

Little Dome C

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

Situation Report 53, 18. January 2024

Personnel @LDC:

Saverio Panichi (ENEA, Camp Leader), Matthias Hüther (AWI), Gunther Lawer (AWI), Johannes Lemburg (AWI), Andrea Ceinini, (ENEA), Tamara Gerber (UCPH), Iben Koldtoft (UCPH), Julien Westhoff (UCPH), James Veale (BAS) and Inès Gay (IPEV)

Personnel@Concordia

Olivier Alemany (CNRS), Philippe Possenti (CNRS), Rémi Dallmayr (AWI) and Federico Scoto (CNR)

Personnel @MZS

Fortunat Joos (UNIB), Michaela Mühl (UNIB)

Weather at LDC 5 pm: sunny and windy ; no more weather data



After some minor problems with the motor section in the morning, we managed to start drilling at 10 am. We drilled 31.51 m until 7:30 pm and we will finish our last drill run of the season around midnight today.

Today we also moved more cargo to Concordia, for both winter storage and transport to Europe. The new sanitary module is back at Concordia, reducing the number of showers and toilets to one.

What we did today at LDC:

- Drilled in shift;
- Continued packing down camp;



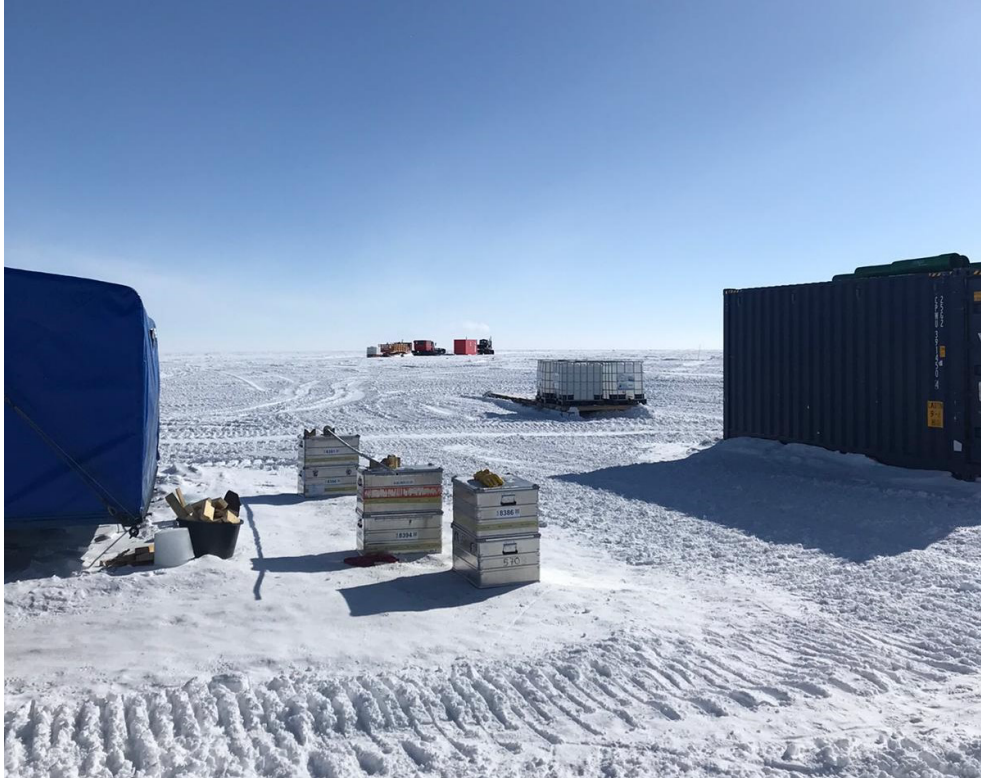


Figure 1: Cargo leaving for Concordia: photo: I Koldtoft



Figure 2 The 1000th meter of ice drilled this season. Picture: J. Veale



End of day statistics at 19h30

Driller's depth: 1827.02 m. we made 7 drilling runs between yesterday 19h30 and 19h30 today. The length of the cores was: 4.52, 4.51, 4.50, 4.54, 4.53, 4.43, 4.48 (driller length), for a total of 31.51 meters.

Logger's depth: 1826.35 m

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

OA, MH, JW, and SP 18.01.2024

