

1 **Supplementary Material**

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3 **Response of modern fluvial sediments to regional tectonic activity**
4 **along the Min River, Eastern Tibet**

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16 **Contents of this file:**

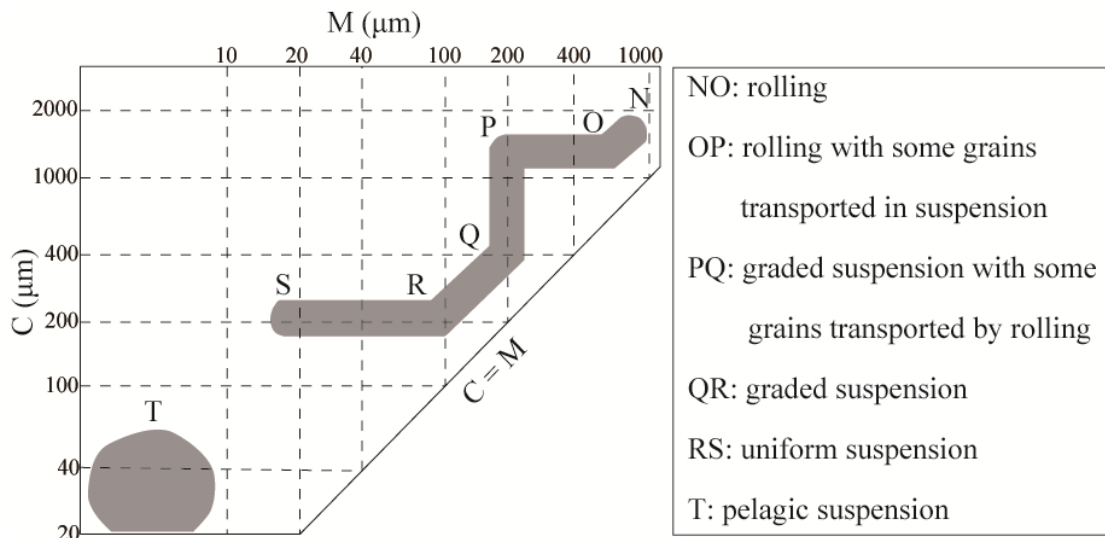
17 Table S1

18 Figures S1–S4

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Table S1 Sampling location information from the upper Min River.

| River | Number | Longitude | Latitude | Altitude | Samples |
|------------------|--------|-----------|----------|----------|---------|
| Min River | 1 | 103.71 | 33.03 | 3462 | 6 |
| | 2 | 103.70 | 33.01 | 3395 | 6 |
| | 3 | 103.69 | 32.92 | 3171 | 5 |
| | 4 | 103.65 | 32.87 | 3064 | 8 |
| | 5 | 103.60 | 32.67 | 2851 | 7 |
| | 6 | 103.65 | 32.48 | 2649 | 3 |
| | 7 | 103.72 | 32.34 | 2481 | 8 |
| | 8 | 103.76 | 32.21 | 2325 | 8 |
| | 9 | 103.72 | 32.08 | 2192 | 5 |
| | 10 | 103.67 | 31.93 | 1741 | 7 |
| | 11 | 103.79 | 31.77 | 1560 | 6 |
| | 12 | 103.85 | 31.72 | 1521 | 7 |
| | 13 | 103.79 | 31.63 | 1474 | 12 |
| | 14 | 103.65 | 31.51 | 1337 | 8 |
| | 15 | 103.54 | 31.44 | 1185 | 9 |
| | 16 | 103.49 | 31.34 | 1160 | 13 |
| | 17 | 103.48 | 31.25 | 1073 | 12 |
| | 18 | 103.48 | 31.11 | 895 | 9 |
| | 19 | 103.61 | 30.93 | 669 | 3 |
| | 20 | 103.64 | 30.94 | 634 | 3 |
| Zagunao River | 21 | 102.91 | 31.53 | 2351 | 8 |
| | 22 | 103.14 | 31.41 | 1857 | 6 |
| | 25 | 103.21 | 31.50 | 1676 | 7 |
| | 24 | 103.37 | 31.58 | 1509 | 9 |
| | 23 | 103.44 | 31.56 | 1444 | 7 |

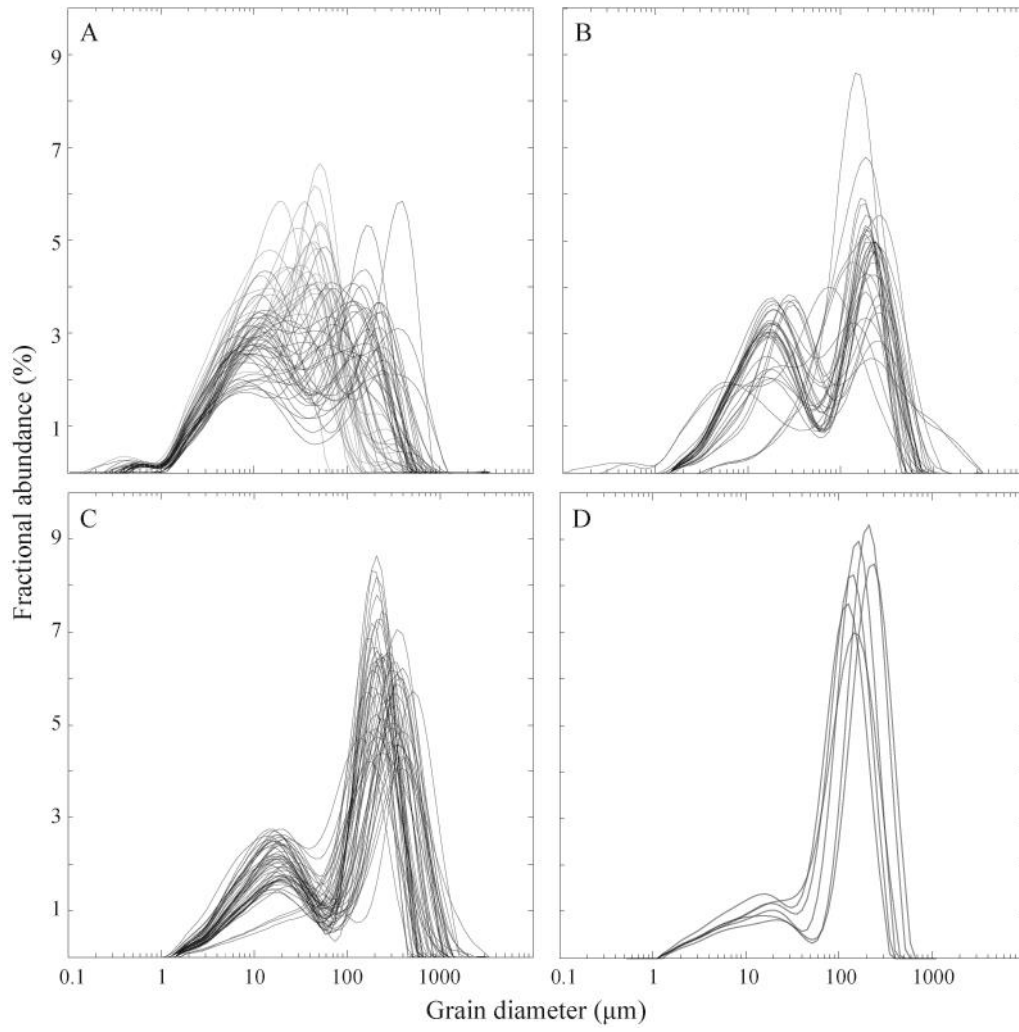


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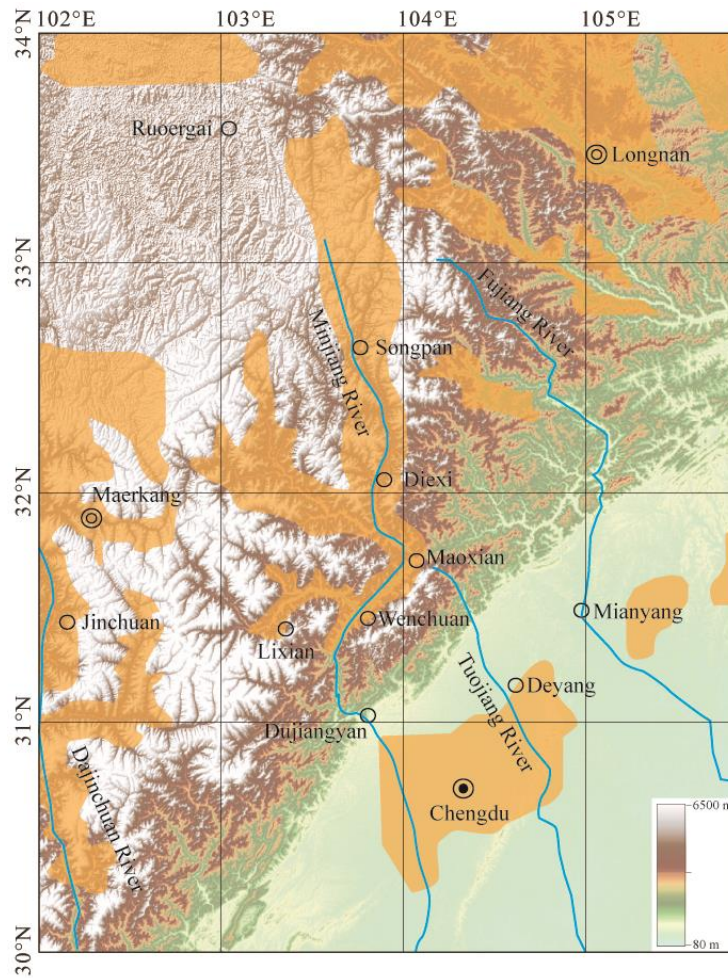
Figure S1 C–M image theory based on Passega (1957) and Bravard and Peiry (1999).

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25 **Figure S2** Grain-size frequency distribution of fluvial sediments from the upper Min River

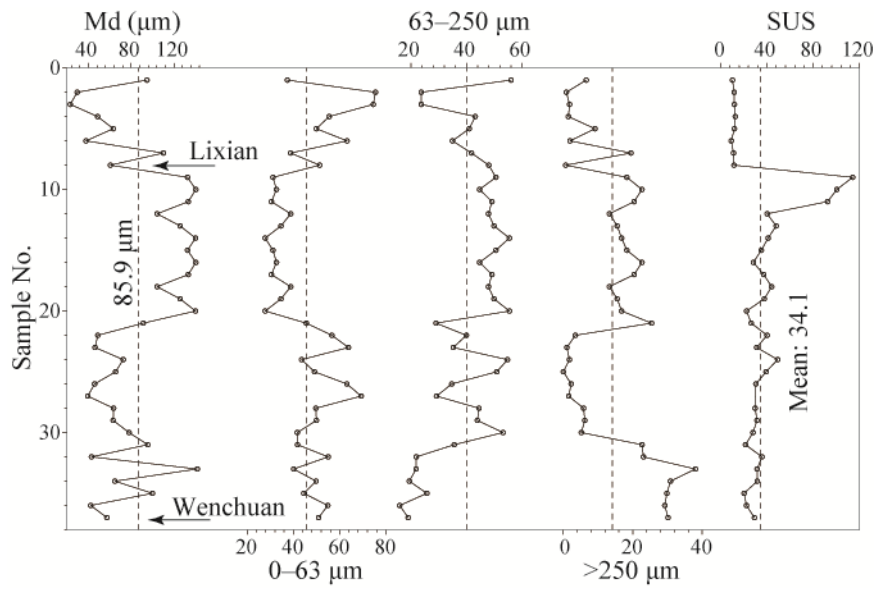
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28 **Figure S3** Loess distribution (yellow shadows) in the upper Min River (Han et al., 2010; Ou et al.,
 29 2012).

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31 **Figure S4** Variation curves for grain-size components and SUS of fluvial sediments from the
 32 Zagunao River
 33

34 **References**

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