

Little Dome C

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

Situation Report 5, 21. 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: -41.5°C, wind 4 knts



Today, we continued preparing the skiway and switched the generators. We overworked the stair of the ITASE science module, where the PICARRO is operated. We trained more drillers and loggers and did four drill runs. In the science trench, routine processing started and we processed 19 bags/meters. We are preparing a second kit of drill components to get ready for shifts. We established a WiFi-Ethernet bridge to link the PICARRO to the internet to enable remote maintenance. The remote maintenance does not work yet, and we are not sure if this is due to endpoint management software still running on the PICARRO or the long latency over the STARLINK system. Danilo pampers us with fresh bread and focaccia.



Focaccia da Danilo. Credit: I. Gay ©PNRA/IPEV

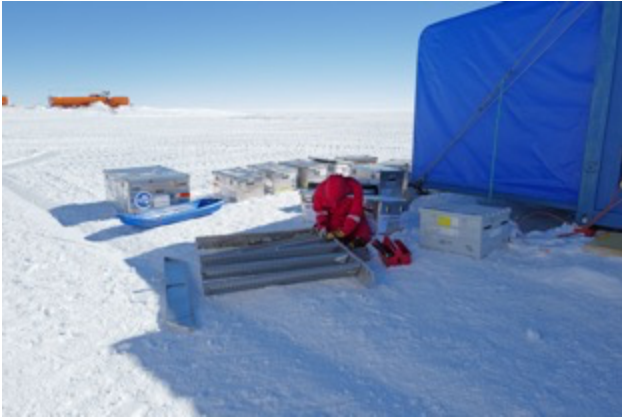


Celebration of the successful start of the science trench.
Credit: J. Westhoff ©PNRA/IPEV

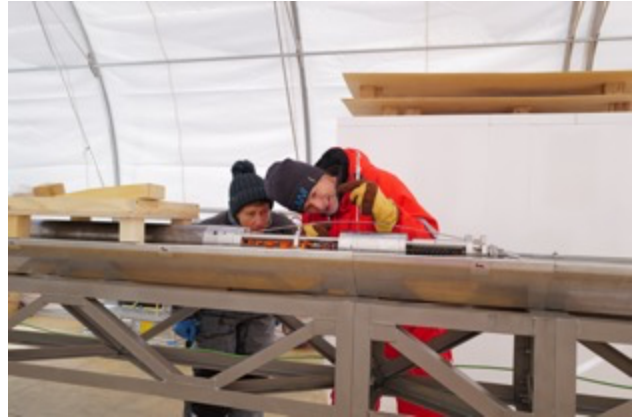


Recovering from work at -47°C in the science trench.
Credit: F. Wilhelms ©PNRA/IPEV





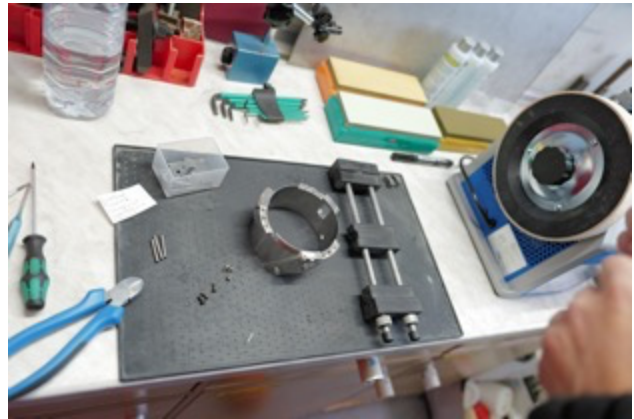
Overworking the stairs of the ITASE drill modul.
Credit: F. Wilhelms ©PNRA/IPEV



Adjusting the anti-torque. Credit: F. Wilhelms ©PNRA/IPEV



Training more loggers. Credit: F. Wilhelms ©PNRA/IPEV



Preparing spares for the drill. Credit: F. Wilhelms ©PNRA/IPEV

End of day statistics at 20:45:

- Driller's depth: 1866.21 m;
- we did 4 runs between 08h00 yesterday and 20h00. The length of these core was: 4.04, 4.515, 4.15, 4.50 (driller length), for a total of 17.205 m;
- Logger's depth: 1865.23 m
- Current processing depth: 1715 m; daily total: 19 m; season total: 20 m.

FW, JW, MH, 21.11.2024

