

Little Dome C

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

Situation Report 38, 03. January 2024

Personnel @LDC:

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Personnel @Concordia

Michaela Mühl (UNIB), Federico Scoto (CNR)

Weather at LDC 1 pm: sunny ; temp -20°C and wind speed : 1.5 m/s



After a difficult start yesterday, we have had quite a stable drilling mode, enabling us once again to obtain cores over four meters long.

Same in the science trench, after some problems yesterday, the day has been easier and processing is going well.

What we do today at LDC:

- Drilled in shift;
- Processed 27 ice cores;
- Did some BAS geophysical measurements;
- Some science activities at Concordia





Figure 1: Getting through 1400 meters : photo : I. Koldtof

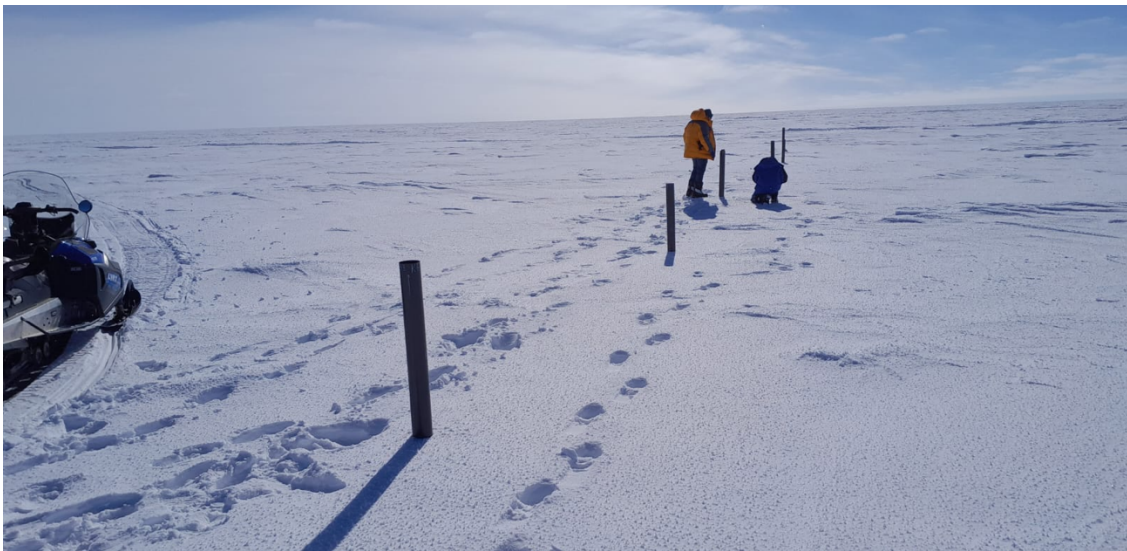


Figure 2: Making some snow prelevment around LDC : photo : R. Dallmayr



End of day statistics at 19h30

Driller's depth: 1414.08m. we made 7 runs between 19h30 yesterday and 19h30 today. The length of the cores was: 4, 4.17, 4.24, 4.49, 4.43, 4.18, 4.56, and 4.63 (driller length), for a total of 34.7 meters.

Logger's depth: 1415.37m

Current processing depth: 1388m, daily total: 27 m, season total: 1062 m.

OA, MH, JW, and SP, 03.01.2024

