Initial Checkout

Name: __________________________________________________________

Date: ___________________ Time: ________________________________

☐ Check that Rest Mode light on electrical rack is on.

Valves on gas lines:

Open: ☐ VVM-35 ☐ VVM-37 ☐ VVM-44 ☐ VVM-45
Close: ☐ VVM-41 ☐ VVM-46 ☐ VVM-101

Valves on rotameters, flowmeters:

Open: ☐ VVM-73 ☐ VVM-74 ☐ VVM-75 ☐ VVM-76 ☐ VVM-77
☐ VVM-78 ☐ VVM-79 ☐ VVM-80
Close: ☐ VVM-81

Valves on security line:

Open: ☐ VVM-34
Close: ☐ VVM-47

Valves on filters:

Open: ☐ VVM-49 ☐ VVM-61
Close: ☐ VVM-33 ☐ VVM-36

Valves on Purifiers:

Close: ☐ VVM-67 ☐ VVM-71 ☐ VVM-97 ☐ VVM-98 ☐ VVM-95
☐ VVM-96 ☐ VVM-65 ☐ VVM-69 ☐ VVM-94

Valves on gain chamber:

Open: ☐ VVM-89 ☐ VVM-90 ☐ VVM-93 ☐ VVM-94

Valves in Rack 10:

Open: ☐ VVM-38 ☐ VVM-40 ☐ VVM-300
Close: ☐ VVM-39

Valves on lines from gas hut:

Open: ☐ shutoff valves at bottom of penetration ☐ shutoff valves on roof
Close: ☐ bypass valve at bottom of penetration ☐ bypass valve on roof
Compressor — Use compressor 1 (open VVM_87) with controller 1 and pressure sensor DPRT–9 unless hardware problems dictate otherwise.

☐ Open one compressor inlet valve, close the other (VVM-87 = compressor 1, VVM_88 = compressor 2)
  Valve opened: ___________________ Valve closed ________________

☐ Select a controller using switch on B636–02. Controller selected: ________________

☐ Select a variator. Variator selected: ________________

☐ Select a pressure sensor using switch on B636–02. Sensor selected: ________________

Flowmeters, Rotameters and Regulators.

☐ Set all controller mass flowmeters to zero (not output mixer).

☐ Close helium high-flow and low-flow rotameters.

☐ Close isobutane high-flow and low-flow rotameters.

☐ Set security line rotameter to maximum flow.

Analysis

☐ Set two analysis valves to ANALYSIS

☐ Close inlet and outlet of gas sampling cartridge

☐ Close Span gas inlet

☐ Close N₂ Analysis inlet

Neutral Gas rack (B636-04)

☐ Open N₂ supply valve, VVM-107

☐ Close CO₂ valve, VVM-106

☐ Set VVT-8 to N₂.

☐ Adjust N₂ regulator to get 1.0 – 1.1 bar pressure on gauge at N₂ rotameter.

☐ Set N₂ exhaust flow to 100 lt. / hour

☐ Set front bulkhead flow to 24 lt. / min.

☐ Set rear bulkhead flow to 24 lt. / min.

☐ Set outer cylinder flow to 50 lt/hour.

☐ Set “Chamber Air” input valve VVM-104 OFF.

☐ Close “Chamber Air” rotameter.