Default changes on running average options for MotionCo2 vs motioncorr

Status: Closed
Priority: Normal
Assignee: Anchi Cheng
Category: Estimated time: 0.00 hour
Target version: Appion/Leginon 3.3

Description
The Purdue modified motioncorr v2.0 nrw option used standard in Appion is very useful in reducing noise trajectory in frame shift estimation. This is typically set to 3.

Similar feature is also found in MotionCor2 distributed from UCSF called Group. However, experiences told us it does not behave properly at any number other than 1.

Here is an example graph where Group is set to 3. The blue solid dot marks the first frame of the movie. MotionCor2Group3.png

Therefore, we will default the two programs differently and validate the value for MotionCor2 implementation until the issue is fixed.

Associated revisions
Revision 8f4dfb18 - 02/09/2018 05:10 PM - Anchi Cheng
refs #4564 allow running average larger than 1

History
#1 - 02/02/2018 07:42 PM - Anchi Cheng
- Tracker changed from Bug to Feature
- Status changed from Assigned to Closed

#2 - 02/02/2018 07:43 PM - Anchi Cheng
- Subject changed from Default changes on running average options for different versions of motioncors to Default changes on running average options for MotionCo2 vs motioncorr

Files
MotionCor2Group3.png 29.6 KB 11/04/2016 Anchi Cheng