

Little Dome C

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

Situation Report #4, 20. November 2025

Personnel @LDC:

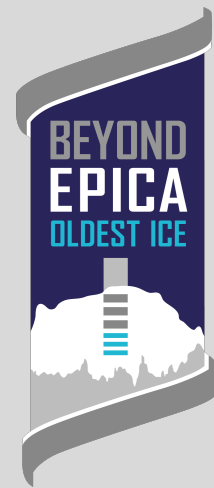
Gianluca Bianchi Fasani (ENEA, Camp Leader), Katrin Ederer (AWI), Matthias Hüther (AWI, Chief Driller), Marion Lahuec (IPEV), Gunther Lawer (AWI), Johannes Lemburg (AWI), Barbara Seth (UNIBE), Mohammad Vafadarmianvelayat (AWI), Chiara Venier (CNR-ISP), Sergio Zannini (ENEA)

Personnel @DC:

Philippe Possenti (CNRS), Carlo Barbante (UNIVE, CNR-ISP, PI in the field)

Weather at LDC: sunny; windy and cold

Meteo at DC 10 am: T = -30.5°C, Wind speed = 10 kt, Windchill T = -44.5°C, Humidity = 67 %



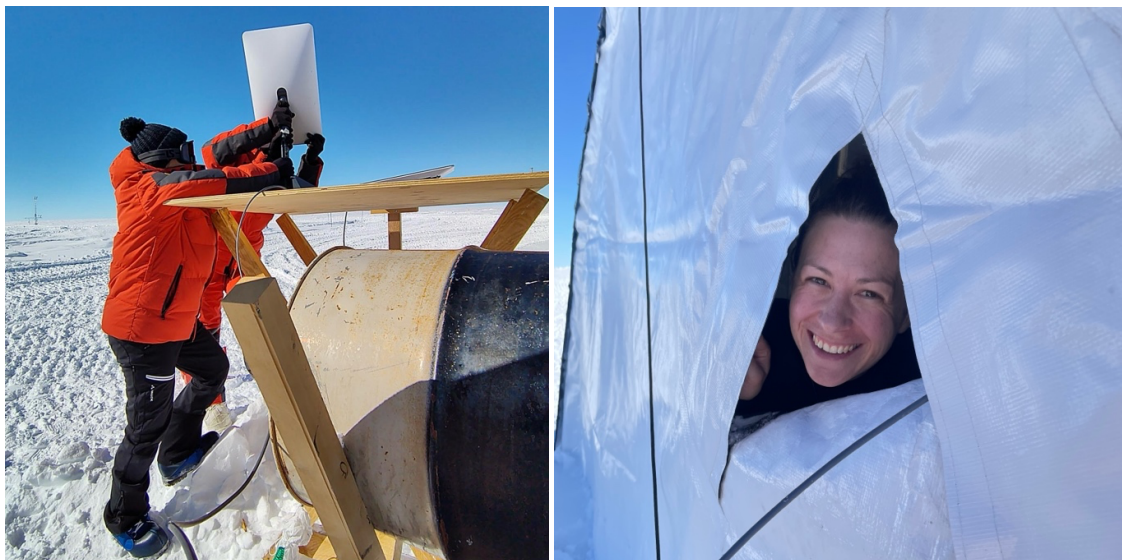
We all had a very busy day and a lot of tasks have been fulfilled. From the logistic side, first thing in the morning was to empty the waste water tank of the shower module. Further, oil and fuel was refilled in the SDMO generator. In order to enable the Basler to land here in LDC in case of emergency the landing strip was prepared. We installed the Danish Starlink antenna and the network in the tents. For most of us the last medical checks were carried out. Many boxes were moved by many hands all over the camp and unpacked. At lunchtime we had a quick visit from Concordia with a PB; Ivan and Milena brought us food from Concordia improved the quality of the road between Concordia and LDC which we really appreciate! While we enjoyed a delicious lunch, Milena helped a lot in the ITASE module. We set up the audio and video system in the main tent. On the logging computers the MatLab was set up for which we had a video call with Iben in Copenhagen to renew the licence. A lot of activity took place in and around the drill tent today. The 1 m drill was assembled, and the piston pump was set up. Further, the electronics for the winch was set up. The drill cabin is now fully operational, the winch control is working, the software works and the tower operation works. The rescue equipment in the drill tent was tested. And finally, we started with the preparation of putting the Danish mini-logger into operation and the work continued after dinner. Gianluca treated us again with a delicious meal and fresh Kiwi brought by Ivan and Milena.



Left: Sergio is grooming the landing strip for emergency flights. Right: Sergio and Gianluca getting fuel for the SDMO generator.

Photos: C. Venier;





Chiara, Barbara and Katrin setting up the Danish Starlink antenna outside and inside the main tent. Photos: K. Ederer and B. Seth



Gunther setting up the electronics in the drillers' cabin. Photo: B. Seth





Everybody is busy: Lemmi and Katrin in the workshop, Mohammad with the Danish mini-logger, Marion doing the medical checks, Chiara and Barbara and Iben with MatLab on the logger computer, and Matthias in the electronic workshop.
Photos: B. Seth and C. Venier

GBF, BS & MH; LDC, 20.11.2025

