

Little Dome C

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

Situation Report 31, 17. December 2024

Personnel @LDC:

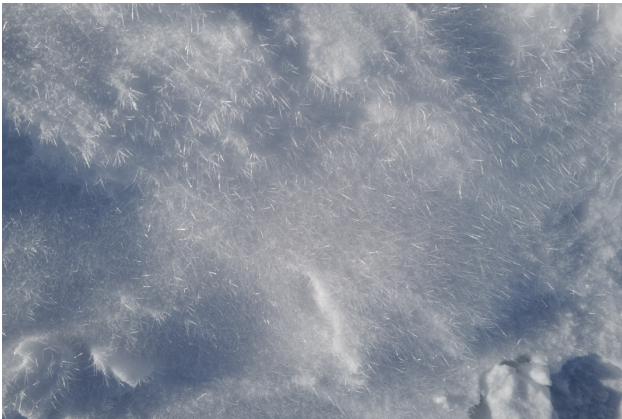
Lisa Ardoin (ULB), Marie Bouchet (CNRS), Ailsa Chung (CNRS), Danilo Collino (ENEA, Camp Leader), Inès Gay (IPEV), Matthias Hüther (AWI, Chief Driller), Manuela Krebs (AWI), Gunther Lawer (AWI), Johannes Lemburg (AWI), Martin Leonhardt (AWI), Michele Scalet (ENEA), Federico Scoto (CNR), Barbara Seth (UNIBE),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

Weather at LDC 5 pm: sunny

Weather at DC 5 pm: temperature: -32.5°C, wind 3 knts



We did 6 runs between 19:30 yesterday and 19:30 today. Today, processing continued with 17 m and 12 m from the brittle zone. The complete core of last year is processed, and the DEP record is now complete. The PICARRO team continued processing samples at the pace of processing with the autosampler. We received a party from Concordia who repaired one of the generators. Thank you!



Huge needle-shaped Crystals at the South side of the drill tent.
Credit: F. Wilhelms ©PNRA/IPEV



Today we finished processing the brittle zone. The storage container is empty. Credit: J. Westhoff ©PNRA/IPEV

End of day statistics at 19:30

- Driller's depth: 2472.53 m;
- we did 6 runs between 19h30 and 19h30. The length of these cores was: 4.53, 4.52, 4.52, 4.51, 4.50, 4.52 (driller length, last run #812), for a total of 27.10 m;
- Logger's depth: 2469.47 m
- Current processing depth: 2420 m; daily total: 17 m; daily brittle zone total: 12 m (bag 939–950); season total: 841 m.

FW, JW, MH, 17.12.2024

