

# Output Files

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## Additional Photostimulation Documentation

If the option is enabled to log information in the photostimulation controls window, a .stim file will be created. The photostimulation log file (.stim) contains three variables, the X coordinate, the Y coordinate, and the beam power. The file can be read using the function `scanimage.util.readPhotostimMonitor`

```
% x,y are in reference coordinate space, beam power is in [V], native readout of photo diode
out.X = phtstimdata(:,1);
out.Y = phtstimdata(:,2);
out.Beam = phtstimdata(:,3);
```

## Additional Motion Correction Documentation

If data logging and motion correction are both enabled, a motion correction output file will be generated with a [File name stem] + "\_Motion\_" + [File extension]

This file will contain the following attributes: timestamp, frameNumber, success, quality, xyMotion, roiUuid, motionMatrix, z, and channel.