Leginon - Feature #7702
BlackStripeDetector to detect "grey" stripes
06/17/2019 02:55 PM - Laura Yen

Status: New
Priority: Normal
Assignee:
Category:
Target version:
Deliverable:

Start date: 06/17/2019
Due date:
% Done: 0%
Estimated time: 0.00 hour

Description
Can we get BlackStripeDetector node in Leginon to detect "grey" stripes on the output images. See email from Bill below from 12/14/18:

"Looking carefully at the pixel values in the image of the summed frames, it seems that there are several non-zero pixels in the image. Attached is a screenshot viewing one of the summed images in IMOD, using its pixel viewer. You can see that most pixels have 0 value, but a few have fractional values. This is the first time we have seen this. Normally the entire stripe is 100% 0 pixel values (mean=0, sd=0). Perhaps this indicates there are more complicated issues at play right now. Can you communicate this to other members of the support team, in case it helps?"

Note: the second screenshot shows pixel values in the grep part of the image, ranging from around 38 to 70. I'm guessing this means that only occasional counted frames are sending non-zero values since the non-zero counts in the stripe are closer to 1 than 50."

See also redmine issue 6129 (http://emg.nysbc.org/redmine/issues/6129#change-27163) for related information.

Files
Screen Sharing Picture December 14, 2018 at 10.53.32 AM EST.png 436 KB 06/17/2019
Screen Sharing Picture December 14, 2018 at 10.42.36 AM EST.png 437 KB 06/17/2019