Glove Box Operation Procedure

Get items into the glove box

- 1. Turn on the vacuum pump
 - a. The switch behind the pump
- 2. Open the argon tank valves
 - a. One on the tank
 - b. One after the regulator
- 3. Open the door to the antechamber
- 4. Put your items into the antechamber
- 5. Close the outside door
- 6. Open the "Vacuum Valve"
- 7. Pump down to about 20 on the gauge
- 8. Close the "Vacuum Valve"
- 9. Open the "Glove Box Valve"
 - a. Let's argon into the antechamber
- 10. Supply Argon to the glove box
 - a. Push on the right side of the "Foot Pedal"
 - b. Keep the whole chamber under slight positive pressure
- 11. Open the inside door of the glove box
- 12. Arrange various items as you please inside the glove box
- 13. Close the "Glove Box Valve"

Leaving the glove box:

- 1. Put everything you brought in, back into the antechamber
- 2. Shut the inside door of the glove box
- 3. Open the outside door of the glove box
- 4. Remove all your items
- 5. Close outside door of the glove box
- 6. Open the vacuum valve
- 7. Let the antechamber pump down to 25-30 vacuum units
 - a. This will form a good barrier between the glove box and the environment
- 8. Close the vacuum valve

General Glove Box Considerations:

- Glove box should always be under slight positive pressure when not in use
 - This requires refilling regularly with the foot pedal

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