



A NEW DEVONIAN/CARBONIFEROUS BOUNDARY SECTION IN THE STRATOTYPE AREA (LA SERRE, MONTAGNE NOIRE, FRANCE)

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A new section is studied near the Devonian – Carboniferous Boundary (DCB) stratotype at La Serre trench E' (LS-E'). This La Serre trench C (LS-C) section is situated 200 m east of the present Global Stratotype Section and Point (GSSP). Though slightly different in thickness, the section is similar to LS-E', exposing a more fine-grained oolitic sequence, indicating a more distal deposition. In contrast to the stratotype section, the Hangenberg Black Shale (HBS) equivalent is well-developed below the regressive oolitic sequence.

The conodonts are recorded through the uppermost Famennian - lower Tournaisian interval for detailed biostratigraphy and give evidence for a range from the *Bispathodus ultimus ultimus* (= Upper *expansa*) Zone to at least the *Siphonodella jii* (= upper part of Upper *duplicata*) Zone.

Sedimentological evidence and conodont record allow fine-scaled laterally correlations with the LS-E' GSSP.