

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11957 - L2 Version 2
Chandra X-Ray Center

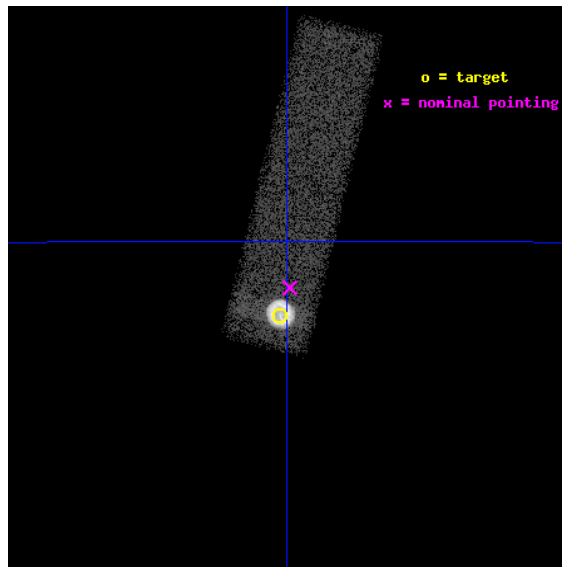
L2 Processing Date : Jun 18 2012

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1 Front

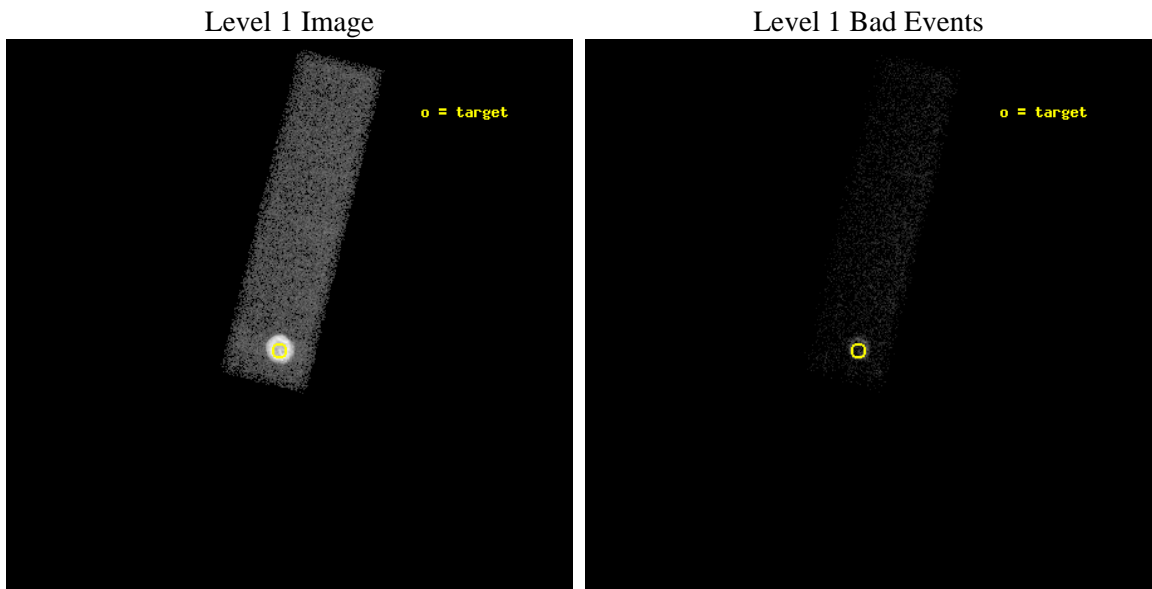
seq_num	590500	Sequence number
obs_id	11957	Observation id
title	AO-11 Calibration Observations of E0102-72	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	E0102-72 S3,-120,1,0,0	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	16.01	Observer's specified target RA [deg]
dec_targ	-72.032028	Observer's specified target Dec [deg]
ra_nom	15.995391608344	Nominal RA [deg]
dec_nom	-72.020213240955	Nominal Dec [deg]
roll_nom	283.84203431162	Nominal Roll [deg]
revision	2	Processing version of data
ontime	19392.800289035	Sum of GTIs [s]
livetime	18446.495090873	Livetime [s]
ontime7	19392.800289035	Sum of GTIs [s]
l2events	136955	Number of level 2 events



2 OBI

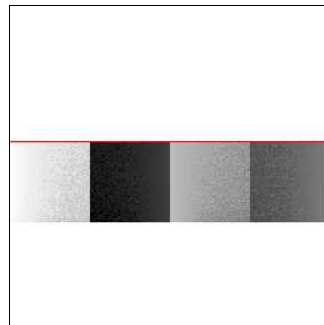
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	19223.894000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	19392.800289035	Sum of GTIs [s]
caldbver	4.4.10	 	ontime7	19392.800289035	Sum of GTIs [s]
date	2012-06-18T20:31:14	Date and time of file creation	l1events	160120	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

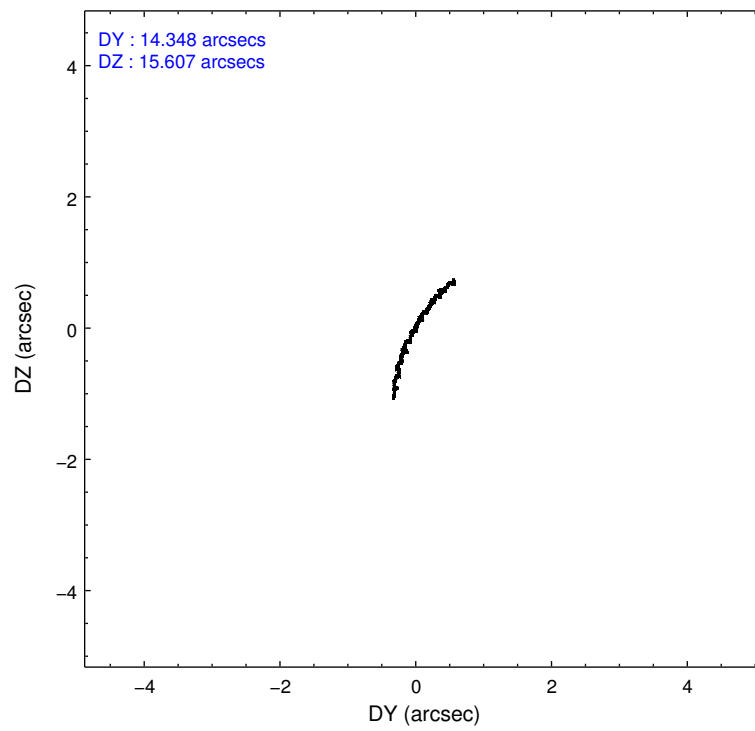
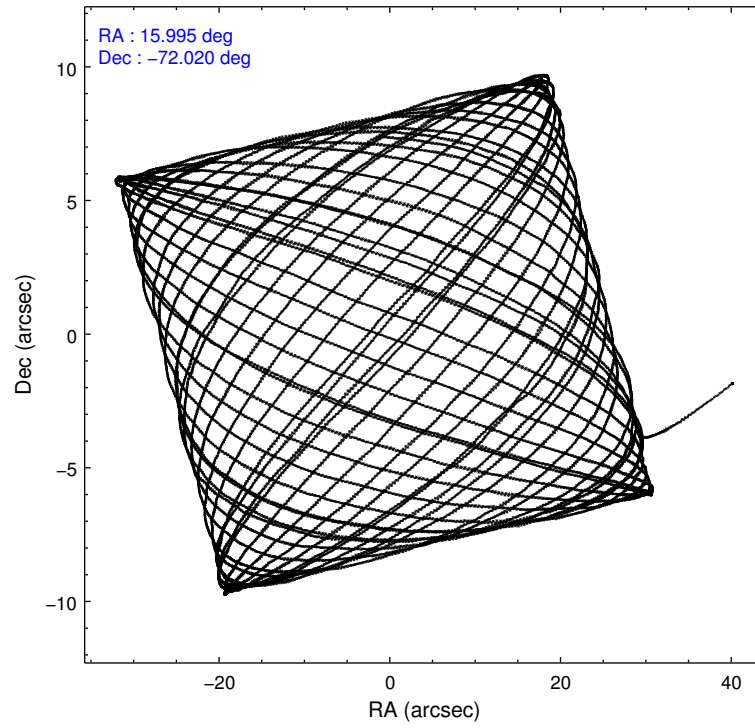
	ccd 7
level 1 events	160120
rejected events	22364
rejected %	13%

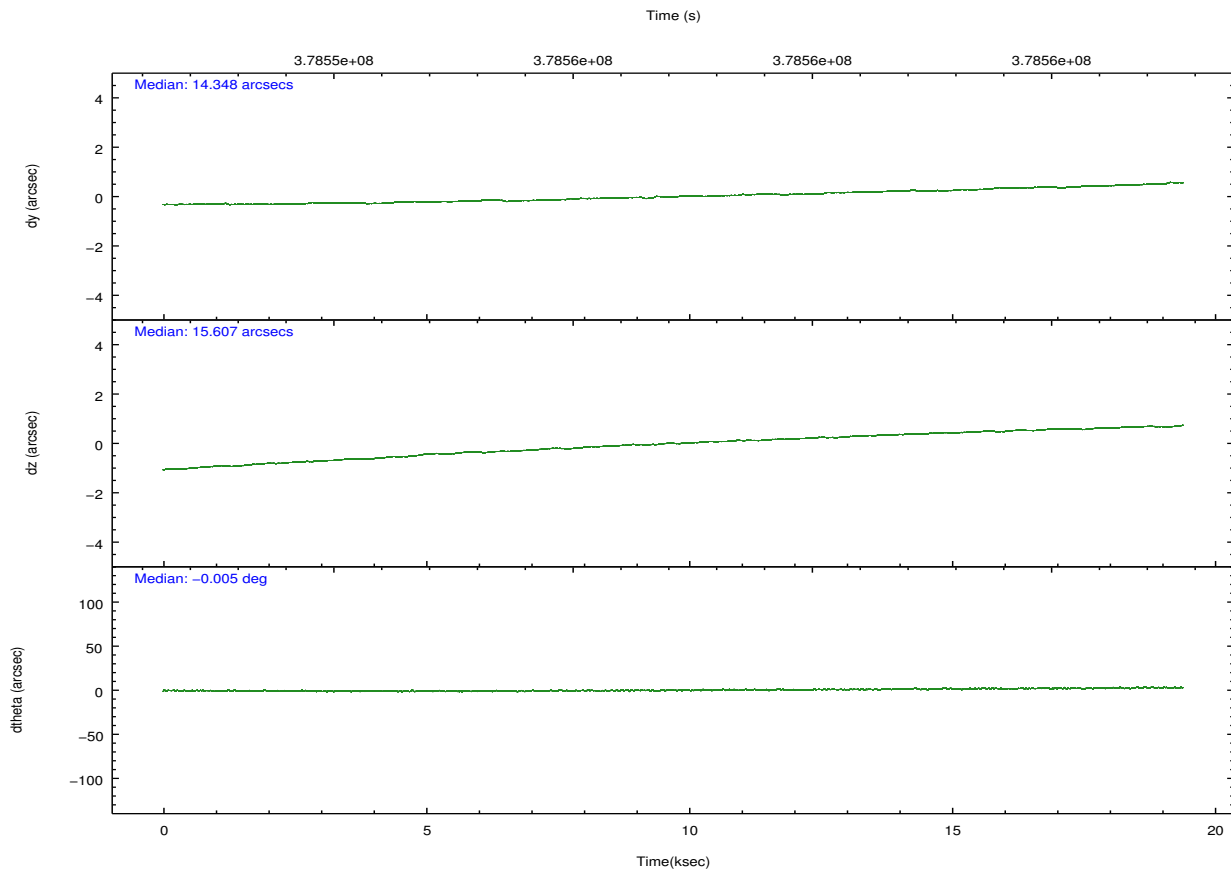
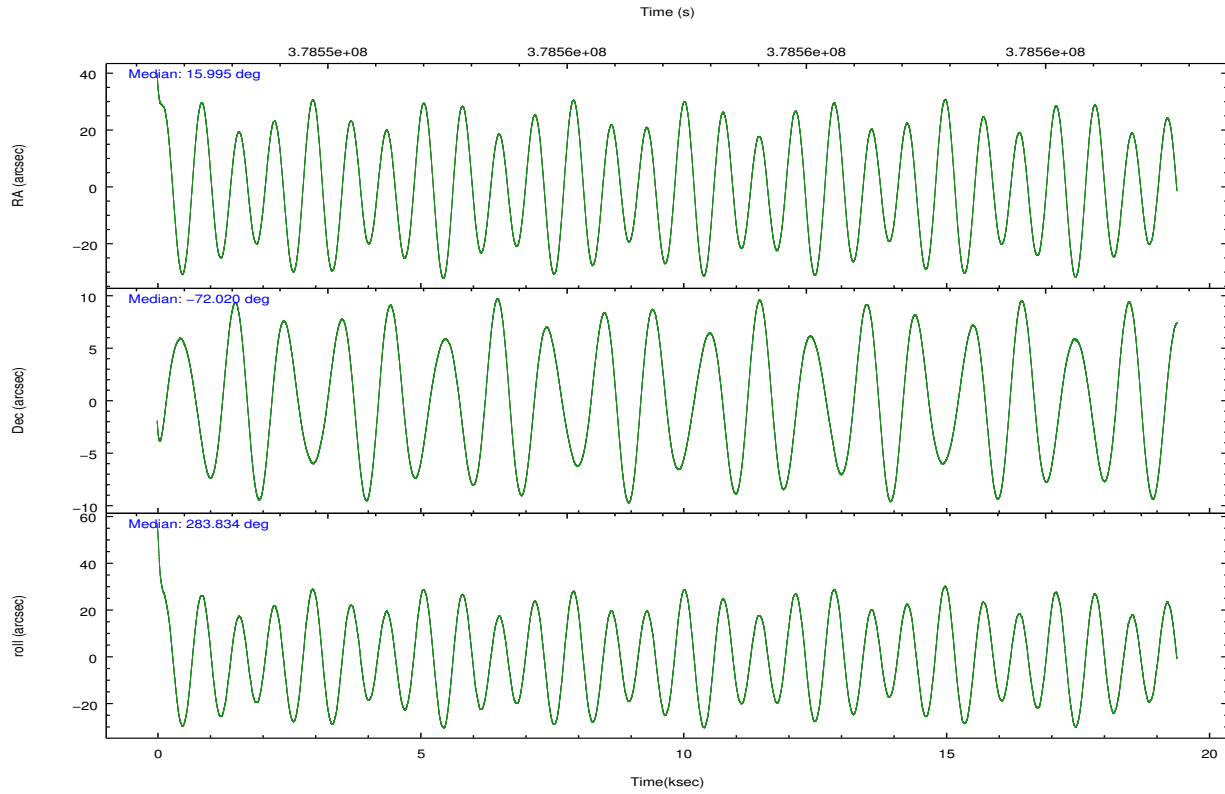
	ccd 7
grade 0 events	38119
	23%
grade 1 events	242
	0%
grade 2 events	38231
	23%
grade 3 events	17043
	10%
grade 4 events	16367
	10%
grade 5 events	5523
	3%
grade 6 events	29343
	18%
grade 7 events	15252
	9%

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	15.933158	15.99539160834406	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	-72.000759	-72.02021324095453	Subarray start row	335	335
[deg] Pointing Roll	283.626209	283.8420343116196	Subarray row count	256	256
[s] Window start time (MET)	376012866.184000	376012866.184000	Alternating exposures requested	N	N
[s] Window stop time (MET)	388972866.184000	388972866.184000	[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)	378547547.184000	378546650.61689			
Observation start date	2009-12-30T08:04:41	2009-12-30T07:50:50			
[s] Observation end time (MET)	378566771.184000	378566993.28042			
Observation end date	2009-12-30T13:25:05	2009-12-30T13:29:53			
Read mode	TIMED	TIMED			

2.3 Aspect



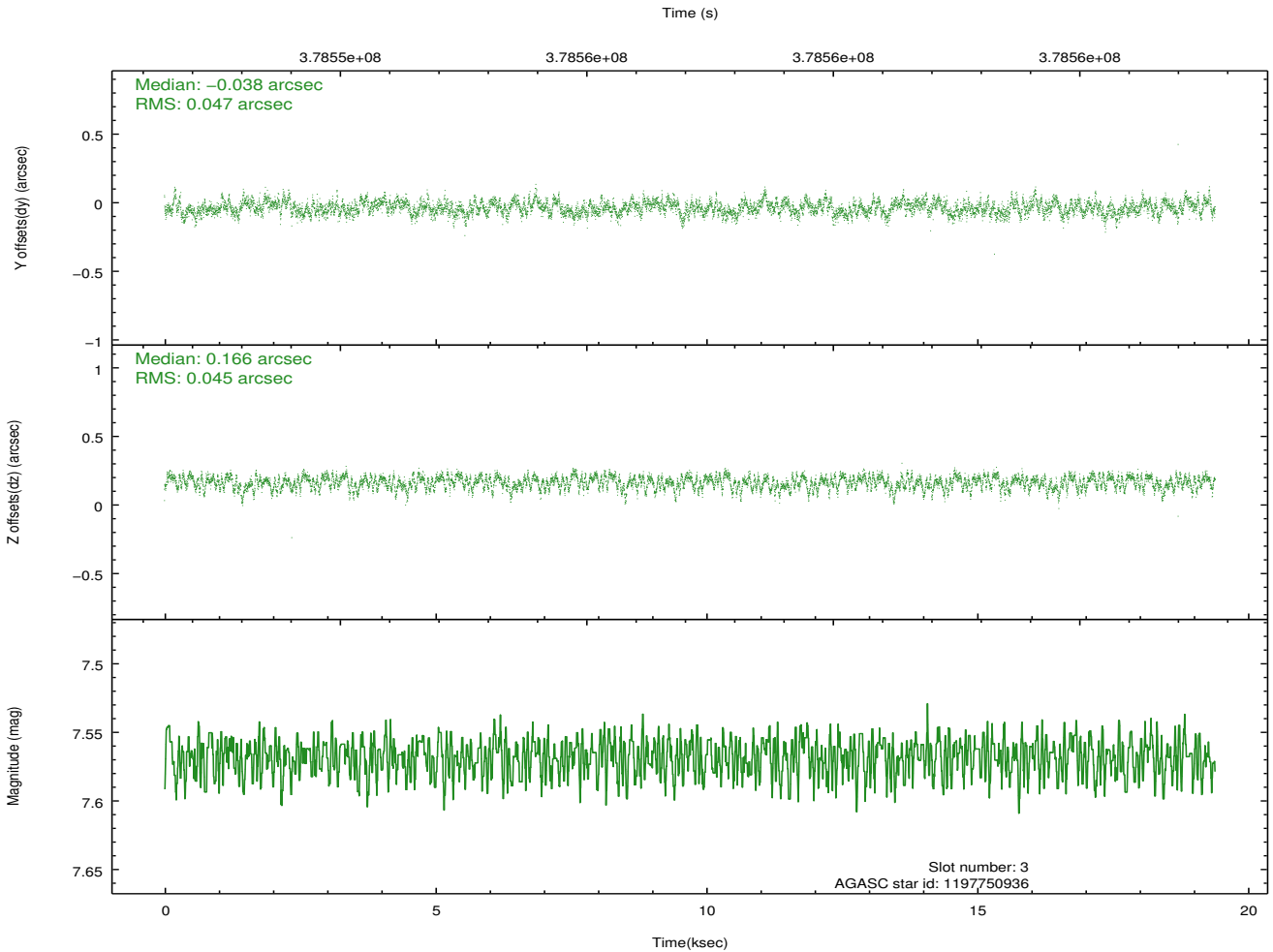
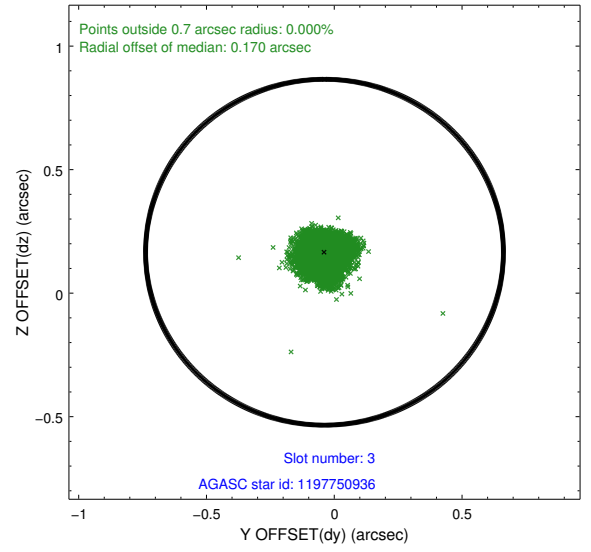
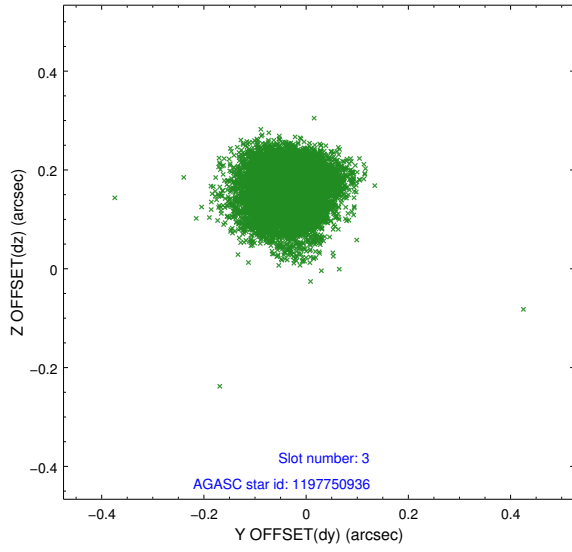


Slot Statistics

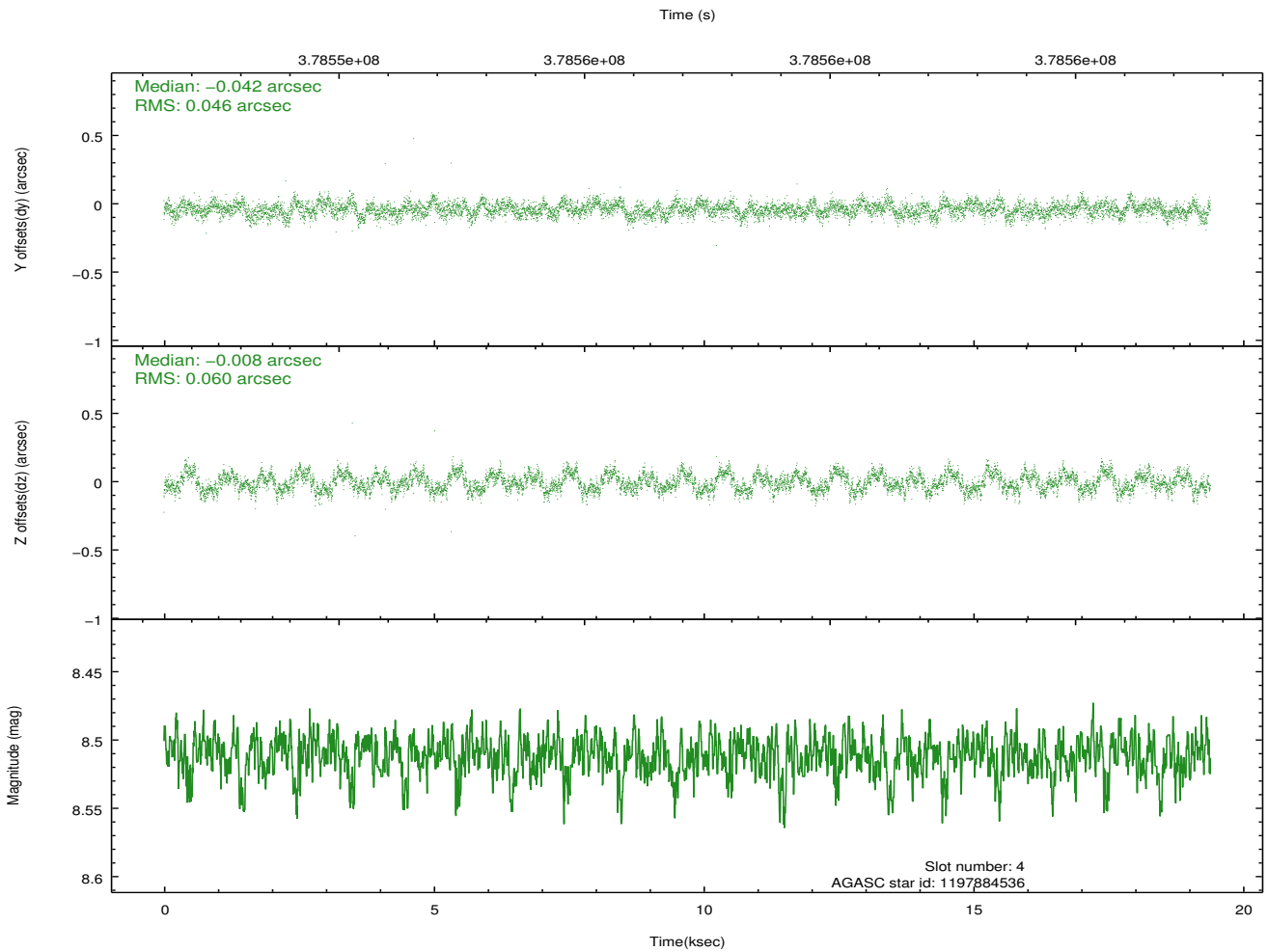
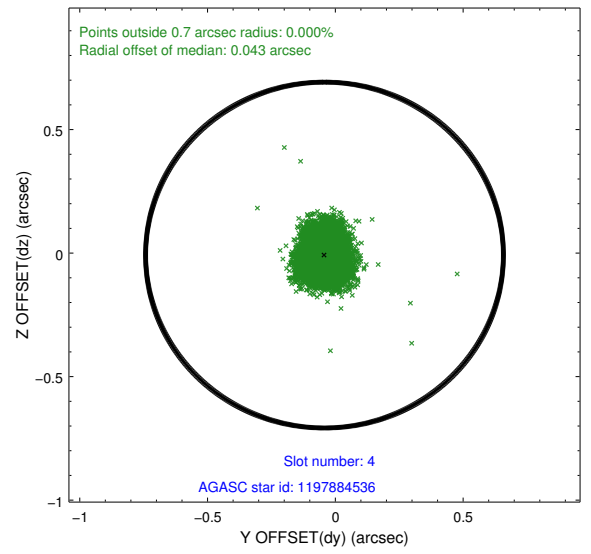
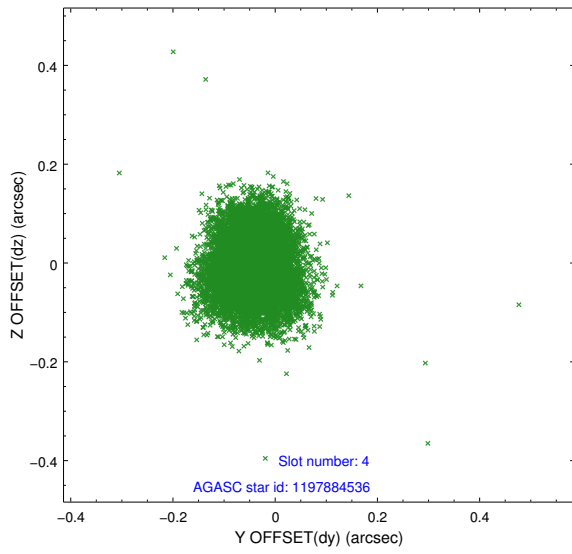
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.95	4731	-0.077	-0.021	0.008	0.015	0.000000	0.000000	-767.39	-1736.97
1	FID	ACIS-S-4	7.04	4731	0.201	0.043	0.007	0.012	0.000000	0.000000	2146.06	171.40
2	FID	ACIS-S-5	7.07	4731	-0.155	-0.014	0.008	0.015	0.000000	0.000000	-1820.07	165.21
3	GUIDE	1197750936	7.57	9462	-0.038	0.166	0.069	0.109	15.387940	-71.549550	-1721.58	-221.86
4	GUIDE	1197884536	8.51	9456	-0.042	-0.008	0.081	0.127	17.160729	-71.835289	-240.94	1475.70
5	GUIDE	1197885104	9.34	9457	0.031	-0.030	0.123	0.196	17.845067	-72.189368	1188.79	1877.52
6	GUIDE	1197885328	7.25	9461	0.025	-0.187	0.067	0.111	16.283090	-71.733943	-839.27	610.67
7	GUIDE	1198189696	7.39	9458	0.021	0.070	0.063	0.102	15.223750	-72.697522	2263.70	-1329.73

2.4 Star Slots

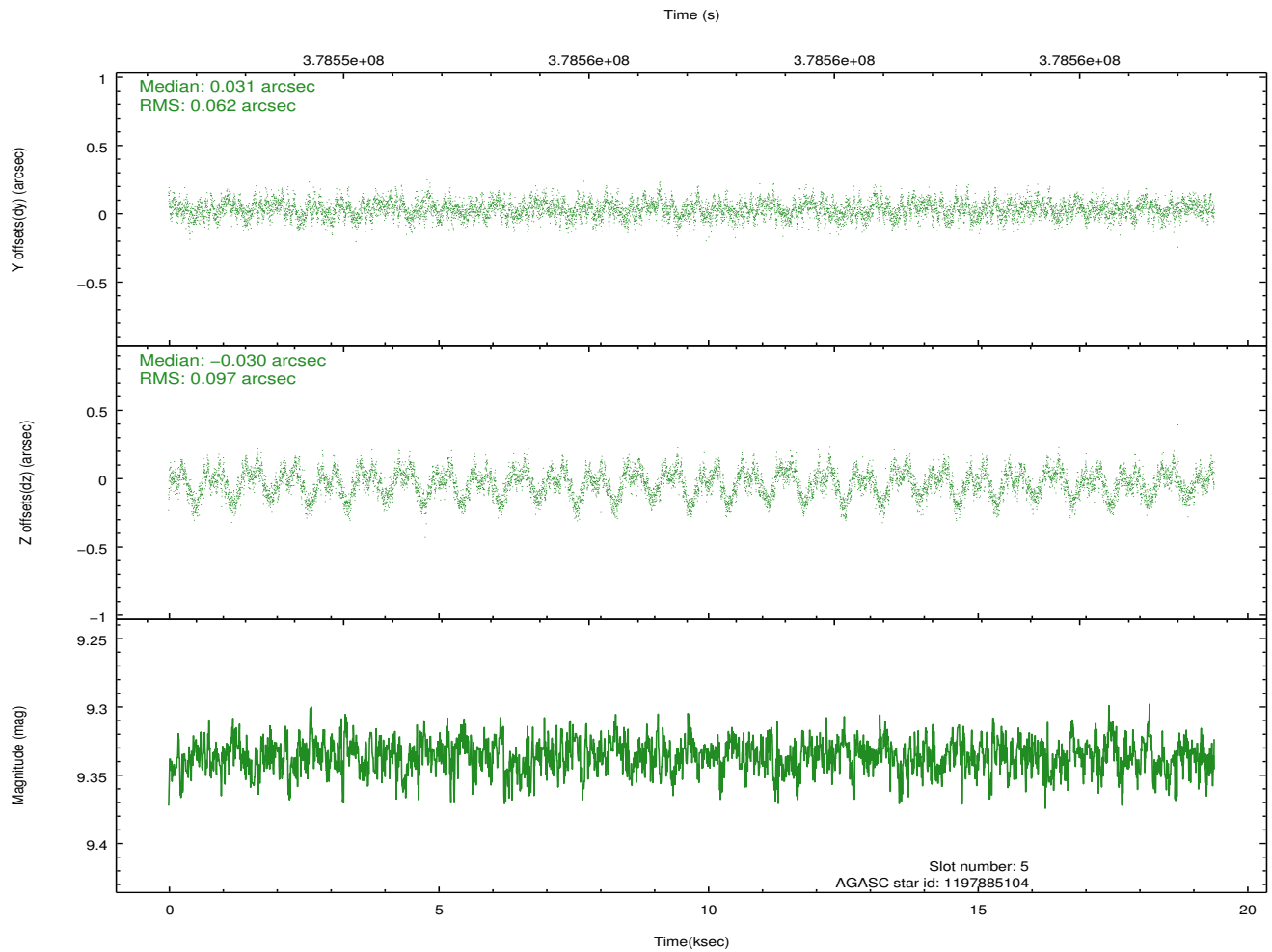
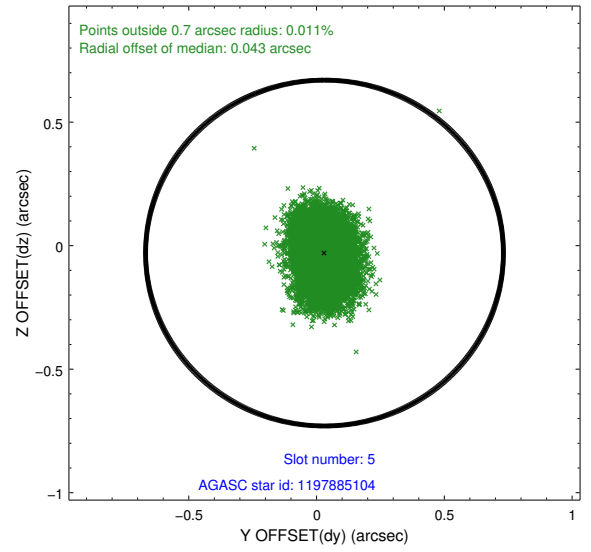
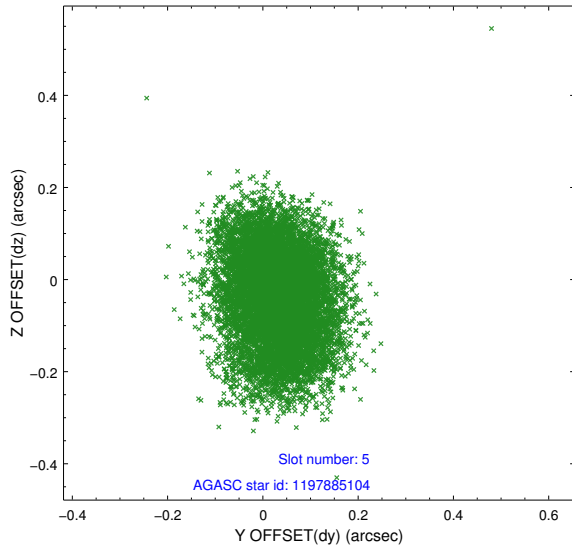
2.4.1 Slot 3



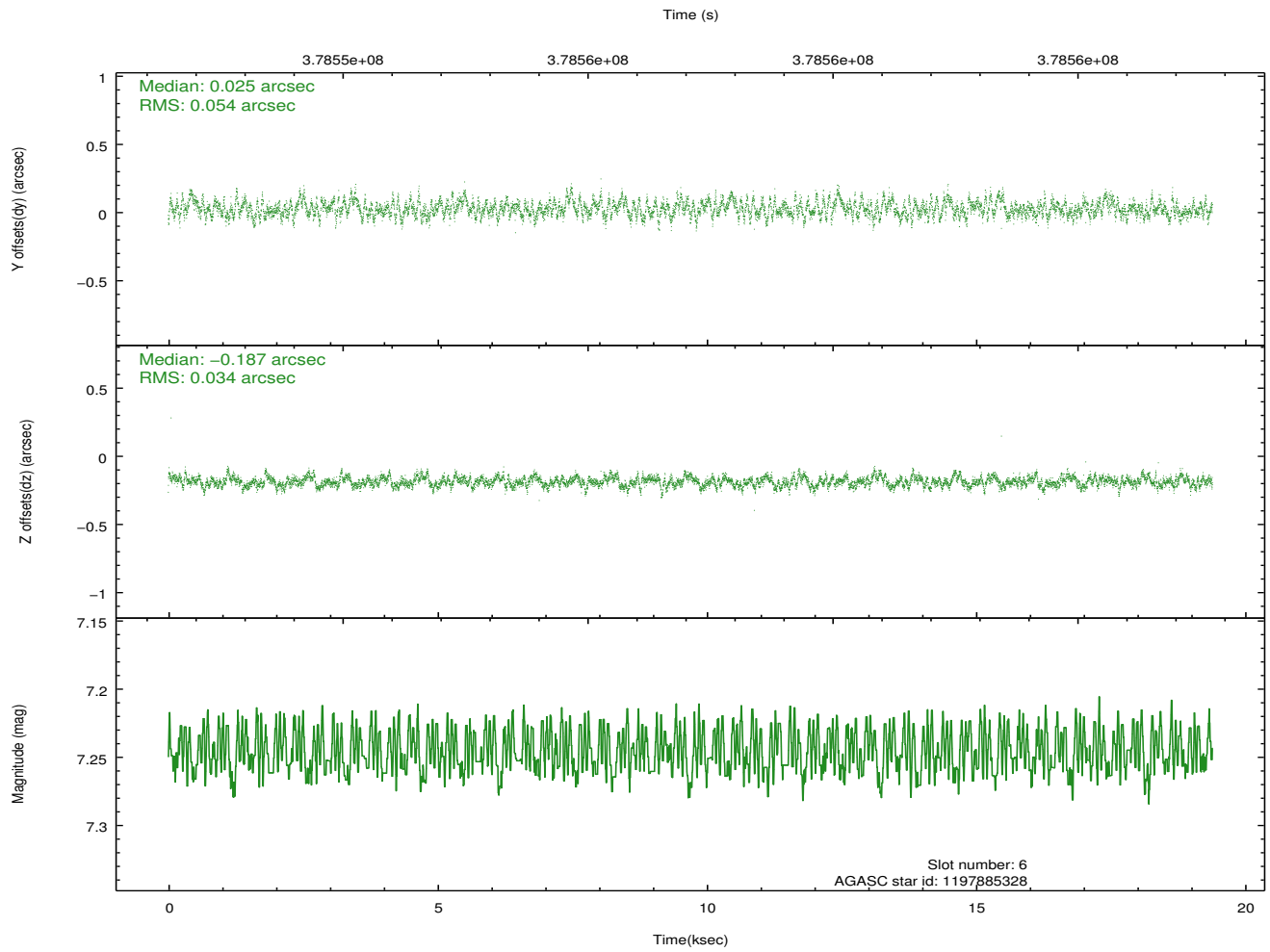
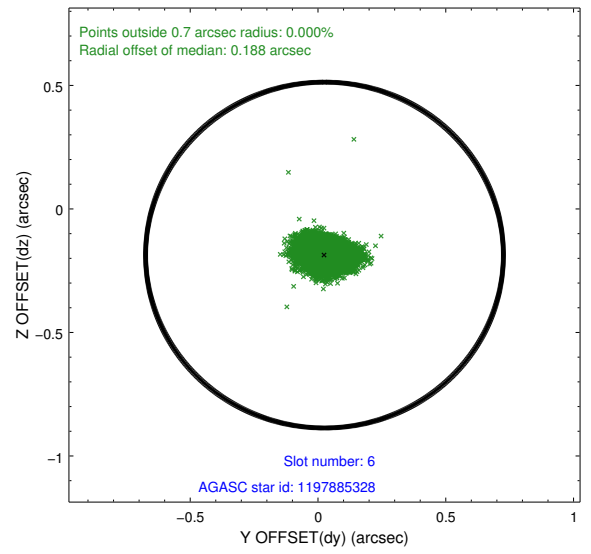
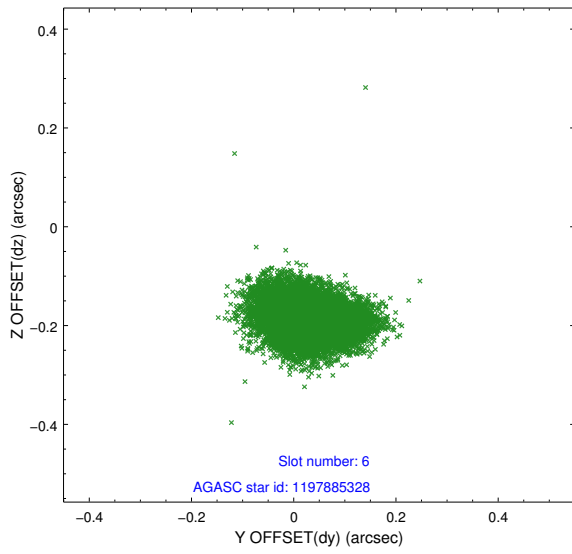
2.4.2 Slot 4



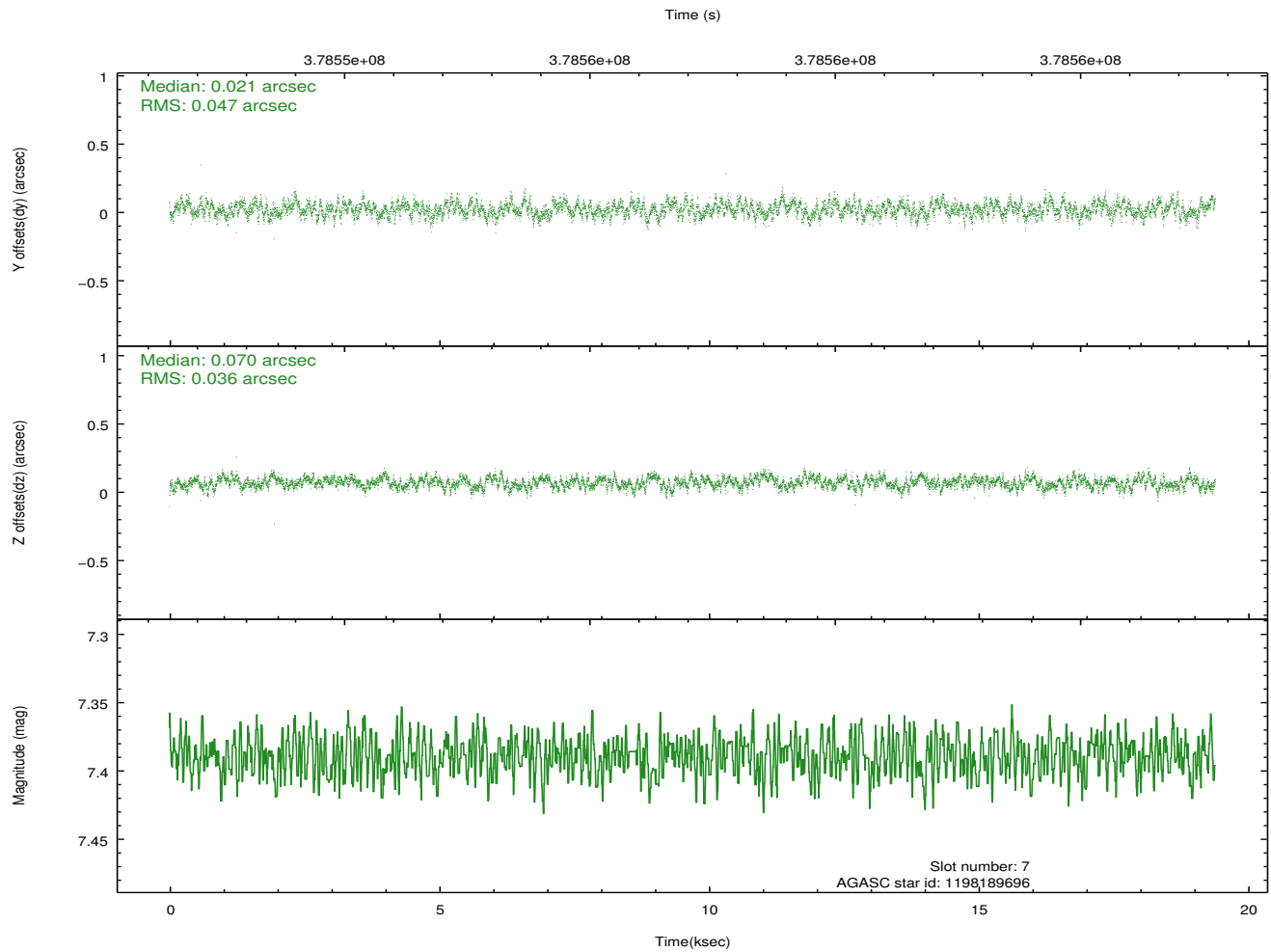
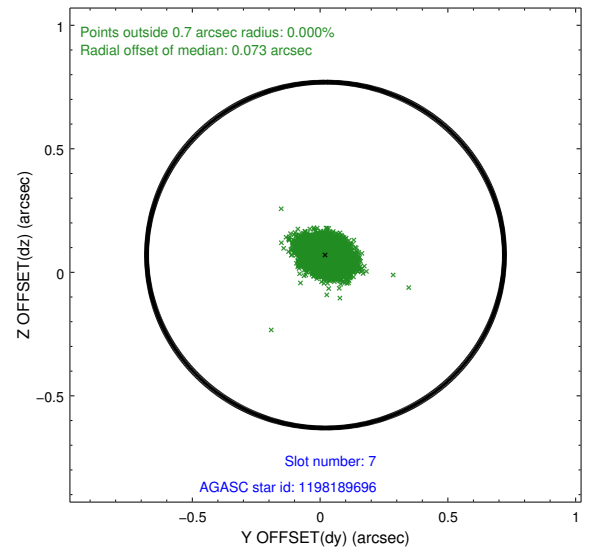
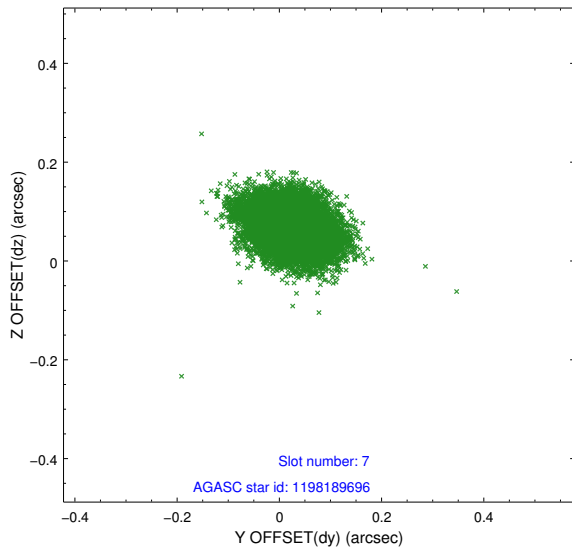
2.4.3 Slot 5



2.4.4 Slot 6

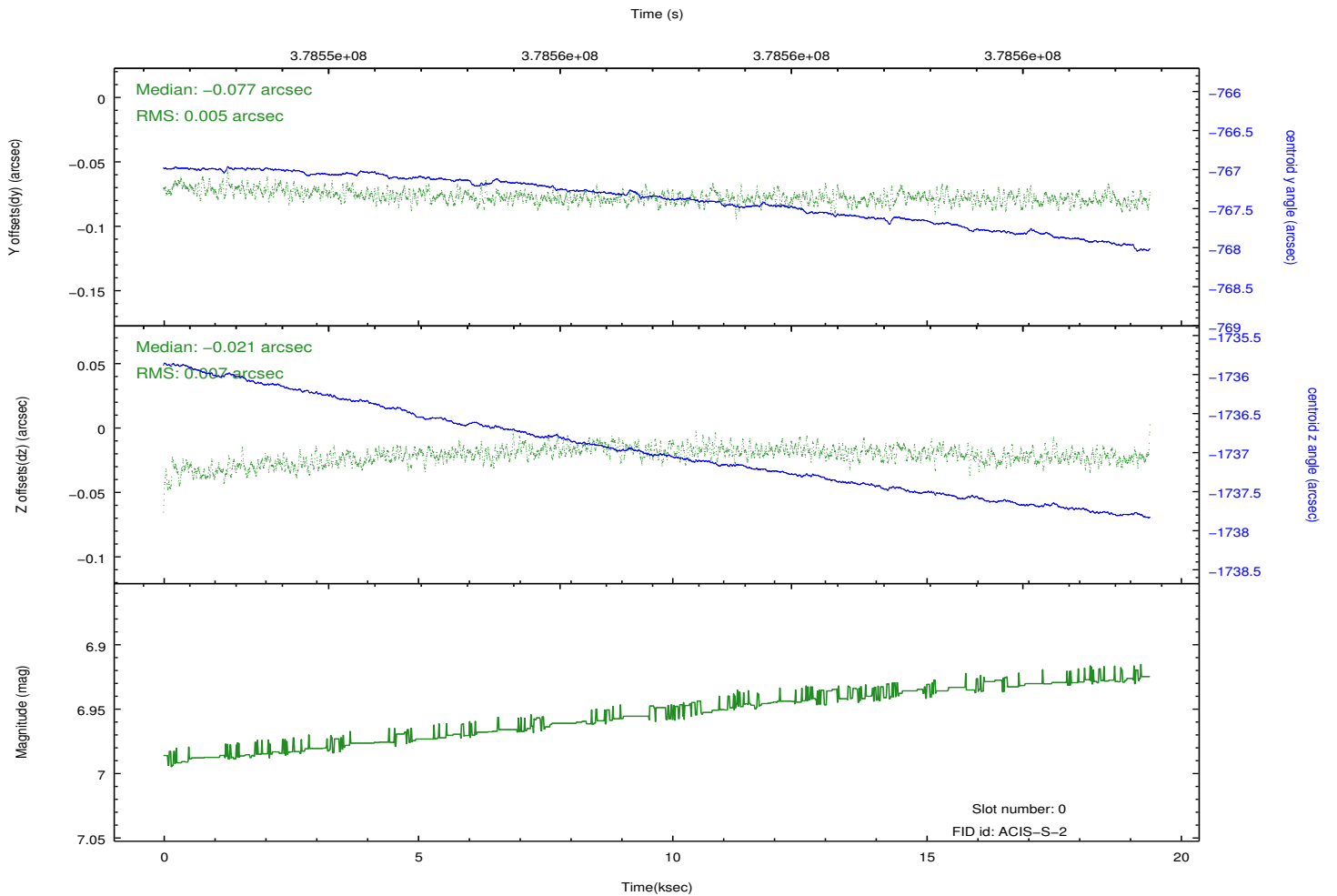
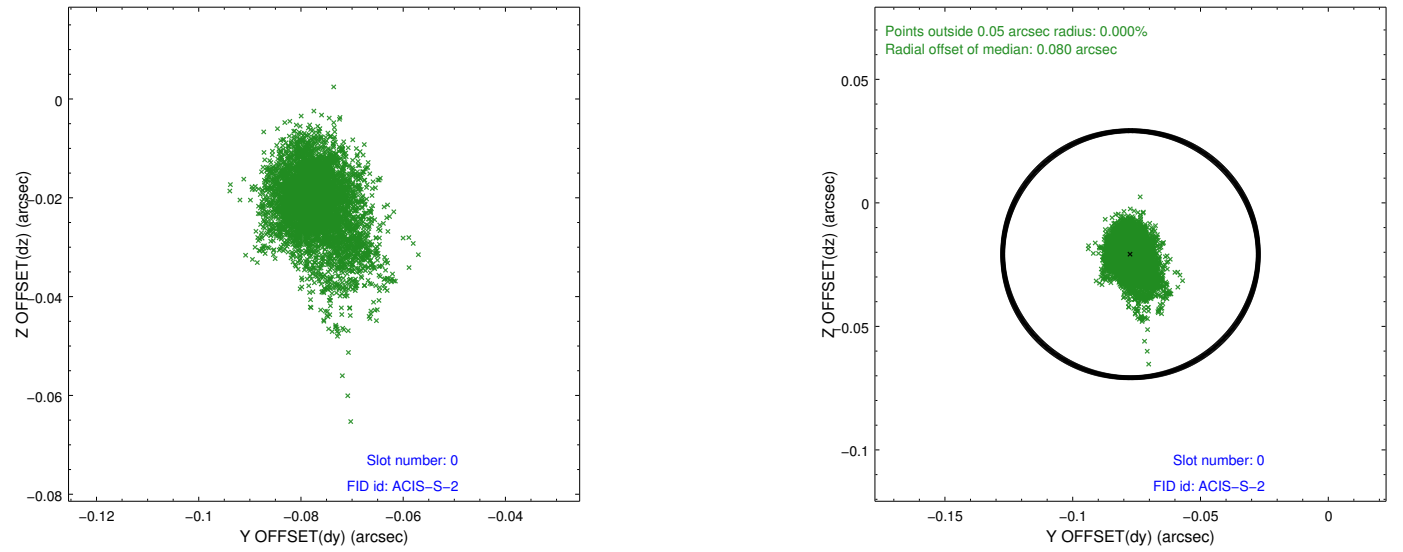


2.4.5 Slot 7

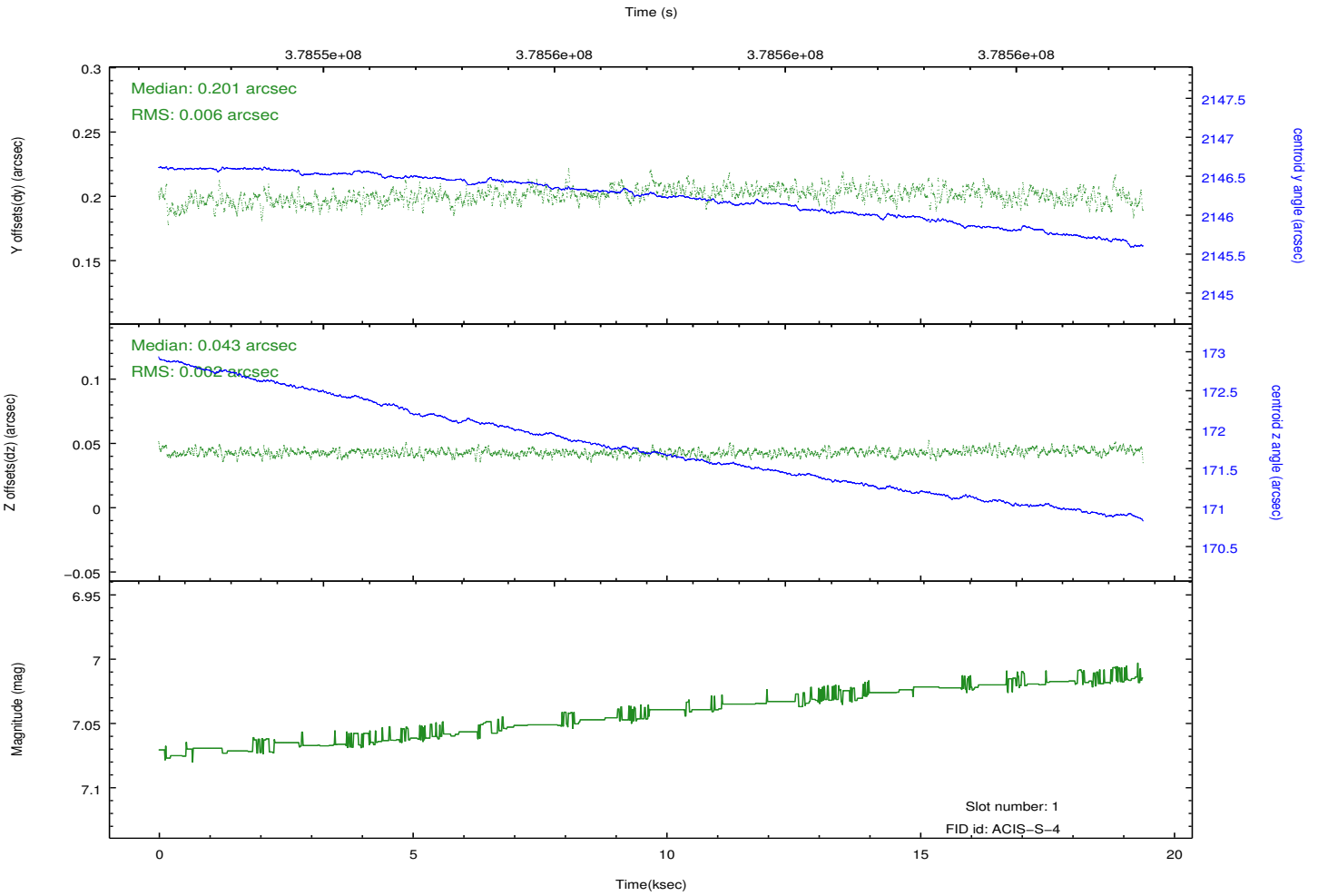
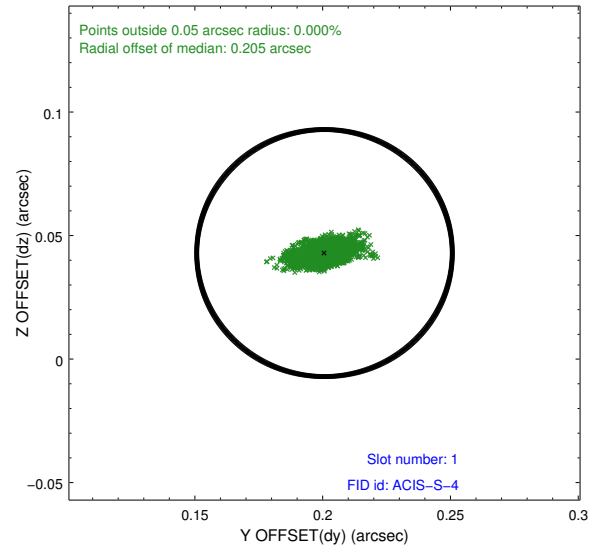
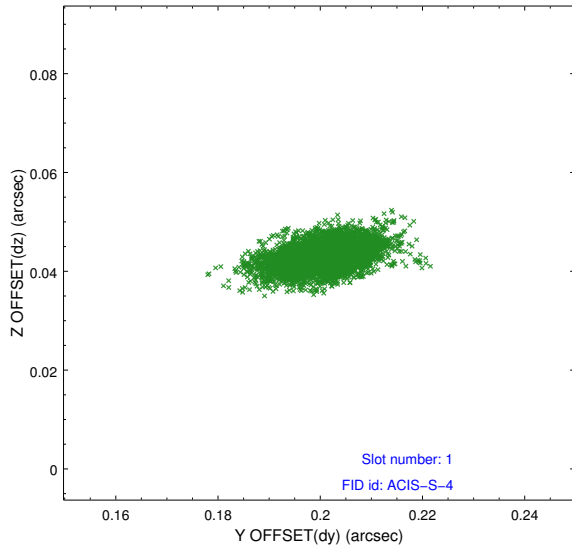


2.5 FID Slots

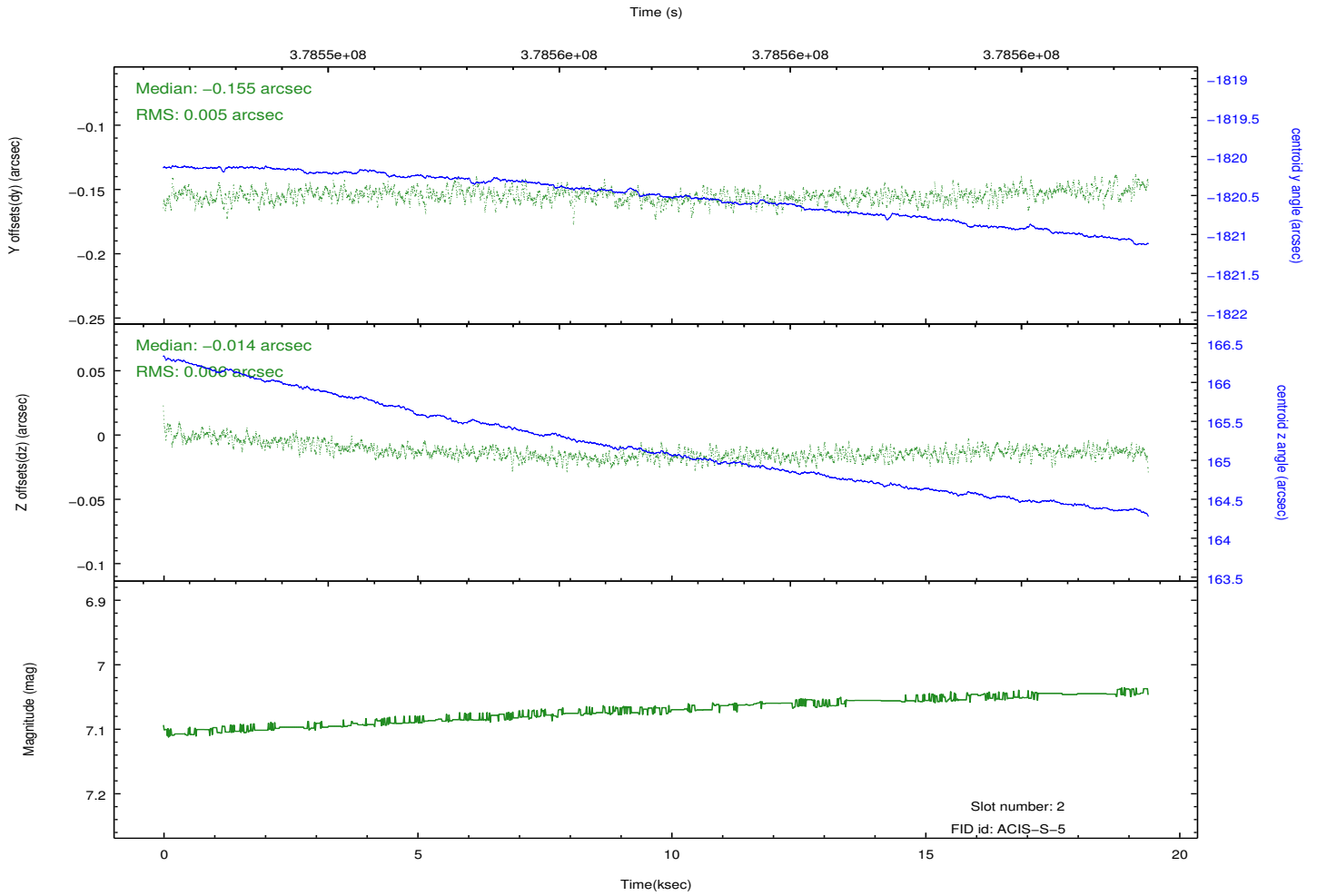
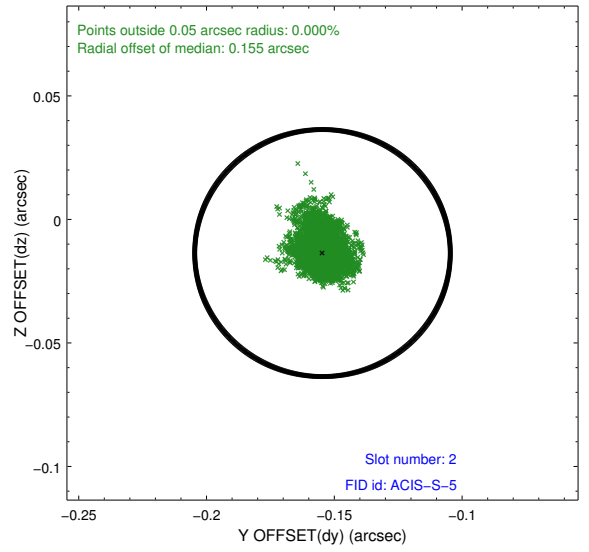
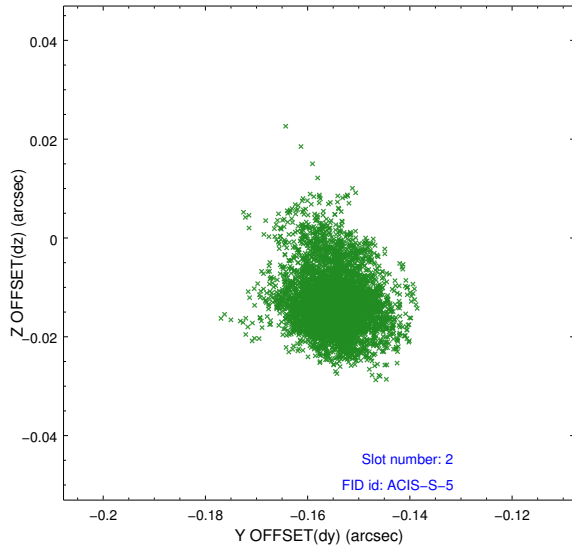
2.5.1 Slot 0



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)	2012.06.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.392800289035

A.2 Comments

Window preference met.