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Préalpes médianes romandes: subsidence curves and geodynamic implications

The «Préalpes médianes romandes» subsidence history is based on 20 stratigraphic sections of this Piémontais ocean rim basin. The analysis takes into account lithology, age of the sediments, compacted and de-compacted sediment thickness, depositional depth and eustatic variations. Local tectonic phases during Liassic may be deduced from geohistory curves and regional phases from Dogger to Tertiary. The evolution of the shape of geohistory diagrams allows an evaluation of the spatial extension of the tectonic events.

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