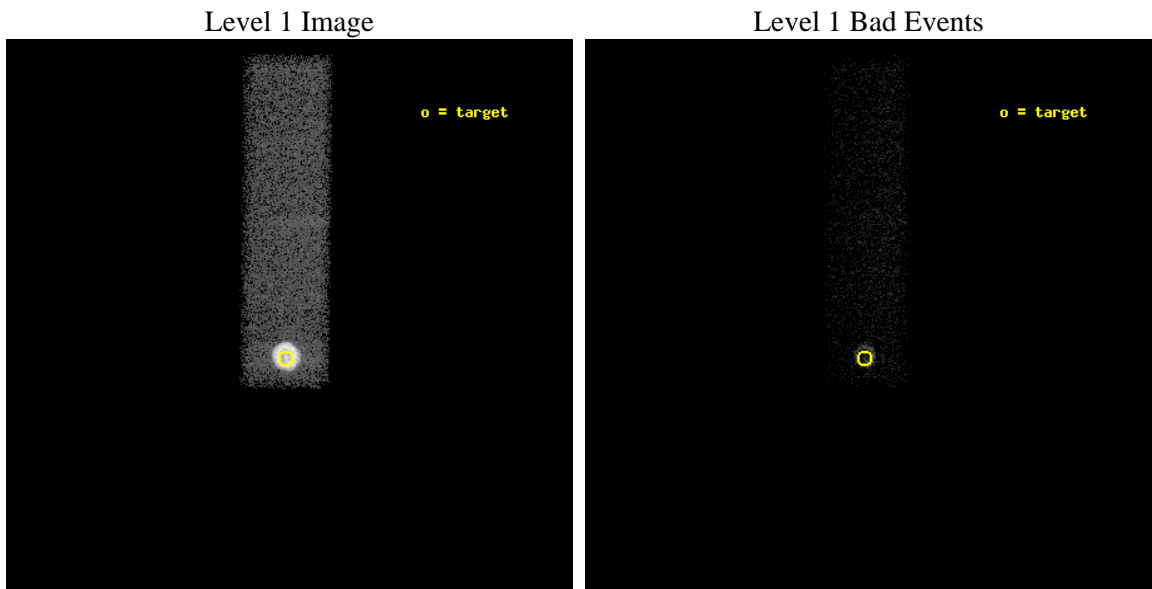
seq_num	590511	Sequence number
obs_id	14258	Observation id
title	AO-13 Calibration Observations of E0102-72	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	E0102-72 S3,-120,1,0,0	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	16.01	Observer's specified target RA [deg]
dec_targ	-72.032028	Observer's specified target Dec [deg]
ra_nom	16.00440642644	Nominal RA [deg]
dec_nom	-72.016985910699	Nominal Dec [deg]
roll_nom	270.66714480803	Nominal Roll [deg]
revision	1	Processing version of data
ontime	20026.400298476	Sum of GTIs [s]
livetime	19049.177493081	Livetime [s]
ontime7	20026.400298476	Sum of GTIs [s]
l2events	122399	Number of level 2 events



2 OBI

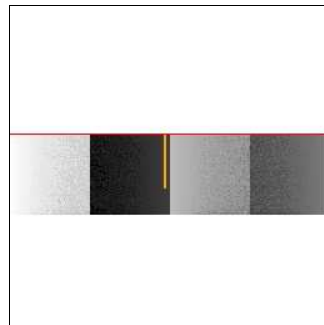
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	20026.400298476	Sum of GTIs [s]
caldbver	4.4.7	 	ontime7	20026.400298476	Sum of GTIs [s]
date	2012-01-12T19:31:01	Date and time of file creation	l1events	139991	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

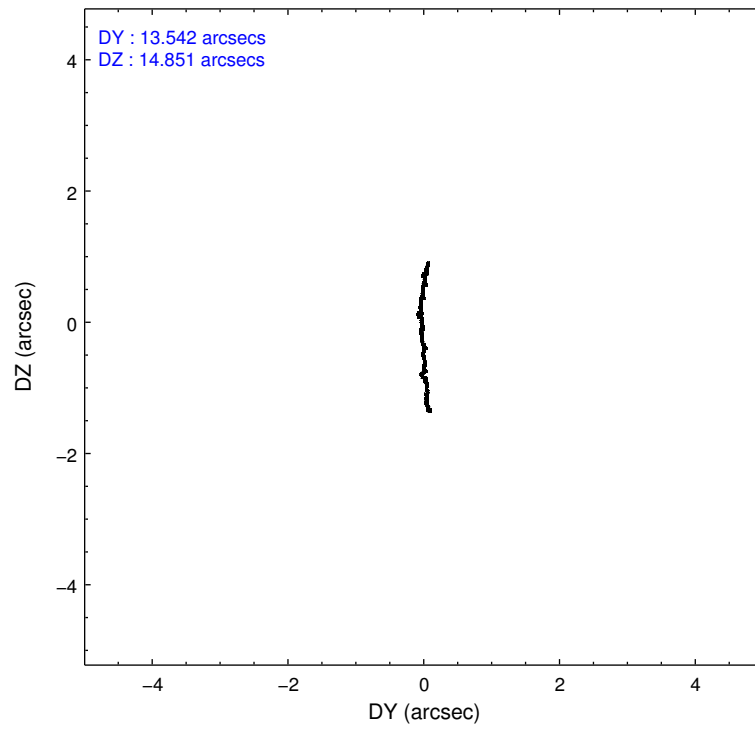
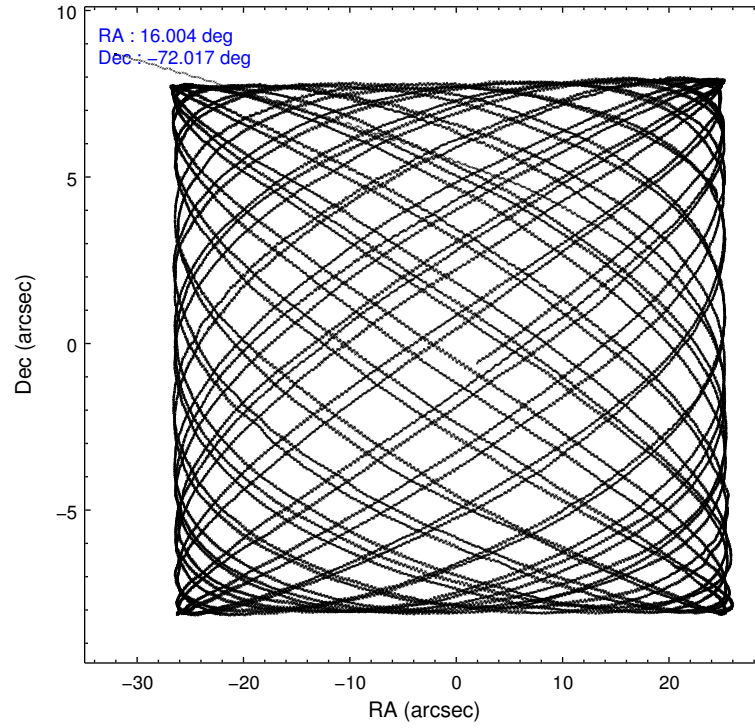
	ccd 7
level 1 events	139991
rejected events	16971
rejected %	12%

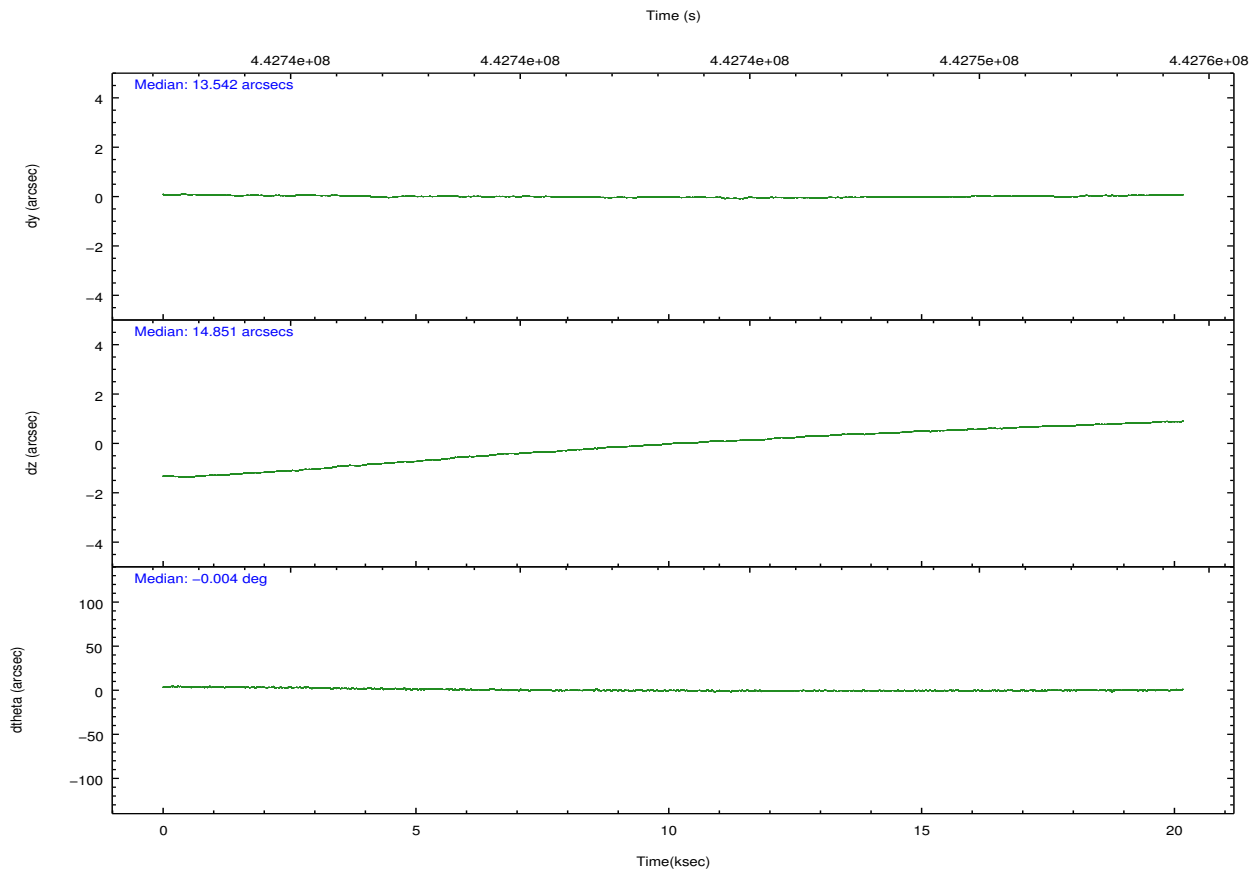
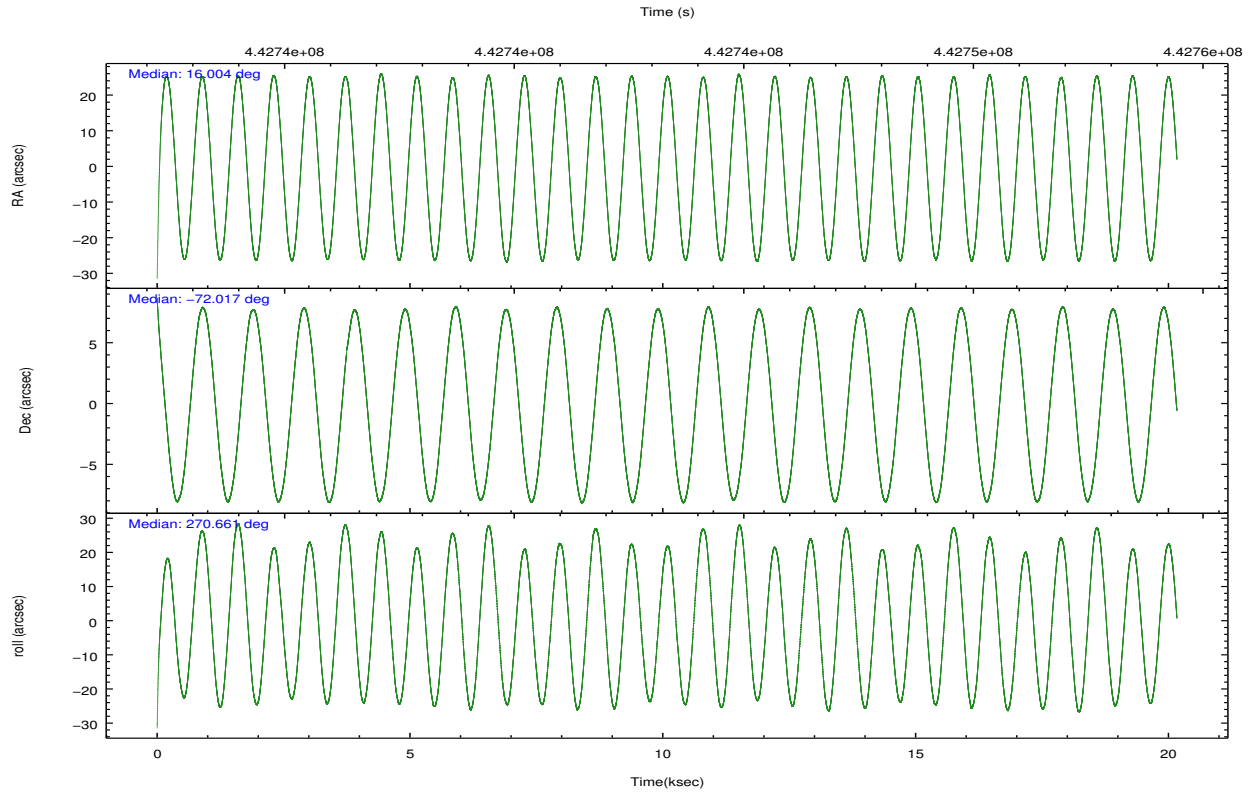
	ccd 7
grade 0 events	33510
	23%
grade 1 events	159
	0%
grade 2 events	33861
	24%
grade 3 events	15131
	10%
grade 4 events	14655
	10%
grade 5 events	4438
	3%
grade 6 events	25871
	18%
grade 7 events	12366
	8%

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	15.958206	16.00440642644011	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	-71.993670	-72.01698591069884	Subarray start row	360	360
[deg] Pointing Roll	270.466563	270.6671448080301	Subarray row count	256	256
[s] Window start time (MET)	439084866.184000	439084866.184000	Alternating exposures requested	N	N
[s] Window stop time (MET)	452131266.184000	452131266.184000	[s] Primary exposure time	0.000000	0.8
[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)	442733417.184000	442732117.47204			
Observation start date	2012-01-12T05:29:11	2012-01-12T05:08:37			
[s] Observation end time (MET)	442753417.184000	442753550.73567			
Observation end date	2012-01-12T11:02:31	2012-01-12T11:05:50			
Read mode	TIMED	TIMED			

2.3 Aspect



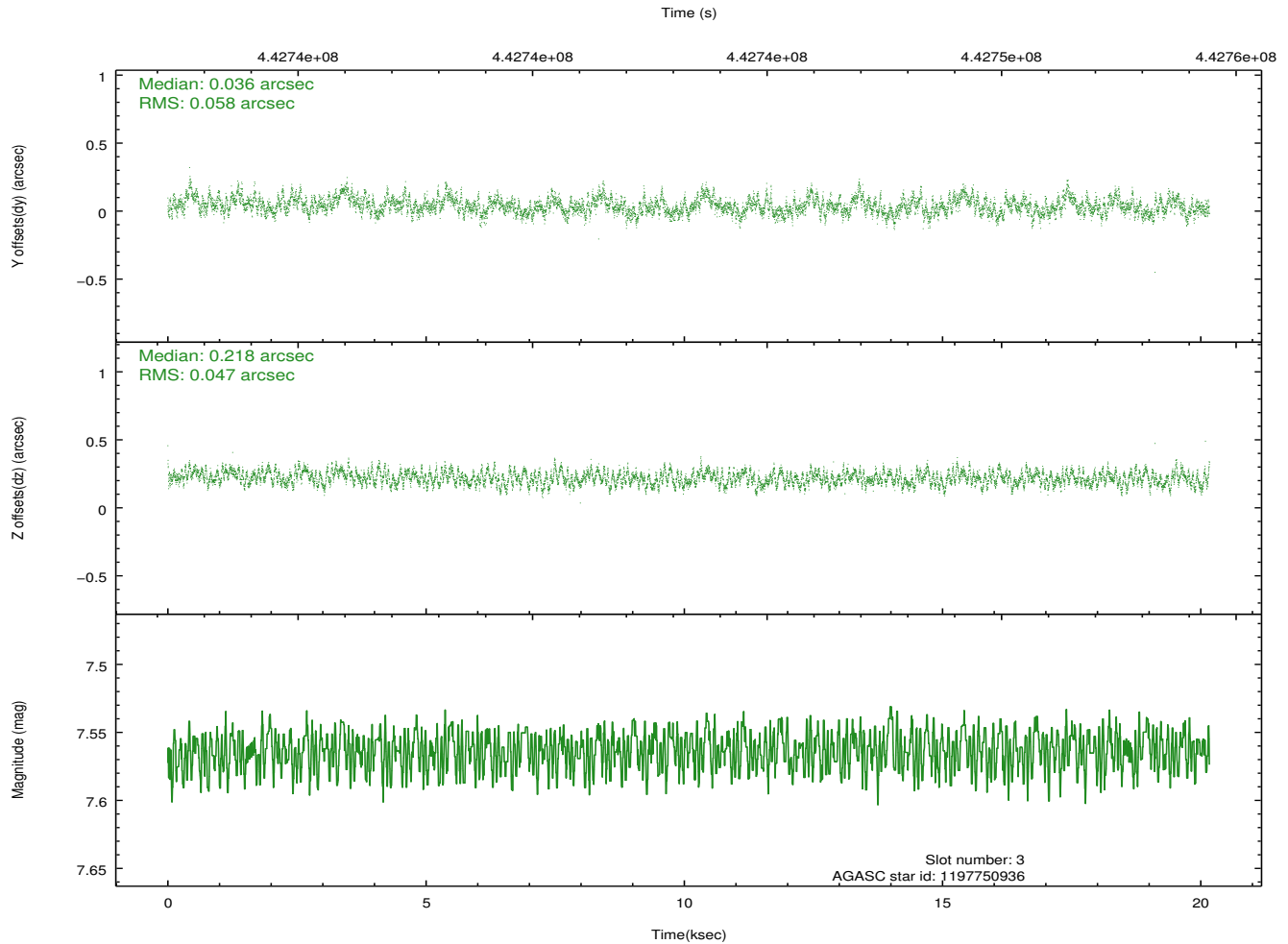
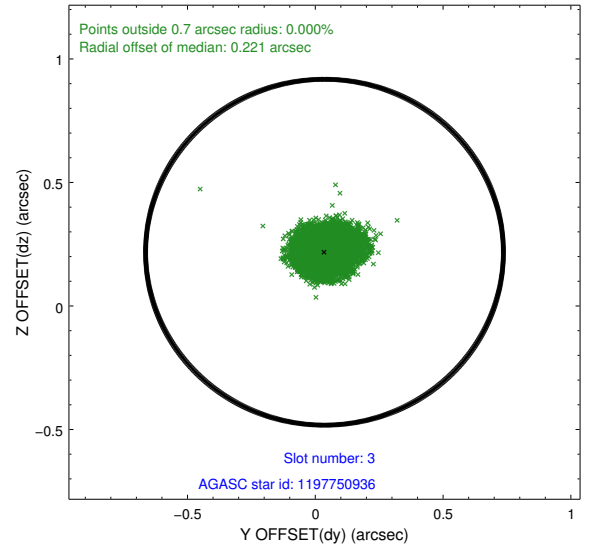
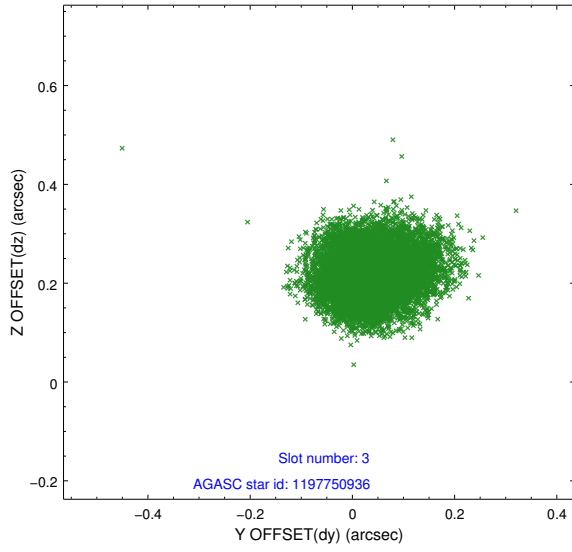


Slot Statistics

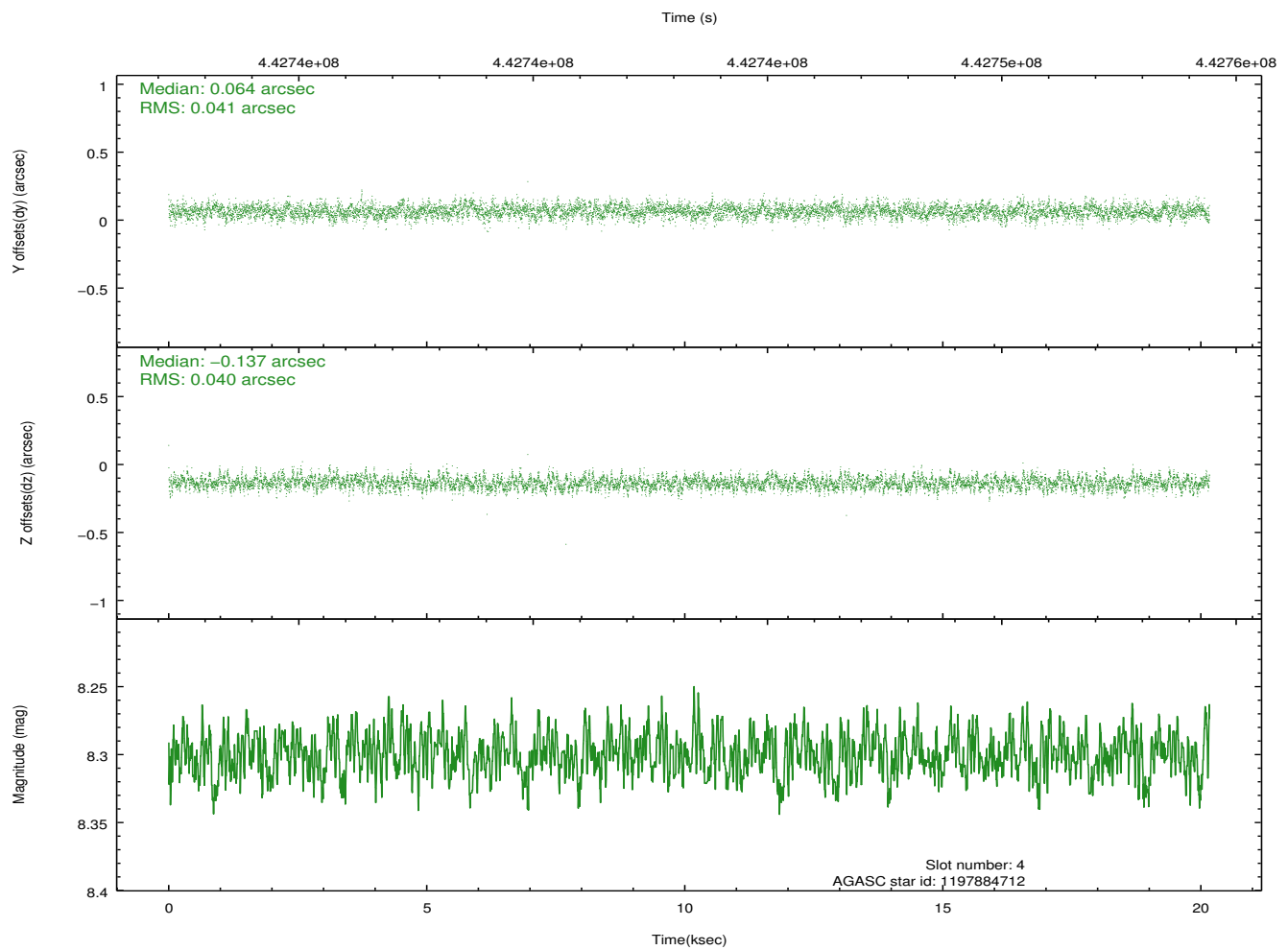
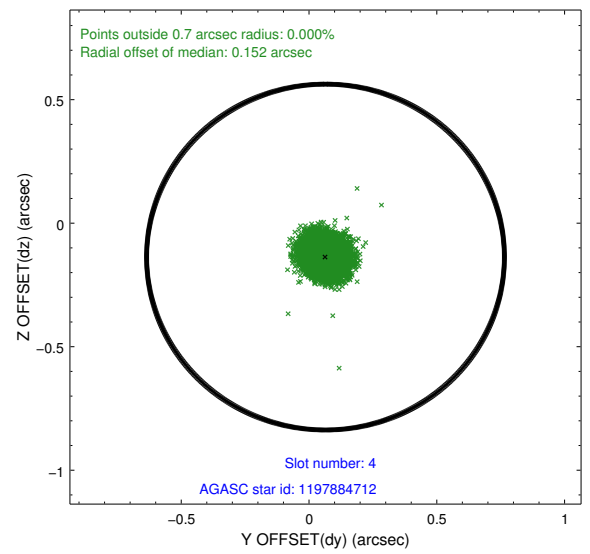
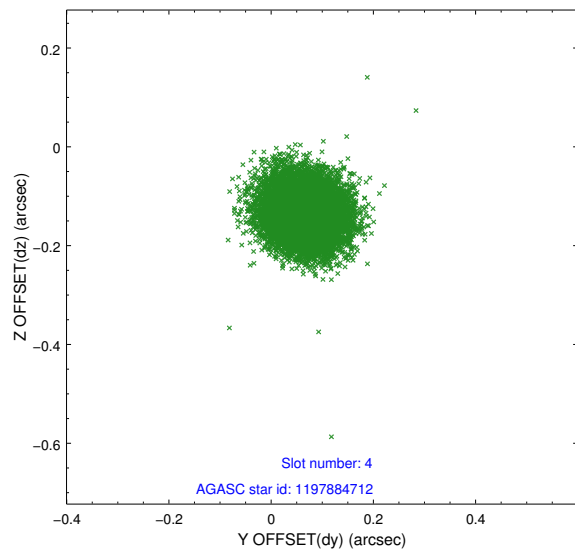
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.94	4919	-0.071	-0.030	0.015	0.024	0.000000	0.000000	-766.54	-1736.14
1	FID	ACIS-S-4	7.02	4919	0.237	0.042	0.010	0.027	0.000000	0.000000	2146.95	172.23
2	FID	ACIS-S-5	7.05	4920	-0.196	-0.005	0.014	0.022	0.000000	0.000000	-1819.28	166.06
3	GUIDE	1197750936	7.56	9837	0.036	0.218	0.079	0.126	15.387940	-71.549550	-1600.09	-636.62
4	GUIDE	1197884712	8.30	9838	0.064	-0.137	0.060	0.099	16.087398	-72.252690	934.01	134.03
5	GUIDE	1197885328	7.24	9838	0.053	-0.092	0.080	0.137	16.283090	-71.733943	-931.16	375.16
6	GUIDE	1197885104	9.33	9830	-0.028	-0.070	0.118	0.189	17.845067	-72.189368	754.70	2070.77
7	GUIDE	1198283128	7.84	9838	-0.134	0.083	0.054	0.089	17.272580	-72.642428	2362.50	1392.87

2.4 Star Slots

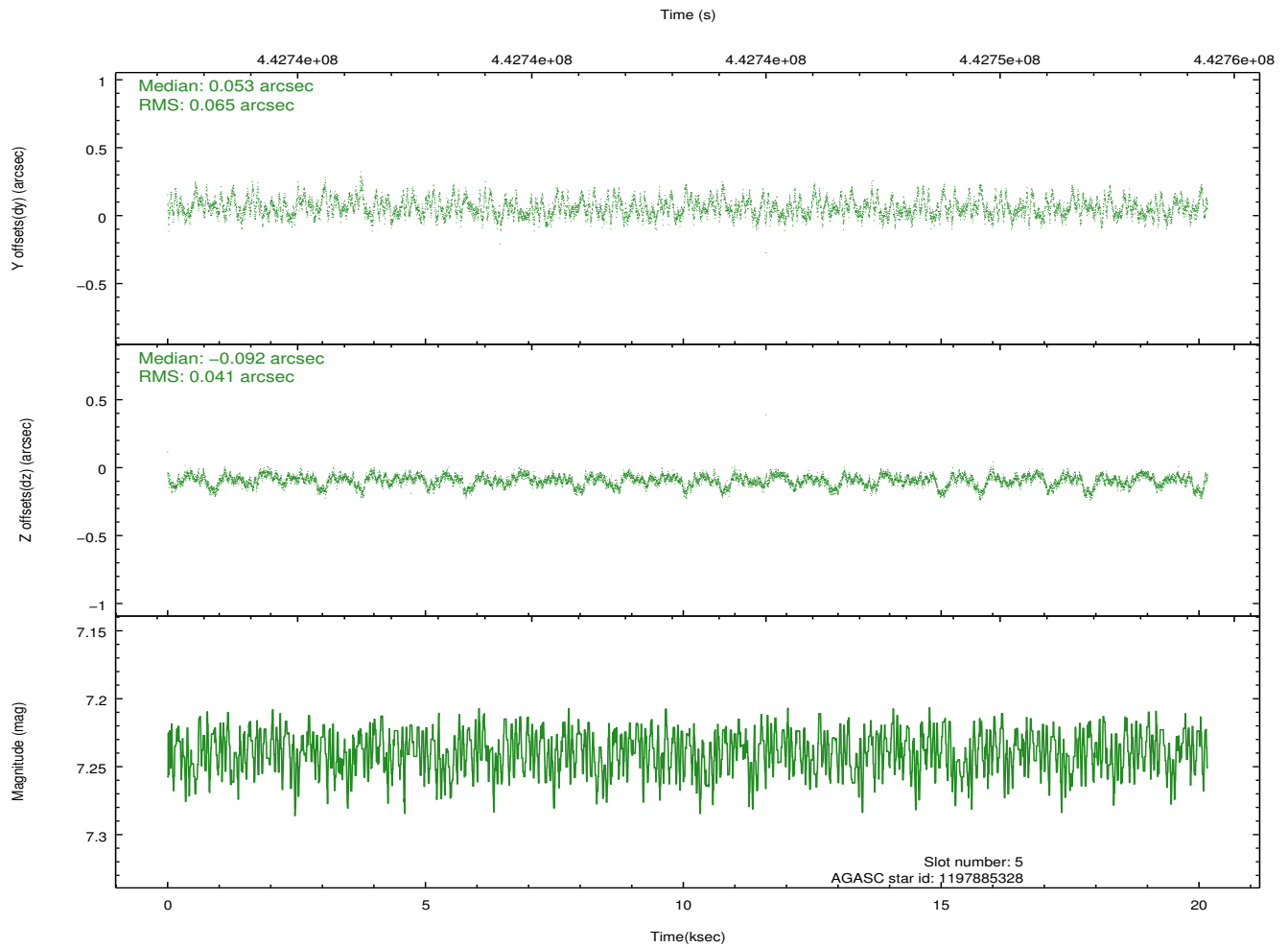
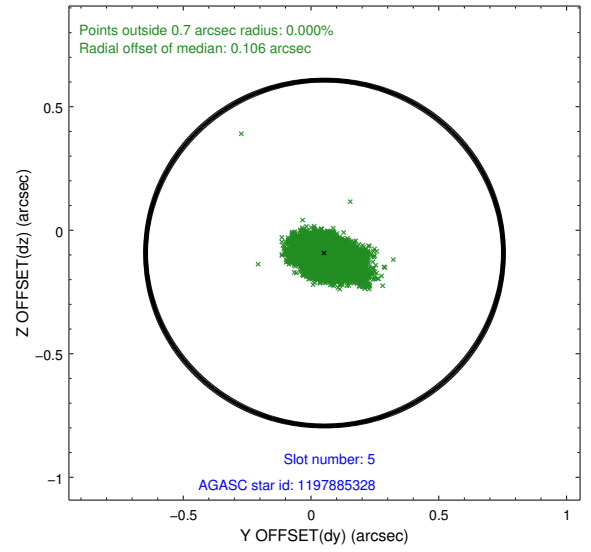
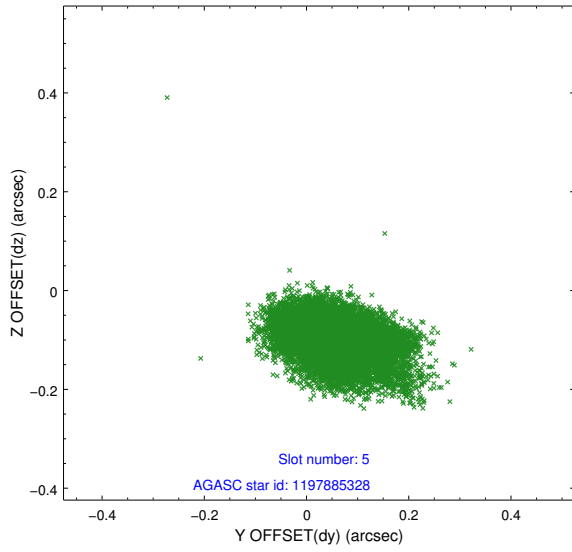
2.4.1 Slot 3



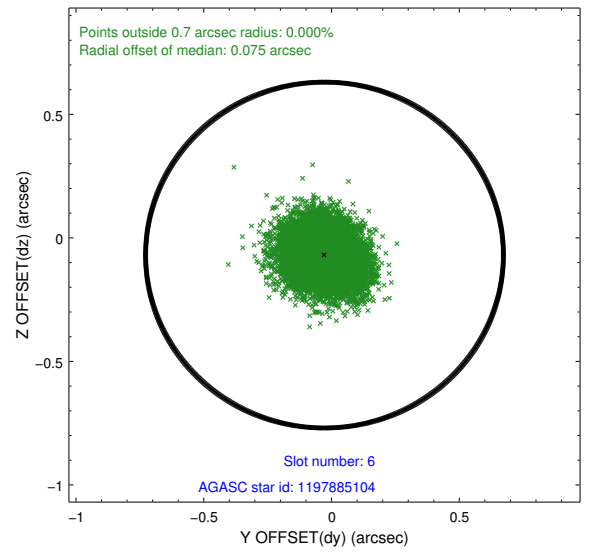
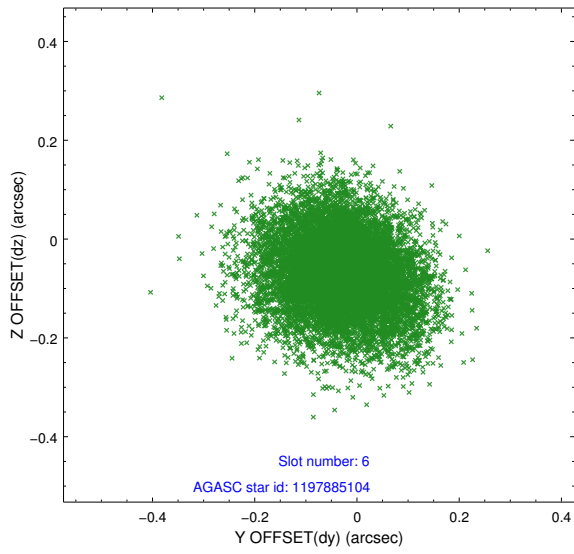
2.4.2 Slot 4



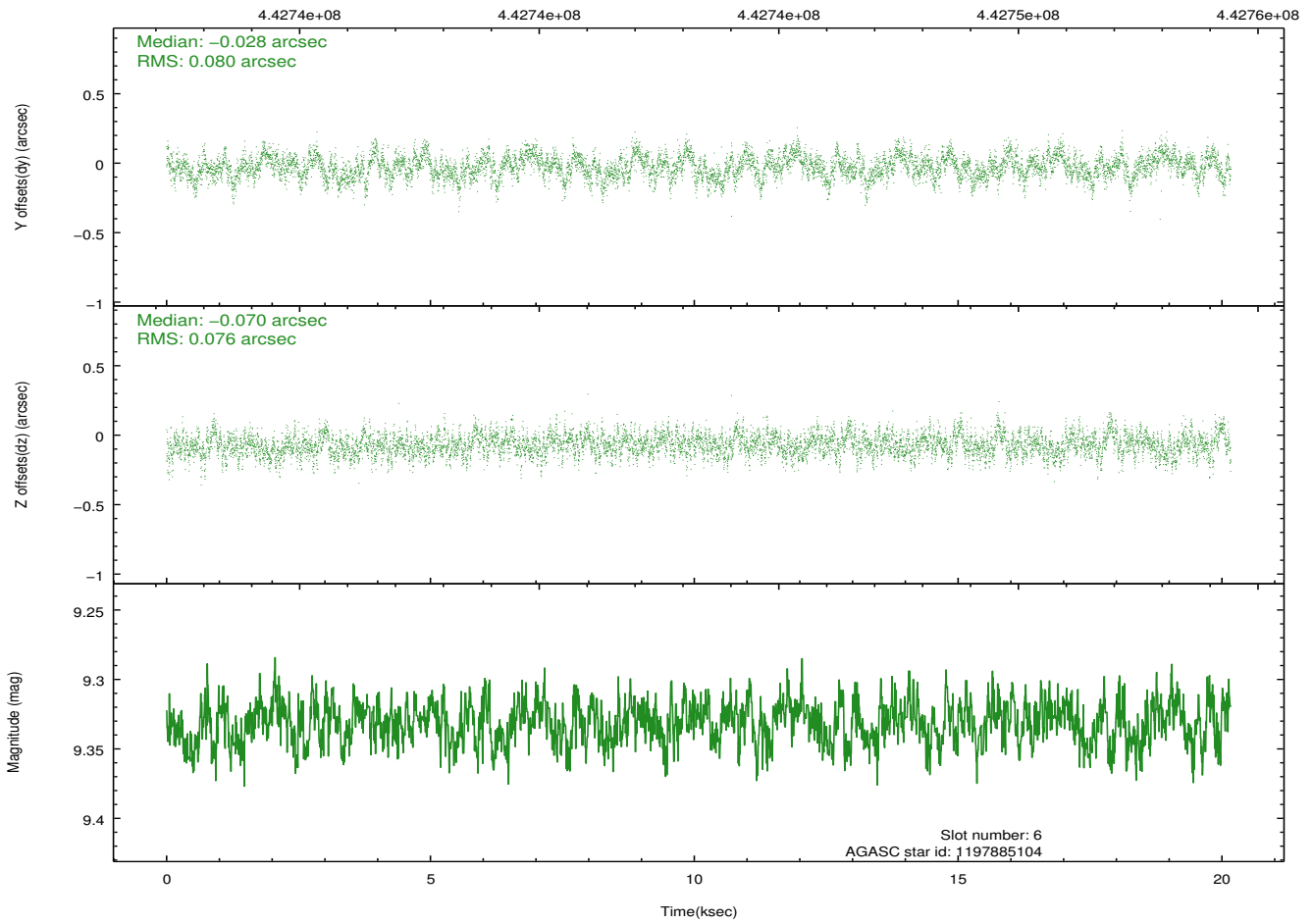
2.4.3 Slot 5



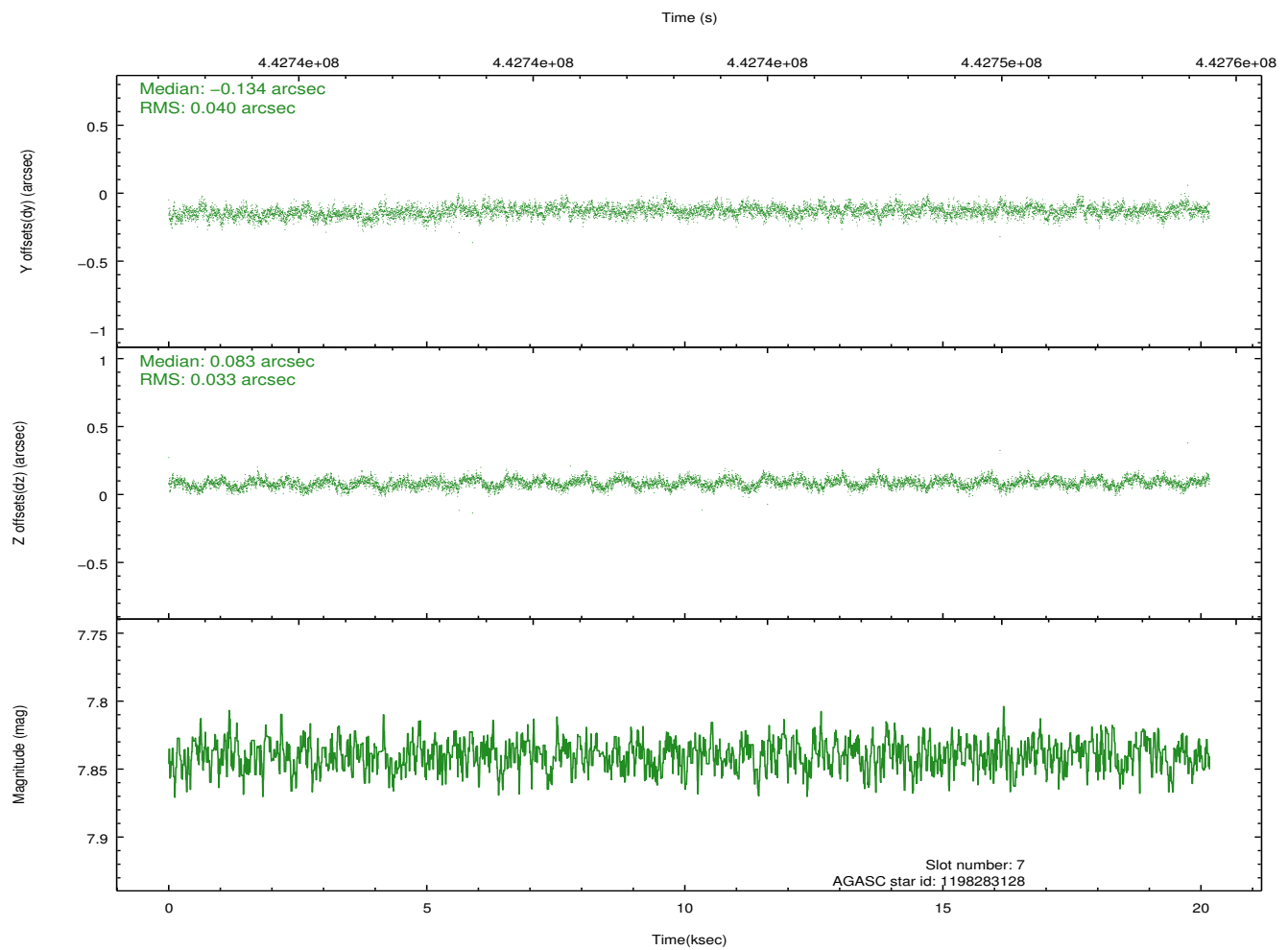
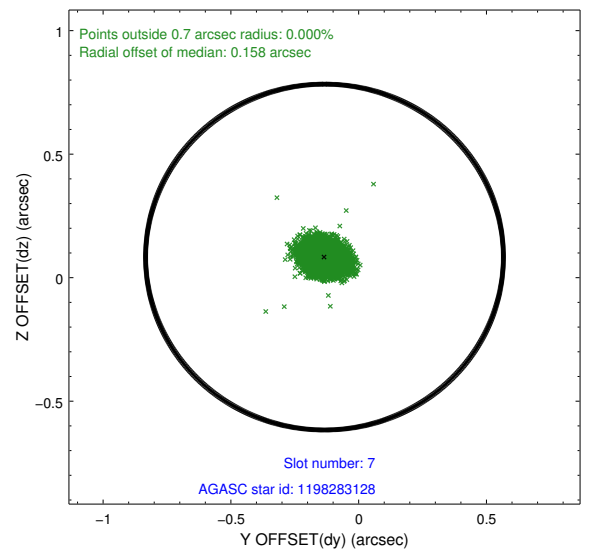
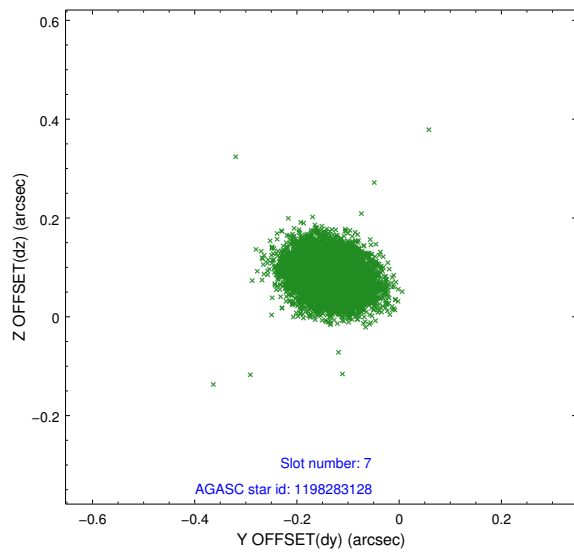
2.4.4 Slot 6



Time (s)

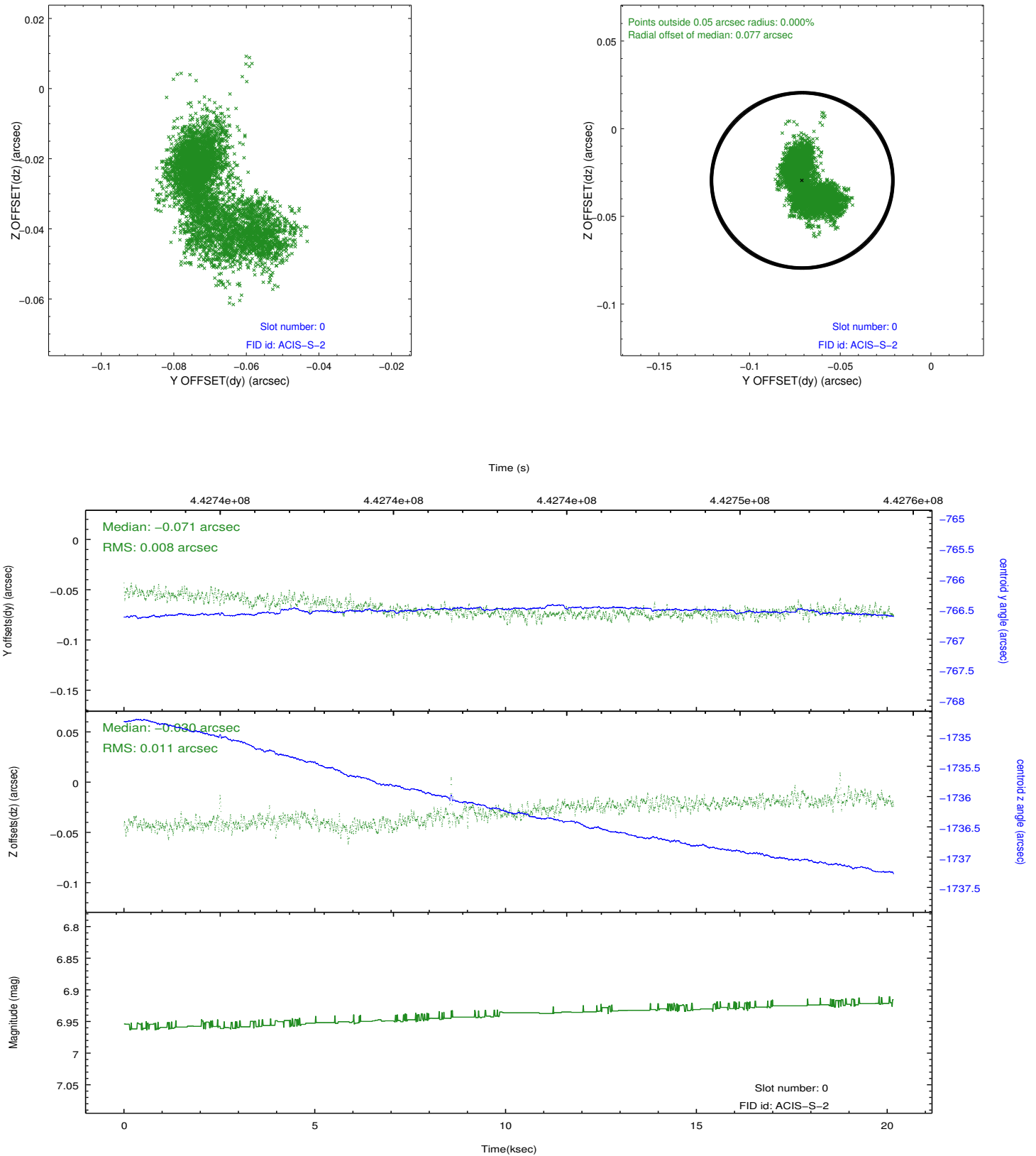


2.4.5 Slot 7

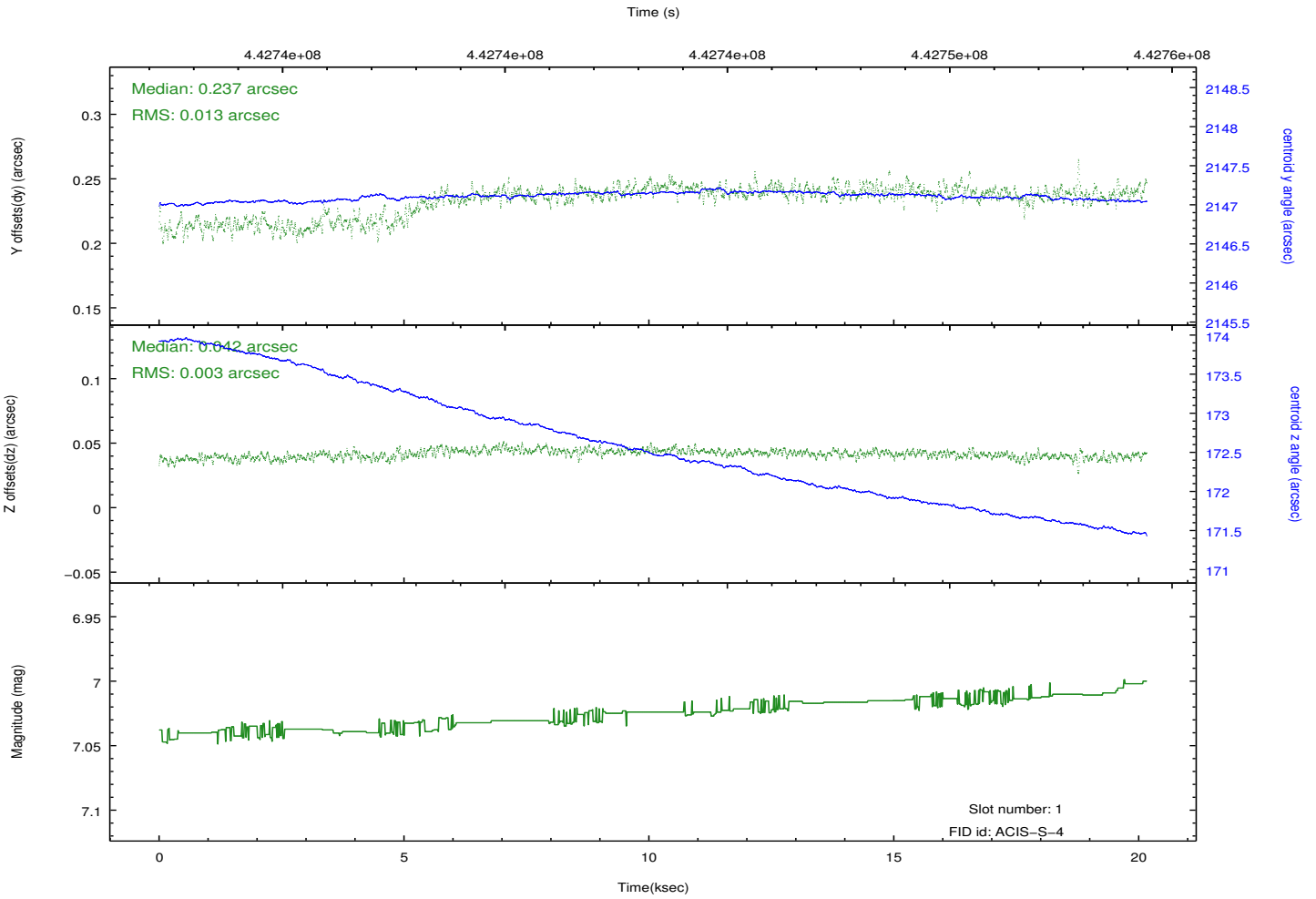
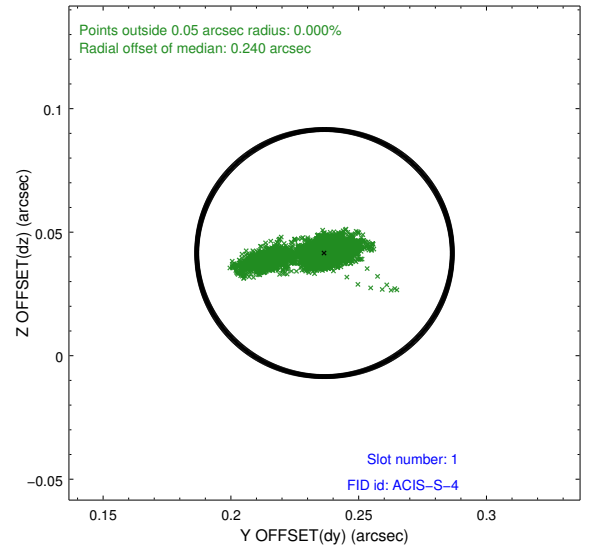
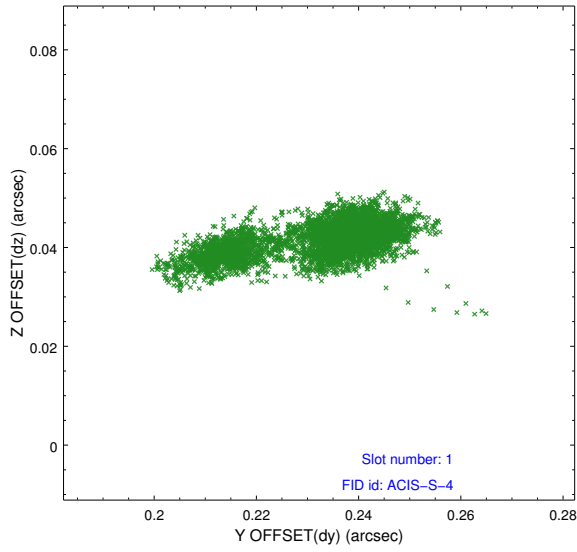


2.5 FID Slots

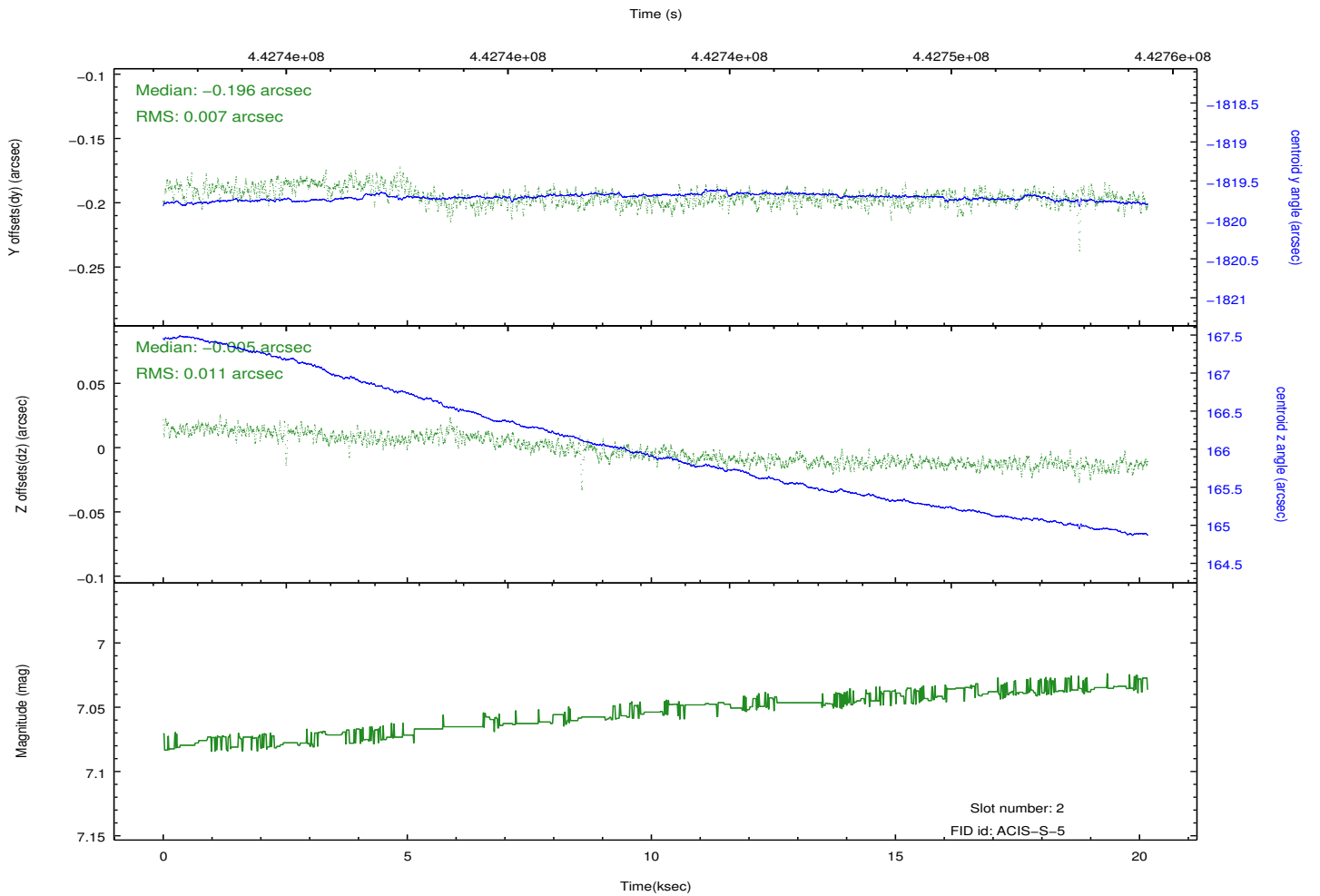
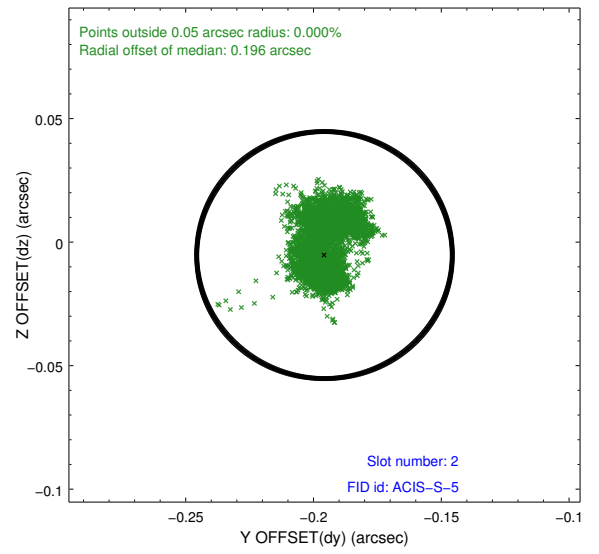
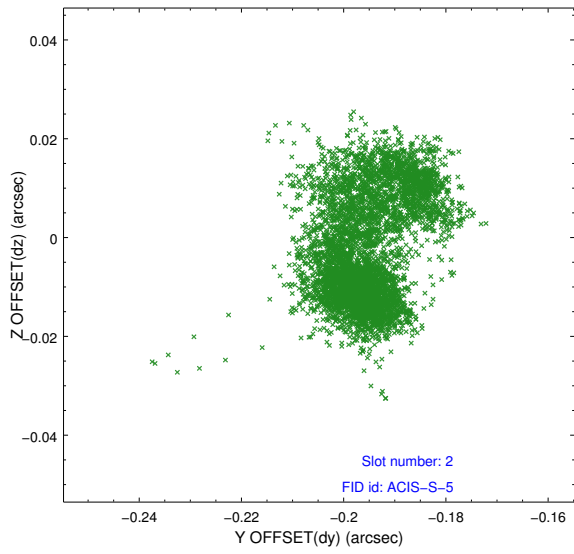
2.5.1 Slot 0



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)	2012.01.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.026400298476

A.2 Comments

Window constraint met.