

Little Dome C

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

Situation Report 43, 29. 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: -27°C, wind 4 knts



We did 2 runs between 14:00 and 19:30 today. The PICARRO team continued processing samples at the maximum pace. As all our shelves are filled with core from below 2584 m, the cave team built a further shelf to store the freshly drilled core. We also unloaded the Sfusi sled and sorted the empty ice core boxes. Around noon the Australian traverse left.



The night stop of the Australian traverse close to LDC.
Credit: G. Lawer ©PNRA/IPEV



The Australian traverse, LDC in the background.
Credit: G. Lawer ©PNRA/IPEV



The Australian traverse leaving. Credit: G. Lawer ©PNRA/IPEV



Sorting boxes on a Sunday afternoon.
Credit: F. Wilhelms ©PNRA/IPEV



End of day statistics at 19:30

- Driller's depth: 2698.98 m;
- we did 2 runs between 14h00 and 19h30 today. The length of these cores was: 4.51, 4.35 (driller length, last run #863), for a total of 8.86 m;
- Logger's depth: 2695.31 m
- Current processing depth: 2594 m; daily total: 0 m; season total: 1005 m. DEP processing: 2658 m; daily total: 0 m; season total: 1069 m

FW, JW, MH, 29.12.2024

