Gain reference in cisTEM

Tue, 10/01/2019 - 05:09   #1

xtalee

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Dear all,

Would it be possible to rotate and flip a gain reference when importing data into cisTEM, for example 270 degree rotation and vertical flip (Y)? If not, does anyone know which software works to transform/correct the gain reference before importing into cisTEM?

Looking forward to hearing from cisTEM/EM experts. Thank you in advance.

timgrant

Hi,

You cannot do this within cisTEM. You could achieve this using newstack and clip (from IMOD) using the following commands :-

Rotate by 270
```
newstack -rot 270 gain_ref.mrc gain_ref_rot.mrc
```

Flip around Y axis
```
clip flipy gain_ref_rot.mrc gain_ref_rot_flip.mrc
```

I'm sure this can also be done many other ways.

Tim

Tue, 10/01/2019 - 15:48 <u>(Reply to #2)</u>

xtalee

Hi Tim, Thank you very much

Hi Tim, Thank you very much for letting me know how to do this. The modified gain reference works well in cisTEM!

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