

**Little Dome C**

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

**Situation Report #16, 18 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



We are still in a solving problem mode here in LDC. We are now installing a blend configuration with part of the AWI drill and the CPH drill. This requires a lot of programming in order to have the right power control. We are also working on the antitorque control.

What we did today:

- mounted second electronics: blocked hinge in electronics section
- sharpened antitorque blades
- opened electronics and identified broken gearbox.
- full polarisation ApRES with 16 permutations of antenna configuration
- further short cores from photogrammetry array
- processed ice core at DC

Drillers depth: 181.34 m

DeltaD: 0 m

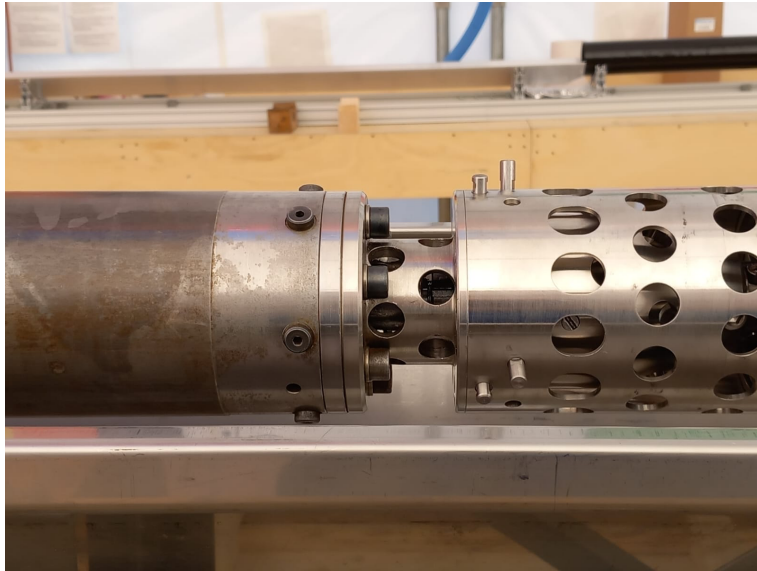
Loggers depth: 186.97 m

DeltaD: 0 m

Processors depth: 56 m

DeltaD: 6 m





Details of the German drill.

FW & RM, 18.12.2022

