

JEOL 2100 – Orius SC200D

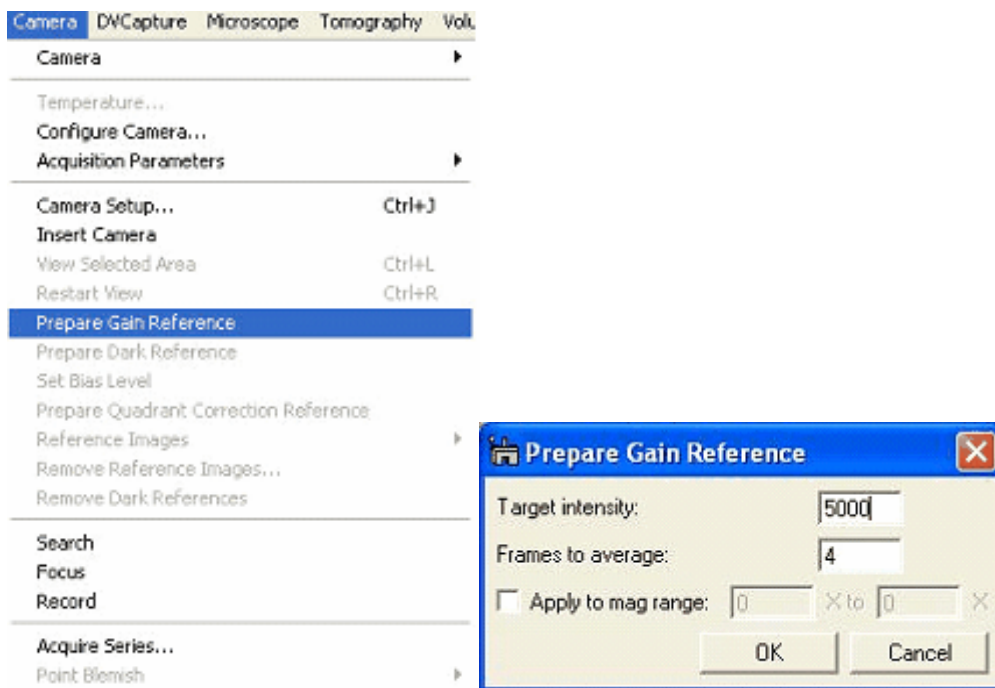
Gain Normalization

It is important to prepare a new gain reference image after the CCD has reached the equilibrium temperature (normally this takes less than 5 minutes). The gain reference image should be checked regularly.

To prepare gain reference image, remove specimen from the field of view, evenly spread the illumination across the CCD sensor.

Under the Camera menu (see figure below), choose Prepare Gain Reference. Set the target intensity to the value of 5000-7000. Normally it is sufficient to set the frames to average to 4. Then simply follow the instructions on the screen. It is recommended to perform all gain reference collection(s) when

- The camera temperature is stable (after at least 5 minutes of cooling),
- Every time the camera is switched on,
- Once a week if the camera is always on, or
- Before acquiring any important images.



*Sometimes during the routine the software will ask you to adjust the intensity. To do this, simply spread out the beam until the box on the image is in the green region and then click proceed.