CyTOF2 End of the Day Shutdown (Software Version 6.0.626)

A. Washing sample lines (After your last sample has been run)
   1. Follow the final wash procedures outlined in the Sample Acquisition SOP.
   2. Once background levels are acceptable, we’re ready to shutdown.

B. Turning off the Plasma
   1. Click the “About” Tab on the CyTOF home window
      a. Select “Login” into administrator user account
         1. Enables access to the “Control Panel”
         2. Administrator / donuts
      2. Click the “Control Panel” Tab in the CyTOF Main Menu to open the control panel
      3. Click the “Plasma” Tab to open the Plasma control
      4. Click “Stop Plasma”
         a. Shutdown takes about 5-10 minutes
b. The Syringe Pump, Chiller and Heater will shut off as part of the shutdown procedure

5. Wait for the prompt indicating a successful shutdown before proceeding to Part C

**C. Turn off the Argon Gas flow on the Tank**

1. If gas is being drawn from a cylinder, please shut off gas flow at the Cylinder
2. If gas is being drawn from the Argon dewar, no action is required.
D. Remove the Nebulizer from the Nebulizer port

E. Disassemble the nebulizer
   1. Remove the Sample Capillary from the Nebulizer
   2. Place the Flangeless fixture in its home underneath the heater
   3. Disconnect the gas line from the Nebulizer
      a. Unscrew the Swagelok from the Nebulizer side being careful to catch the ferrule and the O-ring
      1. Recommend that you hold the Nebulizer upside down to catch all three pieces of the attachment assembly
         a. White Nylon Ferrule
b. Black O-ring  
c. White Swagelok nut

b. Remove the Nebulizer  
c. Reassemble the Swagelok fixture with the ferrule and O-ring embedded on to the gas line and store the gas line on the housing next to the Heater cage

d. Fill the Nebulizer with the milli Q water using a syringe attached to the Nebulizer side arm and the Nebulizer sample line

e. Place the nebulizer in its Storage Case filled with MilliQ water and soak overnight or until next use
F. Close the CyTOF software package
G. Double check that you performed a “FACS Data Check-in”
H. Log out of your windows account to stop that day’s accounting

Leave all other components on the CyTOF running indefinitely