

Little Dome C

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

Situation Report 49, 14. 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) and Inès Gay (IPEV)

Personnel @MZS

Fortunat Joos (UNIB), Michaela Mühl (UNIB)

Weather at LDC 1 pm: sunny; temp -17.9° C and wind speed: 5.2 m/s



Yesterday evening we enjoyed a nice pizza party at LDC. Which was probably our last Saturday at LDC. This morning we continue drilling in shift, getting again cores longer than 4 meters.

Processing is going well and another 33m have been analyzed and made ready for shipment to Europe.

What we did today at LDC:

- Drilling in shift;
- Processed 33 ice cores;





Figure 1: preparing pizza for saturday evening: photo : O. Alemany

End of day statistics at 19h30

Driller's depth: 1708.44 m. we made 4 drilling runs between this morning 11h and 19h30 today. The length of the cores was: 4.43, 4.5, 4.44 and 4.49 (driller length), for a total of 17.86 meters.

Logger's depth: 1703.83 m

Current processing depth: 1668m; daily total: 33m, season total: 1345m.

OA, MH, JW, and SP, 14.01.2024

