

Little Dome C

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

Situation Report 14, 30. November 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: -33°C, wind 6 knts



Danilo and Michele left early for Concordia station with the 37 ice-core boxes we had loaded the evening before. At Concordia station, twelve colleagues from the technical team joined them in stowing the boxes into the balloon cave. Thank you very much in the name of the entire BEOI team! Around 17:00, Danilo and Michele returned to Little Dome C with the "sfusi" sled filled with core boxes.

Boring. We did 5 runs between 19:30 and 15:00 and stopped for the weekend. Processing in the trench continued for 24 more meters and stopped for the weekend at lunch time. The PICARRO runs fine.

We had a cozy pizza dinner together and continued the evening with conversations over a drink. Over the course of the evening, a growing group sang karaoke songs together.



The archive boxes in the balloon cave.
Credit: D. Collino ©PNRA/IPEV



Moving boxes into the balloon cave
Credit: D. Collino ©PNRA/IPEV



Danilo and Davide. Credit: D. Collino ©PNRA/IPEV



The far end of the balloon cave. Credit: D. Collino ©PNRA/IPEV





Pizza party. Credit: J. Westhoff/M. Hüther ©PNRA/IPEV



Barbara baked a cake for the shower module heroes.
Credit: J. Westhoff/M. Hüther ©PNRA/IPEV



Easy to sing common text. Credit: F. Wilhelms ©PNRA/IPEV

End of day statistics at 15:00:

- Driller's depth: 2059.74 m;
- we did 5 runs between 19h30 and 15h00. The length of these cores was: 3.16, 4.48, 4.09, 4.175, 4.49 (driller length, last run #717), for a total of 20.395 m;
- Logger's depth: 2058.41 m
- Current processing depth: 1953 m; daily total: 24 m; season total: 258 m.

Over the past reports some miscalculations appeared, which we realized, as production for processing seemed too low.

The correct figures are:

Report no.	Date	daily total	season total
4	20.11.24	1	1
5	21.11.24	19	20
6	22.11.24	28	48
7	23.11.24	15	63
8	24.11.24	0	63
9	25.11.24	30	93
10	26.11.24	20	113
11	27.11.24	32	145
12	28.11.24	36	181
13	29.11.24	53	234

FW, JW, MH, 30.11.2024

