



VARIAN

Number: SHT-900LC - 12

Date: November 10, 2009

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SERVICE How To

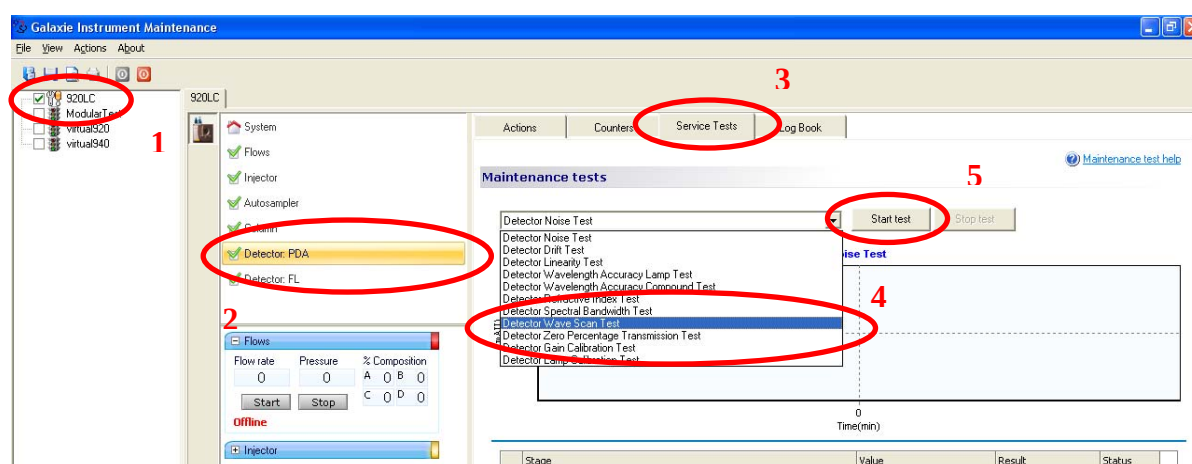
Model Number: 900-Series LC	Originator: P. van Poppel	Topic Wavescan Procedure
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900LC Wavescan procedure

You need to run this test with LC grade water in your flow cell. Make sure there is nothing in the cell that can reduce your signal throughput i.e bubbles, dark liquids etc.

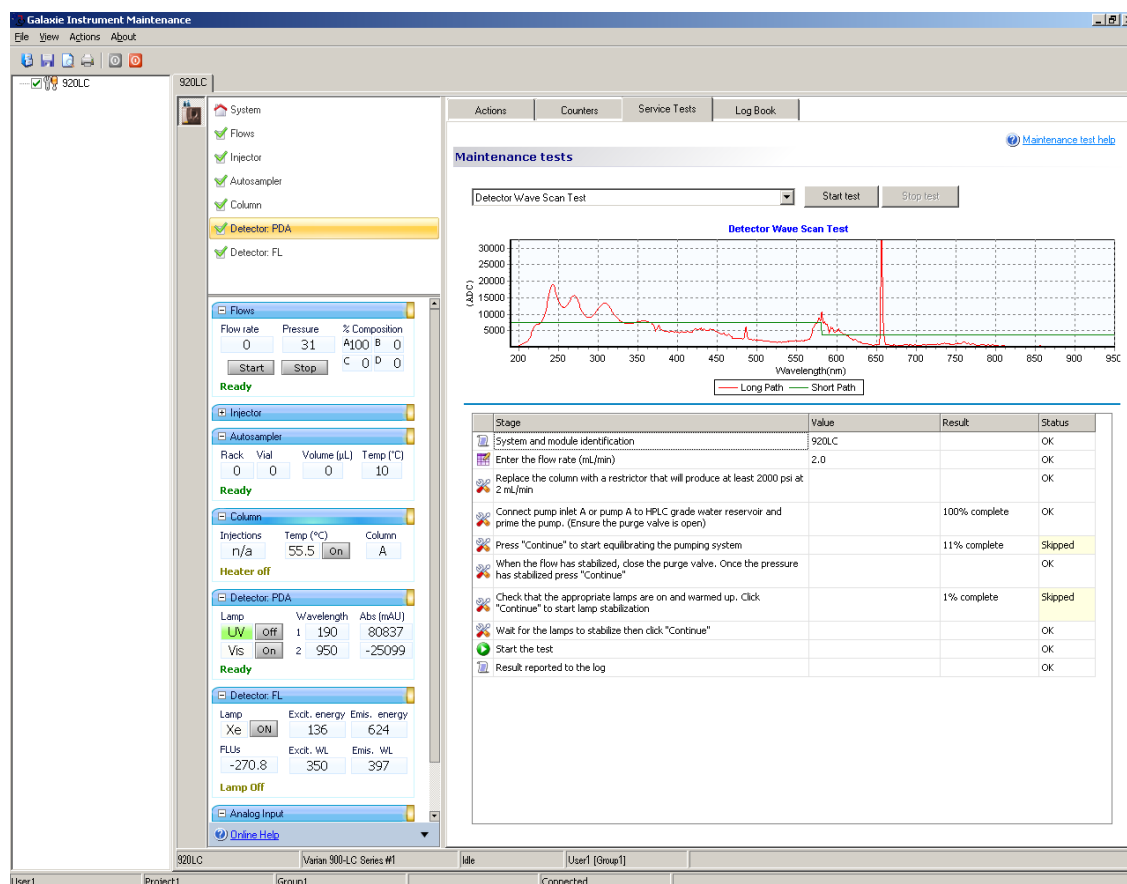
Procedure:

1. Open the IMS, connect to the 900 instrument in the IMS (1) and turn on the D₂ lamp. Let the lamp warm-up for 15- 25 min.
2. Once the lamp has warmed up, navigate to the wavescan test for the detector (either UV-vis or PDA) by selecting the detector module on the centre part of the screen (2), select the Service Tests tab (3) on the right hand side of the screen and select the Detector Wavescan Test from the available dropdown list (4).

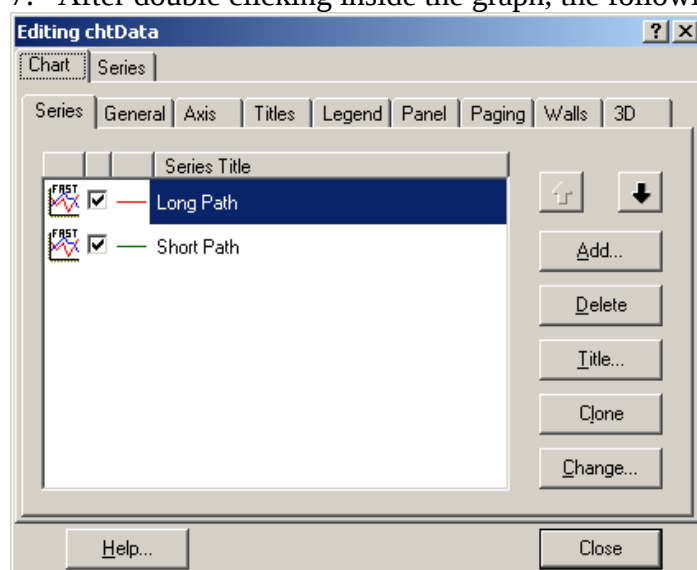


3. Make sure that you have placed a flow cell into the detector and that you have solvent bottle A filled with LC grade water.
4. In order to start the wavescan, click on the Start Test button (5) and follow the prompts.

5. Properly purge and equilibrate as suggested by the prompts. Only equilibrate the lamp if you did not have it turned on at least 15 minutes prior.
6. Once the test is finished you will see a window such as below. You can manipulate the graph or export it by double clicking inside the graph.



7. After double clicking inside the graph, the following window appears:



8. Export the graph by clicking the export button under the General tab.
9. If the Peak Max intensity is below 10,000 counts, please insert a new D₂ and repeat the above procedure. If you still have low lamp intensity counts, then you most probably have foggy optics and should check the mirrors.