

Little Dome C

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

Situation Report 1, 27. November 2023

Personnel @LDC:

Saverio Panichi (ENEA, Camp Leader), Olivier Alemany (CNRS), Matthias Hüther (AWI), Andrea Ceinini, (PNRA), Federico Scoto (CNR), Julien Westhoff (UCPH), James Veale (BAS) and Ines Gay (IPEV)

Personnel @MZS:

Tamara Gerber (UCPH), Iben Koldtoft (UCPH), Michaela Muehl (UNIB), Fortunat Joos (UNIB), Remy Dallmayr (AWI), Gunther Lawer (AWI), Johannes Lemburg (AWI) and Philippe Possenti (CNRS)

Weather at LDC 5 pm: sunny

Meteo at DC 5 pm: T = -44°C, Wind = 10.2 knt



Saverio, Andrea and Federico came last week at LDC to open the camp, and move the snow around the tents.

One part of the team flew on Thursday 23rd of November from MZS to Concordia, and after three days semi-isolation in tents (Covid procedure) we moved to LDC on Sunday 26th of November.

The team at LDC is now: Ines Gay (nurse IPEV), Saverio Panichi (PNRA), Andrea Ceinini, (PNRA), Federico Scoto (PNRA), Matthias Hüther (AWI), Julien Westhoff (UCPH), James Veale (BAS), and Olivier Alemany (CNRS).

The other half of the team; i.e. eight people: Tamara Gerber (UCPH), Iben Koldtoft (UCPH), Michaela Muehl (UNIB), Fortunat Joos (UNIB), Remy Dallmayr (AWI), Gunther Lawer (AWI), Johannes Lemburg (AWI), and Philippe Possenti (CNRS) are still at MZS. They were supposed to fly on Sunday 26th of November, but due to technical problems of the Basler, the flight has been postponed to Thursday 28th of November.

The team at little Dome C have had quite a productive day:

- We started with a small tour of the camp;
- We unloaded all the boxes and stuff from the sledge;
- We emptied the +4°C container (where all the electric-electronic devices were stored during winter);
- We opened the roof of the drill tent (in order to make mast tilting possible), then disassembled the scaffolding needed to open the roof top;
- We made access to the under-snow core-buffer and core processing line and started to empty the core through shelves. We also checked the temperatures in this trench, thanks to a temperature logger which has been installed there last season;
- We started plugging electrical equipment in the drill tent (such as winch driver, cabins heaters...);
- And we re-aligned the logging table and installed the vertical saw.



Group photo of the team at LDC:



BEIOC team at LDC opening the ice core science line: FLTR: Scoto, Panichi, Ceinini, Alemany, Hüther, Gay, Veale and Westhoff. Photo: F. Scoto.

OA, MH JW and SP, 27.11.2023

