

Little Dome C

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

Situation Report 26, 12. December 2024

Personnel @LDC:

Lisa Ardoin (ULB), Marie Bouchet (CNRS), Ailsa Chung (CNRS), Danilo Collino (ENEA, Camp Leader), Inès Gay (IPEV), Matthias Hüther (AWI, Chief Driller), Manuela Krebs (AWI), Gunther Lawer (AWI), Johannes Lemburg (AWI), Martin Leonhardt (AWI), Michele Scalet (ENEA), Federico Scoto (CNR), Barbara Seth (UNIBE), Lison Soussaintjean (UNIBE), Julien Westhoff (UCPH, Chief Scientist), Frank Wilhelms (AWI, PI in the field)

Weather at LDC 5 pm: cloudy

Weather at DC 5 pm: temperature: -29°C, wind 3 knts



Boring. We did 7 runs between 19:30 yesterday and 19:30. Today, processing continued with 32 m and 6 m DEP scanned ice-cores from last year's brittle zone. The PICARRO team continued processing samples with the auto sampler.



Halo last night.

Credit: G. Lawer ©PNRA/IPEV



Surface structure on the snow.

Credit: G. Lawer ©PNRA/IPEV

End of day statistics at 19:30:

- Driller's depth: 2361.80 m;
- we did 7 runs between 19h30 and 19h30. The length of these cores was: 4.35, 4.31, 4.47, 4.45, 3.505, 4.25, 4.52 (driller length, last run #787), for a total of 29.855 m;
- Logger's depth: 2359.58 m
- Current processing depth: 2307 m; daily total: 32 m; daily brittle zone total: 6 m (bag 897-902); season total: 670 m.

FW, JW, MH, 12.12.2024

