

Sources Scientific Camera Startup and Shutdown S-AB-P-116 Rev A

This procedure should be followed to startup or shutdown the SI-800 Scientific Cameras in the Laser Sources Bay from the EP Control Room.

Startup Procedure:

1	<p>Ensure that the camera power supply and associated chiller power supply are turned ON.</p> <p>The chiller display should read approx. 14°C. If the unit displays ‘*’, the unit is not cooling. Ensure that the coolant level is adequate. Resolve the problem before continuing.</p> <p style="text-align: center;"> Laser Source 1 <input type="checkbox"/> Laser Source 2 <input type="checkbox"/> Laser Source 3 <input type="checkbox"/> Laser Source 4 <input type="checkbox"/> </p>	<input type="checkbox"/>
2	Log into and start the system software at the Sources workstation per S-AB-P-091.	<input type="checkbox"/>
3	<p>On the PC, click Start, then follow the menus to the remote desktop.</p> <p>‘all programs’ ‘accessories’ ‘communications’ ‘remote desktop connection’</p>	<input type="checkbox"/>
4	<p>Select the computer that runs the camera of interest</p> <p>‘<i>ariel</i>’ (Laser Source 1) ‘<i>xxx</i>’ (Laser Source 2) ‘<i>xxx</i>’ (Laser Source 3) ‘<i>xxx</i>’ (Laser Source 4)</p>	<input type="checkbox"/>
5	<p>Double click the camera software icon to be started.</p> <p style="text-align: center;">(continues)</p>	<input type="checkbox"/>

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6	<ul style="list-style-type: none"> In the new window, ensure that the camera temperature is $< 30^{\circ}\text{C}$. <p>Note: If not, ensure the camera chiller is ‘on’ and not showing any errors. If the chiller is running properly and the temperature is $> 30^{\circ}\text{C}$, close the software application and resolve the problem.</p> <ul style="list-style-type: none"> Ensure the camera chip temperature is $> 0^{\circ}\text{C}$ when the software starts, if not, close the software and resolve the problem. <p>Note: After the software starts, the camera chip temperature should drop to approx. minus 60°C.</p>	<input type="checkbox"/>
7	Ensure that the camera software shows ‘connected’ on the <i>lse</i> .	<input type="checkbox"/>
8	Repeat this procedure to start the remaining cameras.	<input type="checkbox"/>
(end of procedure)		

Shutdown Procedure:

1	Close the software for the desired camera.	<input type="checkbox"/>
2	Logout of the remote desktop.	<input type="checkbox"/>
3	If required, turn the camera and chiller power supplies ‘OFF’.	<input type="checkbox"/>
(end of procedure)		

Document Release:

S-AB-P-116 Sources Scientific Camera Startup and Shutdown

This document is a component of Vol. IX OMEGA EP System Startup and Shut Down, Chapter 2, Laser Sources, S-AB-P-011.

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