

Little Dome C

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

Situation Report 52, 17. January 2024

Personnel @LDC:

Saverio Panichi (ENEA, Camp Leader), Olivier Alemany (CNRS), Philippe Possenti (CNRS), Matthias Hüther (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@Concordia

Rémi Dallmayr (AWI)

Personnel @MZS

Fortunat Joos (UNIB), Michaela Mühl (UNIB)

Weather at LDC 1 pm: sunny and windy ; no more weather data



We made a long filtering run tonight. Then after this run, we continued to drill in shifts.

At the same time, the closure of the camp continues, and we have prepared the scientific trench for the winter. We finished loading the sledge for the traverse to Concordia tomorrow.

What we did today at LDC:

- Drilled in shift;
- Finished closing the science trench;
- Continued packing down camp;





Figure 1: The science trench is ready for the winter: photo: J Westhoff

End of day statistics at 19h30

Driller's depth: 1795.44 m. we made 7 drilling runs between yesterday 19h30 and 19h30 today. The length of the cores was: 4.44, 4.36, 3.74, 3.93, 2.93, 4.48 and 4.5 (driller length), for a total of 28.38 meters.

Logger's depth: 1794.75 m

Current processing depth: 1695m; daily total: 0m, season total: 1367m.

OA, MH, JW, and SP 17.01.2024

