

## Little Dome C

Beyond EPICA Oldest Ice Drilling Site (75.29917 °S, 122.44516 °E)

Situation Report 40, 26. December 2024

### Personnel @LDC:

Lisa Ardoin (ULB), Marie Bouchet (CNRS), Ailsa Chung (CNRS), Danilo Collino (ENEA, Camp Leader), Inès Gay (IPEV), Matthias Hüther (AWI, Chief Driller), Manuela Krebs (AWI), Gunther Lawer (AWI), Johannes Lemburg (AWI), Martin Leonhardt (AWI), Michele Scalet (ENEA), Federico Scoto (CNR), Barbara Seth (UNIBE), Lison Soussaintjean (UNIBE), Julien Westhoff (UCPH, Chief Scientist), Frank Wilhelms (AWI, PI in the field)

**Weather at LDC 5 pm:** sunny

**Weather at DC 5 pm:** temperature: -24°C, wind 4 knts



We did 4 runs until 19:30 today. We successfully tested a drill head with adjusting the shoes in front of the cutters to set the pitch. The drill's power consumption was slightly more varying. We processed 25 m. The PICARRO team continued processing samples at the maximum pace. In the evening the Australian traverse passed by in some distance on their way from North Patch to their old site 5 km from our LDC camp.



Spotting the Australian traverse to the – to be moved – MYIC site. Credit: F. Wilhelms ©PNRA/IPEV



Group picture at the MYIC site sign. Credit: F. Wilhelms ©PNRA/IPEV

### End of day statistics at 19:30

- Driller's depth: 2641.11 m;
- we did 4 runs till 19h30. The length of these cores was: 4.50, 4.50, 4.36, 4.34 (driller length, last run #850), for a total of 17.70 m;
- Logger's depth: 2637.57 m
- Current processing depth: 2570 m; daily total: 25 m; season total: 981 m.

FW, JW, MH, 26.12.2024

