

Little Dome C

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

Situation Report 48, 13. January 2024

Personnel @LDC:

Saverio Panichi (ENEA, Camp Leader), Olivier Alemany (CNRS), Philippe Possenti (CNRS), Matthias Hüther (AWI), Rémi Dallmayr (AWI), Gunther Lawer (AWI), Johannes Lemburg (AWI), Andrea Ceinini (ENEA), Federico Scoto (CNR), Tamara Gerber (UCPH), Iben Koldtoft (UCPH), Julien Westhoff (UCPH), James Veale (BAS) and Inès Gay (IPEV)

Personnel @MZS

Fortunat Joos (UNIB), Michaela Mühl (UNIB)

Weather at LDC 1 pm: sunny; temp -20.3° C and wind speed: 4.2 m/s



We continue drilling in shift, getting again cores longer than 4 meters.

We also continued to clean and pack some stuff.

Processing is going well and another 9m have been analyzed and made ready for shipment to Europe.

What we did today at LDC:

- Drilling in shift;
- Processed 9 ice cores;
- Continued cleaning and packing;
- Setting up a permanent rescue solution for the drill trench.





Setting up additional security measures over the drill trench : photo : I. Gay

End of day statistics at 18h

Driller's depth: 1690.54 m. we made 6 drilling runs between yesterday 19h30 and 18h today. The length of the cores was: 4.47, 4.5, 4.39, 4.48, 4.47 and 4.5 (driller length), for a total of 26.81 meters.

Logger's depth: 1690.53 m

Current processing depth: 1636m; daily total: 9m, season total: 1312m.

OA, MH, JW, and SP, 13.01.2024

