|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sample | Locality | Fraction (μm) | Potassium  (K2O wt%) | Radiometric 40Ar  (10-8 cc3 STP/g) | K–Ar age  (Ma) | Non. Rad. Ar  (%) | 2*M*1 ratio  (%) | ICmeasured  (˚2) |
| Goshikinohama Fault | N33°13′11.3′′  E133°27′28.1′′ | <0.2  0.2-0.5  0.5-1.0  1.0-2.0  2.0-4.0 | 5.75 ± 0.12  5.24 ± 0.11  4.34 ± 0.09  3.74 ± 0.08  3.43 ± 0.07 | 1186 ± 13  1123 ± 12  1012 ± 11  907 ± 10  834 ± 9 | 52.4 ± 1.2  54.4 ± 1.2  59.1 ± 1.3  61.5 ± 1.4  61.5 ± 1.4 | 4.4  3.7  4.3  4.9  6.0 | 9±5  15±5  29±5  29±5  43±5 | 0.20  0.09  0.08  0.13  0.10 |
| Roof thrust of  Okitsu mélange | N33°13′11.3′′  E133°14′41.7′′ | <0.2  0.2-0.5  0.5-1.0  1.0-2.0 | 6.46 ± 0.13  5.88 ± 0.12  5.01 ± 0.10  4.67 ± 0.09 | 552 ± 6  557 ± 6  519 ± 6  476 ± 5 | 21.9 ± 0.5  24.2 ± 0.6  26.5 ± 0.6  26.1 ± 0.6 | 7.6  7.7  7.9  9.3 | 9±5  11±5  16±5  18±5 | 0.11  014  0.12  0.12 |
| Nobeoka Thrust | N32°35′27.8′′  E131°44′6.4′′ | <0.2  0.2-0.5  0.5-1.0  1.0-2.0  2.0-4.0 | 5.56 ± 0.11  5.07 ± 0.10  4.13 ± 0.08  3.88 ± 0.08  3.63 ± 0.07 | 559 ± 6  541 ± 6  480 ± 5  462 ± 5  434 ± 5 | 25.7 ± 0.6  27.3 ± 0.6  29.7 ± 0.7  30.5 ± 0.7  30.6 ± 0.7 | 9.3  5.7  5.6  5.9  5.9 | 9±5  16±5  17±5  27±5  30±5 | 0.16  0.27  0.16  0.17  0.17 |