

```

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9       "coordinates": [[-1e3,-1e3],[1150e3,-1e3],[1150e3,1e3],[-1e3,1e3]],
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37            "max depth": 65e3
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49        "temperature models":
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52            "top temperature": 1600, "bottom temperature": 1820
53          },
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55        "composition models": [{"model": "uniform", "compositions": [4]}]
56      },
57      // defining the lower mantle
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59        "model": "mantle layer", "name": "lower mantle",
60        "min depth": 660e3, "max depth": 1160e3,
61        "coordinates": [[-1e3,-1e3],[2001e3,-1e3],[2001e3,1e3],[-1e3,1e3]],
62        "temperature models":
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65            "top temperature": 1820, "bottom temperature": 2000
66          },
67        ],
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70      // defining the subducting plate dipping towards the continental plate
71      {
72        "model": "subducting plate", "name": "Subducting plate",
73        "coordinates": [[1150e3,-1e3],[1150e3,1e3]], "dip point": [2000e3,0],
74        "segments": [{"length": 200e3, "thickness": [95e3], "angle": [0,45]},
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77          {"length": 100e3, "thickness": [95e3], "angle": [0]}],
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