

Little Dome C

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

Situation Report 6, 22. November 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

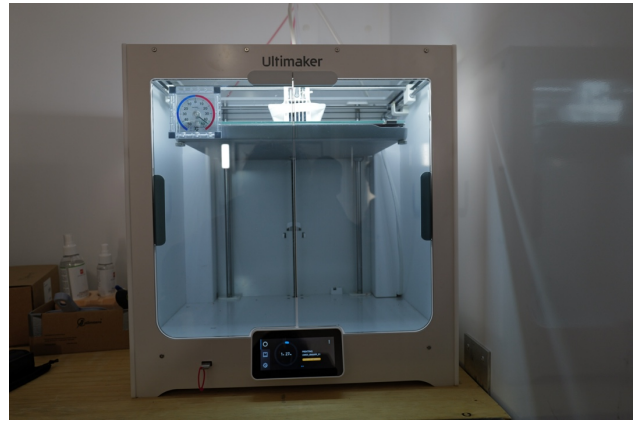
Weather at DC 5 pm: temperature: -49°C, wind 4 knts



Today, we continued preparing the skiway and prepared the rubbish for retrograde to Concordia. The PICARRO was remotely calibrated. We trained more drillers and loggers and did four drill runs to at least 4.50 m. In the science trench, routine processing continued and we processed 28 bags/meters.



Inès making an inventory of the emergency kits.
Credit: F. Wilhelms ©PNRA/IPEV



One of the warmest places in camp: The 3D printer cabin
Credit: F. Wilhelms ©PNRA/IPEV



Taking a picture of each bag.
Credit: : F. Wilhelms ©PNRA/IPEV



Cutting the core into bags.
Credit: F. Wilhelms ©PNRA/IPEV





Packing of the core.

Credit: F. Wilhelms ©PNRA/IPEV



The liquid handling system. Credit: F. Wilhelms ©PNRA/IPEV



Unpacking cores for evaporation and equilibration in the science trench. Credit: F. Wilhelms ©PNRA/IPEV



Isotope samples waiting for the PICARRO. Credit: F. Wilhelms ©PNRA/IPEV

End of day statistics at 20:45:

- Driller's depth: 1883.74 m;
- we did 4 runs between 08h00 yesterday and 20h30. The length of these core was: 4.50, 4.51, 4.52, 4.51 (driller length), for a total of 18.04 m;
- Logger's depth: 1883.29 m
- Current processing depth: 1743 m; daily total: 28 m; season total: 48 m.

FW, JW, MH, 22.11.2024

