Standard Operating Procedure: Venting GIXS Beamline 8-ID-E Safely

0. Put on hearing protection before entering the hutch
1. Cover the Pilatus face with the lid that is on top of the detector
2. Vent the sample chamber: On the vacuum controller at the downstream end of the detector table, on the touchscreen, press the Vent SC button.
3. Turn off the turbo pump at the downstream end of the beamline and let the motor spin down.
4. Go upstream and turn off the turbo pump there. While the motor is spinning down, close the valve on top of the turbopump.
5. When the valve is closed, open the vent valve (green handle, upstream of XIA filters) and leak up the upstream part of the beamline
6. When the upstream turbo has stopped spinning, open up the valve on top of the turbo
7. When the downstream turbo stops spinning, open the vent valve on the downstream flight path (downstream end, inboard side), and leak up the big flight path
8. When the flight path is back to atmospheric pressure, it is safe to remove the hearing protection.