

UVAT Laser Startup and Shutdown Procedures S-AB-P-151 Rev A

Intent: These procedures should be followed to startup or shutdown the Photonics DC 150 laser located on the UV-alignment table (UVAT) in the OMEGA EP Laser Bay. This is a Class 4 laser operating at 351nm. Appropriate eye protection must be worn prior to performing the startup procedure below.

Startup Procedure:

1	Request the Shot Director to enable the UVAT interlock on the Facility Interlock.	<input type="checkbox"/>
2	Switch the power switch to the ON position.	<input type="checkbox"/>
3	Press the <i>Shutter</i> button ON and observe that the green LED above the pressed button is illuminated.	<input type="checkbox"/>
4	Press the <i>Menu</i> button to display the main menu. Press the <i>Previous/Next</i> button to select the Diode setting menu, and then press <i>Enter</i> to display the diode setting sub-menu.	<input type="checkbox"/>
5	Turn the <i>Laser Enable</i> key-switch ON .	<input type="checkbox"/>
6	Press the <i>LDD</i> button and observe that the green LED, above the pressed button, is illuminated.	<input type="checkbox"/>
7	Press the <i>Previous/Next</i> button to move the cursor to the I_s parameter location, and then press the <i>Enter</i> button to make the cursor blink. <ul style="list-style-type: none"> • Rotate the knob clockwise to change the current to 19 amps. NOTE: Closing the shutter will cause it not to be able to re-open until the current is dialed below 5 amps. Once the shutter is open the current can be dialed back up to 19 amps.	<input type="checkbox"/>
End of Procedure		

Shutdown Procedure:

1	Rotate the current knob counter clockwise to decrease the current below 1 amp. Press <i>Enter</i> button to save this change to the system.	<input type="checkbox"/>
2	Press the <i>LDD</i> button to shut down the laser diode driver. Observe the green LED above the button is no longer lit.	<input type="checkbox"/>
3	Turn the <i>Laser Enable</i> key to OFF .	<input type="checkbox"/>
4	Press the <i>Shutter</i> button. Observe the green LED above the switch is no longer lit.	<input type="checkbox"/>
5	Switch the Power switch to OFF .	<input type="checkbox"/>
6	Inform the SD that the UVAT laser has been turned off.	<input type="checkbox"/>
End of Procedure		

Document Release:

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