Alpha Calibration for IRIS

1. Ensure scattering chamber has been vented (see venting instructions) and that pressure in the scattering chamber has reached atmospheric pressure.
2. Remove screws joining the side panel to the scattering chamber
3. Pull side panel away from scattering chamber - being cautious that the silicon arrays do not hit any part of the chamber.
4. Prepare to handle the alpha source by donning latex gloves. While working with the alpha source, be sure not to touch the surface of the source.
5. Affix the alpha source to the orange source holder.
6. Affix the source holder to the copper heat shield of the target module.
7. Close the side panel, ensuring silicon arrays do not hit the chamber walls, and that wires are not caught between the side panel and chamber walls.
8. Replace screws joining the side panel with the scattering chamber.
9. Prepare a warning sign (with relevant details of the source) that a source is in use in the scattering chamber and place sign in a visible area around the scattering chamber.
10. Pump down the chamber (see pumping instructions). This may take a full day to reach the necessary pressure.
11. After pumping is complete, bias the detectors with IRIS recommended voltages (see paper slip beside HV modules).
12. Begin taking runs.