

Little Dome C

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

Situation Report #32; Tuesday 03 January 2023

Personnel @LDC:

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

Personnel @DC:

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

Meteo at DC 5 pm: T = -35°C, Wind = Vrb, 5 knots, Wind Chill T = -46°C



*We say goodbye to Giuditta, and hello to Florian and Markus*

Another good day, with ten runs totaling 28 m of ice cores.

Today we said goodbye to Giuditta who is returning to Concordia for a while. Replacing her will be Florian and Markus who came over from Concordia to join the drilling team and will for the time being replace Giuditta on the late shift. Florian and Markus cannot work on the processing at Concordia at present due to a problem with the ice core lab there. The shifts are now Martin, Romilly and Robert on the early shift, and Gunther, Julien, Markus, and Florian on the late shift.



Giuditta (right) and Romilly (left) with bag number 424 on the cutting bench. The break in the ice is the join between two runs of the drill. (Photo: Mulvaney. Leica Q2, 28mm, 1/250, f11, ISO1250)



End of day statistics:

Individual runs of the drill were recorded as: 2.74, 3.27, 0.25, 2.68, 2.85, 3.14, 3.43, 3.43, 3.08, 3.08 m

Drillers' depth: 466.70 m; daily total 28.26 m (discrepancy noted, and appears to be an error on the cable spooled depth; total core lengths recorded add to 27.95 m, similar to loggers' total)

Loggers' depth: 471.03 m; daily total 27.87 m

RM and FW, 05 Jan 2023

