Little Dome C

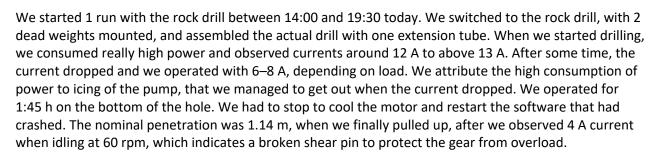
Beyond EPICA Oldest Ice Drilling Site (75.29917 °S, 122.44516 °E)

Situation Report 57, 12. January 2025

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: -30°C, wind 6 knts





Mounting the 2nd dead weight. Credit: F. Wilhelms ©PNRA/IPEV



Testing the pump action in a bucket with drill liquid. Credit: F. Wilhelms ©PNRA/IPEV







Mounting the rock drill string. Credit: F. Wilhelms ©PNRA/IPEV



The assembled rock drill on the tower. FLTR: the outer core barrel, joint to the extension tubes, extension tube with brass centering ring, upper tube with super banger centering brass piece, super banger adaptor mount with milled pass-way and a part of the pump. Credit: F. Wilhelms ©PNRA/IPEV



The tip of the rock drill. FLTR: the grey drill head with hard inserts, the golden reamer with diamond impregnated patches, the outer core barrel and partly visible the connection to the tubing. Credit: F. Wilhelms ©PNRA/IPEV



The complete rock drill on the tower. Credit: F. Wilhelms ©PNRA/IPEV



Sorting and packing all the small pieces that broke off the ice cores throughout the season. Credit: J. Westhoff ©PNRA/IPEV

End of day statistics at 19:30

• Driller's depth: 2804.69 m; rock drill ca. 2805.28 m;



- we started 1 rock drill run between 14:00 and 19h30 today. The length of these cores was: no core (driller length, last run underway RD #1), for a total of 0.0 m;
- Logger's depth: 2799.83 m (preliminary);
- Current processing depth: 2795 m; daily total: 0 m; season total: 1185 m.

FW, JW, MH, 12.01.2025

