

Little Dome C

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

Situation Report 6, 2. December 2023

Personnel @LDC:

Saverio Panichi (ENEA, Camp Leader), Olivier Alemany (CNRS), Philippe Possenti (CNRS), Matthias Hüther (AWI), Remy 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), Michaela Mühl (UNIB), Fortunat Joos (UNIB), and Inès Gay (IPEV)

Weather at LDC 5 pm: sunny

Meteo at DC 5 pm: temperature: -33°C, wind: 8.3 knts



Today while part of the team continued assembling the corer, the other concentrated on the logging table and scientific trench.

What we did today at LDC:

- We did some adjustments on the horizontal saw;
- We re-calibrated the DEP, which is now operational;
- We make some fine tuning on the logging table, in order to have it perfectly aligned;
- We unload the cargo that had been transported from Concordia to LDC yesterday;
- We tidied up the workshop;
- We build some steps for make an easier access to the drill tower;
- We tested the drill motor section through the cable, and prepared a new connector to link the antitorque section;
- We removed the faulty part from the mast's piston support, and began to repair it;
- We started wiring a communication cable between the recreation tent and the science trench.



Figure 1: Matthias trying out the drill motor section: photo O. Alemany



Figure 2: Lemi and Gunther fixing the tower: photo: O.Alemany





Figure 4: Tamara, Iben, and Federico adjusting the logging table: Photo: O. Alemany.



Figure 3: Lemi and Gunther cleaning the workshop

OA, MH, JW, and SP, 02.12.2023

