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# Supplementary Materials for

## Time scale bias in erosion rates of glaciated landscapes

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## Supplementary Materials and Methods

### Supplementary Note 1: Erosional hiatuses and their effect on estimates of erosion rates

Consider a time series of erosion over million year time scales (Fig. 1). The estimated erosion rate ($E_{obs}$) represents a running average of the time series over a given averaging time scale *T*, that is,

$$E_{obs}(T) = \frac{\sum_{i=1}^{n} Y_i}{T} \tag{1}$$

where $Y_i$ denotes the magnitudes of erosional pulses, *n* represents the number of erosional pulses sampled during a given averaging time scale *T*. Because most geochronological methods average magnitudes of erosional pulses and hiatuses from some time in the past to the present, the averaging time scale *T* and age are correlated and this denotes the time scale accessed by a given method. For example, *T* would represent decadal scales for erosion rates estimated from sediment yield data and it would represent millennial scales for erosion rates estimated from cosmogenic nuclides. The estimated erosion rate reflects both the erosional pulses and hiatuses. See *Schumer and Jerolmack* (*10*) for a detailed discussion of the effect of hiatuses on estimated rates of landscape change in the context of sedimentation rates.

In probability theory, the law of large numbers describes the long-term stability of the mean of a sequence of random numbers. If the erosional hiatuses have a distribution with a finite mean (thin-tailed, e.g., exponential), then the sample mean converges to the mean of pulses of erosion, which is normalized by the mean of the erosional hiatuses (*10*, *87*). However, if the erosional hiatuses have a heavy-tailed distribution with an infinite mean (e.g., Pareto), then the sample mean need not converge to a constant value (*10*). Heavy-tailed distributions are characterized by power-law decay in the tails of their cumulative distribution function ($t^{-\alpha}$) and these distributions have infinite means when $\alpha < 1$. Heavy-tailed distributions assign a small but finite chance for the occurrence of extremely large events (in this case erosional hiatuses). In contrast, for thin-tailed random variables, the chance of occurrence of extreme events is effectively zero. When the erosional hiatuses have a heavy-tailed distribution with an infinite mean, then estimated erosion rates exhibit inverse power-law dependence on the averaging time scale where the scaling exponent is given by $\alpha < 1$ (see (*10*) for a detailed derivation). If the erosional hiatuses have an upper bound then the distribution is truncated and the time scale bias in estimated erosion rates ceases to exist beyond averaging time scales that approach the longest plausible hiatus, and erosion rates measured over time scales longer than the upper bound of the distribution of erosional hiatuses will represent mean rates of erosional pulses (*10*, *14*), which are normalized by the mean of the truncated heavy-tailed distribution of erosional hiatuses.

We performed numerical simulations that demonstrate the aforementioned concepts with results shown in fig. S1. In this example, for simplicity, we ignored the variability in magnitudes of erosional pulses and assume that each erosional pulse represents 10 mm of erosion and these erosional pulses are interspersed among erosional hiatuses (e.g., fig. S1). We sampled the erosional hiatuses from three different distributions: (a) exponential distribution (mean of 100 years), (b) Pareto distribution ($\alpha = 0.5$; no finite mean), and (c) truncated Pareto distribution (mean of 225 years). These three distributions represent a thin-tailed distribution, heavy-tailed distribution, and a heavy-tailed distribution with an upper bound, respectively. In the first case, the representative erosion rate for the catchment is the magnitude of erosion during each year (10 mm) divided by the average time interval between erosional pulses (mean of 100 years), which is 0.1 mm/year. In the second case, there is no representative mean erosional hiatus as the distribution of erosional hiatuses is heavy-tailed with a tail index less than 1. Finally, in the third case, the representative erosion rate for the catchment is the magnitude of erosional pulses during each year (10 mm) divided by the average time interval between erosional pulses (mean of 225 years), which is 0.045 mm/year.

The estimated erosion rates from the simulated time series of erosion demonstrate the aforementioned theory: for the case that erosional hiatuses have a thin-tailed distribution (in this case an exponential distribution; gray markers in fig. S1), the running average of the time series of erosional pulses converge to a value of 0.1 mm/year. In contrast, the estimated erosion rates show an inverse power-law trend with averaging time scale with a scaling exponent of $\alpha - 1$ when the distribution of erosional hiatuses has a heavy tail with tail index $\alpha$ (red markers in fig. S1). Further, when the erosional hiatuses have a heavy-tailed distribution with an upper bound, the estimated erosion rates converge to a value of 0.045 mm/year for averaging time scales longer than the upper bound of the erosional hiatuses (blue markers in fig. S1 similar to results shown in Fig. 4C). We note that magnitudes of erosional pulses can themselves be variable; however, heavy-tailed magnitudes of erosional pulses with an infinite mean will result in a positive power-law trend in the averaging time scale dependence of estimated erosion rates (opposite trend to that observed in Fig. 2A, and a trend reported by (*17*)). These scaling relationships do not change if the magnitudes of erosional pulses were variable but drawn from a thin-tailed distribution (*10*) (e.g., exponential distribution).

We can visualize the effect of averaging time scale dependence of estimated erosion rates on overshadowing the systematic increase in magnitudes of erosional pulses with age as shown in fig. S2. We generated 1000 independent time series of erosional pulses of equal magnitude (10 mm) interspersed with erosional hiatuses (truncated Pareto, tail index = 0.5; upper bound = 200 ky) and computed erosion rates for different averaging time scales ($10^2$ years and $10^4$ years) with age using a window average filter. We then computed the slope and intercept of the best fitting power law that describes the functional dependence of erosion rate on age (and not averaging time scale). The blue and red lines in fig. S2 indicate the relation between erosion rate and age for averaging time scales of $10^2$ years and $10^4$ years, respectively, where a 10-fold difference between estimated erosion rates is evident with different averaging time scale over all ages. Thus, only changes in magnitudes of erosional pulses that are greater than 10-fold can overshadow the dominant signature of heavy-tailed erosional hiatuses on averaging time scale.

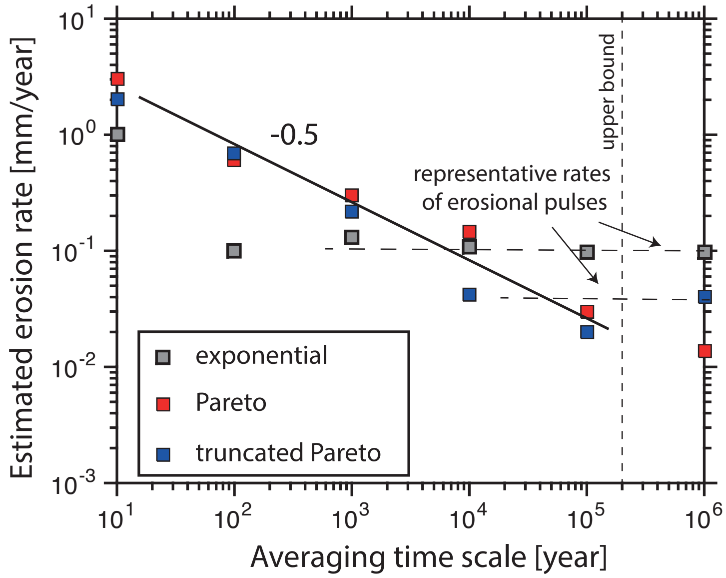


**fig. S1. Effect of heavy-tailed erosional hiatuses on estimated erosion rates.** Plot showing results of time scale bias in estimated erosion rates from numerical simulations where the magnitudes of erosional pulses were constant through time (10 mm) and the distribution of erosional hiatuses were changed. In these simulations the estimated erosion rates average from some time in the past to the present, such that the averaging time scale is equal to the age. Time scale bias in estimated erosion rates for the case of thin-tailed erosional hiatuses (exponentially distributed, gray markers) significantly differs from the cases when erosional hiatuses are heavy tailed with (truncated Pareto distribution; blue markers) and without an upper bound (Pareto distribution; red markers). The tail index for both these heavy-tailed erosional hiatuses was 0.5. The different representative rates of erosional pulses are a result of the different means of erosional hiatuses and the vertical dashed line indicates the upper bound on the erosional hiatuses with a truncated Pareto distribution.

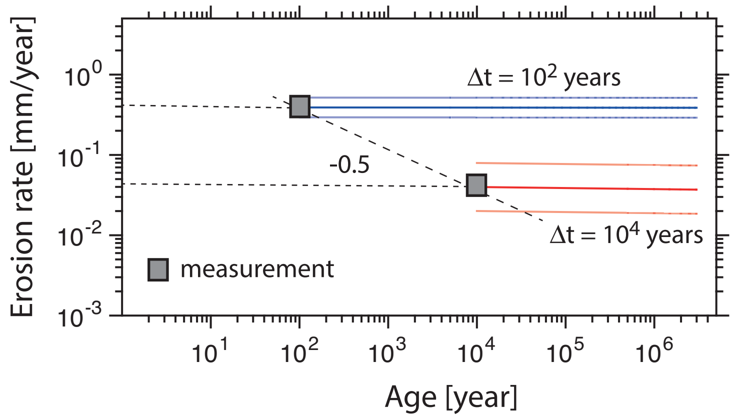


**fig. S2. Illustration of the effect of heavy-tailed erosional hiatuses on overshadowing the systematic increase in magnitudes of erosional pulses with age.** Erosion rate as a function of age for different averaging time scales (blue line is $\Delta t = 10^2$ years, and red line is $\Delta t = 10^4$ years). The estimated erosion rate shows approximately a 10-fold decrease for all ages with a 100-fold increase in averaging time scale. The opaque and translucent lines of the same color show the best fitting power law functions with mean power-law slope and intercept along with their standard error (SE) evaluated by averaging over 1000 different realizations.

**Supplementary Note 2: Dependence of cumulative erosion on averaging time scale**

Previous work argued that plotting erosion rate versus averaging time scale could lead to spurious correlations because time features in both the independent and the dependent variables (*45*). The power-law exponents reported in Fig. 2 are directly related to the power-law exponents on the relation describing the dependence of cumulative erosion on averaging time scale. Here, we provide additional plots of cumulative erosion versus averaging time scale for all glaciated and fluvial landscapes from our compilation. Both these plots demonstrate that the power-law exponents reported in Fig. 2 are directly transformable into power-law exponents that describe the averaging time scale dependence of cumulative erosion, where exponent on the length-time plot (fig. S3) is the result of adding 1 to the rate-time plot (Fig. 2). In both these plots, cumulative erosion for thermochronological systems was derived from their respective closure temperatures by assuming a geothermal gradient of 30°C/km. For cosmogenic nuclide derived erosion rates, we assign the cumulative erosion to be 60 cm.

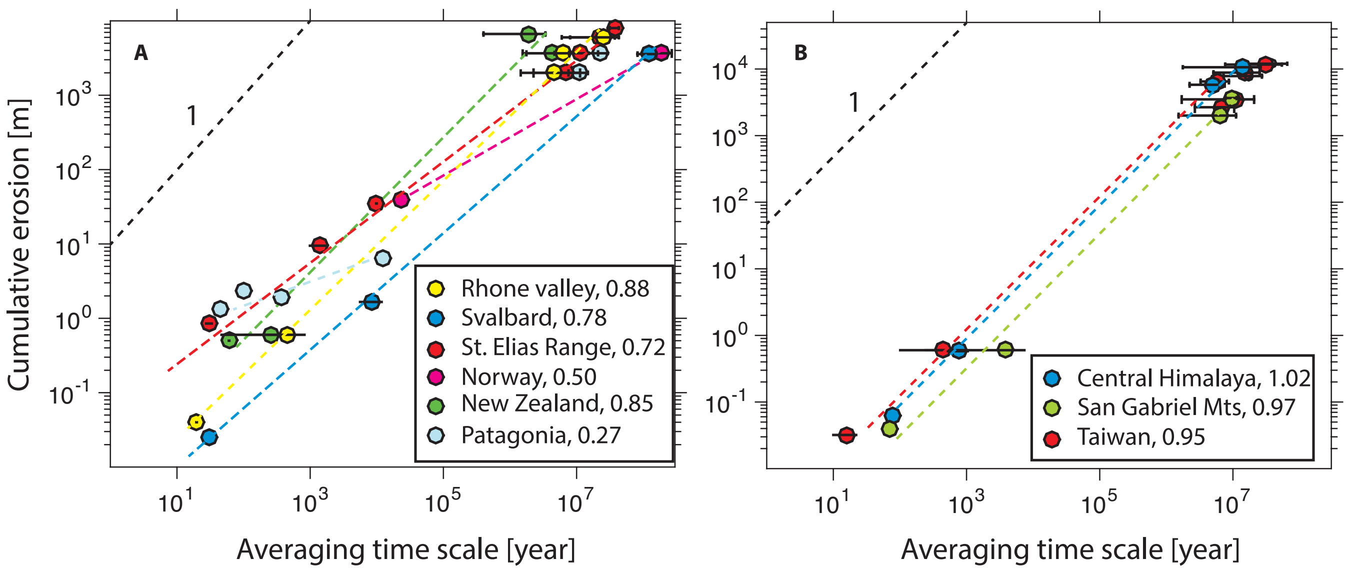


**fig. S3. Cumulative erosion versus averaging time scale for glaciated and fluvial landscapes. (A, B)** Cumulative erosion versus averaging time scale for all glaciated and fluvial landscapes where the depth of erosion for cosmogenic nuclide data was assigned to be 60 cm and the depth of erosion for thermochronometers were derived from geothermal gradient and closure temperature. Erosion rates derived from sediment yield and fjord sedimentation were converted to a depth of erosion by multiplying the estimated erosion rate and the averaging time scale. The slope of the power-law scaling is directly related to the slope of the power-law reported in Fig. 2 where the scaling of the rate-time plot can be transformed to scaling of the length-time plot by adding 1 (*45*). The dashed black line indicates a slope of 1, which is expected if the erosion rate was constant through time. The number in the legend indicates the slope of the best-fitting power-law that describes the dependence of cumulative erosion on averaging time scale for each landscape.

**Supplementary Note 3: Effect of varying magnitudes of erosional pulses**

In the main text, we have shown numerical simulations with variable duration of erosional hiatuses and constant magnitudes of erosional pulses. To assess whether variable magnitudes of erosional pulses can affect the time scale bias in estimated erosion rates, we performed numerical simulations to test theoretical expectations. Theoretical expectations suggest that negative power-law dependence of erosion rates on averaging time scale can only result from heavy-tailed erosional hiatuses with a tail index less than 1 (*10*). To assess if varying magnitudes of erosional pulses can affect this trend, we relaxed the assumption of constant magnitudes of erosional pulses that was imposed in the numerical simulations presented in the main text. Instead, we generated time series of landscape scale erosion with the difference that the magnitudes of erosional pulses were variable. We sampled magnitudes of erosional pulses from a thin-tailed distribution (fig. S4A; exponential distribution with a mean of 10 mm for 0-1 My and a mean that was two and ten times lower for time greater than 1 My) and a heavy-tailed distribution (fig. S4C; Pareto distribution with a scale parameter of 10 mm and tail index of 1.5). The erosional hiatuses had the same distribution and structure, that is, drawn from a truncated Pareto distribution with tail index of 0.5 and upper bound of 200 ky. The results highlight that the time scale bias in estimated erosion rates is still dominated by the heavy-tailed erosional hiatuses where the power-law slope is equal to –0.5, thereby confirming theoretical expectations that the negative power-law scaling of estimated erosion rates on averaging time scale arises from heavy-tailed erosional hiatuses and is unaffected by varying magnitudes of erosional pulses.

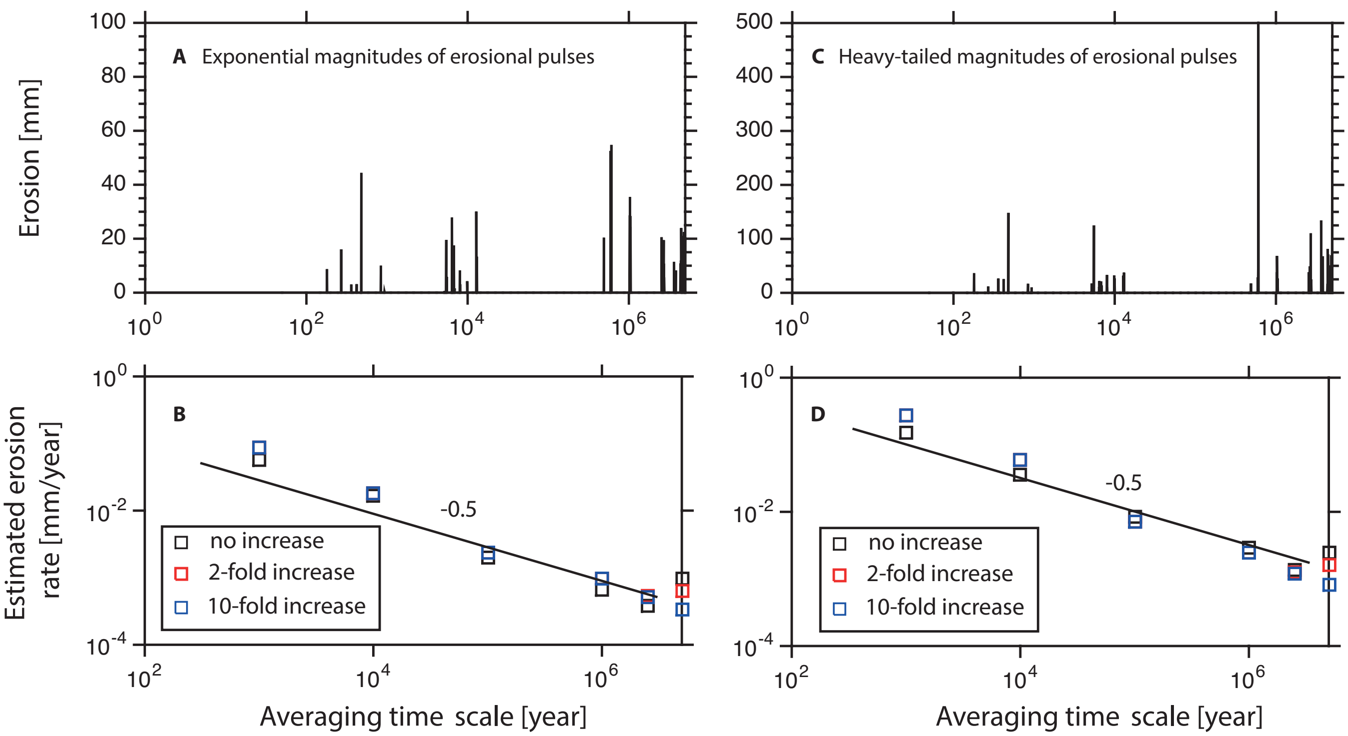


**fig. S4. Numerical simulations highlighting the effect of varying magnitudes of erosional pulses.** **(A, C)** In both these simulations, we had the same probabilistic structure of erosional hiatuses, i.e., truncated Pareto distribution with tail index 0.5 and upper bound 200 ky; however, we chose the magnitudes of erosional pulses from an exponential distribution and Pareto distribution, respectively. The mean magnitudes of erosional pulses were two (red markers) and ten times (blue markers) higher for 0-1 My when compared to magnitudes of erosional pulses for time greater than 1 My. The black markers are results from simulations with no change in the statistics of magnitudes of erosional pulses through time. **(B, D)** The averaging time scale dependence of estimated erosion rates is dominated by heavy-tailed erosional hiatuses confirming theoretical expectations (*10*). In these simulations the estimated erosion rates average from some time in the past to the present, such that the averaging time scale is equal to the age.

**Supplementary Note 4**

In some of the landscapes there is spatial variability in the compiled data set, which has to be accounted for when comparing erosion rate estimates. In particular, in New Zealand the distance to the Alpine Fault has been shown to have significant influence on cooling ages. Erosion rates are not highest at the Alpine Fault itself, but approximately 5 – 7 km south of it (*88*). Our data compilation spans the entire region of very high erosion rates only, not extending into the reaches farther south, where a strong decline in erosion rates is observed. Additionally, cosmogenic nuclide ages and sediment yield data are catchment-averaged erosion rates and compiled for the same area, and are thus comparable to the averaged in situ measurements within the catchment.

In Taiwan, an extensive study showed variability of sediment yield data (*89*). Some of these measurements are higher than the long-term average, which is represented within the error bars of our compilation. The European Alps have been argued to be at steady state based on thermochronological data (*90*, *91*). However, these data may not be sensitive to the influence of the last glaciation, given the large response time of the system (*92*), and the youngest history including glaciation may not be resolved (*90*). Furthermore, the Alps are heavily effected by human activity, which may have an impact on measured sediment yield data (*93*).

We classified the central Himalayas as a fluvial landscape for the following reasons. In the sub-tropical region of the central Himalaya, where the compiled data comes from, the magnitude of glacial advance and retreat were very modest (*94*). Moreover, the viscoelastic response to glacial erosion may have a shorter relaxation time in this landscape because of lower middle crust viscosity (*95*). The proposed coupling between tectonics and erosion could further dampen the response of the landscape to long periods in climate forcing when compared to less active (colder) areas.

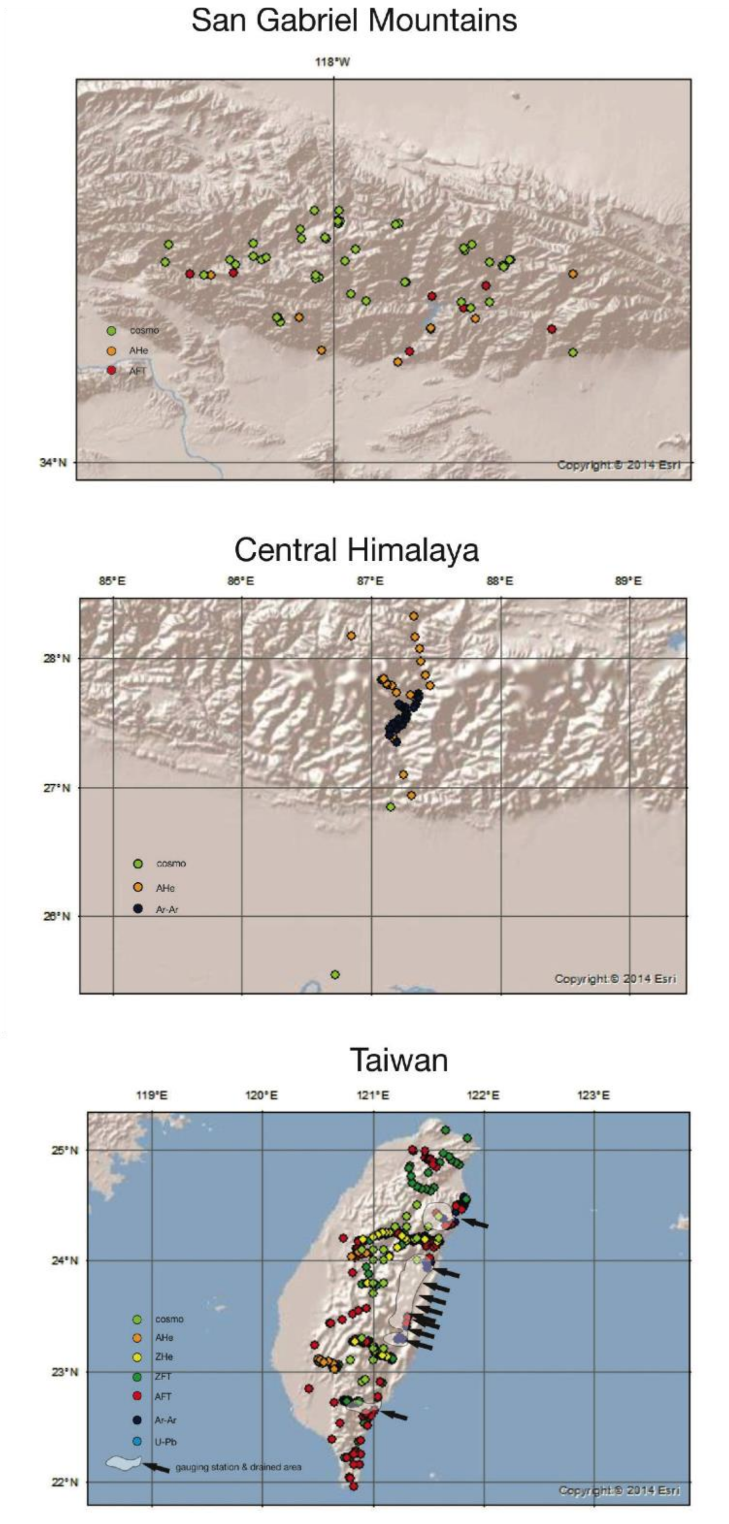


**fig. S5. Location maps of data for fluvial landscapes.** Maps showing the locations of the compiled data for the landscapes dominated by fluvial processes (Fig. 2B).

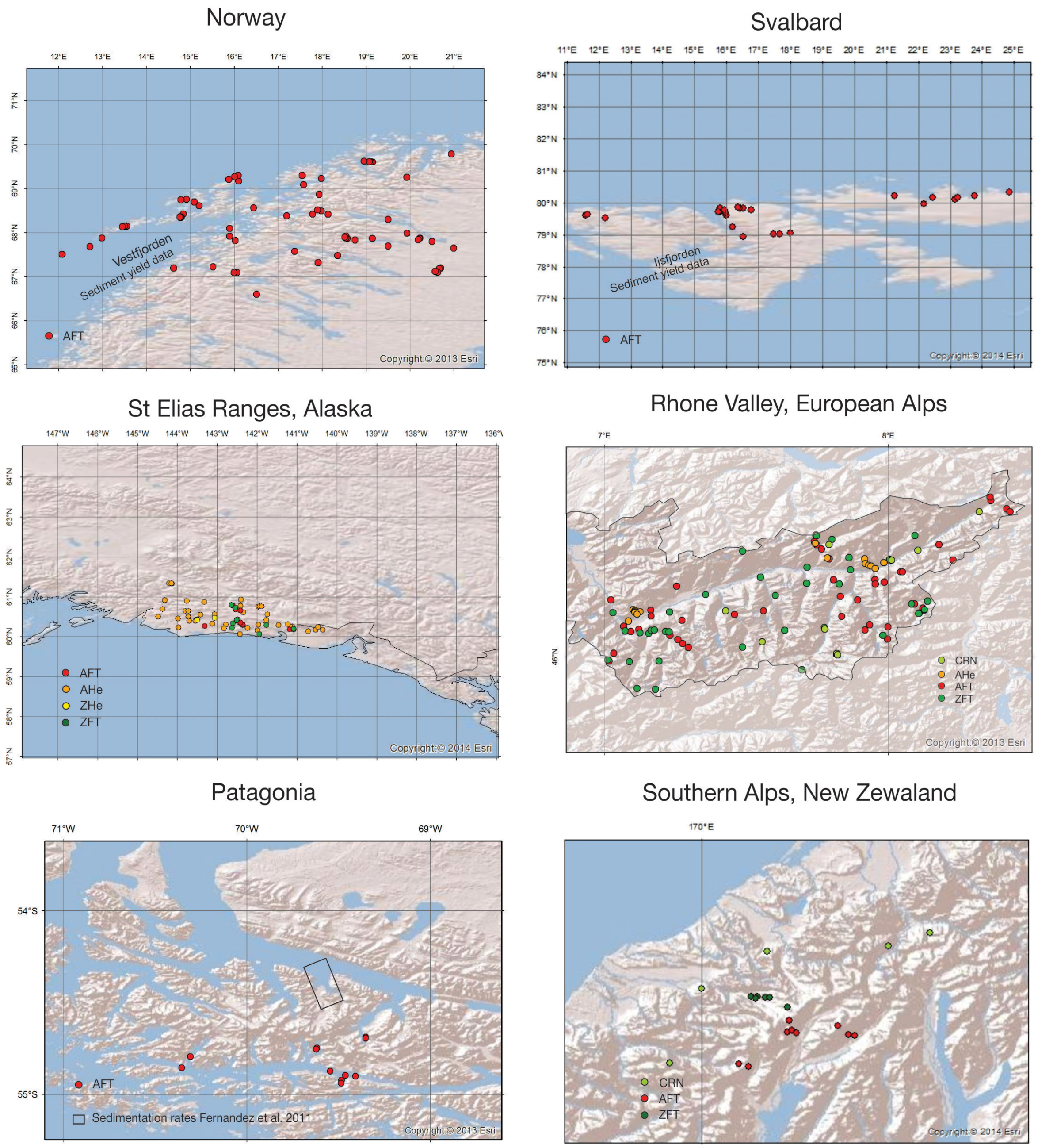


**fig. S6. Location maps of data for glaciated landscapes.** Maps showing the locations of the compiled data for the landscapes dominated by glacial processes (Fig. 2A). The estimated erosion rates for Pacific NW were directly compiled from *Koppes and Montgomery* (*56*).

**table S1. Landscape setting and fitted scaling exponents.** Summary of the geologic settings of the landscapes considered in this study along with the scaling exponents of the best fitting power laws.

| Landscape | Description of geologic setting* | Scaling exponent (α) | Standard Error (SE) |
|---|---|---|---|
| Southern Alps, New Zealand | Active collision between the Australian and Pacific Plates, glaciated | -0.19 | 0.02 |
| St. Elias Range | Ongoing collision of the Yakutat Block in the North American Plate, glaciated | -0.24 | 0.06 |
| Rhone valley, central European Alps | Continent-continent collision of the Adriatic Micro-plate into Eurasia, very slow convergence, glaciated | -0.11 | 0.08 |
| Patagonia | Active subduction of the Antarctic Plate under the South American Plate, glaciated | -0.71 | 0.10 |
| Svalbard | Tectonically inactive; passive margin, glaciated | -0.22 | 0.04 |
| Pacific NW | Active subduction of the Juan de Fuca Plate underneath the North American Plate, glaciated | -0.25 | 0.1 |
| Norway | Tectonically inactive; passive margin, glaciated | -0.48 | 0.12 |
| Central Himalayas | Ongoing continent-continent collision of the Indian and Eurasian Plates | 0.05 | 0.07 |
| San Gabriel Mountains | Active convergence at a restraining bend of the San Andreas Fault | -0.03 | 0.20 |
| Taiwan | Active collision between the Philippian Sea Plate and Eurasia | -0.02 | 0.04 |

*See references in table S2 for data compiled and details pertaining to each landscape.

**table S2. Tabulated data used in this study.** Data compilation from previously published studies, used to evaluate erosion rates across diverse time scales.

| **Longitude** | **Latitude** | **Age* (My)** | **Error* (My)** | **System** | **Erosion rate [mm/year]** | **Ref.** |
|---|---|---|---|---|---|---|
| | | | **New Zealand** | | | |
| 170.079 | -43.652 | 3.2 | 1.6 | AFT | 1.62 | (*96*) |
| 170.1 | -43.657 | 7 | 1.8 | AFT | 0.66 | *(96)* |
| 170.184 | -43.583 | 4.4 | 0.9 | AFT | 1.12 | *(96)* |
| 170.194 | -43.58 | 3.2 | 0.7 | AFT | 1.62 | *(96)* |
| 170.203 | -43.586 | 5.1 | 1.1 | AFT | 0.94 | *(96)* |
| 170.293 | -43.571 | 10.2 | 3.3 | AFT | 0.41 | *(96)* |
| 170.315 | -43.59 | 5.7 | 1.1 | AFT | 0.78 | *(96)* |
| 170.328 | -43.591 | 6.1 | 1.4 | AFT | 0.72 | *(96)* |
| 170.115 | -43.511 | 0.6 | 0.3 | AFT | 6.11 | *(96)* |
| 170.136 | -43.51 | 1.5 | 0.5 | AFT | 2.44 | *(96)* |
| 170.146 | -43.509 | 0.8 | 0.5 | AFT | 4.58 | *(96)* |
| 170.184 | -43.531 | 3.8 | 1.3 | AFT | 1.24 | *(96)* |
| 170.187 | -43.558 | 3.3 | 1.4 | AFT | 1.47 | *(96)* |
| 170.119 | -43.507 | 1.5 | 0.3 | ZFT | 4.44 | *(96)* |
| 170.106 | -43.507 | 0.9 | 0.1 | ZFT | 7.41 | *(96)* |
| 170.115 | -43.511 | 1 | 0.1 | ZFT | 6.67 | *(96)* |
| 170.136 | -43.51 | 1.8 | 0.2 | ZFT | 3.70 | *(96)* |
| 170.146 | -43.509 | 1.3 | 0.2 | ZFT | 5.13 | *(96)* |
| 170.184 | -43.531 | 4.9 | 0.5 | ZFT | 1.36 | *(96)* |
| 169.93 | -43.65 | 211 | 25 | CRN [year] | 3.70 | (*97*) |
| 170 | -43.49 | 606 | 73 | CRN | 1.38 | *(97)* |
| 170.14 | -43.41 | 421 | 43 | CRN | 2.03 | *(97)* |
| 170.4 | -43.4 | 103 | 22 | CRN | 7.78 | *(97)* |
| 170.49 | -43.37 | 119 | 33 | CRN | 6.61 | *(97)* |
| 171.04 | -43.08 | 86 | 13 | CRN | 8.96 | *(97)* |
| | | | | | | |
| | | | **Norway** | | | |
| 20.62 | 67.103 | 615.3 | 52 | AFT | 0.01 | (*98*) |
| 20.183 | 67.842 | 251.5 | 29.8 | AFT | 0.02 | *(98)* |
| 19.14 | 67.869 | 211 | 21 | AFT | 0.02 | *(98)* |
| 18.511 | 67.897 | 254.3 | 20.9 | AFT | 0.01 | *(98)* |
| 18.128 | 68.421 | 140.3 | 8.3 | AFT | 0.01 | *(98)* |
| 17.98 | 68.493 | 126.5 | 7.8 | AFT | 0.01 | *(98)* |
| 17.929 | 68.87 | 143 | 12.6 | AFT | 0.01 | *(98)* |
| 17.907 | 67.326 | 268.6 | 32.3 | AFT | 0.01 | *(98)* |
| 17.539 | 69.306 | 163.8 | 13.2 | AFT | 0.01 | *(98)* |
| 17.369 | 67.576 | 209.2 | 16.1 | AFT | 0.01 | *(98)* |
| 17.194 | 68.385 | 124.6 | 6.3 | AFT | 0.02 | *(98)* |
| 16.096 | 69.175 | 144.9 | 11.1 | AFT | 0.02 | *(98)* |

| Longitude | Latitude | Age* (My) | Error* (My) | System | Erosion rate [mm/year] | Ref. |
|---|---|---|---|---|---|---|
| 16.093 | 69.175 | 166 | 20.6 | AFT | 0.02 | *(98)* |
| 15.992 | 67.095 | 157.4 | 11 | AFT | 0.02 | *(98)* |
| 15.89 | 68.099 | 110.8 | 6.9 | AFT | 0.02 | *(98)* |
| 15.872 | 69.214 | 127.3 | 11.1 | AFT | 0.02 | *(98)* |
| 15.197 | 68.611 | 176.6 | 13.4 | AFT | 0.02 | *(98)* |
| 15.08 | 68.701 | 195.6 | 23 | AFT | 0.02 | *(98)* |
| 14.911 | 68.759 | 247.1 | 18.9 | AFT | 0.02 | *(98)* |
| 14.79 | 68.355 | 173.1 | 13.4 | AFT | 0.02 | *(98)* |
| 14.786 | 68.355 | 161.2 | 13.7 | AFT | 0.02 | *(98)* |
| 14.783 | 68.751 | 238.2 | 27.8 | AFT | 0.02 | *(98)* |
| 14.782 | 68.354 | 159 | 16.3 | AFT | 0.02 | *(98)* |
| 14.772 | 68.354 | 153.6 | 13.7 | AFT | 0.02 | *(98)* |
| 14.769 | 68.353 | 153.6 | 12 | AFT | 0.03 | *(98)* |
| 14.767 | 68.354 | 158.5 | 15.1 | AFT | 0.02 | *(98)* |
| 14.763 | 68.357 | 151.5 | 10.9 | AFT | 0.02 | *(98)* |
| 14.762 | 68.355 | 143.8 | 15.8 | AFT | 0.02 | *(98)* |
| 14.761 | 68.356 | 147.4 | 10.6 | AFT | 0.01 | *(98)* |
| 14.618 | 67.203 | 170.5 | 12.3 | AFT | 0.02 | *(98)* |
| 13.546 | 68.154 | 180.8 | 20.8 | AFT | 0.03 | *(98)* |
| 13.505 | 68.149 | 111.2 | 23.8 | AFT | 0.03 | *(98)* |
| 13.455 | 68.139 | 120.2 | 13.6 | AFT | 0.02 | *(98)* |
| 12.714 | 67.688 | 124.5 | 9.7 | AFT | 0.03 | *(98)* |
| 12.078 | 67.506 | 123.6 | 9.4 | AFT | 0.01 | *(98)* |
| 20.935 | 69.791 | 214.3 | 24.2 | AFT | 0.03 | (99) |
| 20.667 | 67.183 | 263.8 | 24.6 | AFT | 0.03 | *(99)* |
| 20.569 | 67.127 | 317.7 | 28.9 | AFT | 0.02 | *(99)* |
| 20.226 | 67.877 | 303.5 | 35.9 | AFT | 0.02 | *(99)* |
| 20.209 | 67.869 | 267.9 | 29.3 | AFT | 0.02 | *(99)* |
| 20.183 | 67.842 | 225.1 | 22.5 | AFT | 0.03 | *(99)* |
| 20.183 | 67.842 | 212.4 | 23.5 | AFT | 0.01 | *(99)* |
| 19.929 | 67.991 | 242.7 | 22.7 | AFT | 0.02 | *(99)* |
| 19.924 | 69.264 | 170.4 | 14.9 | AFT | 0.03 | *(99)* |
| 19.146 | 69.606 | 229.9 | 25.5 | AFT | 0.02 | *(99)* |
| 19.109 | 69.609 | 241.4 | 26.1 | AFT | 0.03 | *(99)* |
| 19.105 | 69.601 | 189 | 18.6 | AFT | 0.03 | *(99)* |
| 19.066 | 69.608 | 202.6 | 19.7 | AFT | 0.04 | *(99)* |
| 18.951 | 69.626 | 216.2 | 22.1 | AFT | 0.03 | *(99)* |
| 18.745 | 67.836 | 112.8 | 13.8 | AFT | 0.02 | *(99)* |
| 18.565 | 67.872 | 157.3 | 20.9 | AFT | 0.03 | *(99)* |
| 18.544 | 67.926 | 220.4 | 24.8 | AFT | 0.04 | *(99)* |
| 18.538 | 67.877 | 204.6 | 23.6 | AFT | 0.03 | *(99)* |
| 18.35 | 67.483 | 243 | 23.9 | AFT | 0.03 | *(99)* |

| Longitude | Latitude | Age* (My) | Error* (My) | System | Erosion rate [mm/year] | Ref. |
|---|---|---|---|---|---|---|
| 17.978 | 69.236 | 173 | 17.1 | AFT | 0.02 | *(99)* |
| 17.888 | 68.516 | 134 | 16.1 | AFT | 0.02 | *(99)* |
| 17.778 | 68.417 | 124.3 | 12.3 | AFT | 0.01 | *(99)* |
| 17.575 | 69.089 | 167.7 | 20.6 | AFT | 0.02 | *(99)* |
| 16.437 | 68.56 | 179.7 | 20.9 | AFT | 0.02 | *(99)* |
| 16.08 | 69.306 | 128.2 | 13.7 | AFT | 0.02 | *(99)* |
| 16.055 | 67.097 | 113.5 | 11.7 | AFT | 0.02 | *(99)* |
| 16.023 | 67.826 | 89.9 | 8.3 | AFT | 0.02 | *(99)* |
| 16.01 | 69.277 | 141.8 | 14.4 | AFT | 0.02 | *(99)* |
| 15.889 | 67.921 | 89.4 | 9.6 | AFT | 0.02 | *(99)* |
| 15.512 | 67.229 | 143.6 | 16.7 | AFT | 0.02 | *(99)* |
| 14.839 | 68.423 | 149.2 | 15.1 | AFT | 0.02 | *(99)* |
| 12.987 | 67.877 | 129.4 | 15.2 | AFT | 0.03 | *(99)* |
| 20.995 | 67.649 | 322.4 | 36.1 | AFT | 0.02 | *(99)* |
| 16.509 | 66.605 | 283 | 20 | AFT | 0.02 | (*100*) |
| 20.7 | 67.2 | 158 | 32 | AFT | 0.02 | (*101*) |
| 20.5 | 67.8 | 411 | 65 | AFT | 0.03 | *(101)* |
| 19.5 | 68.3 | 195 | 35 | AFT | 0.03 | *(101)* |
| 19.5 | 68.3 | 221 | 39 | AFT | 0.03 | *(101)* |
| 19.5 | 67.7 | 181 | 31 | AFT | 0.03 | *(101)* |
| 19.5 | 67.7 | 225 | 37 | AFT | 0.03 | *(101)* |
| | | | | | | |
| **Svalbard** | | | | | | |
| 11.595 | 79.593 | 78 | 6 | AFT | 0.05 | (*102*) |
| 11.659 | 79.632 | 92 | 7 | AFT | 0.04 | *(102)* |
| 15.803 | 79.709 | 171 | 84 | AFT | 0.02 | *(102)* |
| 15.809 | 79.824 | 137 | 17 | AFT | 0.03 | *(102)* |
| 15.736 | 79.719 | 76 | 18 | AFT | 0.05 | *(102)* |
| 16.769 | 79.763 | 97 | 35 | AFT | 0.04 | *(102)* |
| 15.999 | 79.611 | 175 | 30 | AFT | 0.02 | *(102)* |
| 17.46 | 79.013 | 62 | 5 | AFT | 0.06 | *(102)* |
| 17.67 | 79.025 | 64 | 5 | AFT | 0.06 | *(102)* |
| 17.989 | 79.034 | 84 | 5 | AFT | 0.04 | *(102)* |
| 12.206 | 79.521 | 108 | 5 | AFT | 0.03 | *(102)* |
| 15.972 | 79.699 | 109 | 9 | AFT | 0.03 | *(102)* |
| 15.972 | 79.699 | 131 | 10 | AFT | 0.03 | *(102)* |
| 16.441 | 79.839 | 116 | 6 | AFT | 0.03 | *(102)* |
| 16.441 | 79.839 | 130 | 8 | AFT | 0.03 | *(102)* |
| 16.513 | 79.84 | 75 | 9 | AFT | 0.05 | *(102)* |
| 16.418 | 79.826 | 137 | 16 | AFT | 0.03 | *(102)* |
| 16.368 | 79.842 | 138 | 11 | AFT | 0.03 | *(102)* |
| 15.931 | 79.783 | 121 | 11 | AFT | 0.03 | *(102)* |

| Longitude | Latitude | Age* (My) | Error* (My) | System | Erosion rate [mm/year] | Ref. |
|---|---|---|---|---|---|---|
| 16.531 | 78.928 | 80 | 9 | AFT | 0.05 | *(102)* |
| 16.194 | 79.246 | 82 | 6 | AFT | 0.04 | *(102)* |
| 23.135 | 80.108 | 133 | 5 | AFT | 0.03 | *(102)* |
| 22.459 | 80.166 | 130 | 5 | AFT | 0.03 | *(102)* |
| 22.182 | 79.979 | 173 | 8 | AFT | 0.02 | *(102)* |
| 23.238 | 80.169 | 126 | 33 | AFT | 0.03 | *(102)* |
| 21.265 | 80.217 | 128 | 9 | AFT | 0.03 | *(102)* |
| 23.764 | 80.228 | 114 | 17 | AFT | 0.03 | *(102)* |
| 24.847 | 80.336 | 214 | 10 | AFT | 0.02 | *(102)* |
| | | | | | | |
| | | | **Rhône** | | | |
| 7.458051 | 46.14778 | 13.1 | 1.6 | AFT | 0.28 | (*103*) |
| 7.695287 | 45.95454 | 12.7 | 1 | AFT | 0.29 | *(103)* |
| 7.695287 | 45.95454 | 14.8 | 1.3 | AFT | 0.25 | *(103)* |
| 7.695287 | 45.95454 | 33.5 | 1.9 | ZFT | 0.20 | *(103)* |
| 7.695287 | 45.95454 | 33.3 | 2.4 | ZFT | 0.20 | *(103)* |
| 7.800845 | 46.41212 | 8.9 | 0.8 | ZFT | 0.75 | (*104*) |
| 7.738836 | 46.40403 | 6.7 | 0.9 | AFT | 0.55 | (*105*) |
| 7.741793 | 46.39782 | 8.1 | 0.7 | AFT | 0.45 | *(105)* |
| 7.747095 | 46.39258 | 7 | 0.8 | AFT | 0.52 | *(105)* |
| 7.764565 | 46.37868 | 7 | 1 | AFT | 0.52 | *(105)* |
| 7.784384 | 46.34713 | 7.5 | 0.5 | AFT | 0.49 | *(105)* |
| 7.790083 | 46.34451 | 5.9 | 0.6 | AFT | 0.62 | *(105)* |
| 7.741793 | 46.39782 | 4.4 | 2 | AHe | 0.45 | *(105)* |
| 7.784384 | 46.34713 | 5.4 | 1.8 | AHe | 0.37 | *(105)* |
| 7.074164 | 46.09088 | 11.4 | 1 | ZFT | 0.58 | (*106*) |
| 7.11621 | 45.88933 | 17 | 1.6 | ZFT | 0.39 | *(106)* |
| 7.126825 | 46.08393 | 11.2 | 1.3 | ZFT | 0.60 | *(106)* |
| 7.156702 | 46.08122 | 13.5 | 0.9 | ZFT | 0.49 | *(106)* |
| 7.165562 | 46.09321 | 13.4 | 1.5 | ZFT | 0.50 | *(106)* |
| 7.17603 | 46.09422 | 16.3 | 1.8 | ZFT | 0.41 | *(106)* |
| 7.215615 | 46.08954 | 17.7 | 2.3 | ZFT | 0.38 | *(106)* |
| 7.227902 | 46.0883 | 19.7 | 1.6 | ZFT | 0.34 | *(106)* |
| 7.230226 | 46.15694 | 25.9 | 2.6 | ZFT | 0.26 | *(106)* |
| 7.356604 | 46.21855 | 22.9 | 1.6 | ZFT | 0.29 | *(106)* |
| 7.074164 | 46.09088 | 5.7 | 0.4 | AFT | 0.64 | *(106)* |
| 7.093571 | 46.08869 | 3.2 | 0.4 | AFT | 1.15 | *(106)* |
| 7.122096 | 46.09696 | 1.8 | 0.15 | AFT | 2.04 | *(106)* |
| 7.126825 | 46.08393 | 1.4 | 0.15 | AFT | 2.62 | *(106)* |
| 7.164431 | 46.16382 | 3.1 | 0.2 | AFT | 1.18 | *(106)* |
| 7.227902 | 46.0883 | 6.1 | 0.7 | AFT | 0.60 | *(106)* |
| 7.258895 | 46.05966 | 11.3 | 2.1 | AFT | 0.32 | *(106)* |

| **Longitude** | **Latitude** | **Age* (My)** | **Error* (My)** | **System** | **Erosion rate [mm/year]** | **Ref.** |
|---|---|---|---|---|---|---|
| 7.276508 | 46.04647 | 10.8 | 4 | AFT | 0.34 | *(106)* |
| 7.295145 | 46.03345 | 13.3 | 6 | AFT | 0.28 | *(106)* |
| 7.011996 | 45.98874 | 15.7 | 1.6 | ZFT | 0.42 | (*107*) |
| 7.030244 | 46.15469 | 17.2 | 1.7 | ZFT | 0.39 | *(107)* |
| 7.088627 | 45.98258 | 12.2 | 1.2 | ZFT | 0.55 | *(107)* |
| 7.486721 | 46.37064 | 216 | 27 | ZFT | 0.03 | *(107)* |
| 7.549175 | 46.27942 | 25.6 | 2.9 | ZFT | 0.26 | *(107)* |
| 7.601914 | 46.21459 | 23.6 | 3 | ZFT | 0.28 | *(107)* |
| 7.634266 | 46.09382 | 35.6 | 2.9 | ZFT | 0.19 | *(107)* |
| 7.71228 | 46.2581 | 22.3 | 2.3 | ZFT | 0.30 | *(107)* |
| 7.71321 | 46.31387 | 9.1 | 0.9 | ZFT | 0.73 | *(107)* |
| 7.746943 | 46.42465 | 117 | 12 | ZFT | 0.06 | *(107)* |
| 7.774872 | 46.1032 | 27.5 | 2.5 | ZFT | 0.24 | *(107)* |
| 7.82574 | 46.25552 | 19.8 | 1.9 | ZFT | 0.34 | *(107)* |
| 7.860434 | 46.34805 | 7.9 | 0.8 | ZFT | 0.84 | *(107)* |
| 7.866206 | 46.30557 | 8 | 0.8 | ZFT | 0.83 | *(107)* |
| 7.980214 | 46.07497 | 17.5 | 1.5 | ZFT | 0.38 | *(107)* |
| 8.003653 | 46.34158 | 10.1 | 0.9 | ZFT | 0.66 | *(107)* |
| 8.080791 | 46.18617 | 10.1 | 1 | ZFT | 0.66 | *(107)* |
| 8.09313 | 46.42638 | 11.7 | 1.1 | ZFT | 0.57 | *(107)* |
| 8.105879 | 46.15121 | 16.8 | 1.5 | ZFT | 0.40 | *(107)* |
| 8.105879 | 46.15121 | 14.9 | 1.2 | ZFT | 0.45 | *(107)* |
| 8.125577 | 46.16332 | 17.7 | 1.9 | ZFT | 0.38 | *(107)* |
| 8.126125 | 46.16575 | 11.6 | 1 | ZFT | 0.57 | *(107)* |
| 8.137647 | 46.196 | 9.4 | 1 | ZFT | 0.71 | *(107)* |
| 7.011996 | 45.98874 | 9.3 | 2 | AFT | 0.39 | *(107)* |
| 7.016673 | 45.98471 | 6.7 | 1.2 | AFT | 0.55 | *(107)* |
| 7.022908 | 46.20009 | 3.7 | 0.4 | AFT | 0.99 | *(107)* |
| 7.030244 | 46.15469 | 3.5 | 0.4 | AFT | 1.05 | *(107)* |
| 7.034207 | 46.01302 | 5.6 | 0.9 | AFT | 0.65 | *(107)* |
| 7.068751 | 46.10742 | 3.9 | 0.6 | AFT | 0.94 | *(107)* |
| 7.088627 | 45.98258 | 4.8 | 0.7 | AFT | 0.76 | *(107)* |
| 7.164923 | 46.14322 | 2.4 | 0.3 | AFT | 1.53 | *(107)* |
| 7.230797 | 46.07509 | 6.6 | 0.8 | AFT | 0.56 | *(107)* |
| 7.254517 | 46.24703 | 5.3 | 1 | AFT | 0.69 | *(107)* |
| 7.274454 | 46.1282 | 10.1 | 1.5 | AFT | 0.36 | *(107)* |
| 7.486721 | 46.37064 | 5.6 | 0.7 | AFT | 0.65 | *(107)* |
| 7.549175 | 46.27942 | 13.4 | 1.5 | AFT | 0.27 | *(107)* |
| 7.560199 | 46.16166 | 9.8 | 2.3 | AFT | 0.37 | *(107)* |
| 7.601914 | 46.21459 | 11.7 | 2.6 | AFT | 0.31 | *(107)* |
| 7.634266 | 46.09382 | 10.6 | 1.2 | AFT | 0.35 | *(107)* |
| 7.71228 | 46.2581 | 10.8 | 1.3 | AFT | 0.34 | *(107)* |

| Longitude | Latitude | Age* (My) | Error* (My) | System | Erosion rate [mm/year] | Ref. |
|---|---|---|---|---|---|---|
| 7.82574 | 46.25552 | 7.2 | 1.1 | AFT | 0.51 | *(107)* |
| 8.125577 | 46.16332 | 5.2 | 0.7 | AFT | 0.71 | *(107)* |
| 8.126125 | 46.16575 | 3.6 | 0.6 | AFT | 1.02 | *(107)* |
| 8.137647 | 46.196 | 2.4 | 0.6 | AFT | 1.53 | *(107)* |
| 7.774872 | 46.1032 | 9.5 | 1.5 | AFT | 0.39 | *(107)* |
| 8.107853 | 46.15389 | 11.1 | 3.5 | AFT | 0.33 | *(107)* |
| 7.71321 | 46.31387 | 3.8 | 0.4 | AFT | 0.96 | (*104*, *107*) |
| 7.744232 | 46.42848 | 5.5 | 0.7 | AFT | 0.67 | *(104, 107)* |
| 7.746943 | 46.42465 | 6.8 | 0.8 | AFT | 0.54 | *(104, 107)* |
| 7.860434 | 46.34805 | 3.6 | 0.6 | AFT | 1.02 | *(104, 107)* |
| 7.866206 | 46.30557 | 1.7 | 0.2 | AFT | 2.16 | *(104, 107)* |
| 8.09313 | 46.42638 | 5.6 | 0.6 | AFT | 0.65 | *(104, 107)* |
| 8.091414 | 46.18638 | 2.9 | 0.6 | AFT | 1.26 | (*107*–*109*) |
| 8.120622 | 46.17091 | 3.4 | 0.9 | AFT | 1.08 | *(107-109)* |
| 7.917 | 46.344 | 4.6 | 0.2 | AHe | 0.43 | (*110*) |
| 7.919 | 46.327 | 4.3 | 0.5 | AHe | 0.47 | *(110)* |
| 7.931 | 46.322 | 3 | 0.6 | AHe | 0.67 | *(110)* |
| 7.938 | 46.318 | 2.9 | 0.4 | AHe | 0.69 | *(110)* |
| 7.983 | 46.33 | 3.1 | 0.6 | AHe | 0.65 | *(110)* |
| 7.953 | 46.31 | 1.6 | 0.5 | AHe | 1.25 | *(110)* |
| 7.102 | 46.165 | 6.7 | 1.1 | AHe | 0.30 | *(110)* |
| 7.108 | 46.162 | 7.5 | 0.6 | AHe | 0.27 | *(110)* |
| 7.107 | 46.158 | 5.3 | 0.3 | AHe | 0.38 | *(110)* |
| 7.108 | 46.156 | 6.4 | 1 | AHe | 0.31 | *(110)* |
| 7.127 | 46.158 | 4.9 | 1 | AHe | 0.41 | *(110)* |
| 7.116 | 46.149 | 4.6 | 0.4 | AHe | 0.43 | *(110)* |
| 7.086 | 46.126 | 4.4 | 0.5 | AHe | 0.45 | *(110)* |
| 7.179977 | 45.88601 | 31.5 | | ZFT | 0.21 | Vance, published in *(2)* |
| 7.192981 | 45.985 | 29.5 | | ZFT | 0.23 | Vance, published in *(2)* |
| 7.486994 | 46.034 | 35.9 | | ZFT | 0.19 | Vance, published in *(2)* |
| 8.357095 | 46.5608 | 7.1 | 0.9 | AFT | 0.52 | (*111*) |
| 7.829966 | 46.21187 | 4.9 | 0.49 | AFT | 0.75 | (*108*, *109*) |
| 7.835936 | 46.14213 | 10.4 | 1.04 | AFT | 0.35 | *(108, 109)* |
| 7.917697 | 46.09459 | 6.4 | 0.64 | AFT | 0.57 | *(108, 109)* |
| 7.74031 | 46.40151 | 4.6 | 0.46 | AFT | 0.80 | *(108, 109)* |
| 7.800845 | 46.41212 | 3.5 | 0.35 | AFT | 1.05 | *(108, 109)* |
| 7.892069 | 46.2004 | 4.6 | 0.46 | AFT | 0.80 | *(108, 109)* |
| 7.917697 | 46.09459 | 6.3 | 0.63 | AFT | 0.58 | *(108, 109)* |
| 7.934022 | 46.11251 | 5.5 | 0.55 | AFT | 0.67 | *(108, 109)* |

| **Longitude** | **Latitude** | **Age* (My)** | **Error* (My)** | **System** | **Erosion rate [mm/year]** | **Ref.** |
|---|---|---|---|---|---|---|
| 7.996238 | 46.06185 | 6.4 | 0.64 | AFT | 0.57 | *(108, 109)* |
| 7.998618 | 46.10501 | 7 | 0.7 | AFT | 0.52 | *(108, 109)* |
| 8.41536 | 46.51915 | 7.1 | 0.71 | AFT | 0.52 | *(108, 109)* |
| 8.426243 | 46.50849 | 6.3 | 0.63 | AFT | 0.58 | *(108, 109)* |
| 7.980214 | 46.07497 | 5.6 | 0.56 | AFT | 0.65 | (*107–109*) |
| 8.080791 | 46.18617 | 2.6 | 0.26 | AFT | 1.41 | (*107*) |
| 8.105879 | 46.15121 | 6.2 | 0.62 | AFT | 0.59 | *(107)* |
| 7.807043 | 46.27132 | 5.6 | 0.56 | AFT | 0.65 | (*109*) |
| 7.951678 | 46.27076 | 3.4 | 0.34 | AFT | 1.08 | *(109)* |
| 7.953479 | 46.25546 | 3.5 | 0.35 | AFT | 1.05 | *(109)* |
| 7.984674 | 46.26251 | 6.7 | 0.67 | AFT | 0.55 | *(109)* |
| 8.005834 | 46.33651 | 3 | 0.3 | AFT | 1.22 | *(109)* |
| 8.042652 | 46.29766 | 4.4 | 0.44 | AFT | 0.83 | *(109)* |
| 8.049401 | 46.29771 | 4.2 | 0.42 | AFT | 0.87 | *(109)* |
| 8.177114 | 46.39343 | 4.5 | 0.45 | AFT | 0.81 | *(109)* |
| 8.226788 | 46.34024 | 7.2 | 0.72 | AFT | 0.51 | *(109)* |
| 8.360407 | 46.54849 | 4.8 | 0.48 | AFT | 0.76 | *(109)* |
| 8.003653 | 46.34158 | 3.4 | 0.34 | AFT | 1.08 | (*104*, *107*, *109*) |
| 7.426636 | 46.16071 | 110 | -- | CRN [year] | 0.37 | (*42*) |
| 7.555878 | 46.05269 | 110 | -- | CRN | 6.44 | *(42)* |
| 7.555878 | 46.05269 | 240 | -- | CRN | 2.89 | *(42)* |
| 7.555878 | 46.05269 | 260 | -- | CRN | 2.68 | *(42)* |
| 7.555878 | 46.05269 | 390 | -- | CRN | 1.76 | *(42)* |
| 7.775821 | 46.09723 | 610 | -- | CRN | 1.13 | *(42)* |
| 7.790663 | 46.39408 | 580 | -- | CRN | 1.28 | *(42)* |
| 7.816601 | 46.00983 | 390 | -- | CRN | 1.87 | *(42)* |
| 7.817905 | 46.01163 | 1320 | -- | CRN | 0.52 | *(42)* |
| 7.820456 | 46.00712 | 360 | -- | CRN | 1.87 | *(42)* |
| 8.011139 | 46.3392 | 150 | -- | CRN | 4.65 | *(42)* |
| 8.102503 | 46.37469 | 550 | -- | CRN | 1.32 | *(42)* |
| 8.319154 | 46.50853 | 1080 | -- | CRN | 0.69 | *(42)* |
| | | | | | | |
| **Patagonia** | | | | | | |
| -69.3511 | -54.6874 | 27.2 | 5.8 | AFT | 0.13 | (*63*) |
| -69.3508 | -54.6926 | 18.5 | 3.3 | AFT | 0.20 | *(63)* |
| -69.6178 | -54.746 | 21.9 | 2.7 | AFT | 0.17 | *(63)* |
| -69.6203 | -54.7527 | 28.8 | 4.7 | AFT | 0.13 | *(63)* |
| -70.3071 | -54.7931 | 17.3 | 2.2 | AFT | 0.22 | *(63)* |
| -70.3544 | -54.8551 | 9.1 | 2.7 | AFT | 0.44 | *(63)* |
| -69.5452 | -54.8735 | 30.8 | 4.1 | AFT | 0.12 | *(63)* |
| -69.4631 | -54.8962 | 35.9 | 3.9 | AFT | 0.11 | *(63)* |
| -69.4072 | -54.9006 | 29.4 | 4.4 | AFT | 0.12 | *(63)* |

| Longitude | Latitude | Age* (My) | Error* (My) | System | Erosion rate [mm/year] | Ref. |
|---|---|---|---|---|---|---|
| -73.2935 | -53.1567 | 18.2 | 3.1 | AFT | 0.27 | *(63)* |
| -73.1035 | -53.345 | 18.3 | 3.1 | AFT | 0.27 | *(63)* |
| -72.9127 | -53.4297 | 19.8 | 3.1 | AFT | 0.25 | *(63)* |
| -72.3527 | -53.5327 | 18.6 | 3.3 | AFT | 0.26 | *(63)* |
| -72.4032 | -53.57 | 19 | 3.5 | AFT | 0.26 | *(63)* |
| -72.4032 | -53.57 | 7.66 | 0.43 | AHe | 0.27 | *(63)* |
| -72.4032 | -53.57 | 10.69 | 1.83 | AHe | 0.18 | *(63)* |
| -72.4032 | -53.57 | 9.75 | 1.16 | AHe | 0.20 | *(63)* |
| -72.3527 | -53.5327 | 6.29 | 0.73 | AHe | 0.34 | *(63)* |
| -72.3527 | -53.5327 | 8.17 | 1.28 | AHe | 0.25 | *(63)* |
| -72.3527 | -53.5327 | 10.61 | 1.18 | AHe | 0.19 | *(63)* |
| -72.5588 | -53.5093 | 12.14 | 0.58 | AHe | 0.16 | *(63)* |
| -72.5588 | -53.5093 | 14.52 | 0.77 | AHe | 0.13 | *(63)* |
| -72.9127 | -53.4297 | 11.17 | 0.62 | AHe | 0.18 | *(63)* |
| -72.9127 | -53.4297 | 15.3 | 3.08 | AHe | 0.12 | *(63)* |
| -72.5938 | -53.4205 | 11.94 | 0.65 | AHe | 0.16 | *(63)* |
| -73.1035 | -53.345 | 7.71 | 0.57 | AHe | 0.27 | *(63)* |
| -73.1035 | -53.345 | 12.65 | 0.42 | AHe | 0.15 | *(63)* |
| -73.2935 | -53.1567 | 10.09 | 0.25 | AHe | 0.20 | *(63)* |
| | | | | | | |
| **Central Himalayas** | | | | | | |
| 87.151 | 26.848 | 0.6 | - | CRN [ky] | 1.00 | (*112*) |
| 87.151 | 26.848 | 1.2 | - | CRN | 0.50 | *(112)* |
| 87.151 | 26.848 | 0.7 | - | CRN | 0.90 | *(112)* |
| 86.725 | 25.543 | 0.75 | - | CRN | 0.80 | *(112)* |
| 87.32795 | 28.32557 | 9.3 | 1.6 | (U-Th)/He | 0.64 | (*113*) |
| 87.34344 | 28.16075 | 5.2 | 0.9 | (U-Th)/He | 1.15 | *(113)* |
| 87.3779 | 28.07256 | 2.4 | 0.2 | (U-Th)/He | 2.55 | *(113)* |
| 87.36294 | 27.71859 | 1.9 | 0.4 | (U-Th)/He | 3.10 | *(113)* |
| 87.36326 | 27.68617 | 1.9 | 0.3 | (U-Th)/He | 3.08 | *(113)* |
| 87.34866 | 27.64063 | 3 | 0 | (U-Th)/He | 1.98 | *(113)* |
| 87.32592 | 27.61013 | 5.4 | 0.8 | (U-Th)/He | 1.11 | *(113)* |
| 87.27118 | 27.5627 | 5.2 | 0.7 | (U-Th)/He | 1.16 | *(113)* |
| 87.16963 | 27.48586 | 6.3 | 0.9 | (U-Th)/He | 0.95 | *(113)* |
| 87.13879 | 27.44907 | 3.7 | 0.7 | (U-Th)/He | 1.63 | *(113)* |
| 87.17398 | 27.37131 | 4.6 | 0.7 | (U-Th)/He | 1.30 | *(113)* |
| 87.19312 | 27.35009 | 5.3 | 1.7 | (U-Th)/He | 1.14 | *(113)* |
| 87.25274 | 27.09443 | 9.7 | 1.4 | (U-Th)/He | 0.62 | *(113)* |
| 87.31367 | 26.93132 | 8.6 | 0.7 | (U-Th)/He | 0.70 | *(113)* |
| 87.3234 | 27.70102 | 1.9 | 0.3 | (U-Th)/He | 3.08 | *(113)* |
| 87.19837 | 27.72844 | 2.5 | 0.4 | (U-Th)/He | 2.40 | *(113)* |
| 87.15656 | 27.78867 | 4.1 | 0.7 | (U-Th)/He | 1.45 | *(113)* |

| Longitude | Latitude | Age* (My) | Error* (My) | System | Erosion rate [mm/year] | Ref. |
|---|---|---|---|---|---|---|
| 87.08285 | 27.83099 | 4.2 | 0.6 | (U-Th)/He | 1.43 | *(113)* |
| 86.84572 | 28.16815 | 10.5 | 1.3 | (U-Th)/He | 0.57 | *(113)* |
| 87.19891 | 27.44656 | 14.9 | 2.9 | Ar/Ar | 0.74 | *(113)* |
| 87.24045 | 27.48158 | 9.6 | 0.5 | Ar/Ar | 1.15 | *(113)* |
| 87.27085 | 27.52159 | 10.2 | 0.5 | Ar/Ar | 1.08 | *(113)* |
| 87.27118 | 27.5627 | 12.8 | 3.5 | Ar/Ar | 0.86 | *(113)* |
| 87.27327 | 27.56478 | 16.9 | 5.1 | Ar/Ar | 0.65 | *(113)* |
| 87.2723 | 27.56471 | 15.7 | 3.7 | Ar/Ar | 0.70 | *(113)* |
| 87.2676 | 27.59143 | 14.9 | 1.4 | Ar/Ar | 0.74 | *(113)* |
| 87.26477 | 27.61003 | 8.5 | 0.3 | Ar/Ar | 1.29 | *(113)* |
| 87.23507 | 27.62432 | 8.2 | 0.2 | Ar/Ar | 1.34 | *(113)* |
| 87.22486 | 27.63135 | 8.3 | 1.3 | Ar/Ar | 1.32 | *(113)* |
| 87.2136 | 27.64352 | 7.9 | 0.8 | Ar/Ar | 1.40 | *(113)* |
| 87.36294 | 27.71859 | 5.8 | 0.4 | Ar/Ar | 1.90 | *(113)* |
| 87.36176 | 27.69293 | 9.2 | 0.9 | Ar/Ar | 1.19 | *(113)* |
| 87.36326 | 27.68617 | 7.8 | 0.5 | Ar/Ar | 1.41 | *(113)* |
| 87.34866 | 27.64063 | 8.4 | 0.8 | Ar/Ar | 1.31 | *(113)* |
| 87.32592 | 27.61013 | 8.4 | 0.5 | Ar/Ar | 1.31 | *(113)* |
| 87.21541 | 27.52523 | 19.7 | 6.3 | Ar/Ar | 0.56 | *(113)* |
| 87.16963 | 27.48586 | 16.4 | 2.4 | Ar/Ar | 0.67 | *(113)* |
| 87.13879 | 27.44907 | 15.7 | 3 | Ar/Ar | 0.70 | *(113)* |
| 87.14009 | 27.39522 | 15.3 | 4.4 | Ar/Ar | 0.72 | *(113)* |
| 87.19312 | 27.35009 | 66 | 39.8 | Ar/Ar | 0.17 | *(113)* |
| | | | | | | |
| **Taiwan** | | | | | | |
| 121.1501 | 24.0493 | 2.06 | 0.19 | ZHe | 3.16 | (*114*) |
| 121.1544 | 24.2503 | 1.46 | 0.1 | ZHe | 4.45 | *(114)* |
| 121.3065 | 24.1805 | 0.85 | 0.21 | ZHe | 7.65 | *(114)* |
| 121.2238 | 24.1156 | 23.27 | - | ZHe | 0.28 | *(114)* |
| 121.2921 | 24.2005 | 3.68 | 1.89 | ZHe | 1.77 | *(114)* |
| 121.1459 | 24.0335 | 11.42 | - | ZHe | 0.57 | *(114)* |
| 121.2593 | 24.2235 | 31.5 | - | ZHe | 0.21 | *(114)* |
| 121.1229 | 24.2514 | 1.49 | 0.14 | ZHe | 4.36 | *(114)* |
| 121.0909 | 24.2515 | 1.51 | 0.02 | ZHe | 4.30 | *(114)* |
| 121.05 | 24.2305 | 2.02 | 0.11 | ZHe | 3.22 | *(114)* |
| 121.0063 | 24.2117 | 1.98 | 0.06 | ZHe | 3.28 | *(114)* |
| 120.9108 | 24.1886 | 22.7 | - | ZHe | 0.29 | *(114)* |
| 121.3729 | 24.1906 | 1.12 | 0.23 | ZHe | 5.80 | *(114)* |
| 121.4753 | 24.1924 | 0.49 | 0.03 | ZHe | 13.27 | *(114)* |
| 121.584 | 24.1772 | 1.02 | 0.11 | ZHe | 6.37 | *(114)* |
| 121.587 | 24.1694 | 1.11 | 0.14 | ZHe | 5.86 | *(114)* |
| 121.1324 | 23.1351 | 0.57 | 0.04 | ZHe | 11.40 | *(114)* |

| Longitude | Latitude | Age* (My) | Error* (My) | System | Erosion rate [mm/year] | Ref. |
|---|---|---|---|---|---|---|
| 121.0824 | 23.1414 | 0.46 | 0.02 | ZHe | 14.13 | *(114)* |
| 121.0114 | 23.1845 | 0.57 | 0.08 | ZHe | 11.40 | *(114)* |
| 121.0153 | 23.2129 | 0.7 | 0.05 | ZHe | 9.29 | *(114)* |
| 121.0006 | 23.2274 | 0.76 | 0.08 | ZHe | 8.55 | *(114)* |
| 120.8427 | 23.2623 | 24.07 | - | ZHe | 0.27 | *(114)* |
| 120.9516 | 23.7959 | 2.93 | 0.43 | ZHe | 2.22 | *(114)* |
| 121.4 | 24.5 | 381 | 190 | CRN [year] | 2.00 | (*115*) |
| 121.2 | 24.3 | 414 | 96 | CRN | 1.80 | *(115)* |
| 121.3 | 24.4 | 558 | 187 | CRN | 1.40 | *(115)* |
| 121.3 | 24.4 | 156 | 43 | CRN | 4.90 | *(115)* |
| 121.3 | 24.3 | 601 | 193 | CRN | 1.30 | *(115)* |
| 121.3 | 24.3 | 126 | 32 | CRN | 6.10 | *(115)* |
| 121 | 24.1 | 1029 | 224 | CRN | 0.70 | *(115)* |
| 120.9 | 24.1 | 832 | 177 | CRN | 0.90 | *(115)* |
| 121.1 | 24.1 | 745 | 188 | CRN | 1.00 | *(115)* |
| 121 | 24 | 3378 | 566 | CRN | 0.20 | *(115)* |
| 121.1 | 24.1 | 417 | 100 | CRN | 1.80 | *(115)* |
| 121.1 | 24 | 1006 | 296 | CRN | 0.80 | *(115)* |
| 121 | 23.7 | 336 | 80 | CRN | 2.30 | *(115)* |
| 121 | 23.8 | 435 | 93 | CRN | 1.80 | *(115)* |
| 121.1 | 23.8 | 203 | 58 | CRN | 3.80 | *(115)* |
| 121.1 | 23.8 | 76 | 25 | CRN | 10.00 | *(115)* |
| 121.1 | 23.8 | 621 | 115 | CRN | 1.20 | *(115)* |
| 120.9 | 23.3 | 270 | 77 | CRN | 2.80 | *(115)* |
| 120.8 | 23.1 | 330 | 83 | CRN | 2.30 | *(115)* |
| 121.6 | 24.4 | 224 | 94 | CRN | 3.40 | *(115)* |
| 121.5 | 24.3 | 121 | 44 | CRN | 6.30 | *(115)* |
| 121.4 | 24.2 | 173 | 49 | CRN | 4.40 | *(115)* |
| 121.4 | 24.2 | 738 | 234 | CRN | 1.00 | *(115)* |
| 121.6 | 24.2 | 410 | 119 | CRN | 1.90 | *(115)* |
| 121.4 | 24 | 231 | 79 | CRN | 3.30 | *(115)* |
| 121.4 | 24 | 158 | 53 | CRN | 4.80 | *(115)* |
| 121.4 | 24 | 118 | 35 | CRN | 6.50 | *(115)* |
| 121.1 | 23.2 | 306 | 77 | CRN | 2.50 | *(115)* |
| 121 | 23.2 | 144 | 42 | CRN | 5.30 | *(115)* |
| 121 | 23.2 | 87 | 40 | CRN | 8.80 | *(115)* |
| 121 | 23.2 | 108 | 42 | CRN | 7.00 | *(115)* |
| 121 | 23.2 | 140 | 44 | CRN | 5.40 | *(115)* |
| 121 | 23.1 | 186 | 56 | CRN | 4.10 | *(115)* |
| 120.9 | 22.9 | 322 | 69 | CRN | 2.40 | *(115)* |
| 120.9 | 22.9 | 246 | 72 | CRN | 3.10 | *(115)* |
| 120.93 | 22.92 | 230 | 60 | CRN | 3.30 | *(115)* |

| Longitude | Latitude | Age* (My) | Error* (My) | System | Erosion rate [mm/year] | Ref. |
|---|---|---|---|---|---|---|
| 120.621 | 23.073 | 5.59 | 0.61 | AFT | 0.63 | (*116*) |
| 120.65 | 23.034 | 3.37 | 0.64 | AFT | 1.04 | *(116)* |
| 120.662 | 23.048 | 2.6 | 1.1 | AFT | 1.35 | *(116)* |
| 121.017 | 22.65 | 0.7 | 0.3 | AFT | 5.00 | *(116)* |
| 121.042 | 22.767 | 0.4 | 0.1 | AFT | 8.75 | *(116)* |
| 121.067 | 22.9 | 0.7 | 0.2 | AFT | 5.00 | *(116)* |
| 121.3 | 23.432 | 0.6 | 0.2 | AFT | 5.83 | *(116)* |
| 121.01 | 22.648 | 0.918 | 0.35 | AFT | 3.81 | *(116)* |
| 120.98 | 22.592 | 1.41 | 1 | AFT | 2.48 | *(116)* |
| 120.952 | 22.511 | 1.17 | 0.37 | AFT | 2.99 | *(116)* |
| 120.891 | 22.377 | 2.26 | 0.66 | AFT | 1.55 | *(116)* |
| 120.886 | 22.249 | 2.35 | 0.43 | AFT | 1.49 | *(116)* |
| 120.908 | 22.589 | 0.388 | 0.17 | AFT | 9.02 | *(116)* |
| 120.932 | 22.623 | 0.754 | 0.25 | AFT | 4.64 | *(116)* |
| 120.931 | 22.616 | 0.558 | 0.21 | AFT | 6.27 | *(116)* |
| 120.934 | 22.613 | 0.584 | 0.293 | AFT | 5.99 | *(116)* |
| 120.943 | 22.62 | 0.608 | 0.22 | AFT | 5.76 | *(116)* |
| 120.841 | 22.269 | 1.6 | 0.34 | AFT | 2.19 | *(116)* |
| 120.762 | 22.216 | 1.83 | 0.56 | AFT | 1.91 | *(116)* |
| 120.831 | 21.957 | 27.9 | 2 | AFT | 0.13 | *(116)* |
| 120.883 | 22.155 | 2.26 | 0.38 | AFT | 1.55 | *(116)* |
| 120.787 | 22.041 | 3.95 | 1.42 | AFT | 0.89 | *(116)* |
| 120.792 | 22.034 | 5.49 | 1.2 | AFT | 0.64 | *(116)* |
| 120.824 | 22.161 | 1.69 | 0.36 | AFT | 2.07 | *(116)* |
| 120.632 | 22.389 | 3.11 | 0.64 | AFT | 1.13 | *(116)* |
| 120.7 | 22.529 | 2.37 | 0.64 | AFT | 1.48 | *(116)* |
| 120.648 | 22.713 | 3.58 | 0.66 | AFT | 0.98 | *(116)* |
| 120.52 | 23.082 | 31.9 | 2.4 | AFT | 0.11 | *(116)* |
| 120.544 | 23.071 | 22.8 | 1.3 | AFT | 0.15 | *(116)* |
| 120.621 | 23.073 | 5.59 | 0.61 | AFT | 0.63 | *(116)* |
| 120.659 | 23.031 | 3.37 | 0.64 | AFT | 1.04 | *(116)* |
| 120.67 | 23.046 | 2.62 | 1.08 | AFT | 1.34 | *(116)* |
| 120.61 | 23.438 | 33.6 | 2.3 | AFT | 0.10 | *(116)* |
| 120.617 | 23.432 | 29.3 | 2 | AFT | 0.12 | *(116)* |
| 120.728 | 23.465 | 32.4 | 2 | AFT | 0.11 | *(116)* |
| 120.821 | 23.512 | 28.2 | 8.6 | AFT | 0.12 | *(116)* |
| 120.841 | 23.284 | 2.01 | 0.64 | AFT | 1.74 | *(116)* |
| 120.942 | 23.263 | 1.5 | 1.06 | AFT | 2.33 | *(116)* |
| 120.91 | 24.175 | 0.939 | 0.357 | AFT | 3.73 | *(116)* |
| 120.874 | 24.171 | 7.82 | 0.83 | AFT | 0.45 | *(116)* |
| 120.817 | 23.892 | 11.4 | 1.2 | AFT | 0.31 | *(116)* |
| 120.73 | 24.197 | 28.5 | 1.6 | AFT | 0.12 | *(116)* |

| **Longitude** | **Latitude** | **Age* (My)** | **Error* (My)** | **System** | **Erosion rate [mm/year]** | **Ref.** |
|---|---|---|---|---|---|---|
| 120.939 | 23.793 | 2.47 | 0.43 | AFT | 1.42 | *(116)* |
| 120.938 | 23.566 | 73 | 11 | AFT | 0.05 | *(116)* |
| 120.865 | 23.546 | 1.52 | 0.51 | AFT | 2.30 | *(116)* |
| 121.303 | 24.194 | 1.16 | 0.58 | AFT | 3.02 | *(116)* |
| 121.265 | 24.235 | 4.64 | 0.91 | AFT | 0.75 | *(116)* |
| 121.265 | 24.235 | 0.35 | 0.25 | AFT | 10.00 | *(116)* |
| 121.231 | 24.247 | 1.62 | 0.67 | AFT | 2.16 | *(116)* |
| 121.236 | 24.247 | 5.28 | 1.44 | AFT | 0.66 | *(116)* |
| 121.515 | 24.025 | 0.859 | 0.14 | AFT | 4.07 | *(116)* |
| 121.7597 | 24.4964 | 37 | 3.6 | Rb-Sr and K-Ar | 0.32 | (*117*) |
| 121.7597 | 24.4964 | 35 | 4.8 | Rb-Sr and K-Ar | 0.33 | *(117)* |
| 121.7597 | 24.4964 | 37.4 | 5.9 | Rb-Sr and K-Ar | 0.31 | *(117)* |
| 121.7594 | 24.4964 | 39.7 | 0.1 | Rb-Sr and K-Ar | 0.29 | *(117)* |
| 121.7594 | 24.4964 | 37 | 3 | Rb-Sr and K-Ar | 0.32 | *(117)* |
| 121.7576 | 24.5025 | 40.1 | 2 | Rb-Sr and K-Ar | 0.29 | *(117)* |
| 121.5772 | 24.1777 | 6.4 | 0.3 | Rb-Sr and K-Ar | 1.82 | *(117)* |
| 121.576 | 24.1803 | 3.5 | 0.5 | Rb-Sr and K-Ar | 3.33 | *(117)* |
| 121.5675 | 24.173 | 2.5 | 0.1 | Rb-Sr and K-Ar | 4.67 | *(117)* |
| 121.576 | 24.1803 | 4.2 | - | Rb-Sr and K-Ar | 2.78 | *(117)* |
| 121.7597 | 24.4964 | 33.1 | - | Rb-Sr and K-Ar | 0.35 | *(117)* |
| 121.7576 | 24.5025 | 38 | - | Rb-Sr and K-Ar | 0.31 | *(117)* |
| 121.8226 | 24.4922 | 88.2 | - | Rb-Sr and K-Ar | 0.13 | *(117)* |
| 120.7613 | 22.7285 | 23 | 1.2 | ZFT | 0.34 | (*118*) |
| 120.8538 | 22.7123 | 5.3 | 0.7 | ZFT | 1.48 | *(118)* |
| 120.8582 | 22.7259 | 3.6 | 0.4 | ZFT | 2.18 | *(118)* |
| 120.8765 | 22.7266 | 5.2 | 0.8 | ZFT | 1.51 | *(118)* |
| 120.9177 | 22.5278 | 5.4 | 0.6 | ZFT | 1.45 | *(118)* |
| 120.9419 | 22.5966 | 3.5 | 0.3 | ZFT | 2.24 | *(118)* |
| 120.9617 | 22.6 | 4.2 | 0.5 | ZFT | 1.87 | *(118)* |
| 120.983 | 22.6088 | 4.7 | 0.4 | ZFT | 1.67 | *(118)* |
| 121.7519 | 24.4904 | 0.85 | 0.1 | ZFT | 9.22 | (*119*) |
| 121.6806 | 24.3203 | 1.31 | 0.14 | ZFT | 5.98 | *(119)* |
| 121.7994 | 24.4637 | 0.45 | 0.04 | AFT | 7.78 | *(119)* |
| 121.7519 | 24.4904 | 0.25 | 0.06 | AFT | 14.00 | *(119)* |
| 121.7075 | 24.322 | 0.29 | 0.03 | AFT | 12.07 | *(119)* |
| 121.5757 | 24.4344 | 0.37 | 0.05 | AFT | 9.46 | *(119)* |

| Longitude | Latitude | Age* (My) | Error* (My) | System | Erosion rate [mm/year] | Ref. |
|---|---|---|---|---|---|---|
| 121.6806 | 24.3203 | 0.47 | 0.05 | AFT | 7.45 | *(119)* |
| 121.662 | 24.3166 | 0.48 | 0.06 | AFT | 7.29 | *(119)* |
| 121.5331 | 24.1447 | 0.53 | 0.05 | AFT | 6.60 | *(119)* |
| 121.5084 | 24.1542 | 0.51 | 0.06 | AFT | 6.86 | *(119)* |
| 121.5518 | 24.1598 | 0.58 | 0.07 | AFT | 6.03 | *(119)* |
| 121.587 | 24.1919 | 0.37 | 0.05 | AFT | 9.46 | *(119)* |
| 121.5663 | 24.1768 | 0.54 | 0.05 | AFT | 6.48 | *(119)* |
| 121.5516 | 24.1219 | 0.47 | 0.04 | AFT | 7.45 | *(119)* |
| 121.5785 | 24.1351 | 0.47 | 0.05 | AFT | 7.45 | *(119)* |
| 121.4856 | 24.1278 | 0.4 | 0.03 | AFT | 8.75 | *(119)* |
| 121.4837 | 24.1581 | 0.28 | 0.02 | AFT | 12.50 | *(119)* |
| 121.3127 | 23.4826 | 0.42 | 0.15 | AFT | 8.33 | *(119)* |
| 121.6072 | 24.8842 | 3.1 | 8.3 | ZFT | 2.53 | *(119)* |
| 121.08 | 24.249 | 2.9 | 7 | ZFT | 2.70 | *(119)* |
| 120.9384 | 23.9404 | 2.6 | 8.7 | ZFT | 3.01 | *(119)* |
| 121.5741 | 24.1811 | 1.6 | 0.9 / 0.6 | ZFT | 4.90 | (*120*) |
| 121.47 | 24.2087 | 1 | 0.5 / 0.4 | ZFT | 7.83 | *(120)* |
| 121.3676 | 24.1715 | 1.9 | 0.9 / 0.6 | ZFT | 4.12 | *(120)* |
| 121.3248 | 24.1955 | 2.9 | 1.4 / 0.9 | ZFT | 2.70 | *(120)* |
| 121.2803 | 24.2399 | 26.1 | 13.9 / 9.1 | ZFT | 0.30 | *(120)* |
| 121.2245 | 24.2707 | 26.9 | 14.9 / 9.6 | ZFT | 0.29 | *(120)* |
| 121.1668 | 24.2555 | 3.1 | 1.5 / 1 | ZFT | 2.53 | *(120)* |
| 121.1277 | 24.2453 | 4.3 | 2.4 / 1.5 | ZFT | 1.82 | *(120)* |
| 121.0551 | 24.2248 | 2.9 | 1.4 / 1 | ZFT | 2.70 | *(120)* |
| 120.9695 | 24.1839 | 33.7 | 17.3 / 11.5 | ZFT | 0.23 | *(120)* |
| 120.8728 | 24.177 | 60.6 | 30.5 / 20.3 | ZFT | 0.13 | *(120)* |
| 120.9659 | 23.8801 | 4.7 | 2.4 / 1.6 | ZFT | 1.67 | *(120)* |
| 121.0335 | 23.7802 | 2.9 | 1.5 / 1 | ZFT | 2.70 | *(120)* |
| 121.0021 | 23.7895 | 3.3 | 1.7 / 1.1 | ZFT | 2.37 | *(120)* |
| 120.8994 | 23.7903 | 32.4 | 18.3 / 11.7 | ZFT | 0.24 | *(120)* |
| 121.1155 | 23.1275 | 1.5 | 0.9 / 0.6 | ZFT | 5.22 | *(120)* |
| 121.0657 | 23.1446 | 3 | 1.7 / 1.1 | ZFT | 2.61 | *(120)* |
| 121.0233 | 23.1838 | 2.1 | 1.2 / 0.8 | ZFT | 3.73 | *(120)* |
| 120.9605 | 23.2572 | 2 | 1.1 / 0.7 | ZFT | 3.92 | *(120)* |
| 120.8921 | 23.2896 | 57.9 | 22 / 14.1 | ZFT | 0.14 | *(120)* |
| 120.8441 | 23.2913 | 51.2 | 27.4 / 17.9 | ZFT | 0.15 | *(120)* |
| 120.6968 | 23.0607 | 67.7 | 34.5 / 22.9 | ZFT | 0.12 | *(120)* |
| 120.6212 | 23.0656 | 89.2 | 44.3 / 29.7 | ZFT | 0.09 | *(120)* |
| 121.8411 | 24.5592 | 1.2 | +0.2 \| -0.2 | ZFT | 6.53 | *(120)* |
| 121.7834 | 24.8666 | 10.6 | +2.8 \| -2.3 | ZFT | 0.74 | *(120)* |
| 121.7489 | 24.8855 | 23.5 | +3.8 \| -3.3 | ZFT | 0.33 | *(120)* |
| 121.7129 | 24.91 | 29.1 | +6.8 \| 5.4 | ZFT | 0.27 | *(120)* |

| **Longitude** | **Latitude** | **Age* (My)** | **Error* (My)** | **System** | **Erosion rate [mm/year]** | **Ref.** |
|---|---|---|---|---|---|---|
| 121.691 | 24.9388 | 32.7 | +4.9 \| 4.3 | ZFT | 0.24 | *(120)* |
| 121.6376 | 24.9649 | 72.4 | +13.5 \| -11.2 | ZFT | 0.11 | *(120)* |
| 121.8511 | 25.1059 | 211 | +33.8 \| -29.1 | ZFT | 0.04 | *(120)* |
| 121.6545 | 25.1801 | 78.8 | +18 \| -14.4 | ZFT | 0.10 | *(120)* |
| 121.5497 | 24.6625 | 3.7 | +0.9 \| -0.7 | ZFT | 2.12 | *(120)* |
| 121.5213 | 24.6281 | 3.5 | +1 \| -0.8 | ZFT | 2.24 | *(120)* |
| 121.4774 | 24.6512 | 4.6 | +1.1 \| -0.9 | ZFT | 1.70 | *(120)* |
| 121.4382 | 24.6456 | 6.4 | +1.1 \| -1 | ZFT | 1.22 | *(120)* |
| 121.3943 | 24.6716 | 14.2 | +2.9 \| -2.5 | ZFT | 0.55 | *(120)* |
| 121.3567 | 24.7004 | 29.1 | +6.8 \| -5.5 | ZFT | 0.27 | *(120)* |
| 121.3443 | 24.7578 | 53.8 | +11.3 \| -9.2 | ZFT | 0.15 | *(120)* |
| 121.5062 | 24.7899 | 4.9 | +0.9 \| -0.8 | ZFT | 1.60 | *(120)* |
| 121.3414 | 24.8539 | 38.6 | +6.1 \| -5.3 | ZFT | 0.20 | *(120)* |
| 121.3272 | 24.8339 | 18.3 | +1.1 \| -1.1 | ZFT | 0.43 | *(120)* |
| 120.952 | 22.5702 | 6 | +1.3 \| -2.1 | ZFT | 1.31 | *(120)* |
| 120.8687 | 22.3606 | 44.4 | +6.1 \| -5.4 | ZFT | 0.18 | *(120)* |
| 120.8457 | 22.2816 | 62.5 | +18 \| -13.6 | ZFT | 0.13 | *(120)* |
| 120.801 | 22.2284 | 52.7 | +9.9 \| -8.3 | ZFT | 0.15 | *(120)* |
| 120.7486 | 22.2198 | 100.1 | +13.2 \| -11.8 | ZFT | 0.08 | *(120)* |
| 121.6027 | 24.167 | 66.8 | 0.3 | Ar-Ar | 0.27 | (*121*) |
| 121.7603 | 24.4908 | 73.3 | 0.5 | Ar-Ar | 0.25 | *(121)* |
| 121.762 | 24.5056 | 54.6 | 0.3 | Ar-Ar | 0.34 | *(121)* |
| 121.812 | 24.5369 | 69.9 | 0.8 | Ar-Ar | 0.26 | *(121)* |
| 121.5751 | 24.1785 | 7.7 | 0.1 | Ar-Ar | 1.65 | *(121)* |
| 121.5577 | 24.1831 | 11.4 | 0.2 | Ar-Ar | 1.11 | *(121)* |
| 121.5896 | 24.1909 | 8.2 | 0.1 | Ar-Ar | 1.54 | *(121)* |
| 121.6323 | 24.3774 | 12.7 | 0.1 | Ar-Ar | 1.00 | *(121)* |
| 121.7599 | 24.4908 | 20.1 | 0.2 | Ar-Ar | 0.63 | *(121)* |
| 121.762 | 24.5056 | 32.7 | 0.1 | Ar-Ar | 0.39 | *(121)* |
| 121.8134 | 24.4864 | 30.1 | 0.1 | Ar-Ar | 0.42 | *(121)* |
| 121.8201 | 24.5008 | 46.1 | 0.3 | Ar-Ar | 0.27 | *(121)* |
| 121.5896 | 24.1909 | 12 | 0.1 | Ar-Ar | 0.69 | *(121)* |
| 121.7603 | 24.4908 | 10.7 | 0.1 | Ar-Ar | 0.78 | *(121)* |
| 121.5577 | 24.1831 | 47.4 | 0.2 | Ar-Ar | 0.23 | *(121)* |
| 121.5577 | 24.1831 | 29 | 0.2 | Ar-Ar | 0.37 | *(121)* |
| 121.5896 | 24.1909 | 25.2 | 0.4 | Ar-Ar | 0.42 | *(121)* |
| 121.6323 | 24.3774 | 46.5 | 0.2 | Ar-Ar | 0.23 | *(121)* |
| 121.7603 | 24.4908 | 85.2 | 0.2 | Ar-Ar | 0.13 | *(121)* |
| 121.7603 | 24.4908 | 63.7 | 0.2 | Ar-Ar | 0.17 | *(121)* |
| 121.8134 | 24.4864 | 78.1 | 0.3 | Ar-Ar | 0.14 | *(121)* |
| 120.427 | 22.839 | 0.535 | 0.22 | AFT | 6.54 | (*122*) |

| Longitude | Latitude | Age* (My) | Error* (My) | System | Erosion rate [mm/year] | Ref. |
|---|---|---|---|---|---|---|
| 120.849 | 24.112 | 61.1 | 5.4 | AFT | 0.06 | *(122)* |
| 120.857 | 24.11 | 41.1 | 3.1 | AFT | 0.09 | *(122)* |
| 120.803 | 24.037 | 46.2 | 2.3 | AFT | 0.08 | *(122)* |
| 120.832 | 24.035 | 40.9 | 2.5 | AFT | 0.09 | *(122)* |
| 120.822 | 24.033 | 47.9 | 2.7 | AFT | 0.07 | *(122)* |
| 120.84 | 24.029 | 58.8 | 3.6 | AFT | 0.06 | *(122)* |
| 120.869 | 24.046 | 2.43 | 0.59 | AFT | 1.44 | *(122)* |
| 120.897 | 24.06 | 3.23 | 0.87 | AFT | 1.08 | *(122)* |
| 121.371 | 24.991 | 156 | 18 | AFT | 0.02 | *(122)* |
| 121.361 | 24.997 | 20.5 | 1.8 | AFT | 0.17 | *(122)* |
| 121.359 | 25 | 51.8 | 2.9 | AFT | 0.07 | *(122)* |
| 121.47 | 24.928 | 9.86 | 3.32 | AFT | 0.35 | *(122)* |
| 121.47 | 24.925 | 14.3 | 14.4 | AFT | 0.24 | *(122)* |
| 121.474 | 24.988 | 2.49 | 0.49 | AFT | 1.41 | *(122)* |
| 121.499 | 24.92 | 6.27 | 0.89 | AFT | 0.56 | *(122)* |
| 121.505 | 24.911 | 3.85 | 3.85 | AFT | 0.91 | *(122)* |
| 121.51 | 24.906 | 3.65 | 0.98 | AFT | 0.96 | *(122)* |
| 121.527 | 24.914 | 1.87 | 1.88 | AFT | 1.87 | *(122)* |
| 121.539 | 24.894 | 2.28 | 0.69 | AFT | 1.54 | *(122)* |
| 121.58 | 24.848 | 1.64 | 0.55 | AFT | 2.13 | *(122)* |
| 121.549 | 24.862 | 1.17 | 0.52 | AFT | 2.99 | *(122)* |
| 120.667 | 23.019 | 5.41 | 1.22 | AFT | 0.65 | *(122)* |
| 120.861 | 24.079 | 61 | 4.1 | AFT | 0.06 | *(122)* |
| 120.858 | 24.08 | 37.8 | 3.2 | AFT | 0.09 | *(122)* |
| 120.87 | 24.077 | 2.82 | 0.91 | AFT | 1.24 | *(122)* |
| 120.946 | 24.067 | 1.37 | 0.56 | AFT | 2.55 | *(122)* |
| 120.988 | 24.076 | 2.3 | 0.42 | AFT | 1.52 | *(122)* |
| 121.123 | 24.254 | 0.702 | 0.28 | AFT | 4.99 | *(122)* |
| 120.655 | 23.022 | 23.1 | 2.4 | AFT | 0.15 | *(122)* |
| 120.647 | 23.03 | 13.7 | 1.4 | AFT | 0.26 | *(122)* |
| 120.645 | 23.031 | 4.1 | 1.01 | AFT | 0.85 | *(122)* |
| 120.647 | 23.03 | 3.58 | 3.62 | AFT | 0.98 | *(122)* |
| 120.648 | 23.031 | 3.19 | 0.51 | AFT | 1.10 | *(122)* |
| 120.51 | 23.092 | 32.3 | 2 | AFT | 0.11 | *(122)* |
| 120.513 | 23.115 | 27.6 | 1.9 | AFT | 0.13 | *(122)* |
| 120.503 | 23.115 | 33 | 8 | AFT | 0.11 | *(122)* |
| 120.528 | 23.097 | 29.6 | 1.8 | AFT | 0.12 | *(122)* |
| 120.604 | 23.086 | 8.41 | 0.81 | AFT | 0.42 | *(122)* |
| 120.611 | 23.083 | 1.03 | 0.22 | AFT | 3.40 | *(122)* |
| 120.642 | 23.073 | 0.55 | 0.185 | AFT | 6.36 | *(122)* |
| 120.553 | 23.085 | 43.5 | 2.5 | AFT | 0.08 | *(122)* |
| 120.47 | 23.238 | 41.9 | 2.1 | AFT | 0.08 | *(122)* |

| Longitude | Latitude | Age* (My) | Error* (My) | System | Erosion rate [mm/year] | Ref. |
|---|---|---|---|---|---|---|
| 120.544 | 23.071 | 22.8 | 1.3 | AFT | 0.15 | *(122)* |
| 120.52 | 23.082 | 5.78 | 5.5 | AHe | 0.46 | *(122)* |
| 120.544 | 23.071 | 0.53 | 0.3 | AHe | 5.03 | *(122)* |
| 120.659 | 23.031 | 1.08 | 0.3 | AHe | 2.47 | *(122)* |
| 120.648 | 23.031 | 1.69 | 0.7 | AHe | 1.58 | *(122)* |
| 120.51 | 23.092 | 10.54 | 9.4 | AHe | 0.25 | *(122)* |
| 120.513 | 23.115 | 77.37 | 108.7 | AHe | 0.03 | *(122)* |
| 120.503 | 23.115 | 1.43 | 1.2 | AHe | 1.86 | *(122)* |
| 120.528 | 23.097 | 0.7 | 0.3 | AHe | 3.81 | *(122)* |
| 120.604 | 23.086 | 0.52 | 0.2 | AHe | 5.13 | *(122)* |
| 120.611 | 23.083 | 1 | 0.8 | AHe | 2.67 | *(122)* |
| 120.642 | 23.073 | 0.56 | 0.2 | AHe | 4.76 | *(122)* |
| 120.553 | 23.085 | 5.36 | 4.1 | AHe | 0.50 | *(122)* |
| 120.803 | 24.037 | 3.03 | 0.9 | AHe | 0.88 | *(122)* |
| 120.861 | 24.079 | 3.8 | 0.3 | AHe | 0.70 | *(122)* |
| 120.858 | 24.08 | 3.43 | 0.2 | AHe | 0.78 | *(122)* |
| 120.87 | 24.077 | 2.55 | 0.1 | AHe | 1.05 | *(122)* |
| 120.946 | 24.067 | 15.65 | 14.2 | AHe | 0.17 | *(122)* |
| 120.655 | 23.022 | 2.3 | 1.5 | AHe | 1.16 | *(122)* |
| 120.51 | 23.092 | 1.3 | 0.3 | AHe | 2.05 | *(122)* |
| 120.513 | 23.115 | 2.35 | 0.5 | AHe | 1.13 | *(122)* |
| 120.503 | 23.115 | 7.1 | 0.425 | AHe | 0.38 | *(122)* |
| 120.528 | 23.097 | 1.3 | 0.079 | AHe | 2.05 | *(122)* |
| 120.604 | 23.086 | 1.1 | 0.068 | AHe | 2.42 | *(122)* |
| 120.553 | 23.085 | 6.3 | 0.4 | AHe | 0.42 | *(122)* |
| 121.8203 | 24.5759 | 4.6 | 0.14 | K-Ar white mica | 1.92 | (*123*) |
| 121.8478 | 24.5419 | 1 | 0.18 | K-Ar white mica | 8.83 | *(123)* |
| 121.7502 | 24.4452 | 1.4 | 0.13 | K-Ar white mica | 6.31 | *(123)* |
| 121.7462 | 24.349 | 2.2 | 0.38 | K-Ar white mica | 4.02 | *(123)* |
| 120.7373 | 22.7408 | 50.8 | 1.14 | K-Ar white mica | 0.17 | *(123)* |
| 120.7449 | 22.7349 | 38 | 0.86 | K-Ar white mica | 0.23 | *(123)* |
| 120.7498 | 22.7327 | 30.8 | 0.69 | K-Ar white mica | 0.29 | *(123)* |
| 120.7611 | 22.7187 | 31.8 | 0.72 | K-Ar white mica | 0.28 | *(123)* |
| 120.7752 | 22.734 | 24.5 | 0.57 | K-Ar white mica | 0.36 | *(123)* |
| 120.7785 | 22.7294 | 10.1 | 0.23 | K-Ar white mica | 0.87 | *(123)* |
| 120.7781 | 22.7175 | 16.5 | 0.39 | K-Ar white mica | 0.54 | *(123)* |
| 120.7796 | 22.7128 | 11.3 | 0.27 | K-Ar white | 0.78 | *(123)* |

| Longitude | Latitude | Age* (My) | Error* (My) | System | Erosion rate [mm/year] | Ref. |
|---|---|---|---|---|---|---|
| | | | | mica | | |
| 120.8033 | 22.7194 | 3.1 | 0.24 | K-Ar white mica | 2.85 | *(123)* |
| 120.8014 | 22.7118 | 5.9 | 0.22 | K-Ar white mica | 1.50 | *(123)* |
| 120.8025 | 22.7056 | 5.8 | 0.24 | K-Ar white mica | 1.52 | *(123)* |
| 120.81 | 22.7086 | 5.2 | 0.38 | K-Ar white mica | 1.70 | *(123)* |
| 120.8218 | 22.7056 | 4.8 | 0.14 | K-Ar white mica | 1.84 | *(123)* |
| 120.8335 | 22.7173 | 7 | 0.34 | K-Ar white mica | 1.26 | *(123)* |
| 120.8407 | 22.7172 | 4.1 | 0.2 | K-Ar white mica | 2.15 | *(123)* |
| 120.8533 | 22.7175 | 4.92 | 0.26 | K-Ar white mica | 1.80 | *(123)* |
| 120.8672 | 22.7197 | 5.35 | 0.15 | K-Ar white mica | 1.65 | *(123)* |
| 121.5252 | 23.9783 | 3.97 | 0.23 | K-Ar white mica | 2.23 | *(123)* |
| 121.4798 | 23.9844 | 2.96 | 0.16 | K-Ar white mica | 2.98 | *(123)* |
| 121.4905 | 23.9367 | 4.32 | 0.14 | K-Ar white mica | 2.04 | *(123)* |
| 121.3164 | 23.499 | 8.15 | 0.23 | K-Ar white mica | 1.08 | *(123)* |
| 121.3033 | 23.4315 | 8.08 | 0.2 | K-Ar white mica | 1.09 | *(123)* |
| 121.3011 | 23.4016 | 15.95 | 0.39 | K-Ar white mica | 0.55 | *(123)* |
| 121.2729 | 23.2864 | 10.83 | 0.41 | K-Ar white mica | 0.82 | *(123)* |
| 121.2255 | 23.2885 | 5.55 | 0.49 | K-Ar white mica | 1.59 | *(123)* |
| 121.2471 | 23.3103 | 15.87 | 0.41 | K-Ar white mica | 0.56 | *(123)* |
| 121.1629 | 23.1315 | 25.71 | 0.6 | K-Ar white mica | 0.34 | *(123)* |
| 121.1658 | 23.1173 | 1.17 | 0.14 | ZFT | 6.70 | *(124)* |
| 121.2617 | 24.223 | 66.11 | 1.5 | K-Ar white mica | 0.13 | *(124)* |
| 121.2795 | 24.2236 | 75 | 1.7 | K-Ar white mica | 0.12 | *(124)* |
| 121.2884 | 24.2002 | 55.61 | 1.2 | K-Ar white mica | 0.16 | *(124)* |
| 121.2971 | 24.191 | 33 | 0.8 | K-Ar white mica | 0.27 | *(124)* |
| 121.2993 | 24.1863 | 27.1 | 0.6 | K-Ar white mica | 0.33 | *(124)* |
| 121.2834 | 24.1706 | 42.08 | 0.9 | K-Ar white mica | 0.21 | *(124)* |
| 121.3041 | 24.1828 | 22.36 | 0.5 | K-Ar white mica | 0.40 | *(124)* |
| 121.3103 | 24.1837 | 22.47 | 0.6 | K-Ar white mica | 0.39 | *(124)* |

| Longitude | Latitude | Age* (My) | Error* (My) | System | Erosion rate [mm/year] | Ref. |
|---|---|---|---|---|---|---|
| 121.3137 | 24.1844 | 16.5 | 0.4 | K-Ar white mica | 0.54 | *(124)* |
| 121.3164 | 24.1847 | 10.39 | 0.2 | K-Ar white mica | 0.85 | *(124)* |
| 121.3173 | 24.1886 | 11.69 | 0.3 | K-Ar white mica | 0.76 | *(124)* |
| 121.3199 | 24.1894 | 23.48 | 0.6 | K-Ar white mica | 0.38 | *(124)* |
| 121.3294 | 24.1873 | 13.11 | 0.4 | K-Ar white mica | 0.67 | *(124)* |
| 121.3368 | 24.1928 | 5.37 | 0.2 | K-Ar white mica | 1.64 | *(124)* |
| 121.3396 | 24.1909 | 4.75 | 0.3 | K-Ar white mica | 1.86 | *(124)* |
| 121.3431 | 24.1886 | 6.42 | 0.2 | K-Ar white mica | 1.38 | *(124)* |
| 121.3507 | 24.1833 | 4.64 | 0.2 | K-Ar white mica | 1.90 | *(124)* |
| 121.3608 | 24.1798 | 6.89 | 0.3 | K-Ar white mica | 1.28 | *(124)* |
| 121.3644 | 24.1796 | 4.31 | 0.8 | K-Ar white mica | 2.05 | *(124)* |
| 121.3865 | 24.185 | 7.08 | 0.8 | K-Ar white mica | 1.25 | *(124)* |
| 121.3762 | 24.197 | 4.6 | 0.5 | K-Ar white mica | 1.92 | *(124)* |
| 121.4141 | 24.2024 | 5.64 | 0.2 | K-Ar white mica | 1.57 | *(124)* |
| 121.4153 | 24.2129 | 4.32 | 0.3 | K-Ar white mica | 2.04 | *(124)* |
| 121.4561 | 24.2026 | 3.24 | 0.4 | K-Ar white mica | 2.73 | *(124)* |
| 121.4638 | 24.202 | 2.04 | 0.1 | K-Ar white mica | 4.33 | *(124)* |
| 121.4738 | 24.1961 | 1.92 | 0.2 | K-Ar white mica | 4.60 | *(124)* |
| 121.4895 | 24.185 | 1.51 | 0.2 | K-Ar white mica | 5.85 | *(124)* |
| 121.492 | 24.1819 | 1.2 | 0.4 | K-Ar white mica | 7.36 | *(124)* |
| 121.5116 | 24.1861 | 1.07 | 0.3 | K-Ar white mica | 8.26 | *(124)* |
| 121.1172 | 24.2327 | 2.51 | 0.1 | K-Ar white mica | 3.52 | *(124)* |
| 121.1753 | 24.2548 | 2.77 | 0.2 | K-Ar white mica | 3.19 | *(124)* |
| 121.1963 | 24.2517 | 4.52 | 0.1 | K-Ar white mica | 1.95 | *(124)* |
| 121.208 | 24.2578 | 5.95 | 0.2 | K-Ar white mica | 1.48 | *(124)* |
| 121.2106 | 24.2626 | 48.09 | 1.1 | K-Ar white mica | 0.18 | *(124)* |
| 121.2138 | 24.2497 | 50.89 | 1.2 | K-Ar white mica | 0.17 | *(124)* |
| 121.2201 | 24.2405 | 37.95 | 0.8 | K-Ar white mica | 0.23 | *(124)* |

| **Longitude** | **Latitude** | **Age* (My)** | **Error* (My)** | **System** | **Erosion rate [mm/year]** | **Ref.** |
|---|---|---|---|---|---|---|
| 121.2436 | 24.2544 | 49.57 | 1.1 | K-Ar white mica | 0.18 | *(124)* |
| 120.8214 | 23.2705 | 90.78 | 2 | K-Ar white mica | 0.10 | *(124)* |
| 120.8663 | 23.2805 | 37.13 | 0.8 | K-Ar white mica | 0.24 | *(124)* |
| 120.8887 | 23.2837 | 51.89 | 1.2 | K-Ar white mica | 0.17 | *(124)* |
| 120.906 | 23.2703 | 49.14 | 1.1 | K-Ar white mica | 0.18 | *(124)* |
| 120.9071 | 23.2617 | 17.31 | 0.4 | K-Ar white mica | 0.51 | *(124)* |
| 120.9178 | 23.2596 | 16.62 | 0.4 | K-Ar white mica | 0.53 | *(124)* |
| 120.9324 | 23.2634 | 6.59 | 0.2 | K-Ar white mica | 1.34 | *(124)* |
| 120.95 | 23.2686 | 12.54 | 0.3 | K-Ar white mica | 0.70 | *(124)* |
| 120.9584 | 23.2686 | 8.82 | 0.2 | K-Ar white mica | 1.00 | *(124)* |
| 120.9689 | 23.2641 | 4.01 | 0.5 | K-Ar white mica | 2.20 | *(124)* |
| 120.9728 | 23.2493 | 2.45 | 0.2 | K-Ar white mica | 3.61 | *(124)* |
| 120.986 | 23.2482 | 2.89 | 0.2 | K-Ar white mica | 3.06 | *(124)* |
| 121.0148 | 23.2099 | 2.24 | 0.3 | K-Ar white mica | 3.94 | *(124)* |
| 121.0195 | 23.1889 | 2.66 | 0.4 | K-Ar white mica | 3.32 | *(124)* |
| 121.034 | 23.1826 | 1.45 | 0.3 | K-Ar white mica | 6.09 | *(124)* |
| 121.0248 | 23.1714 | 1.15 | 0.1 | K-Ar white mica | 7.68 | *(124)* |
| 121.0439 | 23.1583 | 1.2 | 0.2 | K-Ar white mica | 7.36 | *(124)* |
| 121.0763 | 23.1394 | 1.05 | 0.2 | K-Ar white mica | 8.41 | *(124)* |
| 121.081 | 23.1389 | 1.03 | 0.2 | K-Ar white mica | 8.58 | *(124)* |
| 121.1023 | 23.1378 | 2.43 | 0.2 | K-Ar white mica | 3.64 | *(124)* |
| 121.1131 | 23.1339 | 1.33 | 0.3 | K-Ar white mica | 6.64 | *(124)* |
| 121.1309 | 23.1329 | 3.88 | 0.5 | K-Ar white mica | 2.28 | *(124)* |
| 121.1659 | 23.117 | 10.08 | 0.3 | K-Ar white mica | 0.88 | *(124)* |
| 121.1668 | 23.104 | 15.9 | 0.4 | K-Ar white mica | 0.56 | *(124)* |
| 121.515 | 24.1893 | 1.26 | 0.22 | ZFT | 6.22 | *(124)* |
| 121.5106 | 24.1848 | 0.76 | 0.11 | ZFT | 10.31 | *(124)* |
| 121.4888 | 24.1847 | 0.92 | 0.22 | ZFT | 8.51 | *(124)* |
| 121.4756 | 24.2176 | 0.89 | 0.2 | ZFT | 8.80 | *(124)* |
| 121.4763 | 24.2089 | 0.92 | 0.22 | ZFT | 8.51 | *(124)* |

| Longitude | Latitude | Age* (My) | Error* (My) | System | Erosion rate [mm/year] | Ref. |
|---|---|---|---|---|---|---|
| 121.4741 | 24.2 | 0.99 | 0.19 | ZFT | 7.91 | *(124)* |
| 121.474 | 24.1944 | 1.23 | 0.23 | ZFT | 6.37 | *(124)* |
| 121.4709 | 24.1978 | 1.08 | 0.18 | ZFT | 7.25 | *(124)* |
| 121.4541 | 24.201 | 1.38 | 0.21 | ZFT | 5.68 | *(124)* |
| 121.4356 | 24.1858 | 1.21 | 0.12 | ZFT | 6.47 | *(124)* |
| 121.4371 | 24.1827 | 1.38 | 0.21 | ZFT | 5.68 | *(124)* |
| 121.4158 | 24.2133 | 1.6 | 0.27 | ZFT | 4.90 | *(124)* |
| 121.4159 | 24.2069 | 3.14 | 0.44 | ZFT | 2.49 | *(124)* |
| 121.4122 | 24.1986 | 1.79 | 0.23 | ZFT | 4.38 | *(124)* |
| 121.4072 | 24.1945 | 1.19 | 0.15 | ZFT | 6.58 | *(124)* |
| 121.4098 | 24.1921 | 2.04 | 0.23 | ZFT | 3.84 | *(124)* |
| 121.4093 | 24.1886 | 2.56 | 0.38 | ZFT | 3.06 | *(124)* |
| 121.4061 | 24.1899 | 1.78 | 0.23 | ZFT | 4.40 | *(124)* |
| 121.4061 | 24.1899 | 1.56 | 0.23 | ZFT | 5.02 | *(124)* |
| 121.3999 | 24.1963 | 2.11 | 0.24 | ZFT | 3.71 | *(124)* |
| 121.3841 | 24.1971 | 1.12 | 0.22 | ZFT | 6.99 | *(124)* |
| 121.3752 | 24.1927 | 3.14 | 0.44 | ZFT | 2.49 | *(124)* |
| 121.3723 | 24.1933 | 2.63 | 0.36 | ZFT | 2.98 | *(124)* |
| 121.3723 | 24.1933 | 2.1 | 0.29 | ZFT | 3.73 | *(124)* |
| 121.3867 | 24.1849 | 2.2 | 0.31 | ZFT | 3.56 | *(124)* |
| 121.371 | 24.1758 | 1.56 | 0.21 | ZFT | 5.02 | *(124)* |
| 121.3626 | 24.1793 | 2.38 | 0.27 | ZFT | 3.29 | *(124)* |
| 121.3582 | 24.1819 | 2.64 | 0.2 | ZFT | 2.97 | *(124)* |
| 121.355 | 24.1828 | 2.18 | 0.27 | ZFT | 3.59 | *(124)* |
| 121.355 | 24.1828 | 1.97 | 0.21 | ZFT | 3.98 | *(124)* |
| 121.351 | 24.1822 | 1.74 | 0.34 | ZFT | 4.50 | *(124)* |
| 121.351 | 24.1822 | 2.22 | 0.18 | ZFT | 3.53 | *(124)* |
| 121.351 | 24.1822 | 1.79 | 0.38 | ZFT | 4.38 | *(124)* |
| 121.3491 | 24.1833 | 2 | 0.25 | ZFT | 3.92 | *(124)* |
| 121.3491 | 24.1833 | 2.02 | 0.13 | ZFT | 3.88 | *(124)* |
| 121.3491 | 24.1833 | 3.49 | 0.36 | ZFT | 2.24 | *(124)* |
| 121.3491 | 24.1833 | 1.83 | 0.12 | ZFT | 4.28 | *(124)* |
| 121.3491 | 24.1833 | 1.64 | 0.17 | ZFT | 4.78 | *(124)* |
| 121.3473 | 24.1849 | 1.58 | 0.37 | ZFT | 4.96 | *(124)* |
| 121.3452 | 24.1871 | 2.22 | 0.16 | ZFT | 3.53 | *(124)* |
| 121.3432 | 24.1887 | 2.46 | 0.59 | ZFT | 3.18 | *(124)* |
| 121.3432 | 24.1887 | 1.59 | 0.13 | ZFT | 4.93 | *(124)* |
| 121.3411 | 24.1902 | 2 | 0.14 | ZFT | 3.92 | *(124)* |
| 121.3411 | 24.1902 | 2.21 | 0.14 | ZFT | 3.54 | *(124)* |
| 121.3212 | 24.1895 | 2.87 | 0.23 | ZFT | 2.73 | *(124)* |
| 121.3118 | 24.1833 | 2.46 | 0.21 | ZFT | 3.18 | *(124)* |
| 121.3053 | 24.1826 | 4.6 | 0.3 | ZFT | 1.70 | *(124)* |

| Longitude | Latitude | Age* (My) | Error* (My) | System | Erosion rate [mm/year] | Ref. |
|---|---|---|---|---|---|---|
| 121.292 | 24.2001 | 35.1 | 1.5 | ZFT | 0.22 | *(124)* |
| 121.2615 | 24.2203 | 82.13 | 6.5 | ZFT | 0.10 | *(124)* |
| 121.282 | 24.167 | 30.21 | 2.15 | ZFT | 0.26 | *(124)* |
| 121.2633 | 24.134 | 30.5 | 1.5 | ZFT | 0.26 | *(124)* |
| 121.1578 | 23.1196 | 0.9 | 0.13 | ZFT | 8.70 | *(124)* |
| 121.1307 | 23.133 | 1.09 | 0.13 | ZFT | 7.19 | *(124)* |
| 121.0812 | 23.1392 | 0.82 | 0.12 | ZFT | 9.55 | *(124)* |
| 121.0758 | 23.1407 | 1.22 | 0.25 | ZFT | 6.42 | *(124)* |
| 121.0429 | 23.1589 | 0.82 | 0.16 | ZFT | 9.55 | *(124)* |
| 121.0268 | 23.1715 | 0.68 | 0.12 | ZFT | 11.52 | *(124)* |
| 121.0145 | 23.1768 | 1.53 | 0.19 | ZFT | 5.12 | *(124)* |
| 121.0126 | 23.1791 | 0.84 | 0.12 | ZFT | 9.33 | *(124)* |
| 121.0134 | 23.1844 | 1.02 | 0.15 | ZFT | 7.68 | *(124)* |
| 121.0329 | 23.177 | 0.99 | 0.18 | ZFT | 7.91 | *(124)* |
| 121.0337 | 23.1832 | 1.02 | 0.21 | ZFT | 7.68 | *(124)* |
| 121.0196 | 23.1895 | 1.07 | 0.14 | ZFT | 7.32 | *(124)* |
| 121.0111 | 23.1929 | 1.13 | 0.12 | ZFT | 6.93 | *(124)* |
| 121.0141 | 23.2112 | 1.04 | 0.14 | ZFT | 7.53 | *(124)* |
| 120.9605 | 23.2657 | 1.87 | 0.16 | ZFT | 4.19 | *(124)* |
| 120.9646 | 23.2727 | 2.23 | 0.19 | ZFT | 3.51 | *(124)* |
| 120.9505 | 23.2677 | 2.6 | 0.33 | ZFT | 3.01 | *(124)* |
| 120.9472 | 23.265 | 2.95 | 0.3 | ZFT | 2.66 | *(124)* |
| 120.9436 | 23.266 | 3.93 | 0.39 | ZFT | 1.99 | *(124)* |
| 120.9062 | 23.2692 | 38.32 | 3.61 | ZFT | 0.20 | *(124)* |
| 120.8977 | 23.2801 | 70.28 | 16.19 | ZFT | 0.11 | *(124)* |
| 120.8899 | 23.2873 | 47.25 | 6.49 | ZFT | 0.17 | *(124)* |
| 120.8798 | 23.2831 | 44.59 | 3.31 | ZFT | 0.18 | *(124)* |
| 120.8422 | 23.287 | 55.7 | 3.97 | ZFT | 0.14 | *(124)* |
| 121.2553 | 24.2181 | 80.44 | 5.51 | ZFT | 0.10 | *(124)* |
| 121.2418 | 24.2315 | 86.21 | 6.69 | ZFT | 0.09 | *(124)* |
| 121.244 | 24.2423 | 75.04 | 7.59 | ZFT | 0.10 | *(124)* |
| 121.0101 | 22.6479 | 59.7 | 3.9 | ZFT | 0.13 | (*125*) |
| 120.9518 | 22.5113 | 75.4 | 6.4 | ZFT | 0.10 | *(125)* |
| 120.8909 | 22.3773 | 54.4 | 6.1 | ZFT | 0.14 | *(125)* |
| 121.1755 | 23.1159 | 0.78 | 0.17 | ZFT | 10.04 | *(125)* |
| 121.0845 | 22.8983 | 2.26 | 0.34 | ZFT | 3.47 | *(125)* |
| 121.0494 | 22.7603 | 43.6 | 3.4 | ZFT | 0.18 | *(125)* |
| 121.3003 | 23.432 | 0.6 | 0.2 | AFT | 5.83 | *(125)* |
| 121.0666 | 22.9 | 0.7 | 0.2 | AFT | 5.00 | *(125)* |
| 121.0494 | 22.76 | 0.4 | 0.1 | AFT | 8.75 | *(125)* |
| 121.0167 | 22.65 | 0.7 | 0.3 | AFT | 5.00 | *(125)* |
| 120.8241 | 22.16121 | 1.69 | 0.36 | AFT | 2.07 | *(125)* |

| Longitude | Latitude | Age* (My) | Error* (My) | System | Erosion rate [mm/year] | Ref. |
|---|---|---|---|---|---|---|
| 121.515 | 24.025 | 0.859 | 0.15 | AFT | 4.07 | *(125)* |
| 121.0101 | 22.64799 | 0.918 | 0.349 | AFT | 3.81 | *(125)* |
| 120.9518 | 22.51132 | 1.17 | 0.37 | AFT | 2.99 | *(125)* |
| 120.8909 | 22.37738 | 2.26 | 0.66 | AFT | 1.55 | *(125)* |
| 120.8864 | 22.24932 | 2.35 | 0.43 | AFT | 1.49 | *(125)* |
| 120.9082 | 22.58925 | 0.388 | 0.174 | AFT | 9.02 | *(125)* |
| 120.8414 | 22.26861 | 1.6 | 0.34 | AFT | 2.19 | *(125)* |
| 120.7622 | 22.21603 | 1.83 | 0.56 | AFT | 1.91 | *(125)* |
| 120.8311 | 21.9565 | 27.9 | 2 | AFT | 0.13 | *(125)* |
| 120.8825 | 22.15458 | 2.26 | 0.38 | AFT | 1.55 | *(125)* |
| 120.7871 | 22.04087 | 3.95 | 1.42 | AFT | 0.89 | *(125)* |
| 120.7922 | 22.0336 | 5.49 | 1.2 | AFT | 0.64 | *(125)* |
| | | | | | | |
| **St. Elias Range** | | | | | | |
| -143.503 | 60.4208 | 0.53 | 0.07 | AHe | 5.73 | (*126*) |
| -143.542 | 60.3931 | 0.44 | 0.03 | AHe | 6.90 | *(126)* |
| -143.504 | 60.4332 | 0.53 | 0.1 | AHe | 5.73 | *(126)* |
| -143.7 | 60.3896 | 0.74 | 0.07 | AHe | 4.10 | *(126)* |
| -143.764 | 60.8838 | 25.1 | 0.87 | AHe | 0.12 | *(126)* |
| -143.417 | 60.5428 | 1.78 | 0.83 | AHe | 1.70 | *(126)* |
| -143.976 | 60.2306 | 1.8 | 0.11 | AHe | 1.69 | *(126)* |
| -143.79 | 60.6469 | 2.28 | 0.16 | AHe | 1.33 | *(126)* |
| -143.725 | 60.4996 | 0.63 | 0.11 | AHe | 4.82 | *(126)* |
| -143.724 | 60.6441 | 1.66 | 0.09 | AHe | 1.83 | *(126)* |
| -140.53 | 60.1686 | 1.55 | - | AHe | 1.96 | *(126)* |
| -140.348 | 60.1643 | 7.21 | 1.16 | AHe | 0.42 | *(126)* |
| -140.461 | 60.2369 | 0.56 | 0.08 | AHe | 5.42 | *(126)* |
| -143.984 | 60.4488 | 1.09 | 0.09 | AHe | 2.78 | *(126)* |
| -140.712 | 60.1333 | 3.95 | 1.06 | AHe | 0.77 | *(126)* |
| -144.315 | 60.9104 | 18.9 | 1.2 | AHe | 0.16 | *(126)* |
| -144.377 | 60.694 | 10.7 | 1.31 | AHe | 0.28 | *(126)* |
| -144.477 | 60.499 | 2.02 | 0.14 | AHe | 1.50 | *(126)* |
| -141.158 | 60.2573 | 0.74 | 0.14 | AHe | 4.10 | *(126)* |
| -142.544 | 60.7203 | 8.2 | 0.8 | AHe | 0.28 | (*127*) |
| -142.356 | 60.2926 | 3.9 | 0.4 | AHe | 0.60 | *(127)* |
| -143.117 | 60.3194 | 1.4 | 0.2 | AHe | 1.67 | *(127)* |
| -143.312 | 60.2625 | 2.2 | 0.2 | AHe | 1.06 | *(127)* |
| -141.176 | 60.1809 | 1 | 0.5 | AHe | 2.33 | *(127)* |
| -142.415 | 60.6572 | 9.7 | 1 | AHe | 0.24 | *(127)* |
| -142.415 | 60.7672 | 13.3 | 1.3 | AHe | 0.18 | *(127)* |
| -142.637 | 60.7911 | 16 | 1.6 | AHe | 0.15 | *(127)* |
| -142.534 | 60.6793 | 13 | 1.3 | AHe | 0.18 | *(127)* |

| Longitude | Latitude | Age* (My) | Error* (My) | System | Erosion rate [mm/year] | Ref. |
|---|---|---|---|---|---|---|
| -141.117 | 60.2482 | 5.8 | 0.6 | AHe | 0.40 | *(127)* |
| -144.205 | 61.3408 | 28.7 | 2.9 | AHe | 0.08 | *(127)* |
| -144.19 | 51.3425 | 29.8 | 3 | AHe | 0.08 | *(127)* |
| -144.141 | 61.3231 | 36.5 | 7.2 | AHe | 0.06 | *(127)* |
| -144.152 | 61.3348 | 27.9 | 2.8 | AHe | 0.08 | *(127)* |
| -142.401 | 60.9221 | 18.3 | 1.8 | AHe | 0.13 | *(127)* |
| -141.158 | 60.2573 | 4.8 | 1.5 | AHe | 0.49 | *(127)* |
| -141.454 | 60.2855 | 1.2 | 0.1 | AHe | 1.94 | *(127)* |
| -141.764 | 60.3435 | 1.5 | 0.2 | AHe | 1.56 | *(127)* |
| -142.544 | 60.7203 | 26 | 2.1 | ZHe | 0.23 | *(127)* |
| -143.312 | 60.2625 | 47.7 | 7.6 | ZHe | 0.13 | *(127)* |
| -141.08 | 60.1866 | 31.8 | 2.5 | ZHe | 0.19 | *(127)* |
| -142.356 | 60.29255 | 0.7 | 0.11 | AHe | 3.33 | (*128*) |
| -142.442 | 60.34337 | 0.58 | 0.04 | AHe | 4.02 | *(128)* |
| -142.627 | 60.21338 | 1.79 | 0.59 | AHe | 1.30 | *(128)* |
| -142.601 | 60.33398 | 0.91 | 0.04 | AHe | 2.56 | *(128)* |
| -142.781 | 60.3026 | 1.02 | 0.17 | AHe | 2.29 | *(128)* |
| -143.117 | 60.31937 | 1.47 | 0.43 | AHe | 1.59 | *(128)* |
| -141.94 | 60.05915 | 1.96 | 0.54 | AHe | 1.19 | *(128)* |
| -141.988 | 60.15477 | 2.86 | 0.52 | AHe | 0.82 | *(128)* |
| -141.454 | 60.28552 | 0.71 | 0.025 | AHe | 3.29 | *(128)* |
| -141.224 | 60.3095 | 1.34 | 0.18 | AHe | 1.74 | *(128)* |
| -141.763 | 60.41838 | 1.96 | - | AHe | 1.19 | *(128)* |
| -143.059 | 60.4608 | 0.76 | 0.07 | AHe | 3.07 | *(128)* |
| -143.324 | 60.8622 | 22.8 | 1.8 | AHe | 0.10 | *(128)* |
| -143.059 | 60.5608 | 0.72 | 0.1 | AHe | 3.24 | *(128)* |
| -142.513 | 60.40072 | 0.85 | 0.07 | AHe | 2.74 | *(128)* |
| -142.49 | 60.43331 | 0.81 | 0.03 | AHe | 2.88 | *(128)* |
| -142.341 | 60.60122 | 6.86 | 1.26 | AHe | 0.34 | *(128)* |
| -141.746 | 60.55415 | 9.03 | 0.5 | AHe | 0.26 | *(128)* |
| -141.965 | 60.29503 | 0.68 | 0.08 | AHe | 3.43 | *(128)* |
| -141.965 | 60.74383 | 16.9 | 1.15 | AHe | 0.14 | *(128)* |
| -141.926 | 60.75363 | 20.7 | 1.2 | AHe | 0.11 | *(128)* |
| -141.887 | 60.7601 | 27.8 | 2.79 | AHe | 0.08 | *(128)* |
| -142.431 | 60.06517 | 2.98 | 0.77 | AHe | 0.78 | *(128)* |
| -142.823 | 60.20113 | 1.04 | 0.03 | AHe | 2.24 | *(128)* |
| -142.242 | 60.214 | 1.29 | 0.29 | AHe | 1.81 | *(128)* |
| -143.503 | 60.4208 | 12.9 | 1.1 | ZHe | 0.47 | *(128)* |
| -143.059 | 60.4608 | 5.1 | 1 | ZHe | 1.18 | *(128)* |
| -143.059 | 60.4608 | 9.6 | 1.4 | ZHe | 0.63 | *(128)* |
| -142.543 | 60.720 | 13.8 | 1.3 | AFT | 0.27 | (*129*) |
| -142.358 | 60.293 | 5.5 | 1.6 | AFT | 0.67 | *(129)* |

| Longitude | Latitude | Age* (My) | Error* (My) | System | Erosion rate [mm/year] | Ref. |
|---|---|---|---|---|---|---|
| -142.418 | 60.343 | 6.2 | 1.8 | AFT | 0.59 | *(129)* |
| -142.627 | 60.213 | 6.3 | 1.2 | AFT | 0.58 | *(129)* |
| -142.601 | 60.340 | 5.8 | 1.9 | AFT | 0.63 | *(129)* |
| -143.312 | 60.263 | 4.0 | 1.1 | AFT | 0.92 | *(129)* |
| -141.94 | 60.059 | 31.5 | 3.4 | AFT | 0.12 | *(129)* |
| -141.176 | 60.181 | 5.7 | 1.8 | AFT | 0.64 | *(129)* |
| -142.415 | 60.657 | 14.5 | 1.2 | AFT | 0.25 | *(129)* |
| -142.606 | 60.767 | 27.3 | 2.5 | AFT | 0.13 | *(129)* |
| -142.637 | 60.791 | 5.0 | 1.8 | AFT | 0.73 | *(129)* |
| -142.534 | 60.679 | 13.3 | 1.2 | AFT | 0.28 | *(129)* |
| -142.512 | 60.418 | 3.4 | 1.0 | AFT | 1.08 | *(129)* |
| -141.080 | 60.186 | 28.7 | 3.5 | AFT | 0.13 | *(129)* |
| -141.764 | 60.285 | 2.8 | 0.8 | AFT | 1.31 | *(129)* |
| -142.544 | 60.720 | 34.4 | 1.7 | ZFT | 0.23 | *(129)* |
| -142.627 | 60.213 | 39.6 | 1.6 | ZFT | 0.20 | *(129)* |
| -142.601 | 60.334 | 44.8 | 2.0 | ZFT | 0.18 | *(129)* |
| -141.940 | 60.059 | 33.8 | 2.0 | ZFT | 0.24 | *(129)* |
| -142.637 | 60.791 | 48.4 | 2.4 | ZFT | 0.17 | *(129)* |
| -142.512 | 60.418 | 31.4 | 1.4 | ZFT | 0.25 | *(129)* |
| -141.080 | 60.187 | 34.0 | 1.5 | ZFT | 0.24 | *(129)* |
| -141.764 | 60.285 | 37.3 | 1.5 | ZFT | 0.21 | *(129)* |
| | | | | | | |
| **San Gabriel Mountains** | | | | | | |
| -118.017 | 34.16889 | 11.8 | 4 | AFT | 0.33 | (*26*) |
| -118.218 | 34.2841 | 6.1 | 1.5 | AFT | 0.68 | *(26)* |
| -118.185 | 34.2833 | 10 | 1.4 | AFT | 0.39 | *(26)* |
| -118.051 | 34.218 | 11.9 | 1.3 | AFT | 0.32 | *(26)* |
| -117.901 | 34.15139 | 5.3 | 0.5 | AFT | 0.80 | *(26)* |
| -117.884 | 34.1675 | 3 | 1 | AFT | 1.54 | *(26)* |
| -117.851 | 34.2 | 4.5 | 1.2 | AFT | 0.96 | *(26)* |
| -117.668 | 34.20083 | 8.4 | 1.2 | AFT | 0.48 | *(26)* |
| -117.801 | 34.2333 | 9 | 1.7 | AFT | 0.44 | *(26)* |
| -117.784 | 34.21694 | 13 | 1.5 | AFT | 0.29 | *(26)* |
| -117.635 | 34.28417 | 7 | 0.9 | AFT | 0.58 | *(26)* |
| -117.852 | 34.20194 | 19.3 | 1.8 | AFT | 0.19 | *(26)* |
| -117.767 | 34.26722 | 3.7 | 0.7 | AFT | 1.20 | *(26)* |
| -117.85 | 34.25083 | 14.2 | 2.1 | AFT | 0.27 | *(26)* |
| -118.152 | 34.28556 | 16.1 | 1.6 | AFT | 0.23 | *(26)* |
| -118.017 | 34.16889 | 6.56 | 0.66 | AHe | 0.32 | *(26)* |
| -118.185 | 34.2833 | 3.12 | 0.2 | AHe | 0.74 | *(26)* |
| -118.051 | 34.218 | 7.59 | 0.46 | AHe | 0.27 | *(26)* |
| -117.901 | 34.15139 | 6.27 | 0.62 | AHe | 0.34 | *(26)* |

| **Longitude** | **Latitude** | **Age* (My)** | **Error* (My)** | **System** | **Erosion rate [mm/year]** | **Ref.** |
|---|---|---|---|---|---|---|
| -117.784 | 34.21694 | 6.79 | 0.41 | AHe | 0.31 | *(26)* |
| -117.635 | 34.28417 | 5.12 | 0.31 | AHe | 0.42 | *(26)* |
| -117.852 | 34.20194 | 8.86 | 2.44 | AHe | 0.23 | *(26)* |
| -118.156 | 34.30595 | 5504.59 | - | CRN [year] | 0.11 | (*18*) |
| -118.108 | 34.30622 | 5042.02 | - | CRN | 0.12 | (*18*) |
| -118.121 | 34.31133 | 7142.86 | - | CRN | 0.08 | (*18*) |
| -118.026 | 34.27808 | 17142.86 | - | CRN | 0.04 | (*18*) |
| -118.12 | 34.33013 | 4444.44 | - | CRN | 0.14 | (*18*) |
| -118.249 | 34.32839 | 2439.02 | - | CRN | 0.25 | (*18*) |
| -118.148 | 34.29795 | 2371.54 | - | CRN | 0.25 | (*18*) |
| -118.255 | 34.30291 | 1415.09 | - | CRN | 0.42 | (*18*) |
| -118.196 | 34.28186 | 2150.54 | - | CRN | 0.28 | (*18*) |
| -117.739 | 34.29655 | 726.39 | - | CRN | 0.83 | (*18*) |
| -117.761 | 34.24197 | 594.06 | - | CRN | 1.01 | (*18*) |
| -117.742 | 34.29671 | 1376.15 | - | CRN | 0.44 | (*18*) |
| -118.021 | 34.2793 | 1910.82 | - | CRN | 0.31 | (*18*) |
| -118.026 | 34.27816 | 2264.15 | - | CRN | 0.27 | (*18*) |
| -118.049 | 34.35192 | 5555.55 | - | CRN | 0.11 | (*18*) |
| -118.048 | 34.33878 | 3973.51 | - | CRN | 0.15 | (*18*) |
| -118.08 | 34.21159 | 1290.32 | - | CRN | 0.47 | (*18*) |
| -118.083 | 34.21833 | 1015.23 | - | CRN | 0.59 | (*18*) |
| -118.085 | 34.21849 | 815.22 | - | CRN | 0.74 | (*18*) |
| -118.01 | 34.33808 | 14285.71 | - | CRN | 0.04 | (*18*) |
| -118.011 | 34.34042 | 12244.90 | - | CRN | 0.05 | (*18*) |
| -117.99 | 34.38049 | 8219.18 | - | CRN | 0.07 | (*18*) |
| -117.992 | 34.3659 | 6122.45 | - | CRN | 0.10 | (*18*) |
| -117.99 | 34.36567 | 5660.38 | - | CRN | 0.11 | (*18*) |
| -117.788 | 34.32853 | 4166.67 | - | CRN | 0.14 | (*18*) |
| -117.889 | 34.2723 | 1015.23 | - | CRN | 0.59 | (*18*) |
| -117.891 | 34.27165 | 1401.87 | - | CRN | 0.43 | (*18*) |
| -117.95 | 34.24271 | 3174.60 | - | CRN | 0.19 | (*18*) |
| -117.973 | 34.25391 | 2054.79 | - | CRN | 0.29 | (*18*) |
| -118.027 | 34.28275 | 1857.59 | - | CRN | 0.32 | (*18*) |
| -117.799 | 34.32044 | 1382.49 | - | CRN | 0.43 | (*18*) |
| -117.801 | 34.32321 | 7594.94 | - | CRN | 0.08 | (*18*) |
| -117.73 | 34.30563 | 542.50 | - | CRN | 1.11 | (*18*) |
| -117.732 | 34.3058 | 577.48 | - | CRN | 1.04 | (*18*) |
| -117.741 | 34.29591 | 836.82 | - | CRN | 0.72 | (*18*) |
| -117.761 | 34.30274 | 596.42 | - | CRN | 1.01 | (*18*) |
| -117.635 | 34.16493 | 2150.54 | - | CRN | 0.28 | (*18*) |
| -117.635 | 34.16494 | 2752.29 | - | CRN | 0.22 | (*18*) |
| -117.991 | 34.36052 | 972.45 | - | CRN | 0.62 | (*18*) |

| Longitude | Latitude | Age* (My) | Error* (My) | System | Erosion rate [mm/year] | Ref. |
|---|---|---|---|---|---|---|
| -117.992 | 34.36191 | 5454.55 | - | CRN | 0.11 | (*18*) |
| -117.791 | 34.23199 | 2166.06 | - | CRN | 0.28 | (*18*) |
| -117.806 | 34.24076 | 2264.15 | - | CRN | 0.27 | (*18*) |
| -117.992 | 34.36469 | 5042.02 | - | CRN | 0.12 | (*18*) |
| -118.028 | 34.38171 | 7692.31 | - | CRN | 0.08 | (*18*) |
| -118.102 | 34.30903 | 991.74 | - | CRN | 0.61 | (*18*) |
| -117.9 | 34.3619 | 5084.75 | - | CRN | 0.12 | (*18*) |
| -117.904 | 34.3598 | 6896.55 | - | CRN | 0.09 | (*18*) |
| -117.965 | 34.3214 | 4081.63 | - | CRN | 0.15 | (*18*) |
| -117.981 | 34.30427 | 2510.46 | - | CRN | 0.24 | (*18*) |

*All the thermochronological ages reported here are in My; however, the CRN ages are reported in year or ky indicated beside CRN in parentheses. In addition, the ages for CRN samples were computed by assuming the depth of erosion was 60 cm. Further, because these methods average erosional pulses from some time in past to the present, these ages are equal to the averaging time scale.

Sediment yield data were compiled from the following references: San Gabriel Mountains (*24*); central Himalayas (*112*); Taiwan (*130*). Decadal scale erosion rate for the Rhône valley reported here is from (*93*) for the sediment gauge that is at the mouth of the Rhône valley catchment. Decadal scale erosion rate for the St. Elias Range, Norway, Patagonia and Svalbard reported here are from (*41*) and (*40*). Estimated erosion rates for pacific NW are reported from (*56*). Millennial scale erosion rates for St. Elias range, Patagonia and Svalbard reported here were from (*41*, *127*).