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Procedure for opening SEBT3A:IV4 during TIP runs

This procedure is intended to speed up pump-down of TIP vacuum vessels.

Initial conditions (all devices on SEBT3A):

- IV4 closed
- IV5 forced open mechanically (in EPICS: black outline, red fill)
- TP4 at speed
- TP6 at speed
- CG4 < 0.010 torr
- CG5 < 0.010 torr
- PNG4 on and reading “Good Vacuum”
- PNG5 off OR PNG5 on and reading “Good Vacuum”

Procedure:

1. Make an E-Log entry that this procedure has been requested. Identify the requester.
2. Close IV2.
3. If PNG5 is off, proceed to step 4.
If PNG5 is on and reading “Good Vacuum”, skip to step 9.
4. Turn off PNG4.
5. Bypass the interlocks for IV4 (make an E-Log entry).
6. Open IV4.
7. Turn PNG4 and PNG5 on.
8. When PNG4 and PNG5 both read “Good Vacuum”, remove the IV4 interlock bypass (make an E-Log entry) and skip to step 10.
9. Open IV4.
10. Open IV2.