

# V&V Summary Report

## L2 ASCDS Version : 10.9.1

Observation 5600 - L2 Version 4  
Chandra X-Ray Center

L2 Processing Date : Oct 9 2020

See axaff05600N004\_VV001\_vvref2.pdf for the full report

V&V Scientist	David Principe
V&V Date (YYYY-MM-DD)	2020.10.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	36.4223998

## Comments

Spectral extraction is of M81\*. Warning: bright off-axis source on MEG minus orders, near 17.5A MEG -1st order. Its MEG spectrum overlaps MEG of M81\*, but is wider and mostly rejected by order-sorting, except near 8A on MEG -1 where it will make a broad feature. ===== This bright X-ray source, Holmberg IX X-1, falls on the MEG -1 spectral arm. The dispersed MEG spectrum from Holmberg IX X-1 overlays the MEG spectrum of the target. Because this bright source is off axis, it is spatially large compared to the spectrum of the target, and its dispersed spectrum is also extended in the spatial direction. There is evidence that the MEG dispersed spectrum from this bright X-ray source contaminates the zeroth order of the target as well as the dispersed spectrum, although more detailed analysis would be needed to verify this.

seq_num	701024	Sequence number
obs_id	5600	Observation id
title	Understanding the accretion process in a Low-Luminosity AGN: is M81* a starved black hole?	Proposal title
observer	Dr. Claude Canizares	Principal investigator
object	M81	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	148.888333	Observer's specified target RA [deg]
dec_targ	69.065306	Observer's specified target Dec [deg]
ra_nom	148.87647842798	Nominal RA [deg]
dec_nom	69.060419292217	Nominal Dec [deg]
roll_nom	354.37264820109	Nominal Roll [deg]
revision	4	Processing version of data
ontime	36422.399864316	Sum of GTIs [s]
livetime	35961.197506298	Livetime [s]
ontime4	36422.399864316	Sum of GTIs [s]
ontime5	36422.399864316	Sum of GTIs [s]
ontime6	36422.399864316	Sum of GTIs [s]
ontime7	36422.399864316	Sum of GTIs [s]
ontime8	36422.399864316	Sum of GTIs [s]
ontime9	36422.399864316	Sum of GTIs [s]
l2events	460027	Number of level 2 events

