

**Tajik Basin and Southwestern Tian Shan, Northwestern India-Asia Collision Zone: 3. Pre- to Syn-orogenic Retro-foreland Basin Evolution in the Eastern Tajik Depression and Linkage to the Pamir Hinterland**

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**Contents of this File**

Supporting information S1.

Tables S1 and S2 provided as separate files

**Supporting Information S1**

The base for our geologic correlations are the Soviet-time geological maps of the USSR at a scale of 1:200,000. They were issued by the Russian Geological Research Institute (GRI), Nedra, Moscow, in Russian. In the text, we reference the used map sheets as [GRI \(1961-1964\)](#). In detail these include:

Filonov, A. I., Korol, A.N., & Solun, V. I. (1962). *Geological map of the USSR of 1: 200 000 scales, Sheet J-42-XVI*, Russ. Geol. Res. Inst., Nedra, Moscow.

Kuznecov, N. N., & Solun, V. I. (1961). *Geological map of the USSR of 1: 200 000 scales, Sheet J-42-XXIII*, Russ. Geol. Res. Inst., Nedra, Moscow.

Kuznecov, N.N., & Solun V. I. (1964a). *Geological map of the USSR of 1: 200 000 scales, Sheet J-42-XXII*, Russ. Geol. Res. Inst., Nedra, Moscow.

Lyoskind, S. Y., Novikova, L. A., & Dolgonos, L. G. (1963). *Geological map of the USSR of 1: 200 000 scales, Sheet J-42-XVII*, Russ. Geol. Res. Inst., Nedra, Moscow.

## **Dataset S1**

Tables S1 and S2 provided as separate files

Table S1: Geochemical data for sedimentary rocks

Table S2: Correlation coefficients ( $r$ ) from the correlation matrix obtained from the geochemical data of siltstones in the eastern Tajik basin.