

## Little Dome C

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

Situation Report 51, 16. 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;



Despite a few minor problems, we're continuing to work on the drilling shift.

At the same time, the closure of the camp continues, and we have started to tidy up the scientific trench. Having completed the final tests on the 300-meter corer on the F2G platform, we have also started to put this equipment away.

This morning we also sent the last 29 ice core boxes to Concordia. These will be stored in the balloon cave and then loaded onto a cold flight to MZS on January 19.

As processing has finished, we are also continuing to reduce the number of people in camp, with Rémi Dallmayr leaving for Concordia.

What we did today at LDC:

- Drilling in shift;
- Continued packing the science trench;
- Continued packing the camp;
- Started packing the Grenoble shallow drill;
- Dug a snow pit for Dieter from BAS





Figure 1: digging a snow pit for Dieter from BAS: photo : J. Westhoff

End of day statistics at 19h30

**Driller's depth:** 1766.35 m. we made 7 drilling runs between yesterday 19h30 and 19h30 today. The length of the cores was: 4.45, 4.45, 4.5, 3.34, 4.56, 4.49 and 4.4 (driller length), for a total of 30.19 meters.

**Logger's depth:** 1766.11 m

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

OA, MH, JW, and SP 16.01.2024

