

ULTRACAM startup procedure

1. Turn on the water chiller and check for leaks in the 12 pipe connectors in ULTRACAM.
2. Turn on power to the entire ULTRACAM electronics rack by switching on the green illuminated switch on the mains socket strip at the top of the rear of the electronics rack
3. The imedia PC will start booting up automatically, but to boot up the rack PC you will need to press the power button on its front. Use the sliding monitor and keyboard in the rack to monitor progress, clicking the green button on the front of the small, grey KVM switch in the rack shelf to switch displays between the rack and imedia PCs.
4. Power on the peltier temperature controllers and SDSU CCD controller at the rear of the rack. The CCDs will gradually cool down to the set point of -40 degC at the safe rate of 5 degC/min using the built-in ramp function. Do not worry if you see an “Err1” message on the front of the green peltier display - this will go away after a few minutes when the unit has warmed up. However, **be careful to check that the ramp is functioning when the green peltier eventually starts cooling - “rP” should be flashing in the display - if it is isn’t, set the CCD temperature to a few degrees above its current temperature and then set it to -40 degC again.**
5. If observing that night with ULTRACAM, ask the ULTRACAM team to ensure the focal-plane slide is in the home position and then move the M4 mirror into the beam.