

# V&V Summary Report

## L2 ASCDS Version : 10.7

Observation 20186 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Nov 19 2018

See axaff20186N001\_VV001\_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2018.11.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.0695351632833

## Comments

The EXPOSURE (and LIVETIME) are <8225.59> s, which is <90.69>% (DTCOR) of the ONTIME of <9069.5> s. The reason that DTCOR is about 0.91 instead of about 0.99 is that the frame time is only 0.4 s. Since the frame transfer time is 0.04104 s, the fraction of the time spent in the static exposure is  $0.4 / (0.4 + 0.04104) = 0.906947$ . The EXPOSURE is consistent with the exposure expected if one counts the total number of valid frames (<20567>) and multiplies by the static exposure time (<20567> vbh.1795.axaff20186N001.0.4 s = <8226.8> s).

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HETG was inserted as a filter only. While a limited amount of high energy spectral data is available in this observation, the primary purpose of the observation was a study of the zeroth order (the target).

seq_num	401913	Sequence number
obs_id	20186	Observation id
title	Following a black hole X-ray transient through the transition into quiescence	Proposal title
observer	Elena Gallo	Principal investigator
object	MAXI J1820+070	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	275.091167	Observer's specified target RA [deg]
dec_targ	7.185639	Observer's specified target Dec [deg]
ra_nom	275.09402398275	Nominal RA [deg]
dec_nom	7.1867104182159	Nominal Dec [deg]
roll_nom	304.24780833867	Nominal Roll [deg]
revision	1	Processing version of data
ontime	9069.5351632833	Sum of GTIs [s]
liveltime	8225.5896637796	Livetime [s]
ontime7	9069.5351632833	Sum of GTIs [s]
l2events	7980	Number of level 2 events

