Supplementary Table 3. Detrital zircon LA-ICP-MS Lu-Hf isotopic data for metasandstone sample SG34 of the Castelo dos Sonhos Formation

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Zircon (spot)** | **Age (Ma)** | **±2s** | **176Hf/177Hf** | **±2SE** | **176Lu/177Hf** | **±2SE** | **Hf (t)** | **TDM (Ga)** |
| Z01 | 3164 | 6 | 0.280709 | 0.000038 | 0.000836 | 0.000034 | -2.9 | 3.47 |
| Z02 | 2845 | 5 | 0.280905 | 0.000044 | 0.000900 | 0.000019 | -3.4 | 3.22 |
| Z05 | 2554 | 5 | 0.281129 | 0.000051 | 0.001375 | 0.000159 | -2.9 | 2.95 |
| Z06 | 2455 | 5 | 0.281193 | 0.000046 | 0.000907 | 0.000038 | -2.1 | 2.83 |
| Z08 | 2395 | 11 | 0.281214 | 0.000140 | 0.002766 | 0.000143 | -5.7 | 2.94 |
| Z11 | 2054 | 4 | 0.281344 | 0.000034 | 0.001373 | 0.000042 | -6.4 | 2.66 |
| Z12 | 3700 | 3 | 0.280333 | 0.000034 | 0.000301 | 0.000014 | -2.5 | 3.91 |
| Z23 | 2569 | 4 | 0.281056 | 0.000030 | 0.000597 | 0.000032 | -3.8 | 2.99 |
| Z27 | 2540 | 13 | 0.280985 | 0.000046 | 0.000824 | 0.000022 | -7.4 | 3.10 |
| Z29 | 2479 | 5 | 0.281173 | 0.000048 | 0.001181 | 0.000054 | -2.7 | 2.88 |
| Z36 | 3251 | 8 | 0.280722 | 0.000037 | 0.001241 | 0.000062 | -1.3 | 3.49 |
| Z40 | 1973 | 14 | 0.281450 | 0.000081 | 0.001557 | 0.000071 | -4.7 | 2.53 |
| Z49 | 2044 | 8 | 0.281694 | 0.000154 | 0.006926 | 0.000865 | -1.9 | 2.55 |
| Z53 | 3664 | 4 | 0.280352 | 0.000043 | 0.001284 | 0.000023 | -5.2 | 3.99 |
| Z54 | 2921 | 5 | 0.281005 | 0.000047 | 0.000557 | 0.000021 | 2.6 | 3.05 |
| Z57 (2) | 2107 | 9 | 0.281305 | 0.000030 | 0.000618 | 0.000015 | -5.6 | 2.66 |
| Z58 (2) | 2664 | 12 | 0.281316 | 0.000055 | 0.000544 | 0.000002 | 7.7 | 2.64 |
| Z63 | 2758 | 10 | 0.280833 | 0.000042 | 0.000522 | 0.000016 | -7.3 | 3.28 |
| Z64 | 2186 | 7 | 0.281049 | 0.000041 | 0.000693 | 0.000014 | -13.0 | 3.01 |
| Z65 | 2767 | 4 | 0.280852 | 0.000041 | 0.000681 | 0.000007 | -6.7 | 3.27 |