

Field works on collection the information on geological indicators of paleo stresses

Written by Administrator

Friday, 02 October 2015 13:10 - Last Updated Friday, 09 October 2015 11:56

For the period 14 - 27 September, 2015, within the framework of complex expeditionary project RFBR № 15-05-10138k (Project Manager – Anatoly Rybin) and for solving of research problems within the RFBR initiative subsidy №15-05-06857a (Project Manager – Naila Sycheva) there had been carried out the **field works to collect the information on geological indicators of paleo stresses** in the areas of transition from folded mountain structures to intermountain depressions in the Tian-Shan area. While passing along 12 field routes there had been investigated 4 global sites, where structural and cinematic information on tectonic joints and minor faults movements onto surface were collected.



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The data were collected in the territory of Research Station, near the complex geophysical mini proving ground “Kentor” and along the Valley of Alamedin River (6 points of survey). On the walls of Kochkor and Issyk-Kul intermountain depressions the data necessary for the reconstructions of local paleo stressing conditions were obtained. Within the Kochkor Valley the measurements on its eastern end and southern wall (entirely 11 points of survey) were conducted.



There we succeeded in determination of stressing conditions in Miocene deposits. Reconstruction of stressed conditions made in this point can be associated with contemporary phase of region deformation. On the southern coast of Issyk-Kul depression we carried out the

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comprehensive investigations of fold structure in Mesozoic deposits (7 points of survey).

