

Little Dome C

Beyond EPICA Oldest Ice Drilling Site (75.29917 °S, 122.44516 °E) – Season 2022/23

Situation Report #06, 08 December 2022

Personnel @LDC:

Romain Duphil (IGE), Romilly Harris-Stuart (LSCE), Gunther Lawer (AWI), Matthias Hüther (AWI), Julien Westhof (UCPH), Martin Leonhardt (AWI), Frank Wilhelms (AWI), Giuditta Celli (UNIVE, ISP), Johannes Lemburg, (AWI), Rob Mulvaney (BAS), Saverio Panichi (ENEA), Michele Scalet (ENEA), Andrea Devito (ENEA)

Personnel @DC:

Markus Grimmer (UNIBE), Florian Krauß (UNIBE)

Weather at LDC 5 pm: sunny

Meteo at DC 5 pm: T = - °C, Wind = - knt, Wind Chill T = - °C



Good progress in Concordia labs today. Markus and Florian installed the Swiss saw in the cold lab and made the first tests on the motor and electronic. They also prepared an artificial ice core that will be cut tomorrow to test the alignment of the metal guides and tune the cutting. Another very productive day in LDC too as you can see from the tasks accomplished today. The logistic teams in Concordia and MZS are simply marvelous; they organized the shipment of the cargo from New Zealand to LDC in an amazing short time. This is Antarctica!

What we did today:

- calibrated load cell
- worked on electrical installations
- put Ultimaker operational
- worked on liquid system
- welded slush-pan
- changed fitting for FED
- moved Viessmann workshop cabin towards wall
- training in core-logging carried out
- working on curtains for core- buffer
- core-boxes from Concordia sorted and stowed away





Left: the artificial ice core prepared by Florian and Markus to test the Swiss saw. On the background the old glorious EPICA workshop in Concordia. Ingenious scientists at work calibrating the load cell.

FW & RM, 08.12.2022

