

Little Dome C

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

Situation Report 21, 07. December 2024

Personnel @LDC:

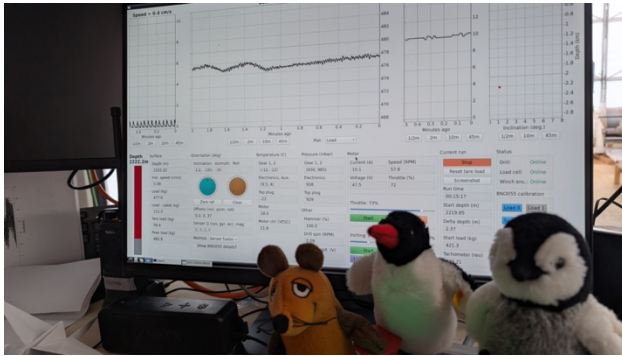
Lisa Ardoin (ULB), Marie Bouchet (CNRS), Ailsa Chung (CNRS), Danilo Collino (ENEA, Camp Leader), Inès Gay (IPEV), Matthias Hüther (AWI, Chief Driller), Manuela Krebs (AWI), Gunther Lawer (AWI), Johannes Lemburg (AWI), Martin Leonhardt (AWI), Michele Scalet (ENEA), Federico Scoto (CNR), Barbara Seth (UNIBE), 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 5 knts



Boring. We did 6 runs between 19:30 yesterday and 16:00 today. The morning shift passed 2222.22 m. Today, processing continued with 17 m. The PICARRI setup with one PICARRO controlling the autosampler and vaporizer and the other one measuring did not work. Right now, samples are measured by manual injection every six minutes. During the afternoon four members of the LEGACI project came over by Arctic Truck.



The morning shift passing 2222.22 m.

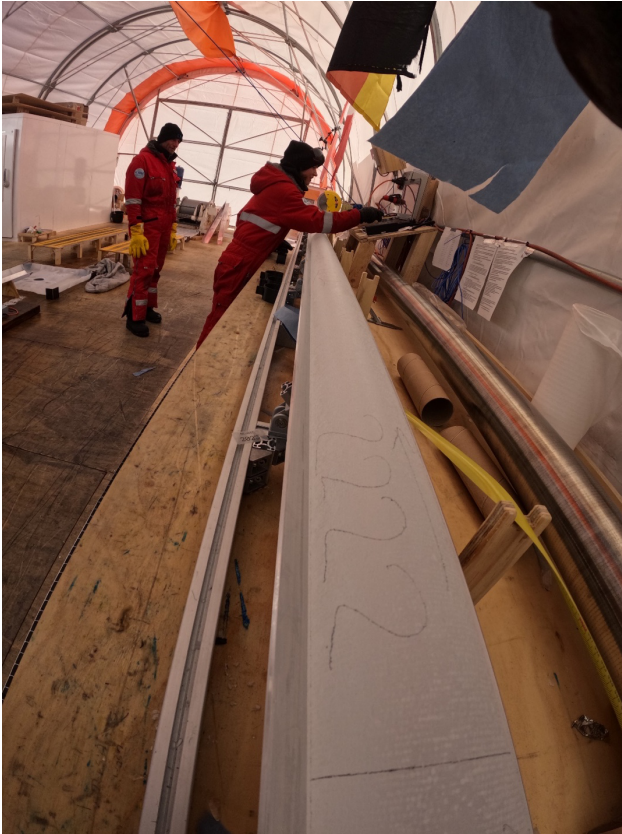
Credit: G. Lawer ©PNRA/IPEV



LEGACI staff visiting the drill tent FLTR: Alexander Ihle, Jay Johnson, Vas Petrenko, Julien Westhoff, Estelle Vincent.

Credit: F. Wilhelms ©PNRA/IPEV





Manuela and Martin logging core 2222.
Credit: J. Westhoff ©PNRA/IPEV



Later during the evening, we received a beautiful halo. Credit: G. Lawer ©PNRA/IPEV

End of day statistics at 16:00:

- Driller's depth: 2237.70 m;
- we did 6 runs between 19h30 and 16h00. The length of these cores was: 4.515, 4.51, 4.505, 4.53, 4.52, 4.53 (driller length, last run #758), for a total of 27.11 m;
- Logger's depth: 2235.83 m
- Current processing depth: 2180 m; daily total: 17 m; season total: 483 m.

FW, JW, MH, 07.12.2024

