Solaris RTP (SSI) Operating Instructions

Do not exceed the Temperature vs Time thresholds listed below without prior staff approval:

Temp Time	Temp Time	Temp Time	Temp Time
1200C 2.0m	1000C 6.0m	800C 10m	600C 30m
1150C 2.5m	950C 6.5m	750C 12m	550C 45m
1100C 5.0m	900C 7.5m	700C 15m	500C 60m
1050C 5.5m	850C 8.5m	650C 20m	450C 76m
			400C 85m

Do not open the tool at temperatures exceeding 200C

Do not use plastic tweezers

Ensure the PID value is set to 4.00 and the SLM value is set to 10 prior to running a recipe.

If at any time you need to stop the process select the "Stop" button on the software, or press the EMO button on the tool.

Ensure you fill out the logbook after using the tool.

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1) On the main system, press the green power on button. You will hear a loud click and hear air flowing. If you do not hear anything after pressing the green button, try rotating the EMO button and then press the green power on button again.

2) Press down on the door lever and gently pull out the wafer tray. Verify that a previous user did not leave a sample inside the system, there should only be a bare silicon wafer centered on the tray. Place your sample on the Si wafer.

3) Ensure the quartz tray is centered and then gently push the door closed and latch it closed by lifting up on the handle. (Take extra caution to ensure the tray is properly aligned with the chamber)

4) On the computer, If you are on the Solaris RTP Main Menu page select the "Run Process" tab.

5) On the Solaris RTP Process Page, ensure the Purge MFC set point, SLM us set to 10.

6) On the Solaris RTP Process Page, ensure the Delay Before PID is set to 4.00.

7) On the Solaris RTP Process Page, from the Select Recipe File pull-down menu select your recipe.

8) On the Solaris RTP Process Page, press the green icon labeled Start to start your process.

9) When process is complete a window will appear. Select "Store Data".

10) Store your data in your company or PI named folder. If the appropriate folder is not there, please create one.

11) Ensure control temperature reads less than 200C before opening door and removing your sample. Exercise caution, as the Si wafer and quartz tray may be very hot. Remove your sample.

12) Ensure the quartz tray is centered and then gently push the door closed and latch it closed by lifting up on the handle. (Take extra caution to ensure the tray is properly aligned with the chamber)

13) Press the red power button on the RTP tool to turn off the RTP

14) Properly fill out the logbook.