Appion - Feature #4144

use Camera setup frame rotation to transform defects, references, and output in makeDEAlignedSum.py

05/03/2016 07:22 PM - Anchi Cheng

<table>
<thead>
<tr>
<th>Status:</th>
<th>In Code Review</th>
<th>Start date:</th>
<th>05/03/2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
<td>Due date:</td>
<td></td>
</tr>
<tr>
<td>Assignee:</td>
<td>Scott Stagg</td>
<td>% Done:</td>
<td>0%</td>
</tr>
<tr>
<td>Category:</td>
<td></td>
<td>Estimated time:</td>
<td>0.00 hour</td>
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<tr>
<td>Target version:</td>
<td>Appion/Leginon 3.3</td>
<td>Spent time:</td>
<td>0.00 hour</td>
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</tbody>
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Description

Needed when camera is rotated

Associated revisions

Revision 19714 - 05/03/2016 07:24 PM - acheng
refs #4144 , refs #4116 handle camera rotation

Revision 76eb25e2 - 05/03/2016 07:24 PM - Anchi Cheng
refs #4144 , refs #4116 handle camera rotation

Revision 19715 - 05/03/2016 09:41 PM - acheng
refs #4116, #4144 complete with all rotations and bad pixels as boxes

Revision 94f76c7f - 05/03/2016 09:41 PM - Anchi Cheng
refs #4116, #4144 complete with all rotations and bad pixels as boxes

Revision 19762 - 05/16/2016 04:05 PM - Scott Stagg
added command line option to override querying bad pixs from db refs #4144

Revision 7e27f47a - 05/16/2016 04:05 PM - Scott Stagg
added command line option to override querying bad pixs from db refs #4144

Revision 19772 - 05/17/2016 06:12 PM - acheng
refs #4144 back compatible axis settings in plot

Revision 8703f0d4 - 05/17/2016 06:12 PM - Anchi Cheng
refs #4144 back compatible axis settings in plot

History

#1 - 05/03/2016 09:42 PM - Anchi Cheng
- Status changed from Assigned to In Code Review
- Assignee changed from Anchi Cheng to Scott Stagg
- Priority changed from High to Normal
- Target version set to Appion/Leginon 3.3

r19714 adds the feature for rotation at 90 or 270 degrees.
r19715 cleans it up and add all rotations and pixels

Not doing flipping transforms.

#2 - 05/16/2016 04:01 PM - Scott Stagg
For reasons, I haven't figured out, this operation does not correctly fix bad rows and cols on my end. I added an option to override query of bad pix using command line options.
Scott.

We experience similar problem. The bad row or column sometimes offset by one. I can prove that the bad row and column are correctly identified when I read and correct it with the reader and algorithm used in makeDDRawFrameStack.py

r19772 replaces your

```
ax.tick_params(axis='both', bottom='off', left='off', top='off', right='off', labelbottom='off', labeltop='off', labelright='off', labelleft='off')
```

with the one that I can run without failing with the CentOS 6 yum installed 0.99 version of matplotlib. Hope that does not affect your side.