

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11956 - L2 Version 2
Chandra X-Ray Center

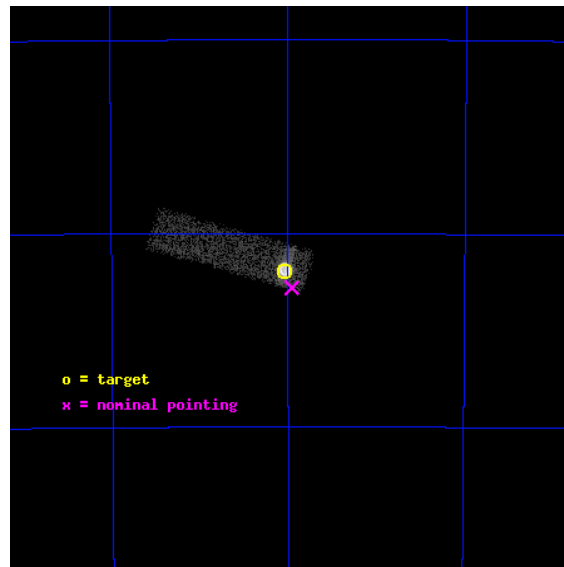
L2 Processing Date : Jun 18 2012

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1 Front

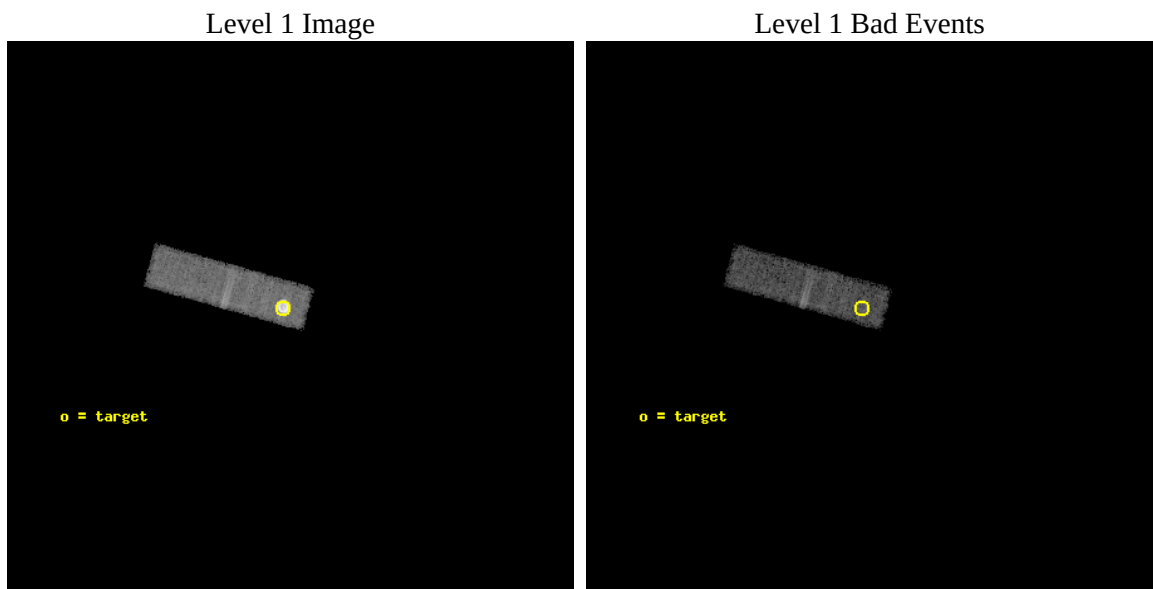
seq_num	590499	Sequence number
obs_id	11956	Observation id
title	AO-11 Calibration Observations of E0102-72	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	E0102-72 I3,-120,-0.5,0.5,0	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	16.01	Observer's specified target RA [deg]
dec_targ	-72.032028	Observer's specified target Dec [deg]
ra_nom	15.989493640603	Nominal RA [deg]
dec_nom	-72.046971578593	Nominal Dec [deg]
roll_nom	285.66652887195	Nominal Roll [deg]
revision	2	Processing version of data
ontime	20172.677230537	Sum of GTIs [s]
livetime	19188.316589496	Livetime [s]
ontime3	20172.677230537	Sum of GTIs [s]
l2events	63838	Number of level 2 events



2 OBI

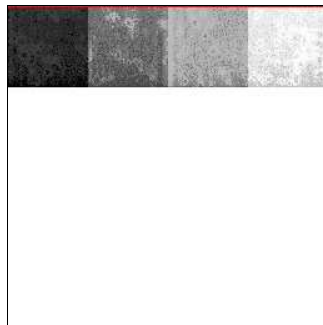
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 3



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	20172.677230537	Sum of GTIs [s]
caldsver	4.4.10	 	ontime3	20172.677230537	Sum of GTIs [s]
date	2012-06-18T19:43:48	Date and time of file creation	l1events	115780	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

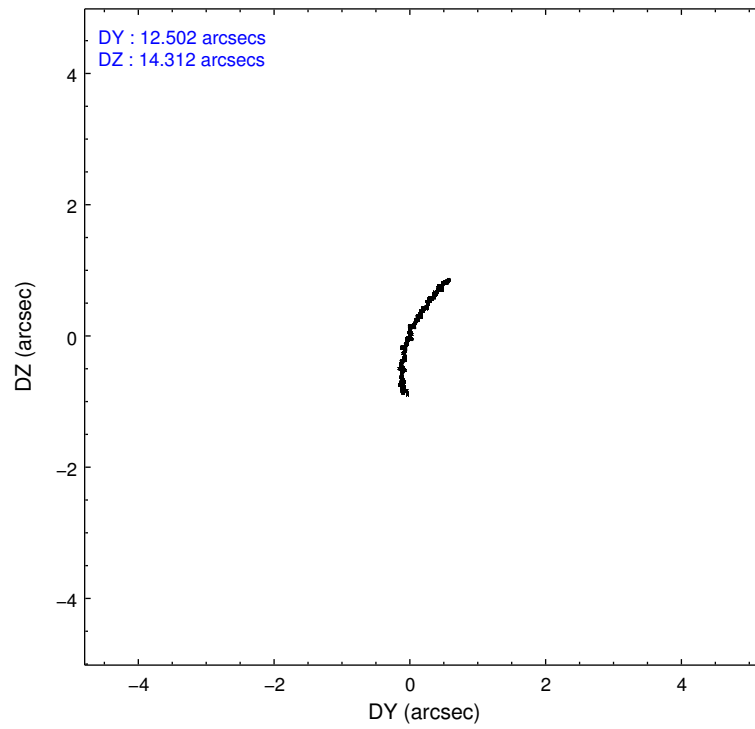
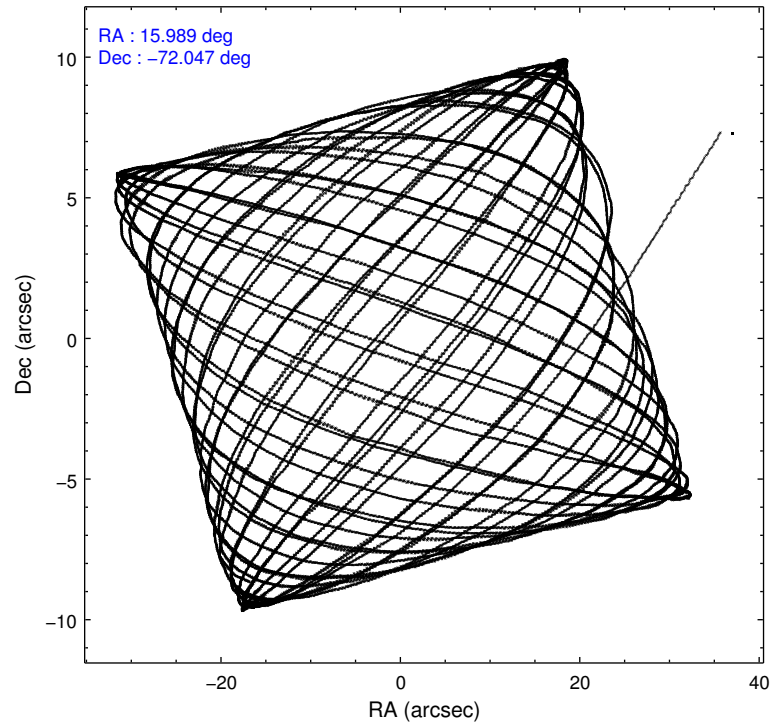
	ccd 3
level 1 events	115780
rejected events	50999
rejected %	44%

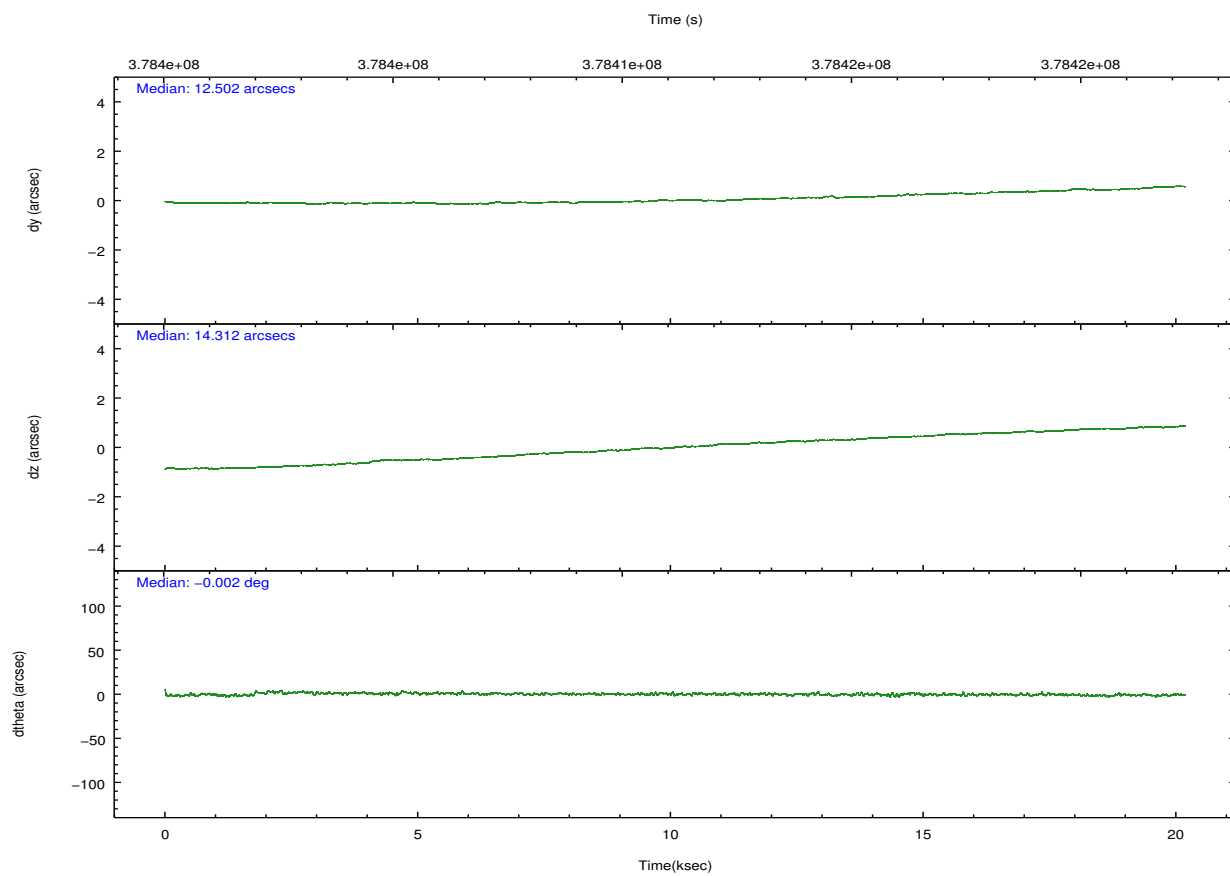
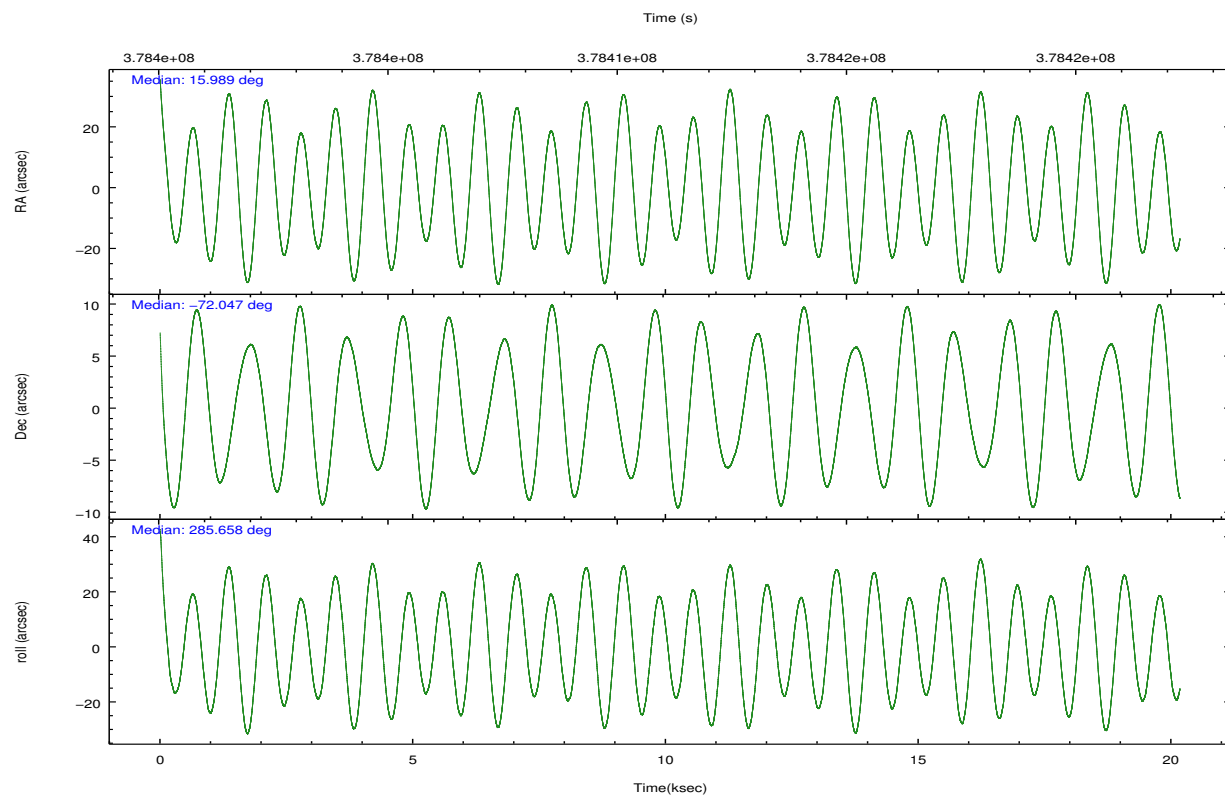
	ccd 3
grade 0 events	56030
	48%
grade 1 events	214
	0%
grade 2 events	4596
	3%
grade 3 events	1801
	1%
grade 4 events	1779
	1%
grade 5 events	1805
	1%
grade 6 events	1170
	1%
grade 7 events	48385
	41%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-3	ACIS-3	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	15.925515	15.98949364060276	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	-72.027803	-72.04697157859263	Subarray start row	768	768
[deg] Pointing Roll	285.396975	285.6665288719452	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	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	378401236.184000	378400158.63448			
Observation start date	2009-12-28T15:26:10	2009-12-28T15:09:18			
[s] Observation end time (MET)	378421236.184000	378421892.73558			
Observation end date	2009-12-28T20:59:30	2009-12-28T21:11:32			
Read mode	TIMED	TIMED			

2.3 Aspect



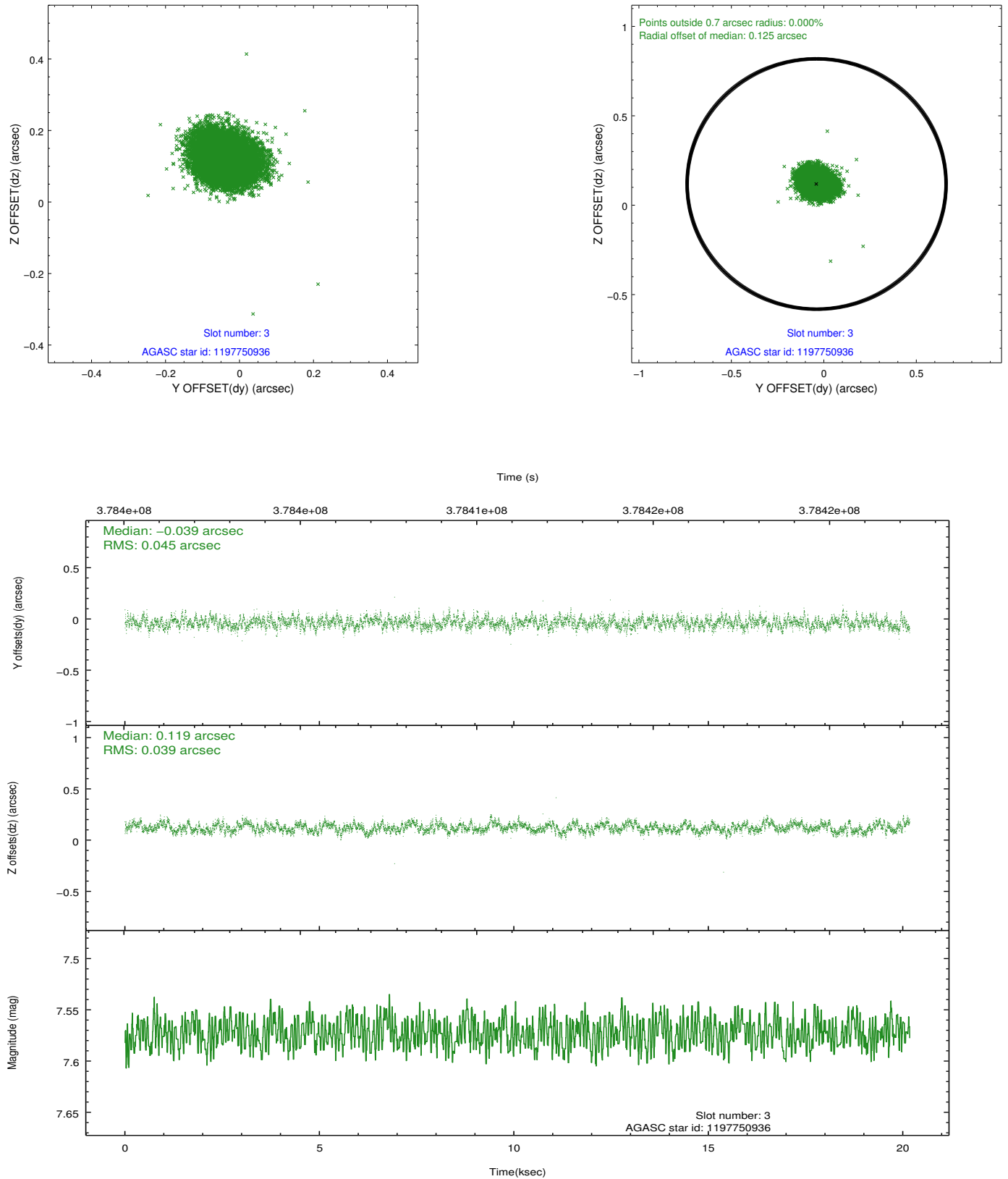


Slot Statistics

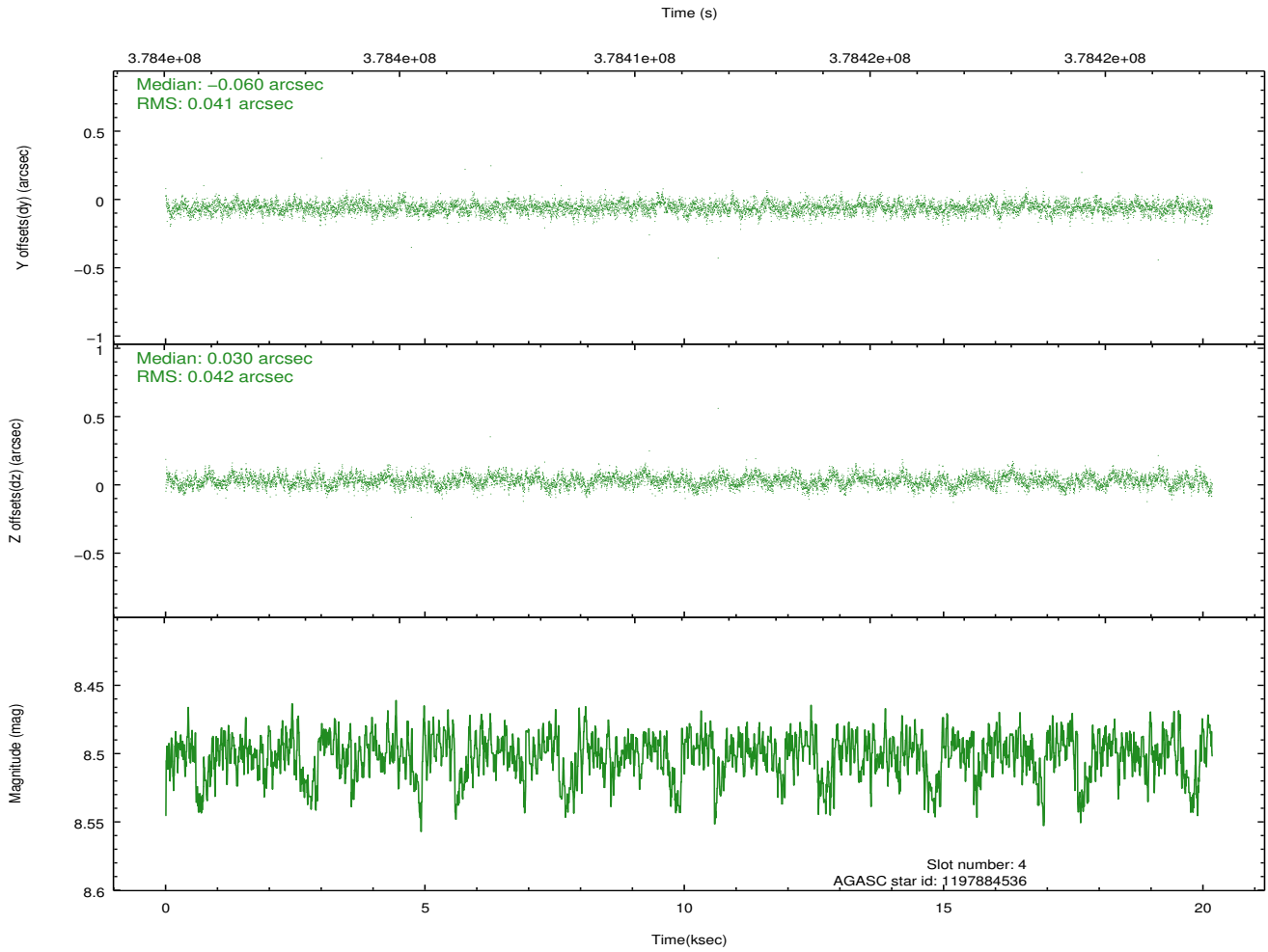
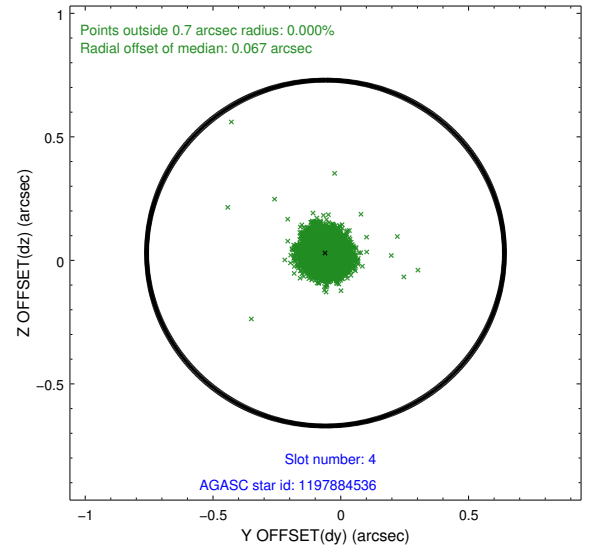
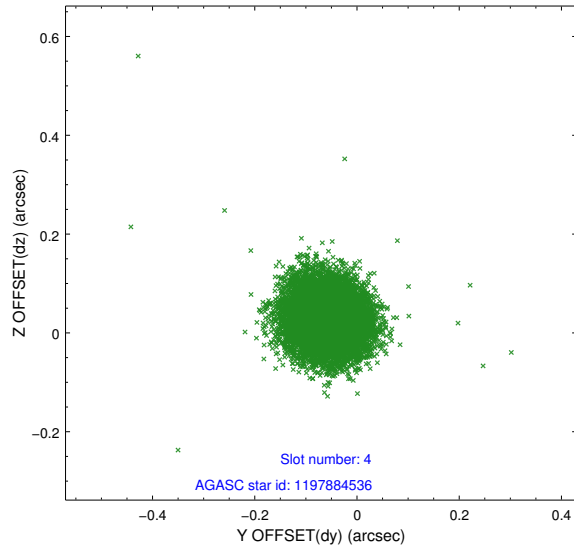
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	6.99	4919	-0.068	0.080	0.017	0.033	0.000000	0.000000	926.87	-837.80
1	FID	ACIS-I-2	6.90	4921	-0.122	-0.084	0.010	0.016	0.000000	0.000000	-767.17	-844.49
2	FID	ACIS-I-4	6.91	4920	0.091	0.072	0.014	0.026	0.000000	0.000000	2146.84	1061.90
3	GUIDE	1197750936	7.57	9838	-0.039	0.119	0.063	0.101	15.387940	-71.549550	-1819.34	-134.18
4	GUIDE	1197884536	8.50	9837	-0.060	0.030	0.062	0.099	17.160729	-71.835289	-286.75	1516.69
5	GUIDE	1197885104	9.34	9828	0.052	-0.035	0.097	0.154	17.845067	-72.189368	1154.80	1873.91
6	GUIDE	1197885328	7.25	9840	0.007	-0.160	0.067	0.107	16.283090	-71.733943	-911.65	670.63
7	GUIDE	1198189696	7.39	9838	0.036	0.044	0.062	0.098	15.223750	-72.697522	2129.67	-1365.16

2.4 Star Slots

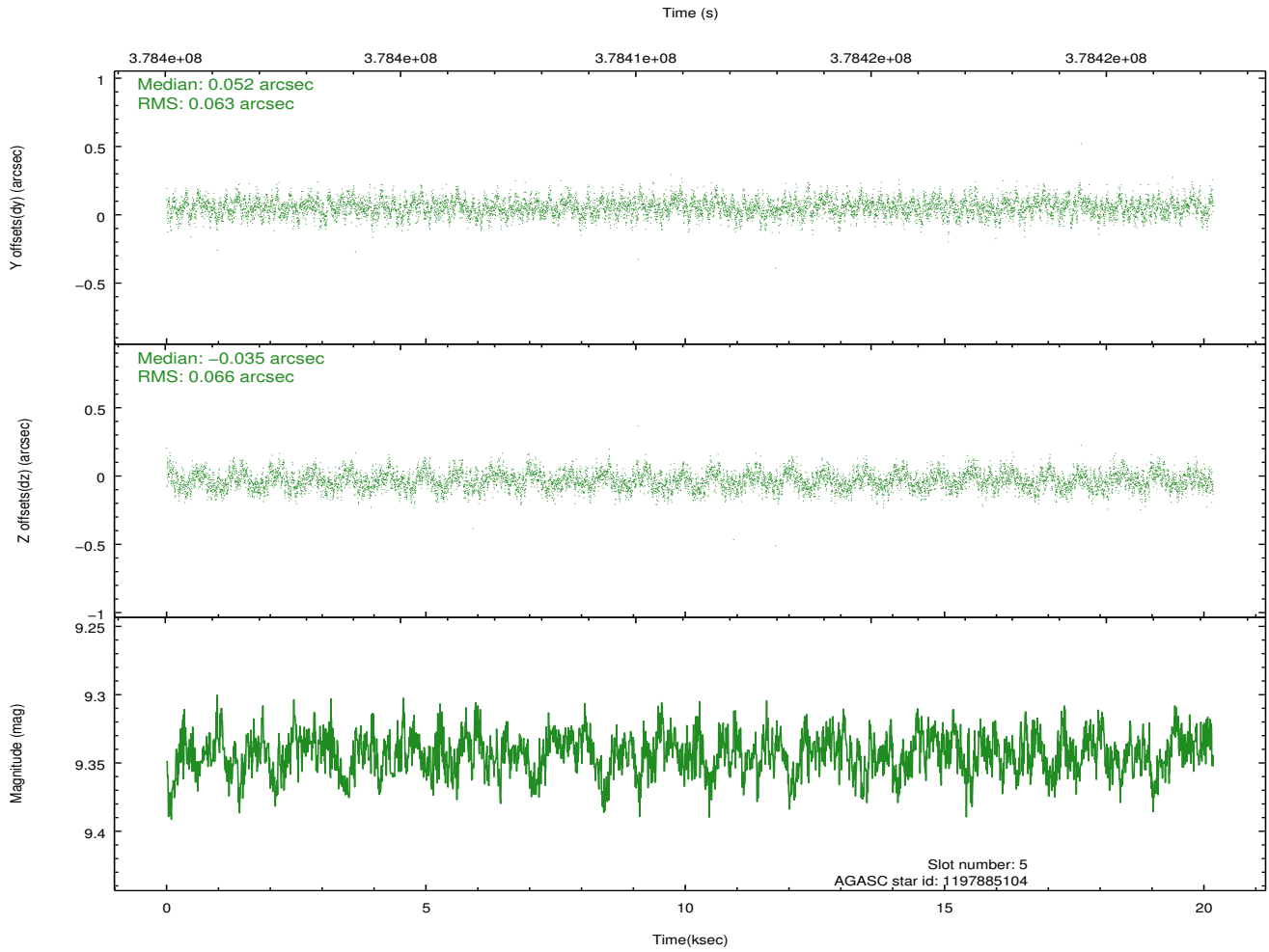
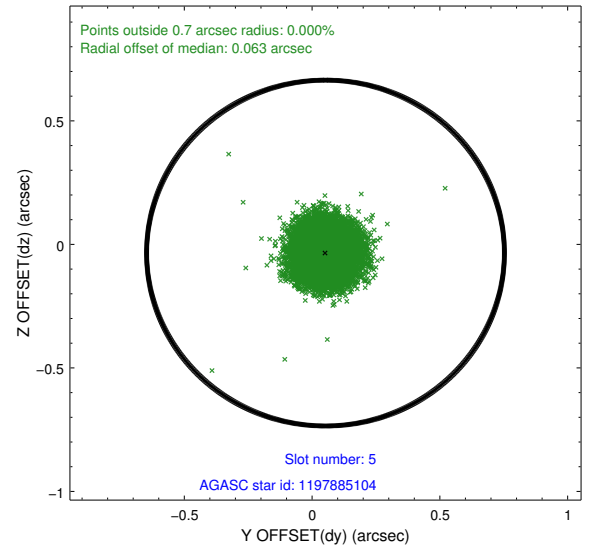
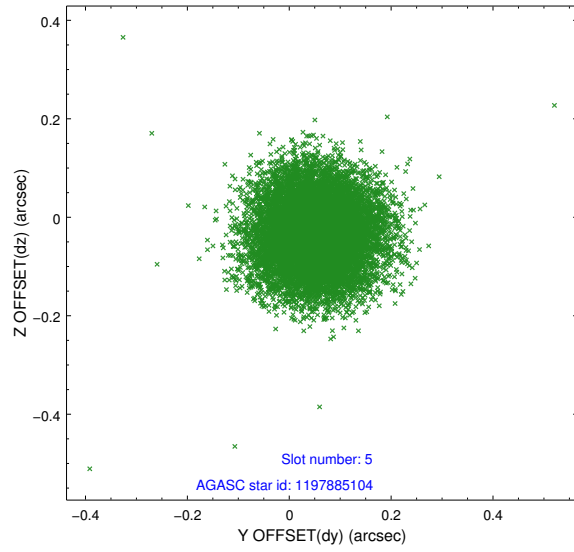
2.4.1 Slot 3



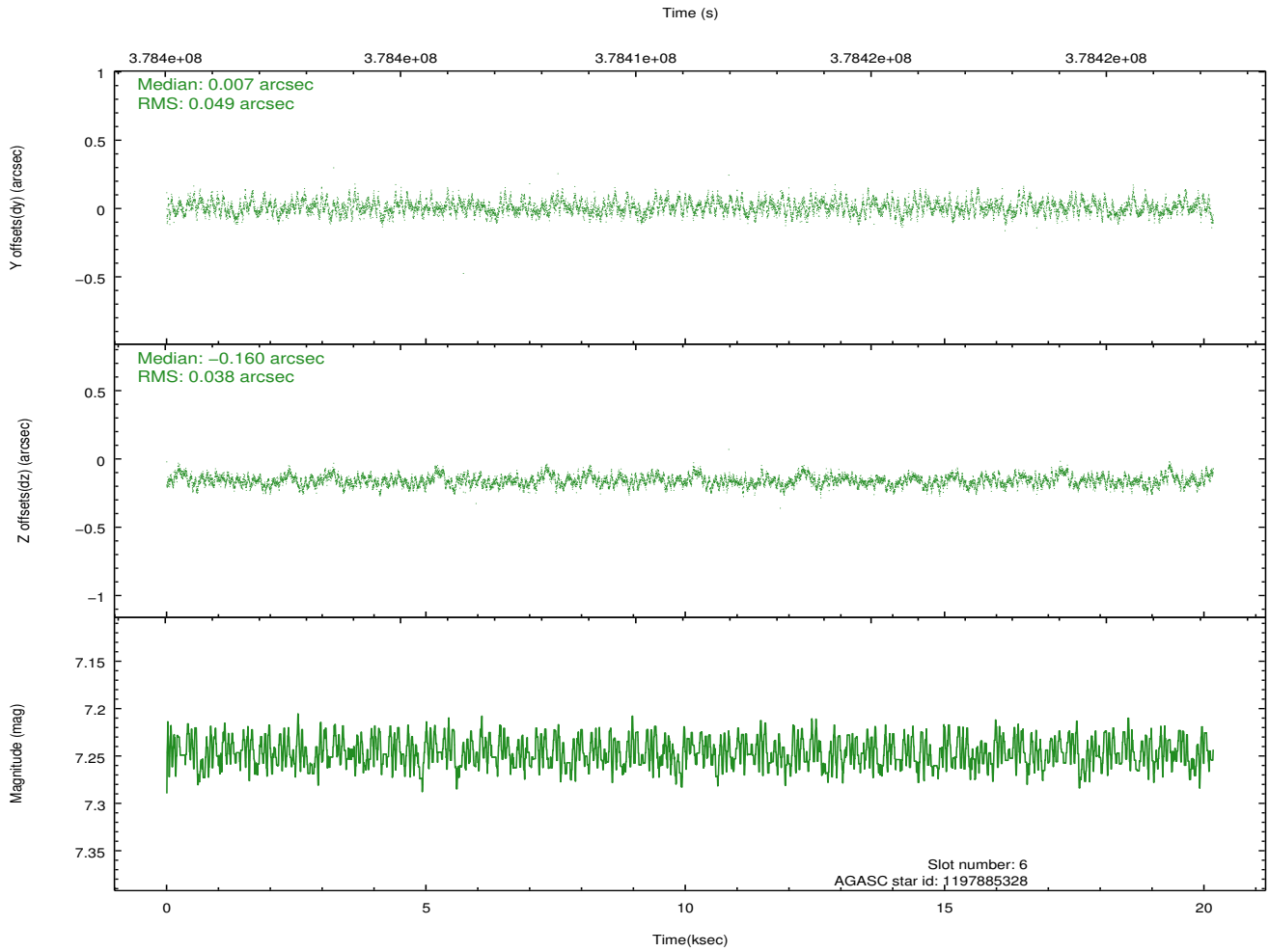
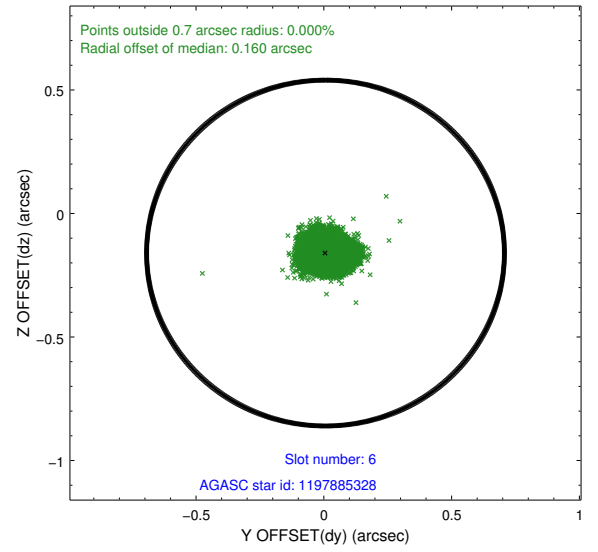
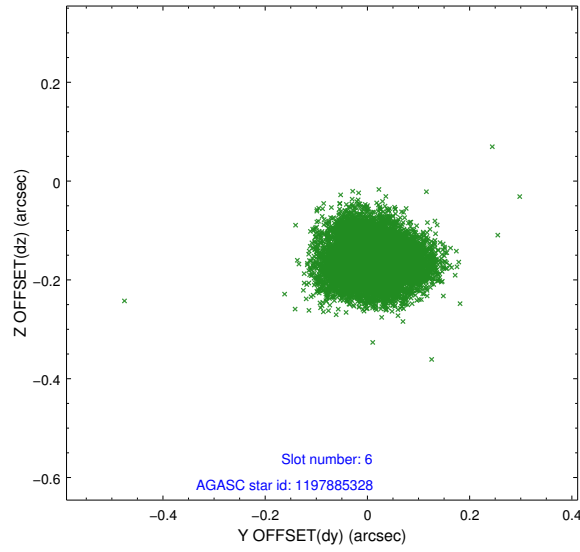
2.4.2 Slot 4



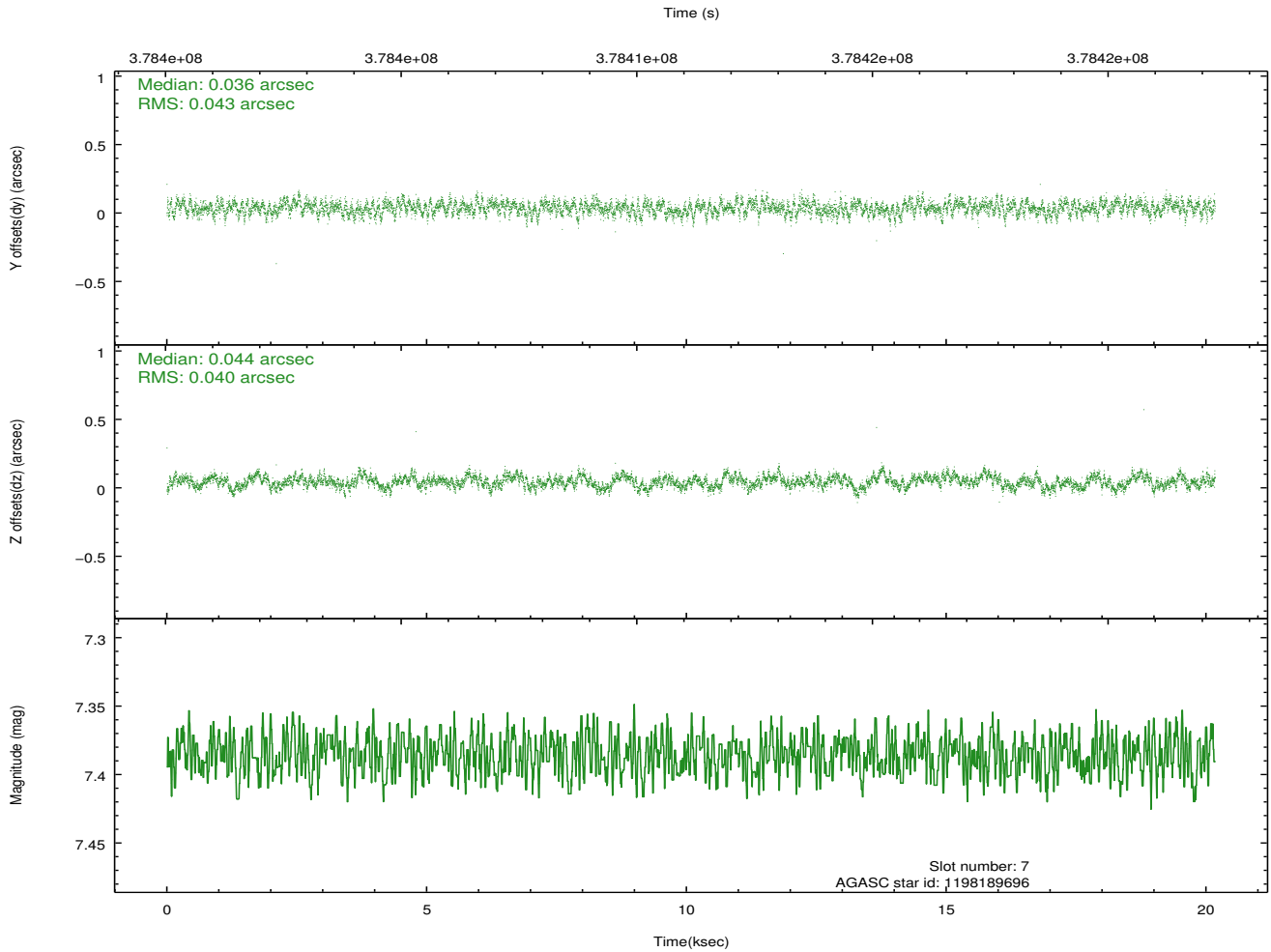
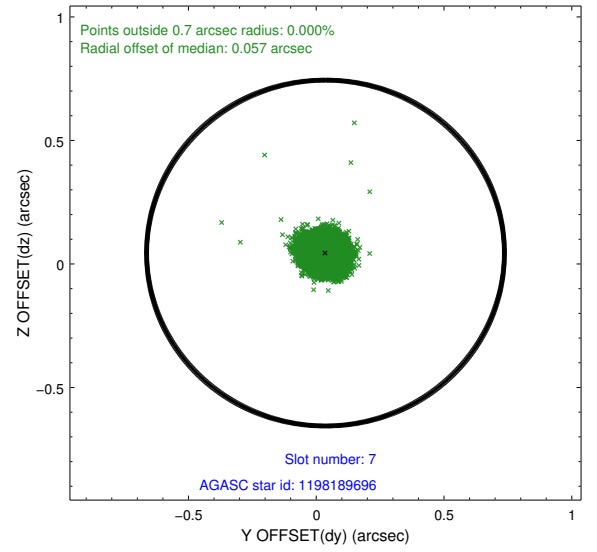
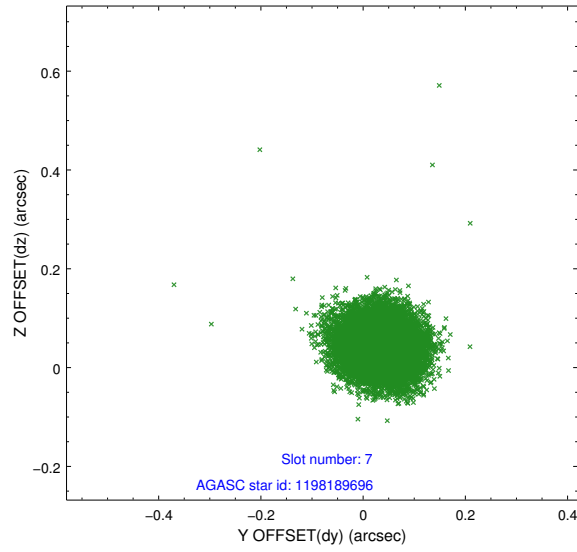
2.4.3 Slot 5



2.4.4 Slot 6

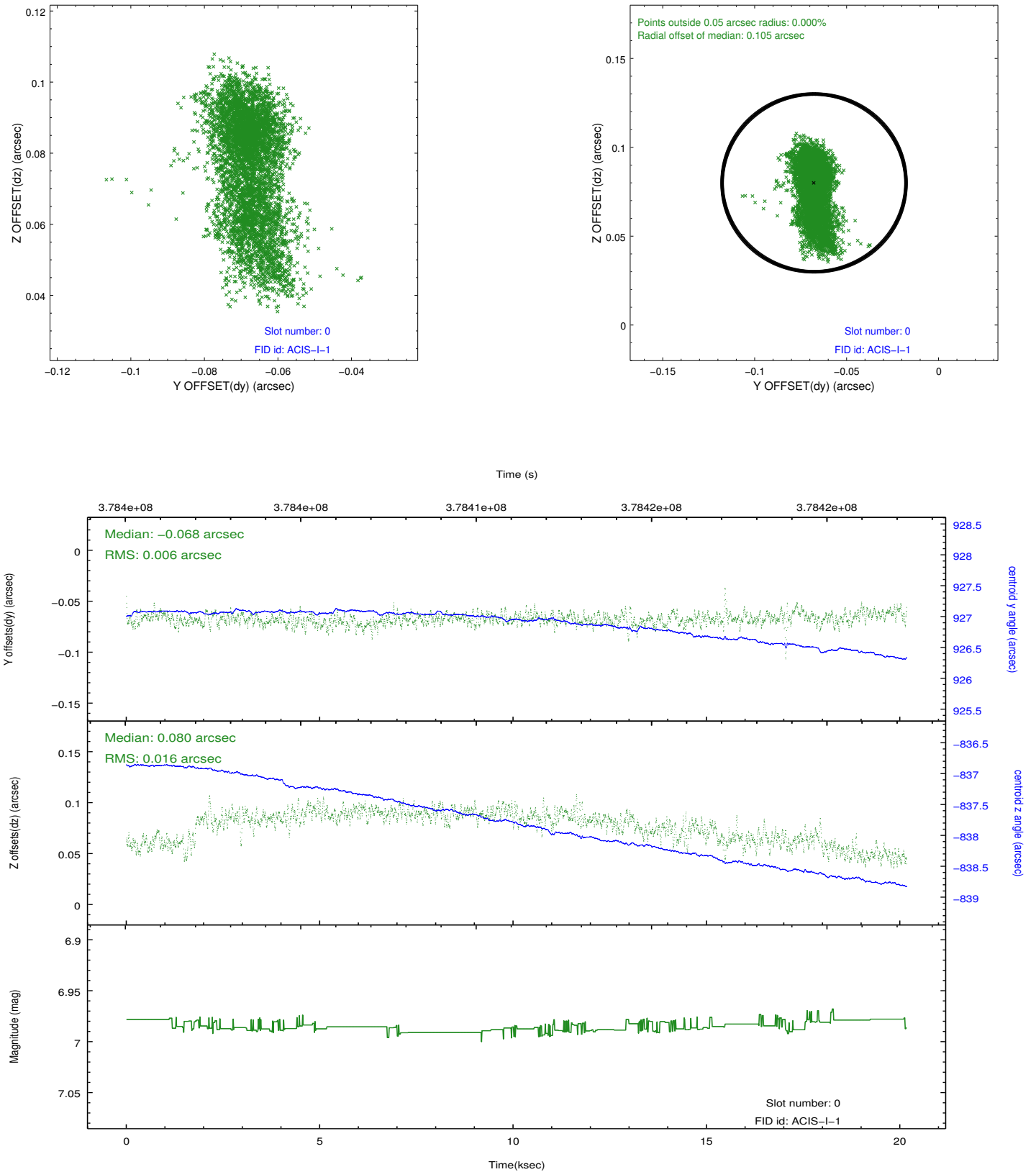


2.4.5 Slot 7

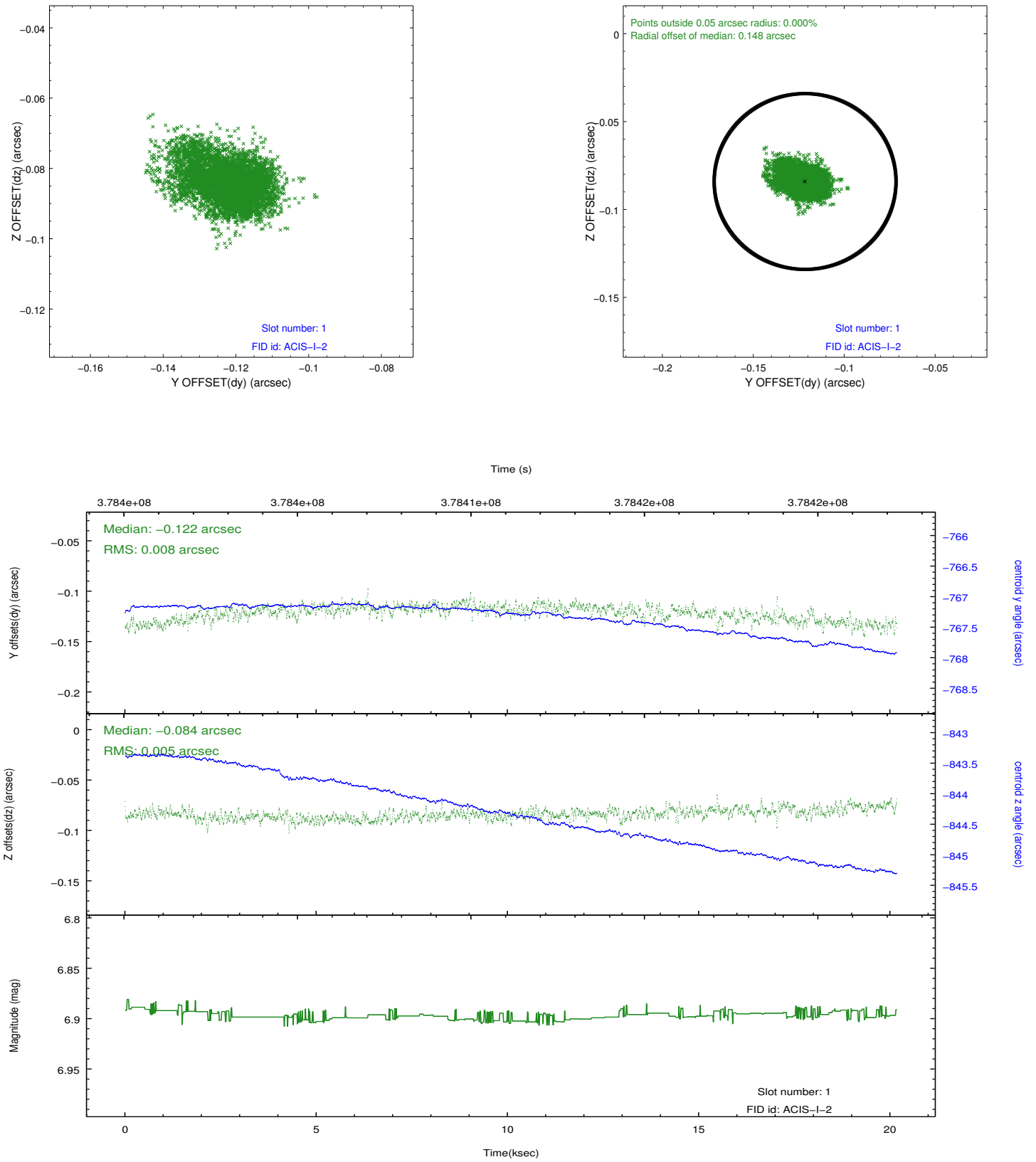


2.5 FID Slots

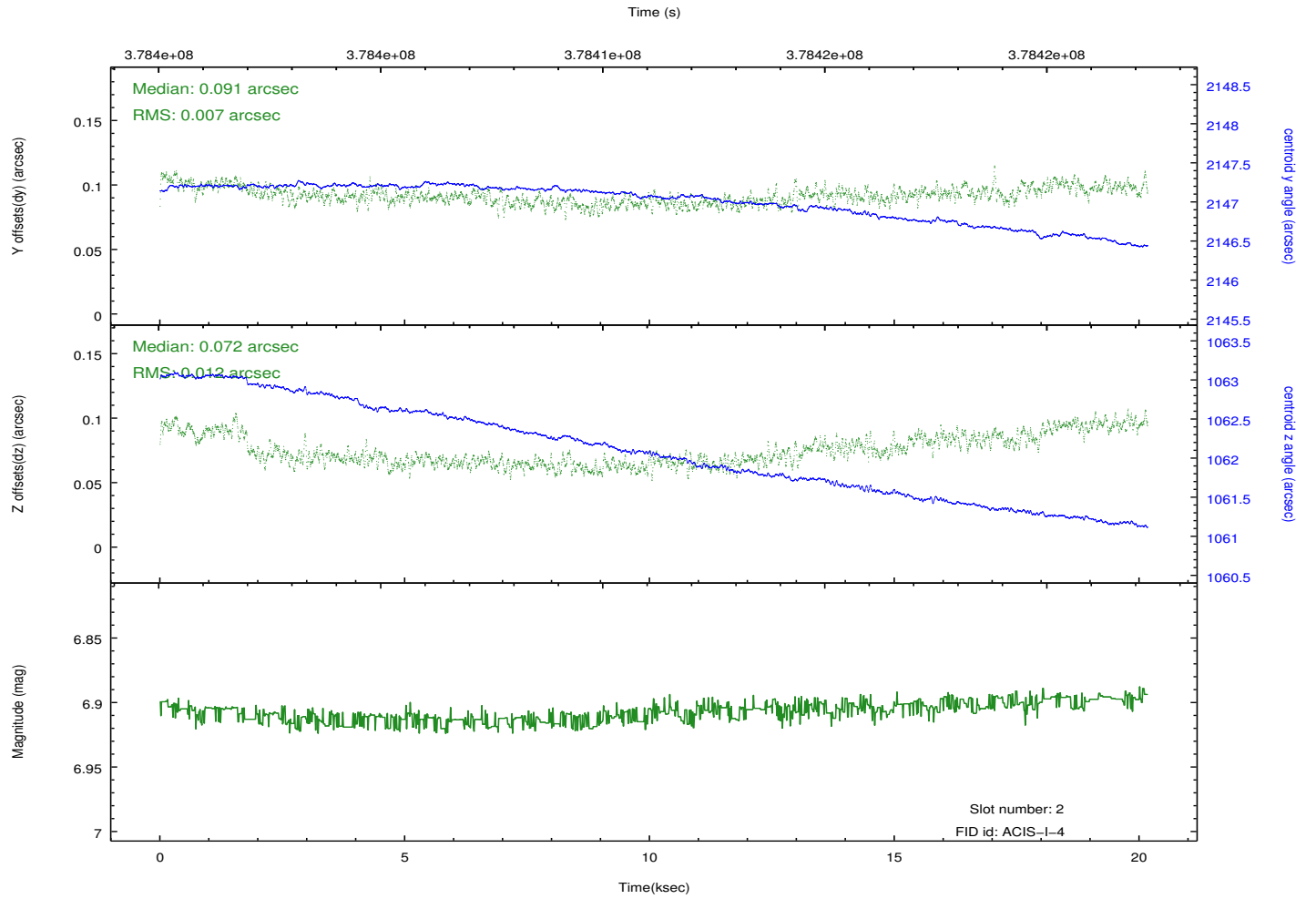
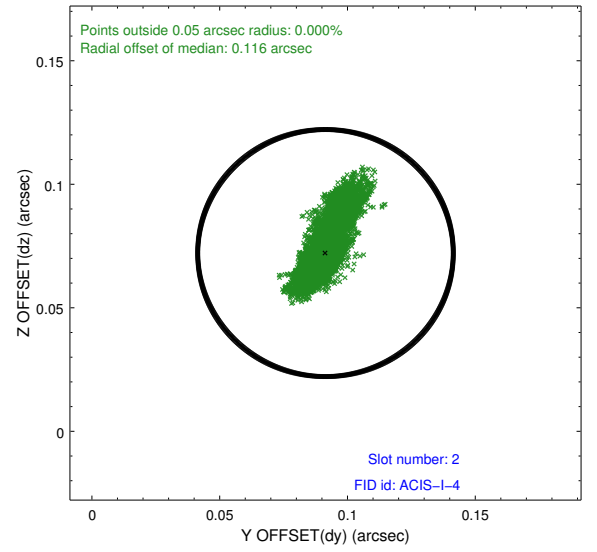
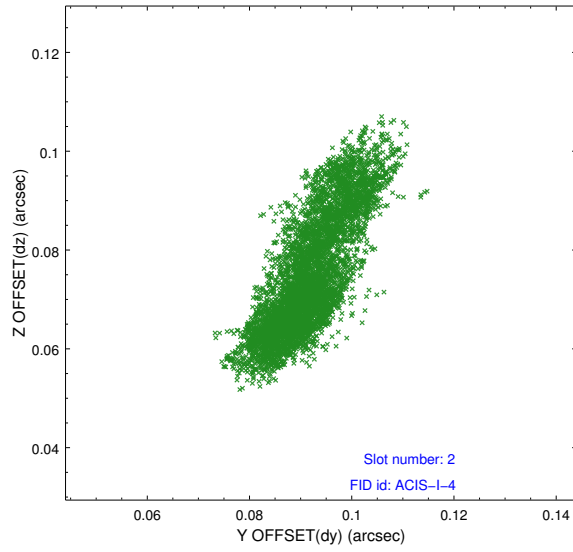
2.5.1 Slot 0



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)	2012.06.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.172677230477

A.2 Comments

Window preference met.