Gain file is by default named CountRef...mrc (with a pixel size of 1)

Defect file is by default a text file

When importing the movies you should give a defect map file as well as the gain reference file.

Load IMOD

```
module load imod (on cbi-... servers)
setimod (on xtallo machines)
```

You can make a defect map from the text file with 'clip defect' in IMOD 4.10.7 or higher:

```
clip defect -D defects...txt  fileWithFrames  defects...mrc
```

where the fileWithFrames is used only to set the size of the output and can be any file of the right X and Y size.

If the defect text file is not recognized by cryoSPARC, the Gain file has to be modified to put a value of 0 on defective pixels (because any pixels that have a value of 0 in the gain reference file are treated as defects).

In the Gain file, the defective pixels have a value of 1, so you need to subtract the defects...mrc file from the Gain...mrc file

```
subimage Gain...mrc defects...mrc Gain_subimage...mrc
```

The pixel size will messed-up and has to be fixed to get back to a value of 1

```
alterheader -fixpixel Gain_subimage...mrc
```

Now the Gain_substracted...mrc file has a zero value for defective pixels instead of 1).

Gain/defect files coming from Glacios must be flipped along Y axis when imported in cryoSPARC.