

Little Dome C

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

Situation Report 28, 14. 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: -32°C, wind 4 knts



Boring. We did 4 runs between 19:30 yesterday and 12:00. In the afternoon we did a filter run and recovered some fine chips, but less than for the previous filter run. Today, processing continued with 17 m. The PICARRO team continued processing samples with the autosampler. In the evening, we had pizza and celebrated reaching 2400 m, where we entered the oldest stratigraphic ice record ever retrieved.



Special cake to celebrate the 2400 m core.
Credit: J. Westhoff ©PNRA/IPEV



Celebrating core 2400, the start of the oldest stratigraphic ice ever drilled. FLTR: last row: M. Hüther, B. Seth, J. Westhoff, J. Lemburg, M. Krebs (sitting), L. Ardoin, D. Collino, G. Lawer, M. Scalet, middle row: F. Wilhelms, M. Bouchet, A. Chung, L. Soussaintjean, F. Scoto, front row: M. Leonhardt, I. Gay.
Credit: M. Leonhardt ©PNRA/IPEV

End of day statistics at 18:00:

- Driller's depth: 2406.14 m;
- we did 4 runs between 19h30 and 12h00. The length of these cores was: 4.52, 4.39, 4.45, 4.15 (driller length, last run #797), for a total of 17.51 m;
- Logger's depth: 2403.79 m
- Current processing depth: 2355 m; daily total: 17 m; season total: 736 m.

FW, JW, MH, 14.12.2024

