unblur from cisTEM not working on tif stacks in terminal

Tue, 11/26/2019 - 15:53

#1
Hi Tim and all,

I am trying to use unblur from cisTEM to align my stack saved in .tif. I got this error I did not see before:

** Welcome to Unblur **

Version : 1.00
Compiled : Dec 2 2017
Mode : Interactive

Input stack filename
[N49_2_109_00003_-9.0_Nov16_17.42.18.tif] : N49_2_109_00000_-0.0_Nov16_17.40.25.tif
Output aligned sum
[N49_2_109_00003_-9.0_Nov16_17.42.18.tif_output.mrc] : N49_2_109_00000_-0.0_Nov16_17.40.25.tif_output.mrc
Pixel size of images (A) [2.235] :
Output binning factor [2] :
Apply Exposure filter? [yes] :
Acceleration voltage (kV) [300.0] :
Exposure per frame (e/A^2) [0.24] :
Pre-exposure amount (e/A^2) [0.0] :
Set Expert Options? [yes] :
Minimum shift for initial search (A) [2.0] :
Outer radius shift limit (A) [80.0] :
B-factor to apply to images (A^2) [1500] :
Half-width of vertical Fourier mask [1] :
Half-width of horizontal Fourier mask [1] :
Termination shift threshold (A) [1] :
Maximum number of iterations [20] :
Restore Noise Power? [yes] :
Input stack is gain-corrected? [yes] :
First frame to use for sum [1] :
Last frame to use for sum (0 for last frame) [0] :
Correct Magnification Distortion? [no] :
Error. Unsupported sample format: 2. Filename = N49_2_109_00000_-0.0_Nov16_17.40.25.tif, Directory # 0
Error. Unsupported sample format: 2. Filename = N49_2_109_00000_-
I tried to change .tif to .tiff but not solve the problem. Do you know why?

Best,

Hong
Hi Hong,

Hi Hong,

This must be in a bit depth that the released cisTEM does not support. The next release probably will support it, I will send you the latest version of unblur to try out.

Thanks,

Tim