

Little Dome C

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

Situation Report 36, 22. December 2024

Personnel @LDC:

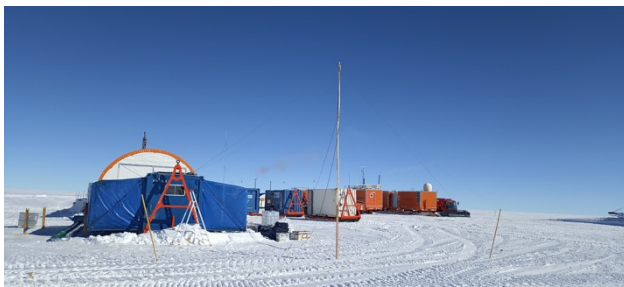
Lisa Ardoin (ULB), Marie Bouchet (CNRS), Ailsa Chung (CNRS), Danilo Collino (ENEA, Camp Leader), Inès Gay (IPEV), Matthias Hüther (AWI, Chief Driller), Manuela Krebs (AWI), Gunther Lawer (AWI), Johannes Lemburg (AWI), Martin Leonhardt (AWI), Michele Scalet (ENEA), Federico Scoto (CNR), Barbara Seth (UNIBE), 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: -28°C, wind 4 knts



We did 2 runs between 14:00 and 19:30 today. Today, processing took a break to collect more information on the properties of the lowermost ice. The PICARRO team continued processing at the maximum pace. Riccardo, Carla, Samuele, Luca and Andrea from Concordia visited us. Danilo managed to contact European radio amateurs with a simple dipole antenna and a 100 W radio transmitter. This was possible in the middle of the night and after moving the antenna several times to get rid of the electrical noise by the generator. He activated a radio amateur station "LDC" attached to his call sign IA0/IZ1KHV



The dipole in its – finally – successful location behind the workshop.

Credit: D. Collino ©PNRA/IPEV



Yet another celebration in the science trench.

Credit: J. Westhoff ©PNRA/IPEV

End of day statistics at 19:30

- Driller's depth: 2579.33 m;
- we did 2 runs between 14h00 and 19h30. The length of these cores was: 4.515, 4.39 (driller length, last run #836), for a total of 8.905 m;
- Logger's depth: 2576.05 m
- Current processing depth: 2526 m; daily total: 0 m; season total: 937 m.

FW, JW, MH, 22.12.2024

