PIPE VISCOMETER EXPERIMENT
Version 9.2017

Startup (You may want to start this experiment 20 minutes before lab time.):
• Turn the mixers on.
• Go to the Labview Controls (here; use Pale Moon; see screen shot).
• Right click and request control of VI (see screen shot).
• Tunable parameters have a white background (instead of gray).
• Select the large or small pipe. (NEVER switch between the pipes while the pump is on.)
• Toggle pump switch on.
• Now you can read your flow rates, pressure drop, and fluid temperature.
• To switch to the other pipe: toggle pump switch off, select pipe size, turn pump on, collect data from the other pipe.
• Once you have values from both pipes, you can select what flow rates you would like to use.
• Then turn your pump off and de-select the window.
• Go to the flow control and select auto-control.
• Now you can use your set point to set target values below your maximum values.
• Then go to pump control, turn it on, and record the important variables.

Shutdown:
• Turn off the pump.
• Turn off the mixers.
• Leave everything plugged in.
Figures 1a & b Screen Shot of Labview Controls for Pipe Viscometer; Right click menu