

Little Dome C

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

Situation Report #27; Thursday 29 December 2022

Personnel @LDC:

Saverio Panichi (ENEA, Camp Leader), Frank Wilhelms (AWI, Chief Driller), Robert Mulvaney (BAS, Chief Scientist), Giuditta Celli (ENEA), Romilly Harris Stuart (LSCE), Matthias Hüther (AWI), Gunther Lawer (AWI), Johannes Lemburg (AWI), Martin Leonhardt (AWI), Michele Scalet (ENEA), Julien Westhoff (NBI), Andrea de Vito (ENEA)

Personnel @DC: Markus Grimmer (UNIBE), Florian Krauss (UNIBE)

Weather at LDC 5 pm: sunny, 3 to 5 knots, 643 hPa

Meteo at DC 5 pm: T = -34°C, Wind = S, 5 knots, Wind Chill T = -45°C



Disappointing drilling continues; pizza night cheers us up

Another day of struggling to make progress with the drilling – we are still failing to find a drill configuration that penetrates the ice. We're all a little puzzled now.

But Saverio suggested pizzas for dinner tonight, so we made the most of the occasion by ending one shift 30 minutes early and starting the next a little late in order that we could all eat together. Nothing like a pizza in company for raising morale!



Saverio gets help making the pizzas from (left to right) Andreas, Giuditta, Julien, Michele and Saverio. (Photo: Mulvaney, Leica SL2-S, 36mm, 1/80, f78 ISO1000)





Michele cuts up one of the seven pizzas while Giuditta looks on. In the foreground in a very rare commodity – the only bottle of Coca Cola we’ve seen this season. (Photo: Leonhardt, Leica SL2-S, 24mm, 1/50, f7.1, ISO400)

End of day statistics:

Individual runs of the drill were recorded as: 0.37, 0.20, 0.0, 0.0, 0.71, 1.38, 1.43, 0.0, 0.0, 0.0, 0.0 m

Drillers’ depth: 380.45 m; daily total 4.25 m

Loggers’ depth: 385.17 m; daily total 4.11 m

Processors’ depth: 217.00 m; daily total 30 m

RM and FW, 02 Jan 2023

