Progress report on Beyond EPICA – oldest ice (BE-OI) Little Dome C (LDC) activity

Frank Wilhelms\textsuperscript{1,2} and the LDC field parties 2022/2023 & 2023/2024, drill & science workpackage, stable isotope field measurements group\textsuperscript{*}

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The European Project for Ice Coring in Antarctica (EPICA) Beyond EPICA – oldest ice aims at retrieving a continuous ice core record of climate feedback and forcing spanning about 1.5 Ma back in time. After determining a suitable drill-site LDC during an extensive pre-site survey 35 km southwest of Concordia station, we are in the second deep drilling season. At the time of submission of this abstract, we penetrated beyond 1604.92 m, roughly spanning one glacial-interglacial cycle. We will report on the drilling and core processing activities and verify the prognostic age scale by comparison with dielectric profiling (DEP) and stable isotope saw dust measurements in the field.

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