

V&V Reference Report

L2 ASCDS Version : 10.7.1

Observation 22041 - L2 Version 1
Chandra X-Ray Center

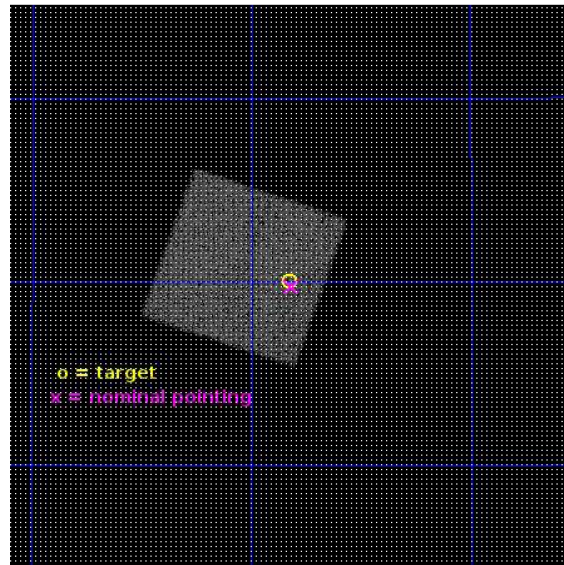
L2 Processing Date : Jan 6 2019

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1 Front

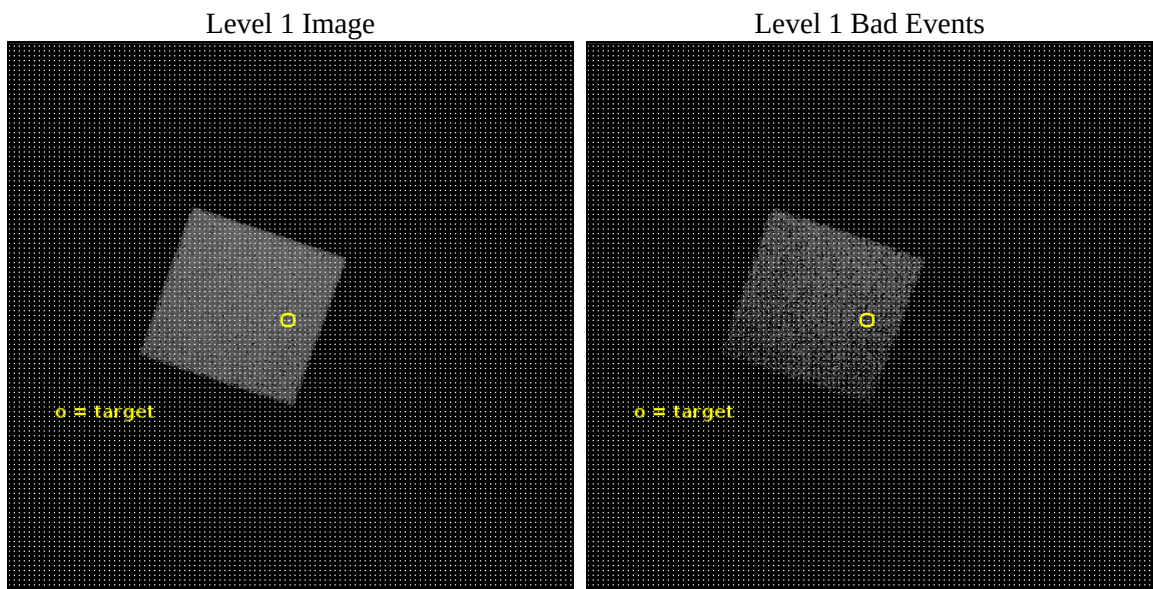
seq_num	703847	Sequence number
obs_id	22041	Observation id
title	C-BASS: A Chandra Legacy Survey of AGN at the Highest Spatial Resolutions	Proposal title
observer	Michael Koss	Principal investigator
object	UGC3601	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	103.95636	Observer's specified target RA [deg]
dec_targ	40.000324	Observer's specified target Dec [deg]
ra_nom	103.95444673976	Nominal RA [deg]
dec_nom	39.995561480636	Nominal Dec [deg]
roll_nom	199.15782806616	Nominal Roll [deg]
revision	1	Processing version of data
ontime	9962.2085872889	Sum of GTIs [s]
livetime	9827.7647652996	Livetime [s]
ontime7	9962.2085872889	Sum of GTIs [s]
l2events	42058	Number of level 2 events



2 OBI

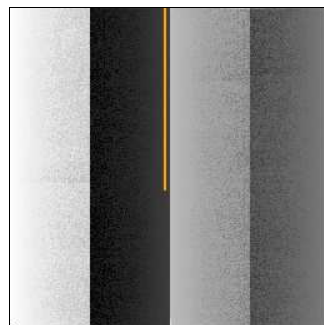
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	10.7.1	Processing system revision	ontime	9962.2085872889	Sum of GTIs [s]
caldsver	4.8.2	 	ontime7	9962.2085872889	Sum of GTIs [s]
date	2019-01-06T15:54:25	Date and time of file creation	l1events	95981	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

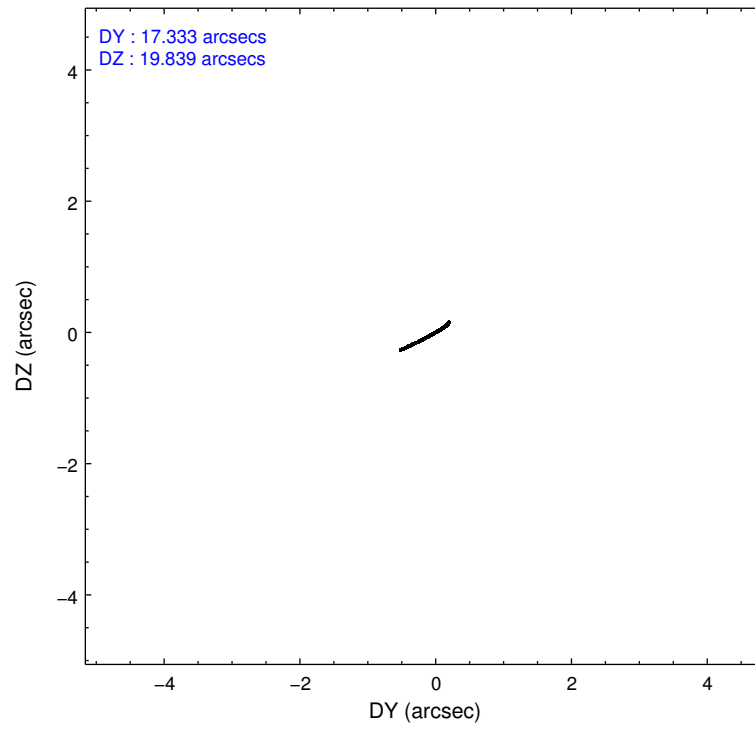
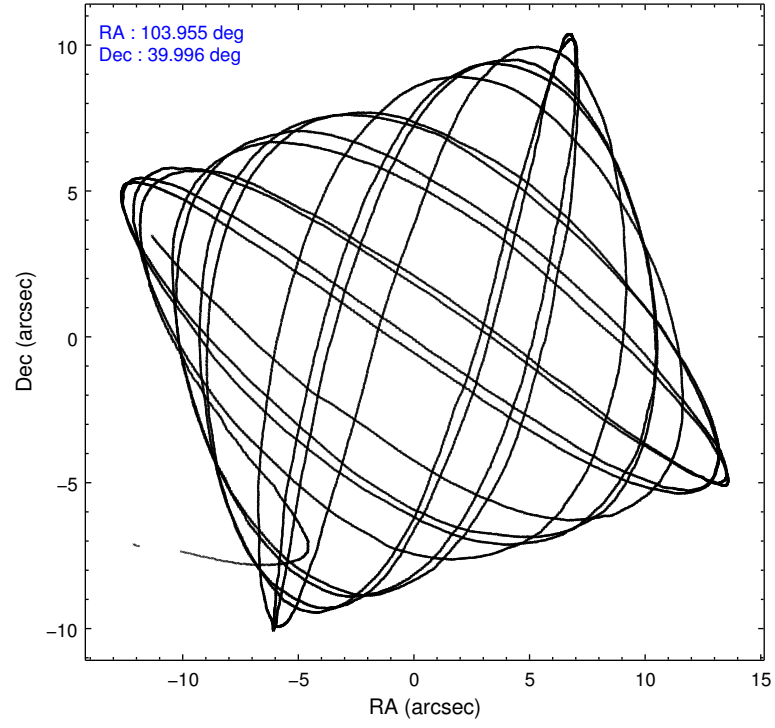
	ccd 7
level 1 events	95981
rejected events	52873
rejected %	55%

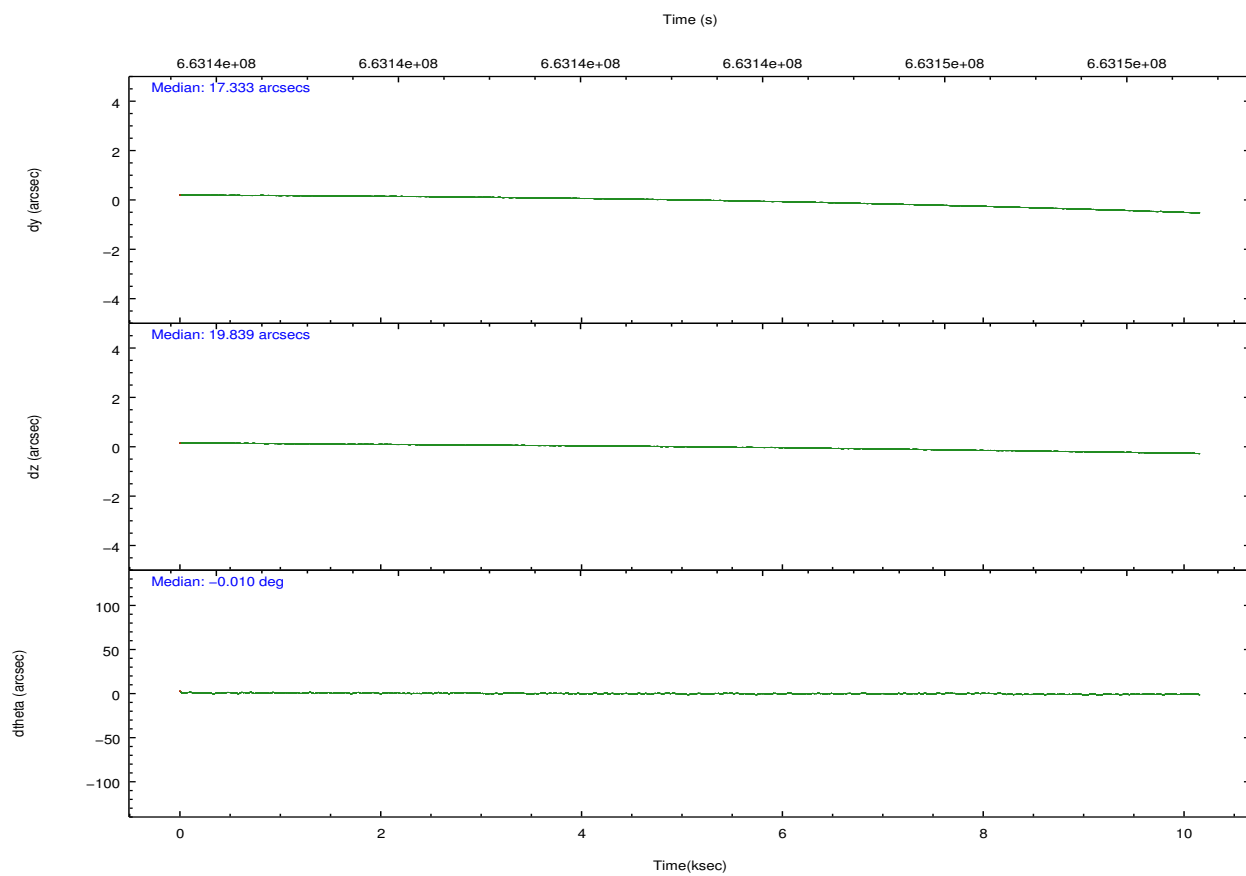
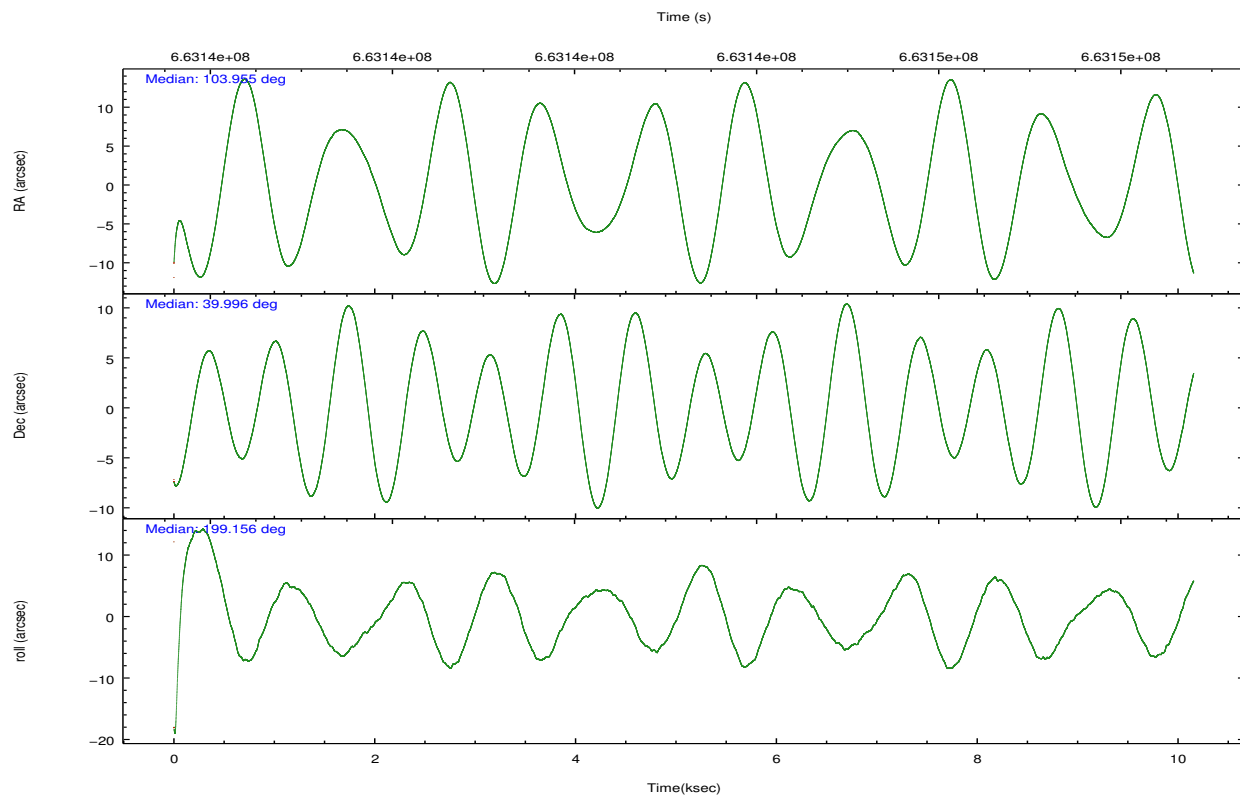
	ccd 7
grade 0 events	3832
	3%
grade 1 events	156
	0%
grade 2 events	9188
	9%
grade 3 events	3445
	3%
grade 4 events	3390
	3%
grade 5 events	9245
	9%
grade 6 events	23265
	24%
grade 7 events	43460
	45%

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	103.977551	103.9544467397586	Subarray requested	NONE	NONE
[deg] Pointing Dec	40.016590	39.99556148063642	Alternating exposures requested	N	N
[deg] Pointing Roll	198.986381	199.1578280661629	[s] Primary exposure time	0.000000	3
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	663138280.184000	663137086.31396			
Observation start date	2019-01-06T05:03:31	2019-01-06T04:44:46			
[s] Observation end time (MET)	663148280.184000	663148900.97716			
Observation end date	2019-01-06T07:50:11	2019-01-06T08:01:40			
Read mode	TIMED	TIMED			

2.3 Aspect



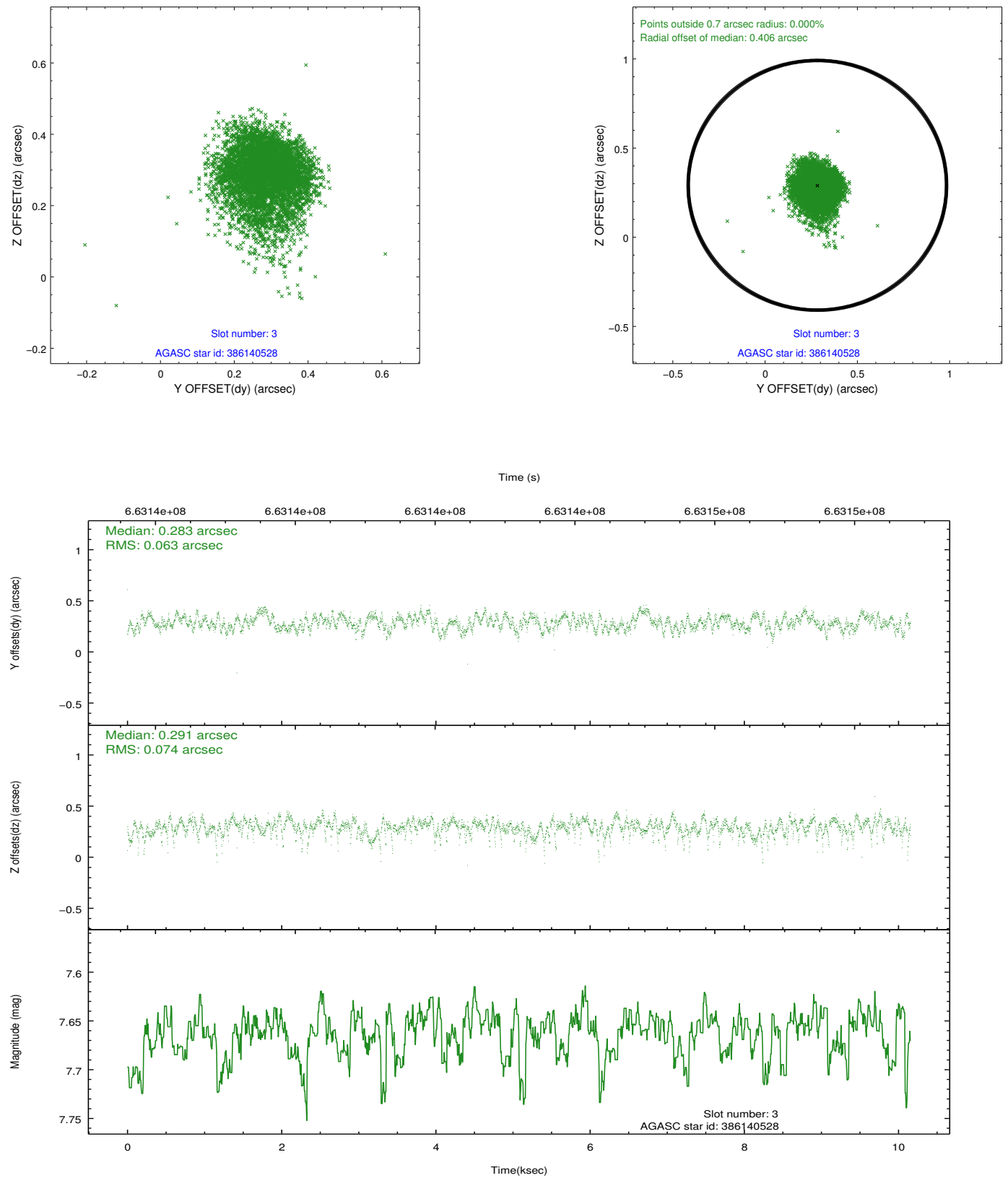


Slot Statistics

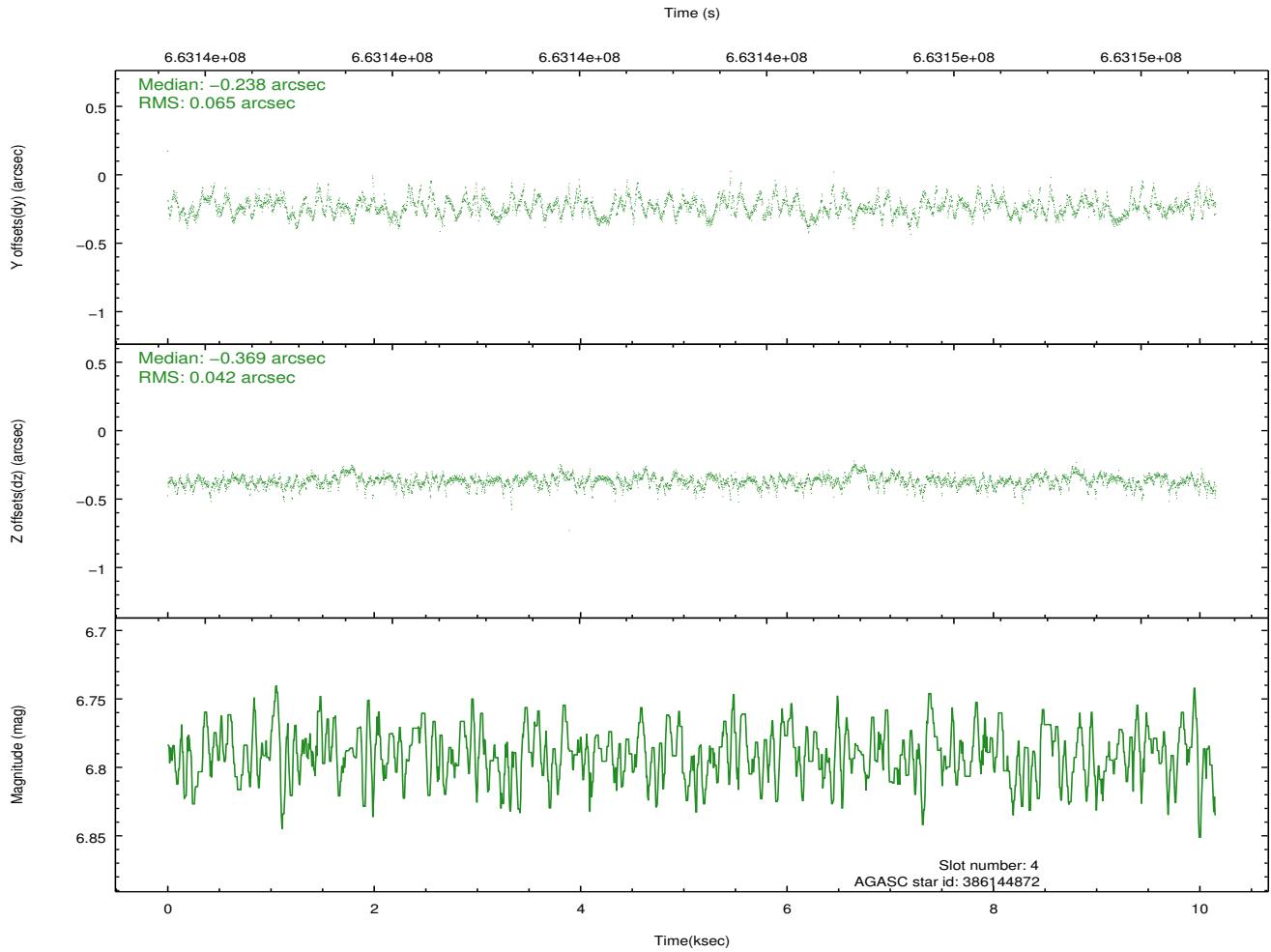
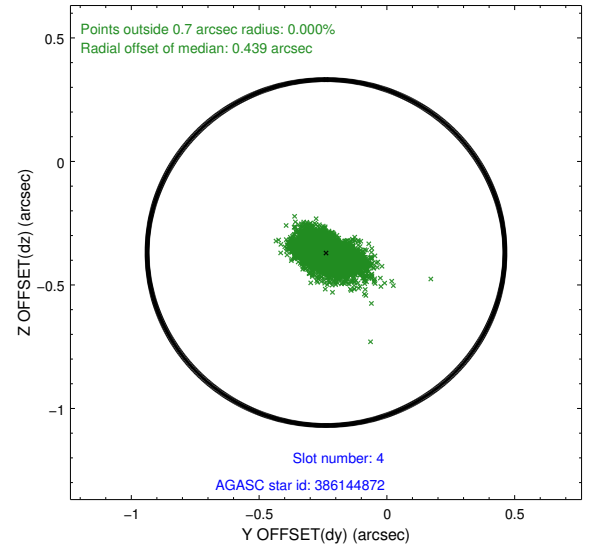
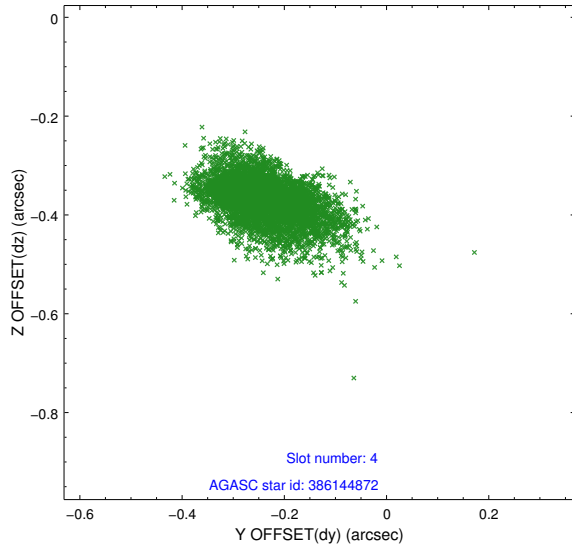
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-1	7.12	2476	1.000	0.040	-0.150	0.013	0.026	0.000000	0.000000	925.91	-1736
1	FID		ACIS-S-4	7.14	2478	1.000	0.651	0.090	0.008	0.012	0.000000	0.000000	2144.06	166
2	FID		ACIS-S-5	7.11	2477	1.000	-0.718	0.073	0.009	0.023	0.000000	0.000000	-1823.21	160
3	GUIDE	used	386140528	7.66	4952	1.000	0.283	0.291	0.101	0.165	104.061433	40.536890	-825.28	-1695
4	GUIDE	used	386144872	6.79	4955	1.000	-0.238	-0.369	0.080	0.139	103.151306	39.928944	2256.21	-453
5	GUIDE	used	386152640	8.45	4952	1.000	-0.134	-0.297	0.109	0.194	104.739505	39.779299	-1717.38	1485
6	GUIDE	used	386153312	8.15	4952	1.000	-0.186	-0.302	0.143	0.245	104.711077	39.535892	-1365.23	2291
7	GUIDE	used	386155504	7.45	4952	1.000	0.265	0.690	0.108	0.165	104.429984	40.829041	-2117.34	-2365

2.4 Star Slots

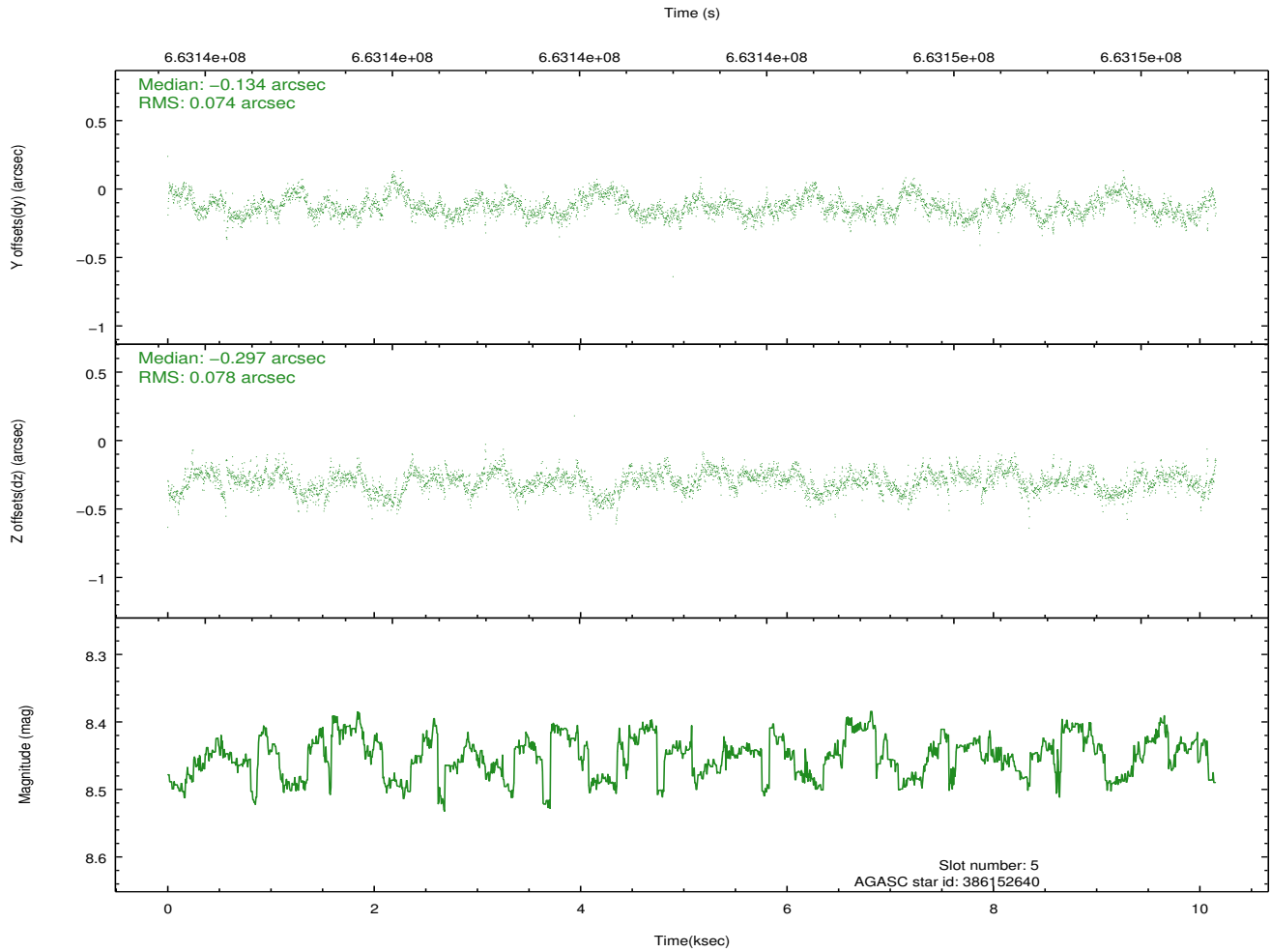
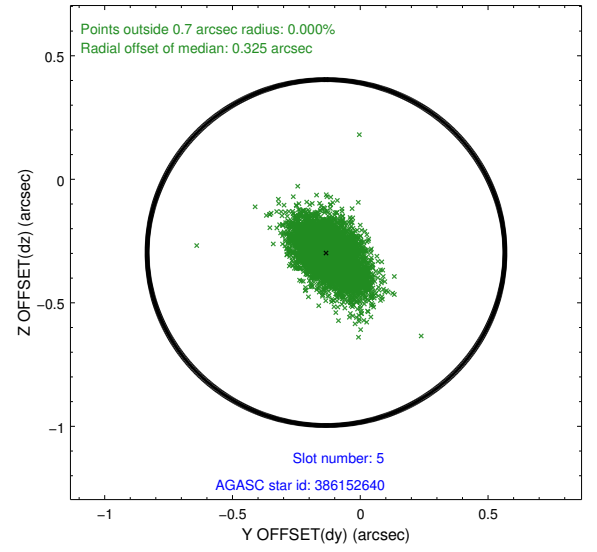
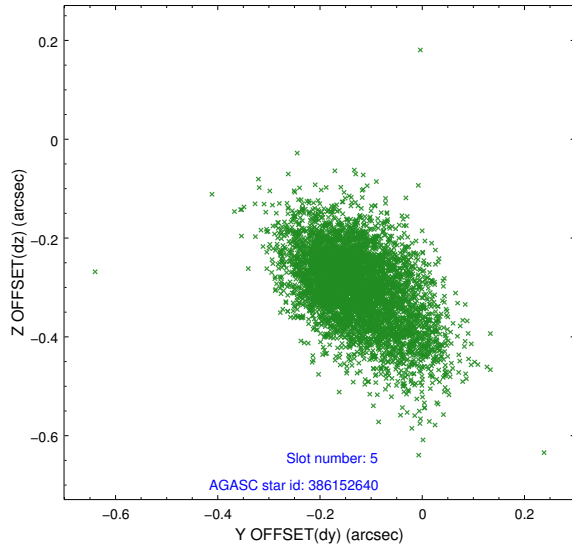
2.4.1 Slot 3



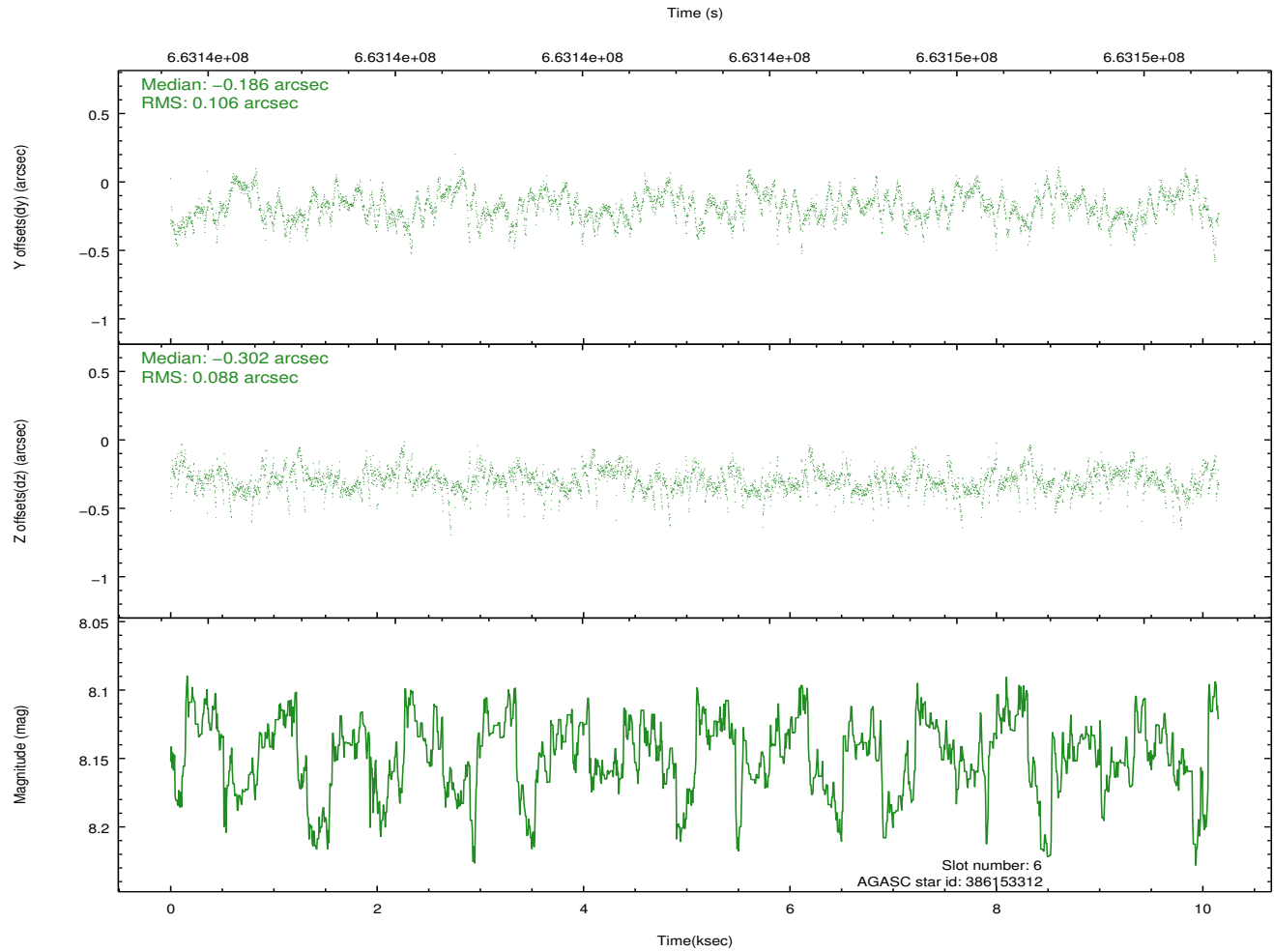
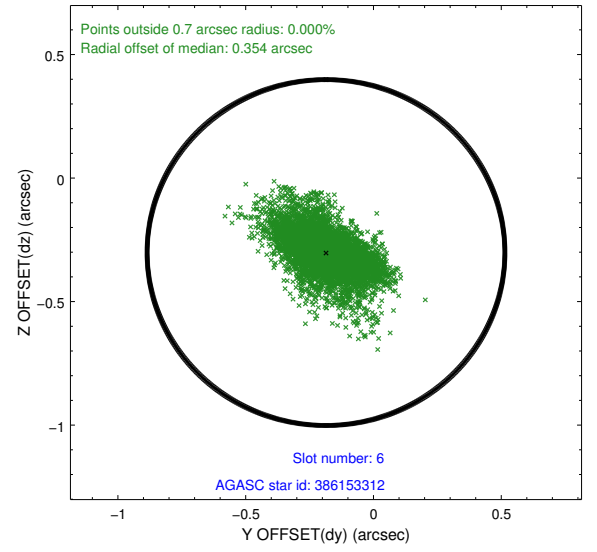
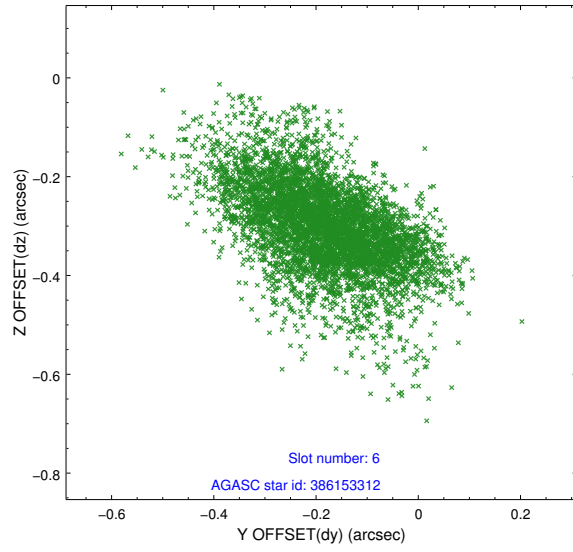
2.4.2 Slot 4



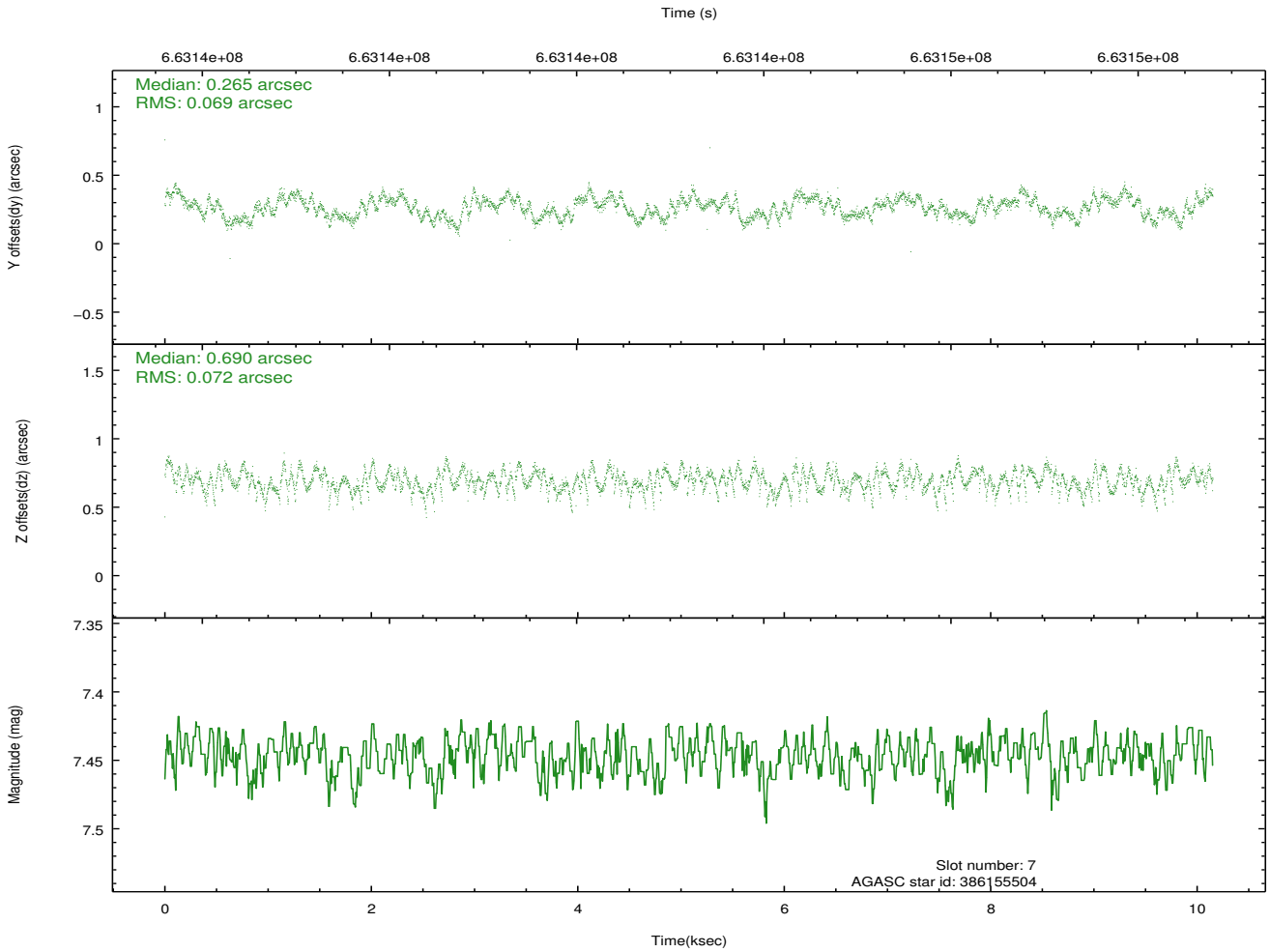
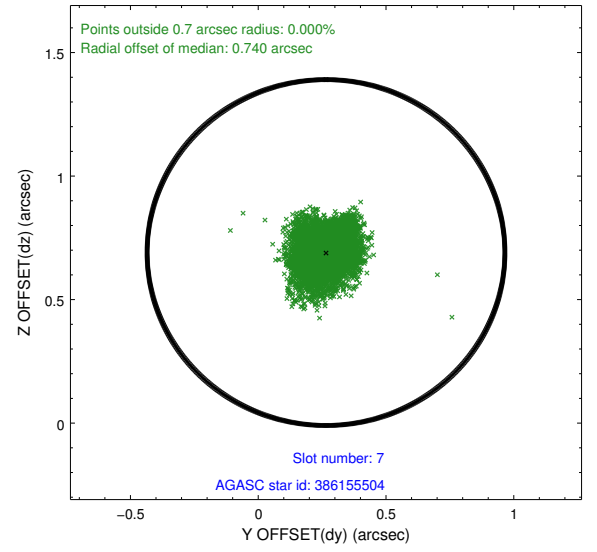
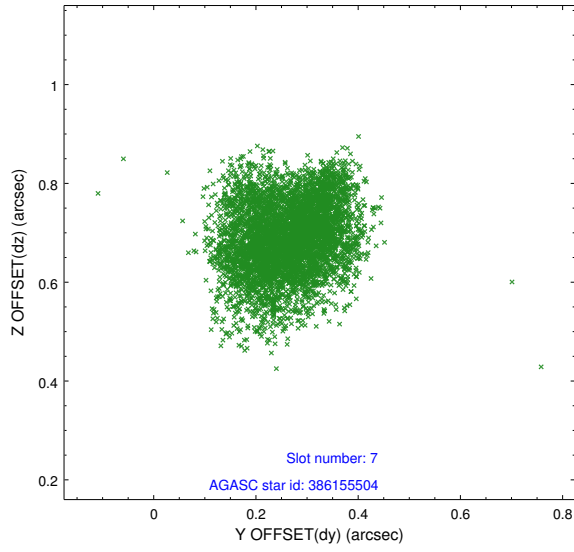
2.4.3 Slot 5



2.4.4 Slot 6

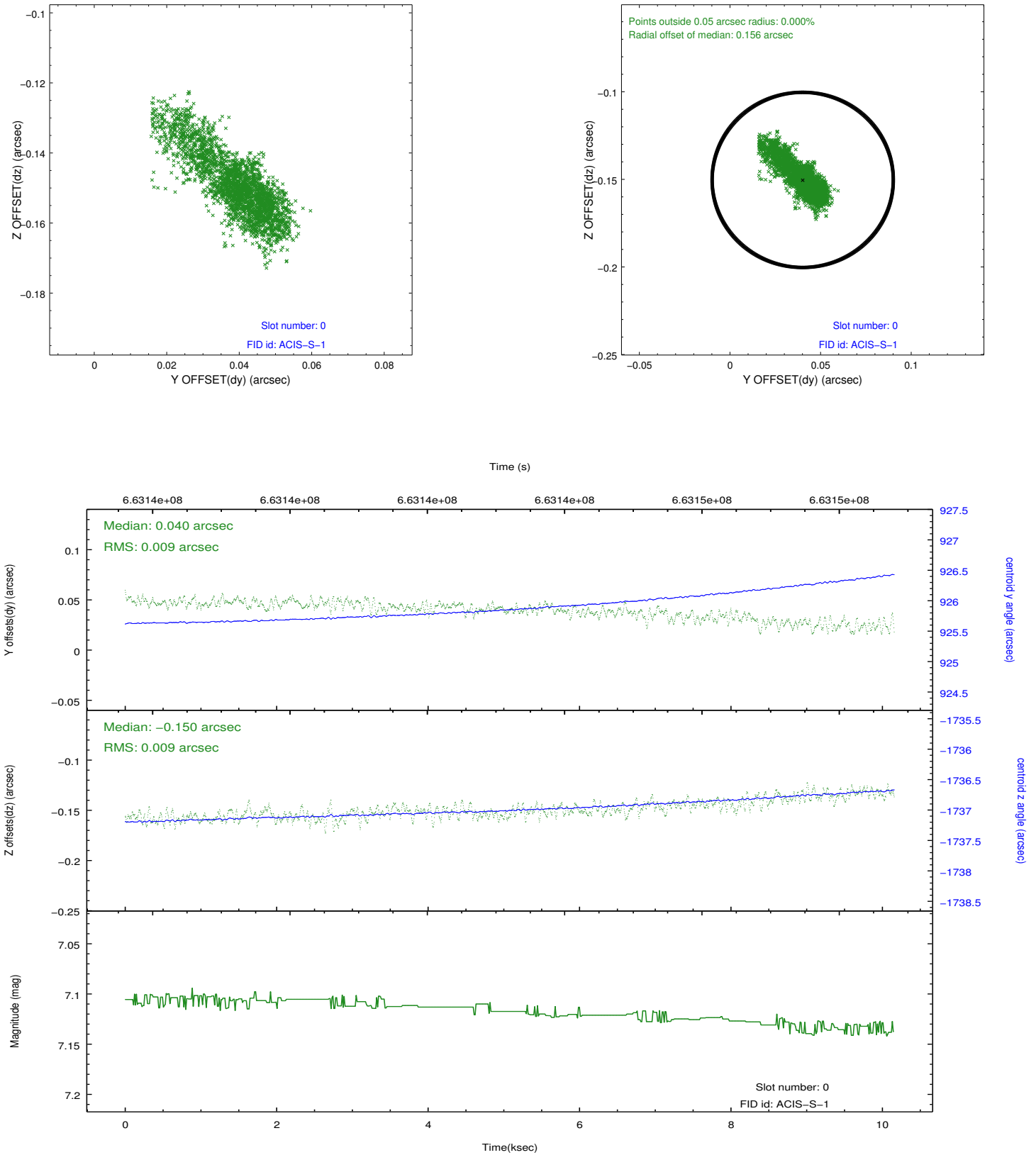


2.4.5 Slot 7

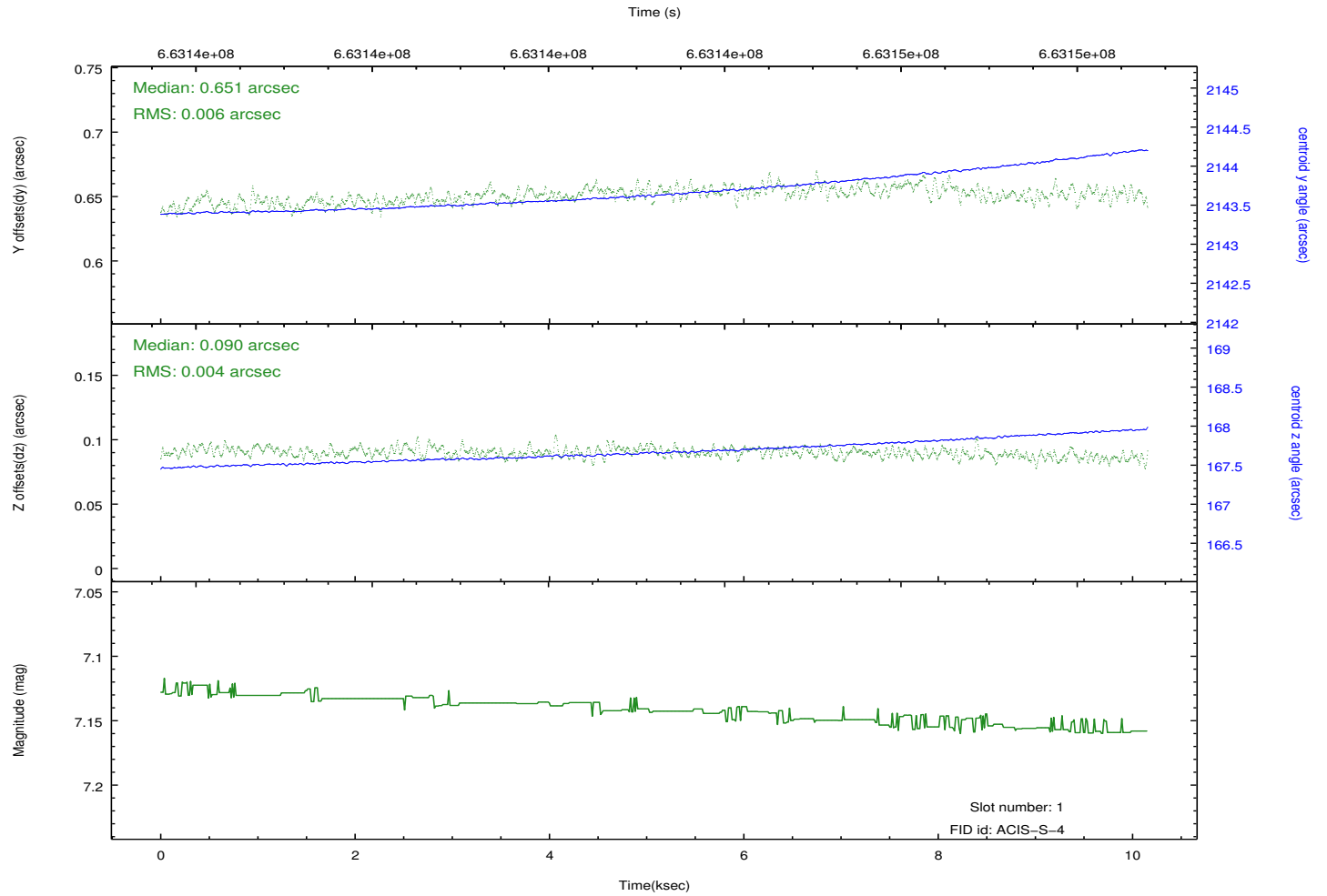
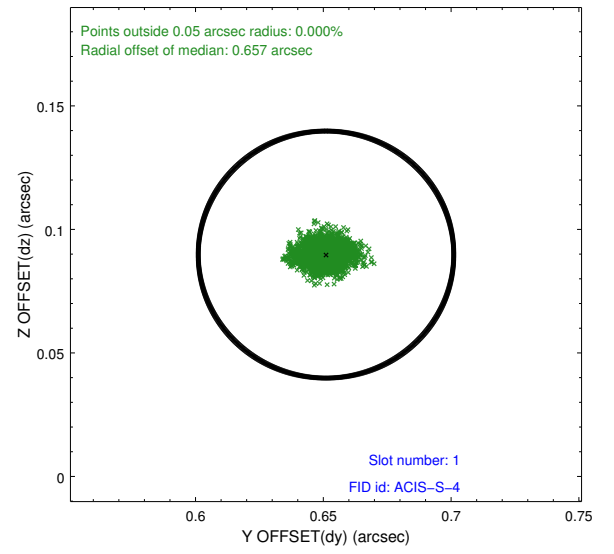
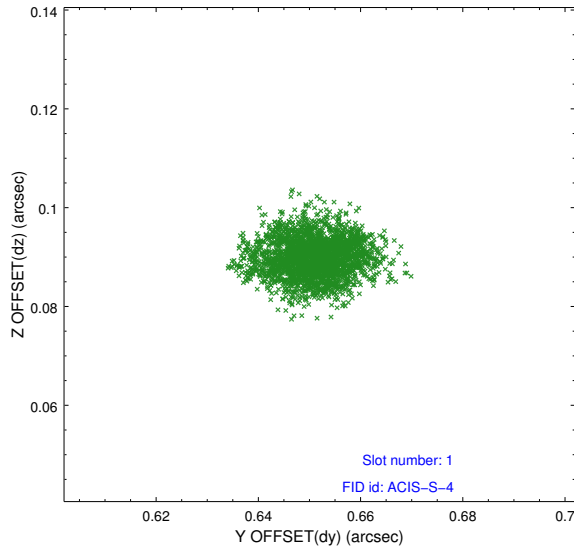


2.5 FID Slots

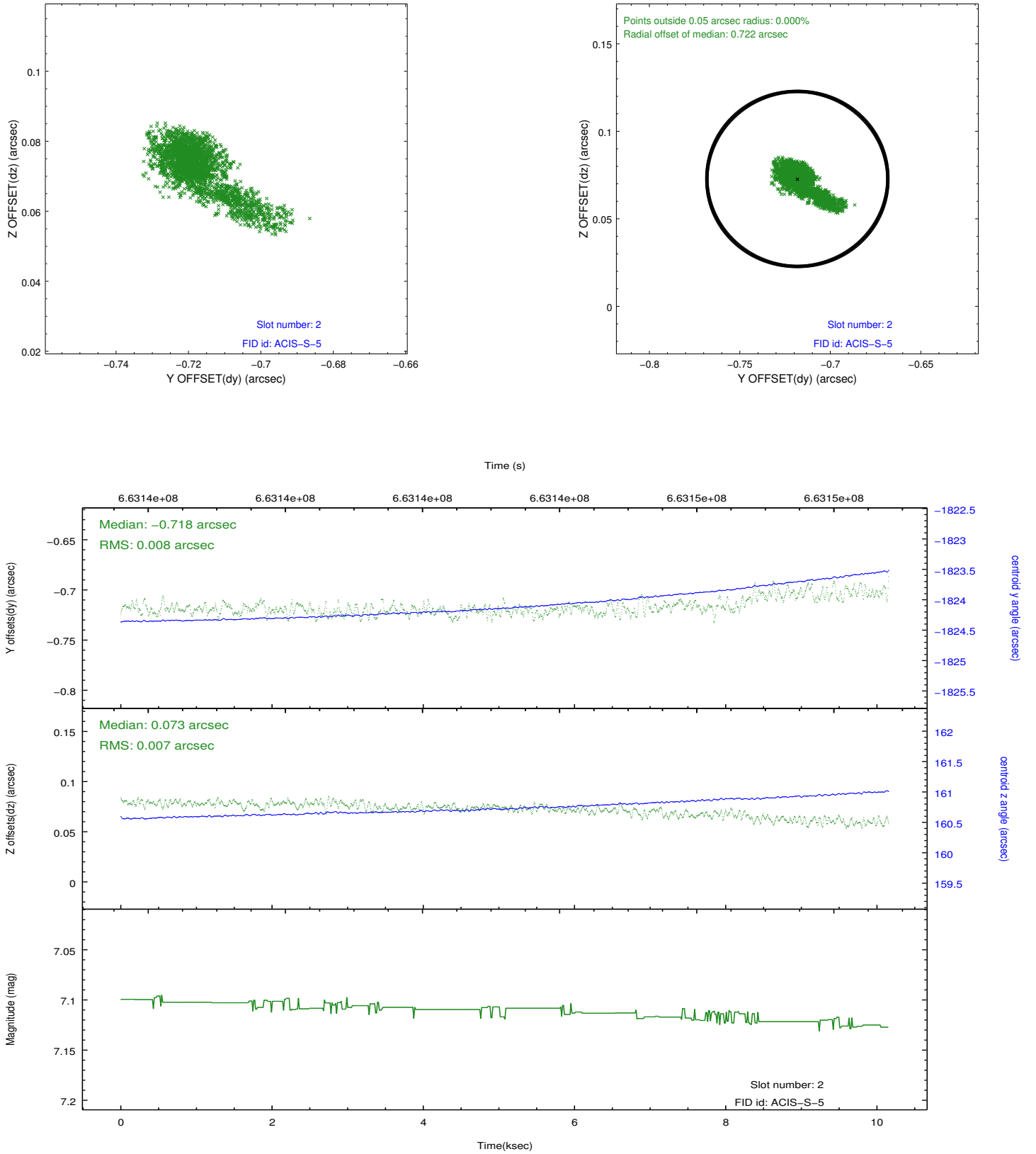
2.5.1 Slot 0



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)	2019.01.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.9622085872889

A.2 Comments