|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Analytical spot | Age (Ma) | 176Yb/177Hf | 2σ | 176Lu/177Hf | 2σ | 176Hf/177Hf | 2σ | 176Hf/177Hfi | εHf (0) | εHf (t) | TDM1 (Ga) | TDM2 (Ga) |
| 19SM-17-1-02 | 215 | 0.044156 | 0.000063 | 0.001061 | 0.000002 | 0.282545 | 0.000026 | 0.282541 | -8.0 | -3.5 | 1.00 | 1.47 |
| 19SM-17-1-05 | 215 | 0.023262 | 0.000102 | 0.000597 | 0.000002 | 0.282524 | 0.000028 | 0.282521 | -8.8 | -4.1 | 1.02 | 1.52 |
| 19SM-17-1-07 | 215 | 0.038118 | 0.000564 | 0.000921 | 0.000010 | 0.282593 | 0.000027 | 0.282590 | -6.3 | -1.7 | 0.93 | 1.36 |
| 19SM-17-1-08 | 215 | 0.043875 | 0.001168 | 0.001046 | 0.000030 | 0.282570 | 0.000027 | 0.282566 | -7.1 | -2.6 | 0.97 | 1.42 |
| 19SM-17-1-11 | 215 | 0.026887 | 0.000136 | 0.000674 | 0.000005 | 0.282441 | 0.000023 | 0.282438 | -11.7 | -7.1 | 1.14 | 1.70 |
| 19SM-17-1-13 | 215 | 0.027340 | 0.000102 | 0.000709 | 0.000002 | 0.282510 | 0.000027 | 0.282507 | -9.3 | -4.7 | 1.04 | 1.55 |
| 19SM-17-1-14 | 215 | 0.031861 | 0.000316 | 0.000785 | 0.000005 | 0.282540 | 0.000027 | 0.282537 | -8.2 | -3.6 | 1.00 | 1.48 |
| 19SM-17-1-15 | 215 | 0.042773 | 0.001629 | 0.001051 | 0.000035 | 0.282623 | 0.000033 | 0.282619 | -5.3 | -0.7 | 0.89 | 1.30 |
| 19SM-17-1-17 | 215 | 0.051183 | 0.000246 | 0.001277 | 0.000010 | 0.282682 | 0.000030 | 0.282677 | -3.2 | 1.4 | 0.81 | 1.17 |
| 19SM-18-1-01 | 215 | 0.015380 | 0.000058 | 0.000599 | 0.000002 | 0.282537 | 0.000015 | 0.282535 | -8.3 | -3.7 | 1.00 | 1.49 |
| 19SM-18-1-02 | 215 | 0.024716 | 0.000177 | 0.000954 | 0.000006 | 0.282534 | 0.000017 | 0.282530 | -8.4 | -3.8 | 1.02 | 1.50 |
| 19SM-18-1-03 | 215 | 0.022169 | 0.000181 | 0.000901 | 0.000009 | 0.282487 | 0.000018 | 0.282483 | -10.1 | -5.5 | 1.08 | 1.60 |
| 19SM-18-1-05 | 215 | 0.012175 | 0.000130 | 0.000477 | 0.000004 | 0.282547 | 0.000016 | 0.282546 | -7.9 | -3.3 | 0.98 | 1.46 |
| 19SM-18-1-04 | 215 | 0.014181 | 0.000209 | 0.000552 | 0.000007 | 0.282538 | 0.000013 | 0.282535 | -8.3 | -3.7 | 1.00 | 1.48 |
| 19SM-18-1-06 | 215 | 0.028851 | 0.000377 | 0.001100 | 0.000014 | 0.282527 | 0.000018 | 0.282523 | -8.7 | -4.1 | 1.03 | 1.51 |
| 19SM-18-1-07 | 215 | 0.031076 | 0.000397 | 0.001148 | 0.000015 | 0.282554 | 0.000017 | 0.282549 | -7.7 | -3.2 | 0.99 | 1.45 |
| 19SM-18-1-08 | 215 | 0.013832 | 0.000415 | 0.000538 | 0.000016 | 0.282537 | 0.000013 | 0.282535 | -8.3 | -3.7 | 1.00 | 1.49 |
| 19SM-18-1-10 | 215 | 0.015312 | 0.000023 | 0.000582 | 0.000002 | 0.282557 | 0.000016 | 0.282555 | -7.6 | -3.0 | 0.97 | 1.44 |
| 19SM-18-1-13 | 215 | 0.026695 | 0.000276 | 0.001002 | 0.000010 | 0.282572 | 0.000014 | 0.282567 | -7.1 | -2.5 | 0.96 | 1.41 |
| 19SM-18-1-14 | 215 | 0.012312 | 0.000079 | 0.000483 | 0.000003 | 0.282529 | 0.000014 | 0.282527 | -8.6 | -3.9 | 1.01 | 1.50 |
| 19SM-19-1-05 | 214 | 0.047126 | 0.000673 | 0.001142 | 0.000017 | 0.282532 | 0.000037 | 0.282527 | -8.5 | -4.0 | 1.02 | 1.50 |
| 19SM-19-1-06 | 214 | 0.028881 | 0.000637 | 0.000772 | 0.000009 | 0.282488 | 0.000026 | 0.282485 | -10.0 | -5.5 | 1.07 | 1.60 |
| 19SM-19-1-08 | 214 | 0.041993 | 0.000349 | 0.001095 | 0.000009 | 0.282591 | 0.000027 | 0.282587 | -6.4 | -1.9 | 0.94 | 1.37 |
| 19SM-19-1-14 | 214 | 0.049236 | 0.000332 | 0.001328 | 0.000010 | 0.282611 | 0.000029 | 0.282606 | -5.7 | -1.2 | 0.92 | 1.33 |
| 19SM-20-1-02 | 216 | 0.016607 | 0.000300 | 0.000608 | 0.000009 | 0.282448 | 0.000049 | 0.282446 | -11.4 | -6.8 | 1.13 | 1.68 |
| 19SM-20-1-04 | 216 | 0.028455 | 0.000872 | 0.000962 | 0.000024 | 0.282438 | 0.000086 | 0.282435 | -11.8 | -7.2 | 1.15 | 1.71 |
| 19SM-20-1-05 | 216 | 0.014461 | 0.000102 | 0.000528 | 0.000003 | 0.282459 | 0.000038 | 0.282457 | -11.1 | -6.4 | 1.11 | 1.66 |
| 19SM-20-1-06 | 216 | 0.030964 | 0.000401 | 0.001076 | 0.000011 | 0.282578 | 0.000068 | 0.282574 | -6.9 | -2.3 | 0.96 | 1.40 |
| 19SM-20-1-07 | 216 | 0.023735 | 0.000423 | 0.000835 | 0.000016 | 0.282573 | 0.000030 | 0.282570 | -7.0 | -2.4 | 0.96 | 1.41 |
| 19SM-20-1-08 | 216 | 0.020110 | 0.000532 | 0.000783 | 0.000021 | 0.282540 | 0.000019 | 0.282537 | -8.2 | -3.6 | 1.00 | 1.48 |
| 19SM-20-1-09 | 216 | 0.021773 | 0.000234 | 0.000819 | 0.000008 | 0.282577 | 0.000022 | 0.282573 | -6.9 | -2.3 | 0.95 | 1.40 |
| 19SM-20-1-10 | 216 | 0.014819 | 0.000090 | 0.000577 | 0.000003 | 0.282554 | 0.000014 | 0.282552 | -7.7 | -3.1 | 0.98 | 1.45 |
| 19SM-20-1-11 | 216 | 0.014441 | 0.000032 | 0.000570 | 0.000001 | 0.282503 | 0.000019 | 0.282501 | -9.5 | -4.9 | 1.05 | 1.56 |
| 19SM-20-1-12 | 216 | 0.018471 | 0.000247 | 0.000709 | 0.000009 | 0.282521 | 0.000015 | 0.282518 | -8.9 | -4.2 | 1.03 | 1.52 |
| 19SM-20-1-13 | 216 | 0.015896 | 0.000025 | 0.000617 | 0.000001 | 0.282493 | 0.000014 | 0.282491 | -9.9 | -5.2 | 1.06 | 1.58 |
| 19SM-20-1-14 | 216 | 0.014562 | 0.000401 | 0.000560 | 0.000014 | 0.282478 | 0.000017 | 0.282476 | -10.4 | -5.7 | 1.08 | 1.62 |
| 19SM-21-1-01 | 218 | 0.017443 | 0.000327 | 0.000681 | 0.000011 | 0.282529 | 0.000019 | 0.282526 | -8.6 | -3.9 | 1.02 | 1.50 |
| 19SM-21-1-02 | 218 | 0.026463 | 0.000329 | 0.000997 | 0.000012 | 0.282419 | 0.000016 | 0.282415 | -12.5 | -7.8 | 1.18 | 1.75 |
| 19SM-21-1-03 | 218 | 0.014811 | 0.000116 | 0.000580 | 0.000006 | 0.282505 | 0.000018 | 0.282503 | -9.4 | -4.7 | 1.05 | 1.56 |
| 19SM-21-1-04 | 218 | 0.012665 | 0.000107 | 0.000497 | 0.000004 | 0.282504 | 0.000016 | 0.282502 | -9.5 | -4.8 | 1.05 | 1.56 |
| 19SM-21-1-05 | 218 | 0.021875 | 0.000193 | 0.000835 | 0.000006 | 0.282561 | 0.000018 | 0.282557 | -7.5 | -2.8 | 0.97 | 1.43 |
| 19SM-21-1-06 | 218 | 0.019996 | 0.000086 | 0.000769 | 0.000003 | 0.282543 | 0.000015 | 0.282539 | -8.1 | -3.4 | 1.00 | 1.47 |
| 19SM-21-1-07 | 218 | 0.019877 | 0.000351 | 0.000773 | 0.000014 | 0.282524 | 0.000012 | 0.282521 | -8.8 | -4.1 | 1.02 | 1.52 |
| 19SM-21-1-08 | 218 | 0.014738 | 0.000097 | 0.000574 | 0.000003 | 0.282535 | 0.000019 | 0.282533 | -8.4 | -3.7 | 1.00 | 1.49 |
| 19SM-21-1-09 | 218 | 0.017827 | 0.000036 | 0.000688 | 0.000001 | 0.282557 | 0.000014 | 0.282554 | -7.6 | -2.9 | 0.98 | 1.44 |
| 19SM-21-1-10 | 218 | 0.015839 | 0.000192 | 0.000617 | 0.000007 | 0.282526 | 0.000016 | 0.282523 | -8.7 | -4.0 | 1.02 | 1.51 |
| 19SM-21-1-11 | 218 | 0.015171 | 0.000081 | 0.000605 | 0.000004 | 0.282510 | 0.000015 | 0.282508 | -9.3 | -4.6 | 1.04 | 1.54 |
| 19SM-21-1-12 | 218 | 0.013864 | 0.000215 | 0.000548 | 0.000008 | 0.282456 | 0.000015 | 0.282453 | -11.2 | -6.5 | 1.11 | 1.67 |
| 19SM-22-1-4-01 | 217 | 0.011148 | 0.000157 | 0.000447 | 0.000007 | 0.282551 | 0.000017 | 0.282549 | -7.8 | -3.1 | 0.98 | 1.45 |
| 19SM-22-1-4-02 | 217 | 0.011193 | 0.000083 | 0.000450 | 0.000003 | 0.282513 | 0.000018 | 0.282511 | -9.2 | -4.5 | 1.03 | 1.54 |
| 19SM-22-1-4-03 | 217 | 0.014576 | 0.000055 | 0.000578 | 0.000002 | 0.282494 | 0.000016 | 0.282492 | -9.8 | -5.1 | 1.06 | 1.58 |
| 19SM-22-1-4-04 | 217 | 0.008675 | 0.000050 | 0.000355 | 0.000002 | 0.282494 | 0.000016 | 0.282493 | -9.8 | -5.1 | 1.05 | 1.58 |
| 19SM-22-1-4-05 | 217 | 0.012552 | 0.000041 | 0.000499 | 0.000002 | 0.282498 | 0.000016 | 0.282496 | -9.7 | -5.0 | 1.05 | 1.57 |
| 19SM-22-1-4-06 | 217 | 0.012327 | 0.000059 | 0.000501 | 0.000002 | 0.282541 | 0.000016 | 0.282539 | -8.2 | -3.5 | 0.99 | 1.47 |
| 19SM-22-1-4-07 | 217 | 0.014175 | 0.000088 | 0.000555 | 0.000003 | 0.282540 | 0.000015 | 0.282538 | -8.2 | -3.5 | 1.00 | 1.48 |
| 19SM-22-1-4-08 | 217 | 0.026984 | 0.000415 | 0.001035 | 0.000015 | 0.282438 | 0.000018 | 0.282433 | -11.8 | -7.2 | 1.15 | 1.71 |
| 19SM-22-1-4-09 | 217 | 0.015265 | 0.000265 | 0.000601 | 0.000010 | 0.282417 | 0.000016 | 0.282414 | -12.6 | -7.9 | 1.17 | 1.75 |
| 19SM-22-1-4-10 | 217 | 0.025484 | 0.000465 | 0.000970 | 0.000017 | 0.282482 | 0.000017 | 0.282478 | -10.3 | -5.6 | 1.09 | 1.61 |
| 19SM-22-1-4-11 | 217 | 0.017951 | 0.000163 | 0.000717 | 0.000007 | 0.282489 | 0.000016 | 0.282486 | -10.0 | -5.4 | 1.07 | 1.59 |
| 19SM-22-1-4-12 | 217 | 0.014010 | 0.000152 | 0.000550 | 0.000006 | 0.282462 | 0.000017 | 0.282459 | -11.0 | -6.3 | 1.11 | 1.65 |
| 19SM-26-1-01 | 215 | 0.009523 | 0.000084 | 0.000388 | 0.000004 | 0.282482 | 0.000021 | 0.282481 | -10.2 | -5.6 | 1.07 | 1.61 |
| 19SM-26-1-02 | 215 | 0.012802 | 0.000025 | 0.000522 | 0.000000 | 0.282484 | 0.000017 | 0.282482 | -10.2 | -5.5 | 1.07 | 1.60 |
| 19SM-26-1-03 | 215 | 0.029656 | 0.000587 | 0.001174 | 0.000023 | 0.282556 | 0.000018 | 0.282551 | -7.6 | -3.1 | 0.99 | 1.45 |
| 19SM-26-1-04 | 215 | 0.022930 | 0.000318 | 0.000910 | 0.000012 | 0.282532 | 0.000018 | 0.282528 | -8.5 | -3.9 | 1.02 | 1.50 |
| 19SM-26-1-05 | 215 | 0.013396 | 0.000083 | 0.000541 | 0.000002 | 0.282505 | 0.000024 | 0.282503 | -9.4 | -4.8 | 1.04 | 1.56 |
| 19SM-26-1-06 | 215 | 0.012319 | 0.000341 | 0.000496 | 0.000013 | 0.282530 | 0.000018 | 0.282528 | -8.6 | -3.9 | 1.01 | 1.50 |
| 19SM-26-1-07 | 215 | 0.013459 | 0.000020 | 0.000546 | 0.000001 | 0.282507 | 0.000017 | 0.282504 | -9.4 | -4.7 | 1.04 | 1.55 |
| 19SM-26-1-08 | 215 | 0.007970 | 0.000287 | 0.000345 | 0.000011 | 0.282415 | 0.000019 | 0.282414 | -12.6 | -8.0 | 1.16 | 1.76 |
| 19SM-26-1-09 | 215 | 0.013751 | 0.000127 | 0.000556 | 0.000005 | 0.282539 | 0.000017 | 0.282537 | -8.2 | -3.6 | 1.00 | 1.48 |
| 19SM-26-1-10 | 215 | 0.009914 | 0.000030 | 0.000401 | 0.000002 | 0.282494 | 0.000017 | 0.282492 | -9.8 | -5.2 | 1.06 | 1.58 |
| 19SM-26-1-11 | 215 | 0.011394 | 0.000120 | 0.000470 | 0.000005 | 0.282545 | 0.000017 | 0.282543 | -8.0 | -3.4 | 0.99 | 1.47 |
| 19SM-26-1-12 | 215 | 0.012988 | 0.000057 | 0.000529 | 0.000002 | 0.282535 | 0.000016 | 0.282533 | -8.4 | -3.7 | 1.00 | 1.49 |
| 19SM-26-1-13 | 215 | 0.012908 | 0.000295 | 0.000525 | 0.000011 | 0.282509 | 0.000017 | 0.282507 | -9.3 | -4.7 | 1.04 | 1.55 |
| 19SM-26-1-14 | 215 | 0.014903 | 0.000136 | 0.000618 | 0.000006 | 0.282502 | 0.000014 | 0.282500 | -9.5 | -4.9 | 1.05 | 1.56 |
| 19SM-32-1-01 | 227 | 0.022212 | 0.000251 | 0.000882 | 0.000008 | 0.282734 | 0.000034 | 0.282730 | -1.4 | 3.5 | 0.73 | 1.04 |
| 19SM-32-1-02 | 227 | 0.022467 | 0.000639 | 0.000901 | 0.000027 | 0.282754 | 0.000033 | 0.282750 | -0.6 | 4.2 | 0.70 | 0.99 |
| 19SM-32-1-04 | 227 | 0.025142 | 0.000619 | 0.001053 | 0.000024 | 0.282737 | 0.000080 | 0.282733 | -1.2 | 3.6 | 0.73 | 1.03 |