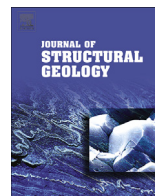




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### Photograph of the month



Two sets of extensional brittle faults separated by a thin zone of ductile detachment (pink colored pen) have been observed near Salem in the Southern Granulite Terrane of Indian Peninsula. The upper set of brittle faults (green colored pen) is more prominent and show anti-clockwise rotation; the faults become less prominent downward and merge with the detachment. These small scale structures are observed at several places and lead to the interpretation that the terrane has been marked by stacks of brittle faults interspersed by detachments; rotation along the brittle faults have been taken up along such detachments. This contributes large scale extension in the terrane. Extensional tectonics marks the last deformation event in the Southern Granulite Terrane and is responsible for exhumation of high grade rocks to the surface. This is similar to the model described by Wernicke and Burchfiel (1982, JSG 4, 105) for the Basin and Range province. 11° 40.097' N, 078° 8.477' E. Photograph © Prasanta Kumar Mishra, Bhuban Mohan Behera and Tapas Kumar Biswal ([pkmishra.geol@gmail.com](mailto:pkmishra.geol@gmail.com))