**Appion - Feature #4747**

**Option to transfer raw frames to a buffer host other than the permanent session frame path**

02/02/2017 01:33 PM - Anchi Cheng

<table>
<thead>
<tr>
<th>Status:</th>
<th>Closed</th>
<th>Start date:</th>
<th>02/02/2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
<td>Due date:</td>
<td></td>
</tr>
<tr>
<td>Assignee:</td>
<td></td>
<td>% Done:</td>
<td>0%</td>
</tr>
<tr>
<td>Category:</td>
<td></td>
<td>Estimated time:</td>
<td>0.00 hour</td>
</tr>
<tr>
<td>Target version:</td>
<td>Appion/Leginon 3.3</td>
<td>Spent time:</td>
<td>0.00 hour</td>
</tr>
</tbody>
</table>

**Description**

This feature allows a hardware setup with dedicated buffer host per camera host that receives the frames and operate on it locally. The workflow examples are frame alignment, and compression of the frames after it, and then put on the permanent frame path in a more compact form.

**Related issues:**

Related to Appion - Feature #4860: compress raw frames after running frame alignment or making gain/dark corrected frame stack added.

**Associated revisions**

Revision 45c7d361 - 02/02/2017 01:34 PM - Anchi Cheng
refs #4747 buffer host integration in frame processing workflow

Revision d9c822b4 - 02/09/2017 12:26 PM - Anchi Cheng
refs #4747 45c7d361 in beta

**History**

#1 - 02/02/2017 01:40 PM - Anchi Cheng
45c7d36 adds this feature. To use it, leginondata needs a BufferHostData table with InstrumentData of the digital camera mapped to a buffer host and base path, and disabled flag set to False. Currently implemented to the point that it can make gain/dark corrected frame stack.

Need administrative gui to turn the buffer on or off by changing disabled flag.

#2 - 03/25/2017 09:45 PM - Anchi Cheng
- Related to Feature #4860: compress raw frames after running frame alignment or making gain/dark corrected frame stack added

#3 - 01/24/2018 10:51 PM - Anchi Cheng
- Status changed from Assigned to Closed

Frame compression does not work but Carl has a different solution. The rest works.