

## Little Dome C

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

Situation Report 24, 10. 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:** cloudy, overcast

**Weather at DC 5 pm:** temperature: -26.5°C, wind 5 knts



Boring. We did 7 maximal long runs between 19:30 yesterday and 19:30 today. Today, processing continued with 17 m and 36 m DEP scanned ice-cores from last year's brittle zone during the past days. The PICARRO team continued processing samples with the auto sampler.



During the afternoon we got thin low clouds, the sun still being visible. Credit: F. Wilhelms ©PNRA/IPEV



Federico and Marie happily enjoying the freedom by the working autosampler in the PICARRI system. Credit: F. Wilhelms ©PNRA/IPEV

### End of day statistics at 19:30:

- Driller's depth: 2300.80 m;
- we did 7 runs between 19h30 and 19h30. The length of these cores was: 4.51, 4.52, 4.51, 4.52, 4.515, 4.52, 4.52 (driller length, last run #773), for a total of 31.615 m;
- Logger's depth: 2298.47 m
- Current processing depth: 2252 m; daily total: 17 m; brittle zone (bag 843–878) total during the past days: 36 m; season total: 591 m.

FW, JW, MH, 10.12.2024

