Supplementary Files

Quaternary Deformation along the Gobi–Tian Shan Fault in the Easternmost Tian Shan (Harlik Mountain), Central Asia

This file contains the figures from the thesis of Ren (2021) which shows the Gobi-Tian Shan fault crosscut the river terraces at the eastern end of the Harlik Mountain (Fig. S1). The left-lateral displacement is about 200 ± 15 m (Fig. S2), and the abandon age of the river terrace is 181.2 ka according to the ^{10}Be ages (Fig. S3). Therefore, they proposed that the strike-slip rate is ~1.1-1.4 mm/yr (See the location in the Fig. 2 of the manuscript).

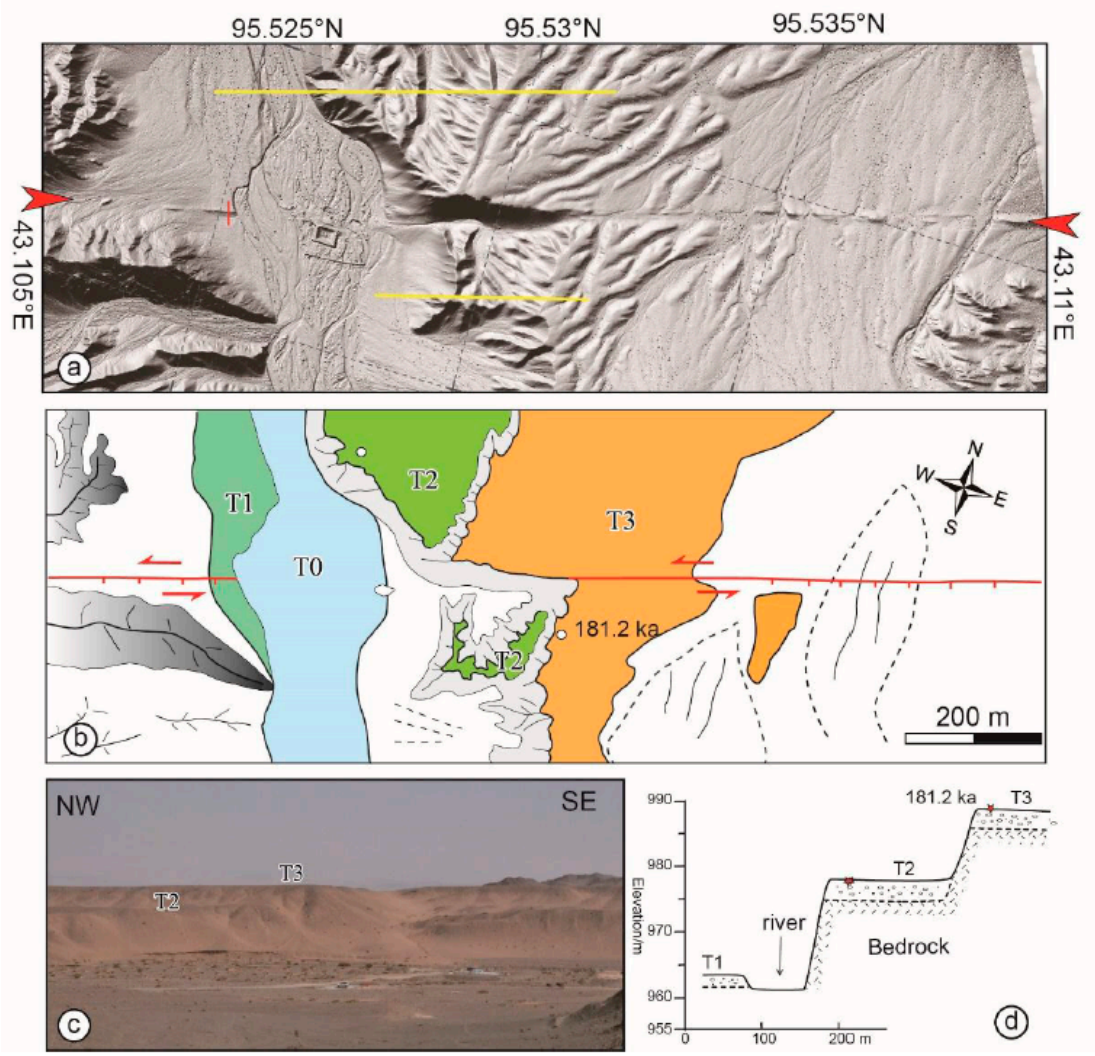


Figure S1 The characteristics of terrace dislocation of Xiamaya river

(a)Hillshade map of the river terrace; (b) Interpretation of the terraces; (c) Field photo of the river terraces; (d) Geological cross-section of the river terrace and the

10Be ages of the terrace. The data are shown in Fig. S3.

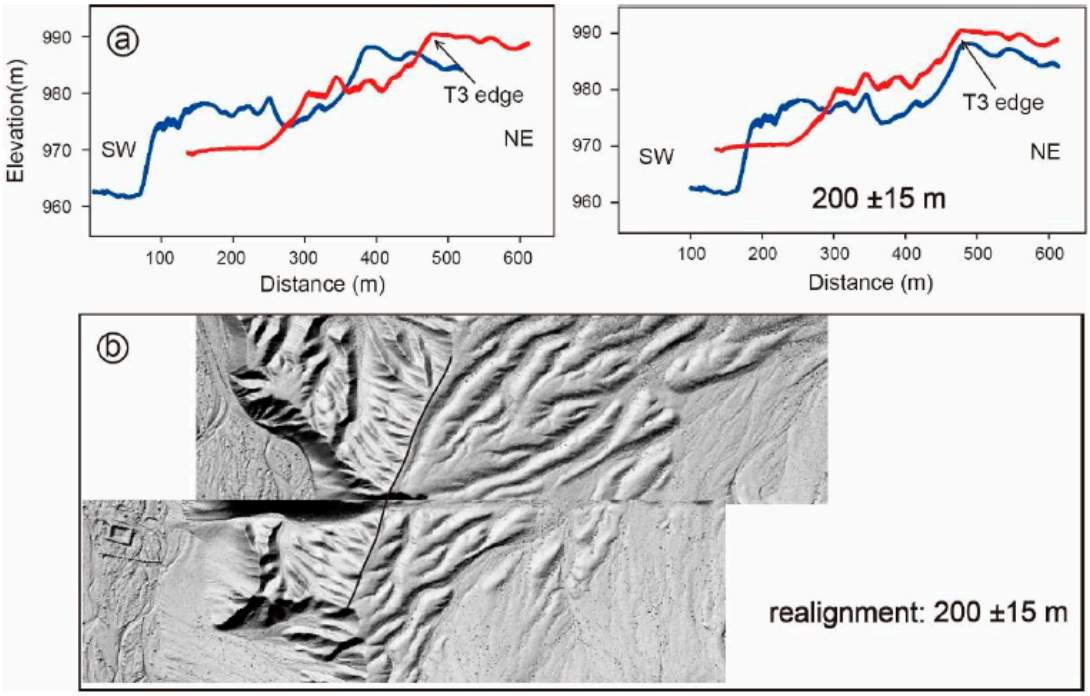


Figure S2 Offset restoration of T3/T2 ramp.

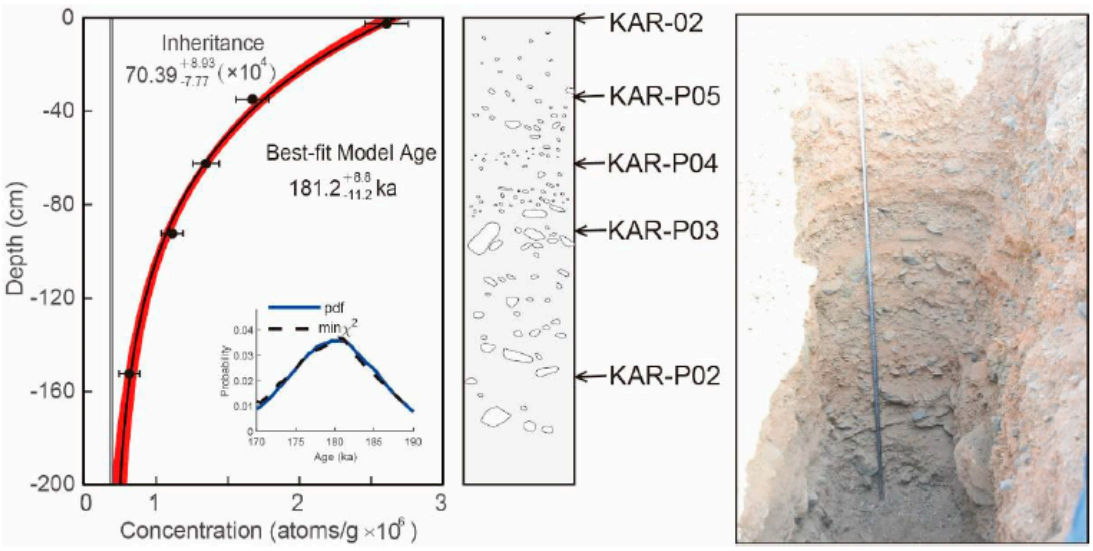


Figure S3 The exposure age results of the third terrace