

Editorial  
Photograph of the Month



Oblique foliations in metapelites, Pyrenees. Photograph Cees Passchier, Mainz (cpasschi@uni-mainz.de). © Cees Passchier.

Alternating metasandstone (top) and micaschist of Cambrian–Ordovician age in the Trois Seigneurs Massif, Northern Pyrenees, France. The sandstone layer underneath the lens cap contains a NW–SE trending weak spaced cleavage. In a thin micaschist layer at left, a spaced NE–SW trending foliation exists, normal to that in the central layer. My interpretation is that the foliations in the two layers belong to different deformation phases. S1 is developed in the sandstone, while S2 overprints and obliterates S1 in the micaschist layers as a crenulation cleavage during a second phase of shortening nearly at right angles to the first one. The crenulation cleavage was only developed in the micaschist

because the anisotropy of the first foliation was strong here. Open folds in the foliation in the sandstone can be an effect of D2. Location 1.4677 E, 42.8472N.

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