

Little Dome C

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

Situation Report 10, 26. November 2024

Personnel @LDC:

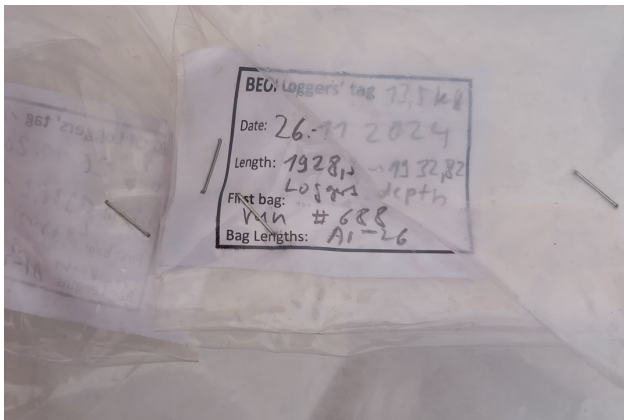
Lisa Ardoin (ULB), Marie Bouchet (CNRS), Ailsa Chung (CNRS), Danilo Collino (ENEA, Camp Leader), Inès Gay (IPEV), Matthias Hüther (AWI, Chief Driller), Manuela Krebs (AWI), Gunther Lawer (AWI), Johannes Lemburg (AWI), Martin Leonhardt (AWI), Michele Scalet (ENEA), Federico Scoto (CNR), Barbara Seth (UNIBE), 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: -33°C, wind 4 knts



Boring. We did 7 runs between 19:30 on 25.11.2024 and 26.11.2024. Processing in the trench continued for 20 more meters. The PICARRO was calibrated and tested on surface snow samples. The beams of the science trench cover started to bend under the snow load and we decided to release the load by excavating a ditch but leaving a snow wall to protect the trench from direct radiation. Processing started on the cores from this season.



Collecting drill-chips for Al-26 dating.
Credit: L. Ardoin ©PNRA/IPEV



First samples in the PICARRO. Credit: F. Scoto ©PNRA/IPEV



Excavating a ditch to remove load from the trench cover.
Credit: L. Ardoin ©PNRA/IPEV



Danilo had asked around noon, which depth we would be at dinner and hit on the spot. Credit: J. Westhoff ©PNRA/IPEV



End of day statistics at 19:30:

- Driller's depth: 1947.01 m;
- we did 7 runs between 19h30 and 19h30. The length of these cores was: 4.46, 4.525, 4.505, 4.51, 4.505, 4.515, 4.51 (driller length, last run #691), for a total of 31.53 m;
- Logger's depth: 1946.36m
- Current processing depth: 1808 m; daily total: 20 m; season total: 101 m.

FW, JW, MH, 26.11.2024

