

# V&V Summary Report

## L2 ASCDS Version : 8.4.3

Observation 13235 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 18 2012

See [axaff13235N002\\_VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.02.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	77.009995409846

## Comments

Joint proposal, CXO-XMM.

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The ratio of the LIVETIME (69844.980443992 s) and ONTIME (77011.07543754599 s) is relatively small, but is consistent with the expected value. Given that the static frame time (i.e. excluding the frame transfer time) is 0.4 s and that there are 174615 valid frames (there were no dropped frames), the expected LIVETIME is 69846.0 s (i.e. 0.4 s `vbh.1820.axaff13235N002_VV001_vv2.tex` 174615), which is nearly identical to the reported LIVETIME. Likewise for a total frame time of 0.44104 s (i.e. including the 0.04104 s frame transfer time), the expected ONTIME is 77012.2 s (i.e. 0.44104 s `vbh.1820.axaff13235N002_VV001_vv2.tex` 174615), which is nearly reported ONTIME.

The reason for the relatively small ratio between the LIVETIME and the ONTIME

is the small ratio of static frame time (0.4 s) to total frame time (0.44104 s) = 0.90695. For nominal static and total frame times of 3.2 s and 3.24104 s, respectively, the ratio is usually 0.98733.

seq_num	501550	Sequence number
obs_id	13235	Observation id
title	Testing the magnetar model with the first low-B soft gamma repeater	&#160
observer	Dr. Nanda Rea	Principal investigator
object	SGR 0418+5729	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	64.64125	Observer's specified target RA [deg]
dec_targ	57.539694	Observer's specified target Dec [deg]
ra_nom	64.63933599925	Nominal RA [deg]
dec_nom	57.544429139453	Nominal Dec [deg]
roll_nom	70.590311713929	Nominal Roll [deg]
revision	2	Processing version of data
ontime	77009.995409846	Sum of GTIs [s]
livetime	69844.000915877	Livetime [s]
ontime7	77009.995409846	Sum of GTIs [s]
l2events	38772	Number of level 2 events

