

Little Dome C

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

Situation Report 7, 3. December 2023

Personnel @LDC:

Saverio Panichi (ENEA, Camp Leader), Olivier Alemany (CNRS), Philippe Possenti (CNRS), Matthias Hüther (AWI), Remi 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: cloudy

Meteo at DC 5 pm: temperature: -36°C, wind: 10.2 knts



We slowly resumed our activities on Sunday morning, continuing the actions that had been started the day before.

What we did today at LDC:

- We finished setting up the horizontal saw including the cyclone spinner for saw dust collection. It will be tested tomorrow;
- We are still busy calibrating the DEP taking into account advise from Frank in Europe;
- We finished setting up the logging table – it is now ready to receive ice cores;
- We finished repairing the mast structure (where pistons are attached);
- We tested again mast tilting and tower alignment with the borehole;
- We are still working on the electrical connections on the antitorque section;
- We are wiring two communication cables between the recreation tent and the science trench for continuous temperature monitoring;
- We rewired the small extraction table winch;
- We finished to set up the FED on the extraction table;
- We re-aligned the extraction table with the tilting tower.





Figure 1: Matthias, Philippe and James aligning the extraction table: photo O. Alemany



Figure 2: the repaired weldment on the mast frame

OA, MH, JW, and SP, 03.12.2023

