

Little Dome C

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

Situation Report 52, 07. January 2025

Personnel @LDC:

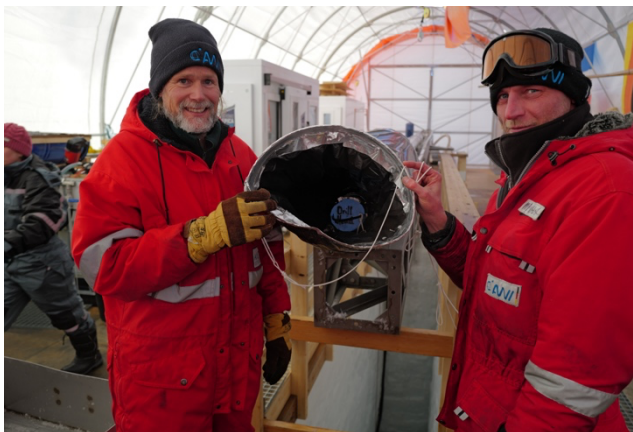
Lisa Ardoin (ULB), Marie Bouchet (CNRS), Ailsa Chung (CNRS), Danilo Collino (ENEA, Camp Leader), Inès Gay (IPEV), Matthias Hüther (AWI, Chief Driller), Manuela Krebs (AWI), Gunther Lawer (AWI), Johannes Lemburg (AWI), Martin Leonhardt (AWI), Michele Scalet (ENEA), Federico Scoto (CNR), Barbara Seth (UNIBE), 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: -29.5°C, wind 8 knts



We did 4 runs between 19:30 yesterday and 19:30 today. To only have to prepare one cutter, we switched to a drill head with one cutter and flat ground cutters as shoes at the two other cutter positions. We installed one of the deadweights to compensate for the lighter shorter drill. No core was processed as we only had few meters from two days before, they will be pooled and processed with the core from the following days. The PICARRO team continued processing samples at the maximum pace.



The plug at the lower end of the core barrel.  
Credit: F. Wilhelms ©PNRA/IPEV



Shielding the top of the cover with a spinner bag, which is actually a French mail bag. Credit: F. Wilhelms ©PNRA/IPEV



Unlatching the core barrel and putting a top plug. Shielded in the dark with a paper bag. Credit: F. Wilhelms ©PNRA/IPEV



Pushing out the core in the red-light.  
Credit: F. Wilhelms ©PNRA/IPEV



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

- Driller's depth: 2800.66 m;
- we did 4 runs between 19:30 yesterday and 19h30 today. The length of these cores was: 0.07, 0.06, 0.13, antitorque rotation, (driller length, last run #893), for a total of 0.26 m;
- Logger's depth: 2795.99 m (preliminary);
- Current processing depth: 2783 m; daily total: 0 m; season total: 1173 m.

FW, JW, MH, 07.01.2025

