

IGCP 509 Example Time-Space Plot

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This is a draft, test version of a time-space chart for use by participants in the IGCP 509 project. It is intended to demonstrate the proposed methodology for illustrating how data from the IGCP509 database may be downloaded and used to create a time-space chart in ARCGIS 9.1 (ArcView).

For this example, artificial data for lithostratigraphic units from the "Undefined" continent, and occurring in three hypothetical domains, were used to construct the time-space chart.

Data rectangles (polygons) are colour and pattern coded to represent the rock classes and tectonic settings applicable to the individual lithostratigraphic units. In addition, the timing of metamorphism and deformation and the grade of metamorphism are may also be illustrated.

Users may interrogate the final ARCGIS project (using files which may be downloaded from the IGCP 509 web site), utilising the free ArcReader software to quickly select and show either rock class, tectonic setting, a combination of these; or perform more selective queries on the data.

Suggestions for improvements to this approach and format are welcome.





