

Little Dome C

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

Situation Report 43, 08. January 2024

Personnel @LDC:

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

Personnel@MZS

Michaela Mühl (UNIB),

Weather at LDC 1 pm: windy; temp -21.4° C and wind speed: 5.2 m/s



As yesterday, drilling in shift continues in a stable mode.

We had a visit from our Australian colleagues and neighbors, who took part in a pizza party and visited our camp.

Processing is going well and another 40m have been analyzed and made ready for shipment to Europe.

What we do today at LDC:

- Drilled in shift;
- Processed 40 ice cores;
- We successfully tested the dual tube snow sampler;
- We get through bag 1500 at processing and through run 600 at drilling;
- Prepared pizza for more than 25 persons;



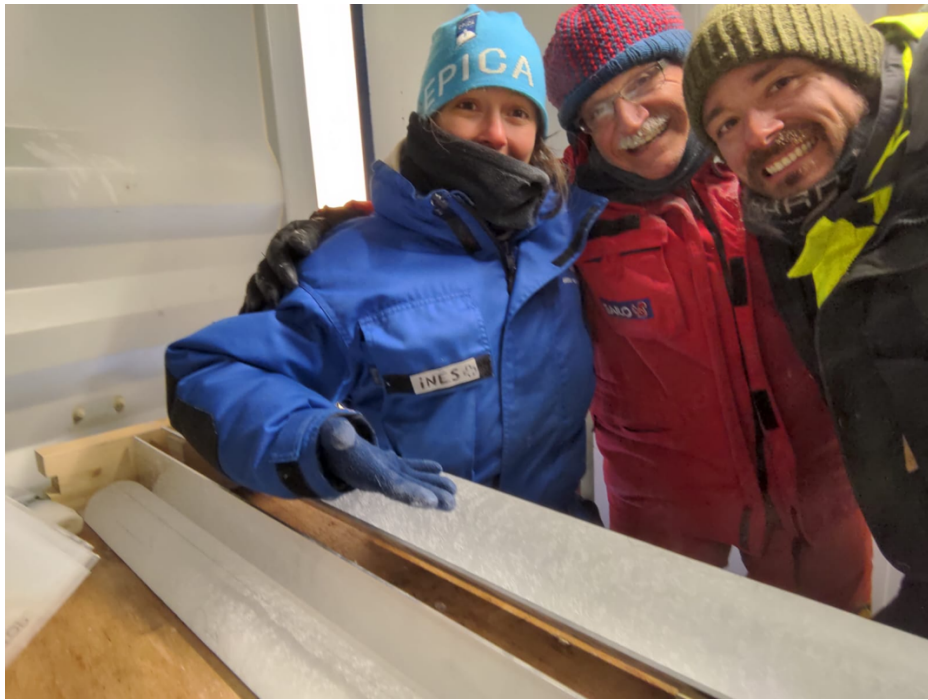


Figure 1: processing bag 1500: photo : J. Westhoff





Figure 2: driller and logger of run 600: photo T. Gerber





Figure 3: testing the dual tube sampler: photo : F. Scoto

End of day statistics at 19h30

Driller's depth: 1569.24 m. we made 8 runs between yesterday 19h30 and 19h30 today. The length of the cores was: 4.4, 4.4, 4.20, 4.41, 4.44, 4.38, 2.25 and 4.43 (driller length), for a total of 32.91 meters.

Logger's depth: 1569.75 m

Current processing depth: 1515m, daily total: 40m, season total: 1191m.

OA, MH, JW, and SP, 08.01.2024

