



September 28, 2006

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!