

To: Solstice® Ace™ and Spitfire® Ace Laser Users

Date: May 6, 2020

Subject: Extended Laser Shutdown Procedure

As a reminder, when the laser is non-operational for extended periods, both the chiller and power supply should be turned OFF. Please follow the following guidelines for shutting down your laser system. Refer to the user's manual for a detailed shutdown procedure for your specific product.

1. Before shutting down, record the amplifier output power into a system log, and take screenshots of all tabs in the ACE GUI for records.
2. Click the **Ascend®/Empower® On/Off** button in the ACE GUI to stop pump laser emission.
3. Switch off the Regen switch in main window of the ACE GUI to stop Pockels Cell triggering (CH1, CH2, and CH3).
4. Close shutter to seed laser and then click the **Mai Tai® On/Off** button to stop **Mai Tai** emission or switch off emission to external seed laser.
5. Turn off the HI VOLTAGE key switch on the *TDG* and AC power switch of *TDG*.
6. Turn off the AC power switch of the *TCU*.
7. Turn off the key switch on the pump laser power supply and the AC power switch.
8. Turn off the AC power to **Mai Tai** or external seed laser.
9. Turn off the pump laser chiller.
10. Turn off the seed laser chiller.
11. If you expect chiller system to be powered off for more than a few weeks it is recommended to drain coolant to prevent stagnation or evaporative concentration of coolant, and at the time of restart perform necessary system maintenance and replace coolant with fresh stock.

If you have any questions, please contact our Technical Support at +1-800-456-2552 or via e-mail service@spectra-physics.com.