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Gatan Ultrascan CCD Camera Starting up Procedures

Gatan CCD using

- 1. Confirm the switchbox is at the Ultrascan position
- 2. Confirm the cooling is ON at the Camera Controller
- 3. for Auto Tuning, from the TEM keyboard, type in "EXT 1" for setting up the communications between the DM (DigitalMicrograph, Gatan) and the TEM CPU
- 4. Confirm the shutter control at the Camera Controller is at AUTO position
- 5. Turn on PC-DM software
- 6. TEM SCREEN is ON (lift-up position)

("LFC E" for out of TEM FLC, Free Lens Control)

Negative film using

- 1. Confirm to retract the UltraScan camera (back to protection position, release the TEM shutter control)
- 2. the CCD shutter at AUTO side on the CCD controller!

GIF and EELS using

- 1. Confirm to retract the UltraScan camera (back to protection position, release the TEM shutter control)
- 2. the CCD shutter at AUTO side on the CCD controller!