

Little Dome C

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

Situation Report #36; Sunday 08 January 2023

Personnel @LDC:

Saverio Panichi (ENEA, Camp Leader), Frank Wilhelms (AWI, Chief Driller), Robert Mulvaney (BAS, Chief Scientist), 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: Giuditta Celli (ENEA)

Weather at LDC 5 pm: sunny, 3-5 knots, 644 hPa

Meteo at DC 5 pm



Slow Sunday-morning start to the day; Sunday afternoon drive in the PistenBully

As it was Sunday morning, we started the drilling little later, but made six good long runs by the end of the day, all over 3 m in length, to finish with nearly 21 m of core and break through the 600 m mark.

During the afternoon, while not drilling, Martin and Robert took the PistenBully to set up a further two geophysics survey sites. Martin is our drone pilot and takes some great aerial photos and videos.



Martin and Robert with the PB300 at a GPS survey station R-1.5. (Photo: Leonhardt, DJI Mavic Pro 3 drone with L2D-20C camera, 12mm, 1/320, f2.8, ISO100)



End of day statistics:

Individual runs of the drill were recorded as: 3.33, 3.24, 3.50, 3.48, 3.55, 3.51 m

Drillers' depth: 602.49 m; daily total 20.75 m

Loggers' depth: 606.41 m; daily total 20.44 m

RM and FW, 10 Jan 2023

