Defocal pairs shifts are failing on DD data

07/19/2010 04:32 PM - Neil Voss

Status: In Test
Priority: Normal
Assignee: Dmitry Lyumkis
Category: Python scripting
Target version: Appion/Leginon Future Version
Affected Version: Pre-2.0
Show in known bugs: No

Description
Defocal pairs shifts are failing on DD data

Associated revisions
Revision 0b1df599 - 07/19/2010 07:51 PM - Neil Voss
fix for non-square images, use cross-correlation not phase, refs #748

History
#1 - 07/19/2010 04:56 PM - Neil Voss
- Status changed from Assigned to In Code Review
- Assignee changed from Neil Voss to Amber Herold

#2 - 07/22/2010 01:00 PM - Amber Herold
- Assignee changed from Amber Herold to Neil Voss

Neil, looks like you are clipping non-square images and throwing away the excess pixels. Are there any consequences of this that people should be aware of? Image off center, any possibility of throwing out relevant info?

#3 - 07/28/2010 04:09 PM - Neil Voss
- Assignee changed from Neil Voss to Amber Herold

It is just clipping the square because our cross_correlation algorithm does not work with rectangles. The clipping is not saved it only used for this function.

When we get the new camera, Jim will probably fix the cross_correlation algorithm to work with rectangular images, but I don't want to do that for fear of breaking Leginon.

#4 - 08/09/2010 09:42 AM - Amber Herold
- Status changed from In Code Review to In Test

#5 - 08/17/2010 10:53 AM - Amber Herold
- Assignee changed from Amber Herold to Dmitry Lyumkis

#6 - 08/19/2010 04:54 PM - Dmitry Lyumkis
- Assignee changed from Dmitry Lyumkis to Neil Voss

Neil, What's the best way to test this before the release? Could you provide some procedures?

#7 - 08/26/2010 01:26 PM - Neil Voss
- Assignee changed from Neil Voss to Dmitry Lyumkis

You can test it on any dataset with defocal pairs. Just pick on ef and make a stack from en.