

Table. Ion microprobe age data from Domain 3 monazite grains.

Sample ^a (monazite_spot)	Age (Ma) ($\pm\sigma$)	ThO ₂ ⁺ /Th ⁺ ^b ($\pm\sigma$)	Standard ^c ThO ₂ ⁺ /Th ⁺ ($\pm\sigma$)	²⁰⁸ Pb (%) ^d ($\pm\sigma$)	²⁰⁸ Pb*/Th ⁺ ^e ($\pm\sigma$)
MA84a					
1_1	92.1 (2.3)	2.887 (0.014)	3.269 (0.257)	98.1 (0.3)	4.569E-03 (1.161E-04)
2_1	321 (17)	2.556 (0.034)		98.4 (0.2)	1.602E-02 (8.393E-04)
5_1	7.8 (0.5)	2.521 (0.016)		83.0 (3.2)	3.841E-04 (2.258E-05)
6_1	1674 (15)	3.242 (0.012)		99.95 (0.01)	8.635E-02 (8.056E-04)
6_2	1696 (40)	2.769 (0.012)		99.90 (0.02)	8.755E-02 (2.155E-03)
MA65					
1_1	13.5 (1.0)	4.172 (0.026)	4.611 (0.104)	96.7 (1.0)	6.695E-04 (4.787E-05)
2_1	11.7 (0.5)	4.875 (0.024)		95.1 (1.5)	5.766E-04 (2.602E-05)
4_1	15.5 (1.4)	4.090 (0.044)		96.8 (2.0)	7.657E-04 (7.025E-05)
6_1	15.7 (0.6)	4.733 (0.038)		96.4 (1.8)	7.755E-04 (3.134E-05)
7_1	10.5 (0.7)	5.034 (0.023)		91.6 (3.0)	5.181E-04 (3.362E-05)
9_1	9.5 (0.4)	4.647 (0.040)		90.0 (2.9)	4.706E-04 (1.863E-05)
11_1	20.4 (1.0)	4.310 (0.022)		98.4 (0.9)	1.010E-03 (4.989E-05)
MA86					
4_1	2.22 (1.56)	6.922 (0.040)	6.265 (0.522)	16.0 (11.3)	1.098E-04 (7.718E-05)
4_2	3.43 (0.76)	6.952 (0.042)		28.0 (6.0)	1.699E-04 (3.765E-05)
4_3	4.16 (1.11)	6.543 (0.038)		21.4 (5.9)	2.057E-04 (5.477E-05)
4_4	3.50 (0.18)	5.351 (0.019)		60.6 (2.9)	1.734E-04 (9.109E-06)
4_5	3.36 (0.17)	4.873 (0.021)		60.3 (2.9)	1.662E-04 (8.486E-06)
1_1	2.88 (0.15)	5.354 (0.017)		61.7 (3.2)	1.425E-04 (7.572E-06)
2_1	3.13 (0.97)	6.322 (0.027)		20.1 (6.3)	1.548E-04 (4.791E-05)
1_1	3.41 (0.50)	2.692 (0.017)		57.8 (4.2)	1.688E-04 (2.494E-05)
1b_1	4.88 (1.44)	3.271 (0.045)		25.0 (6.8)	2.417E-04 (7.136E-05)
2_1	2.90 (0.87)	3.395 (0.042)		47.8 (12.9)	1.433E-04 (4.320E-05)
7_1	3.64 (1.34)	2.755 (0.031)		30.5 (10.5)	1.800E-04 (6.623E-05)
7a_1	3.82 (0.55)	3.210 (0.035)		54.7 (7.4)	1.888E-04 (2.740E-05)
6_1	6.01 (1.21)	3.237 (0.065)		50.5 (8.5)	2.974E-04 (5.990E-05)
DH30					
84_1 ^f	7.8 (0.9)	4.276 (0.029)	3.209 (0.058)	68.5 (7.3)	3.875E-04 (4.468E-05)
87_1	7.7 (0.4)	2.619 (0.024)		84.5 (3.4)	3.833E-04 (1.942E-05)
87_2	6.9 (0.5)	2.587 (0.016)		80.7 (4.9)	3.394E-04 (2.308E-05)
6_1 ^f	8.9 (0.7)	3.161 (0.024)	1.990 (0.234)	81.8 (4.7)	4.382E-04 (3.270E-05)
7_1 ^f	9.3 (0.5)	2.666 (0.016)		83.7 (3.2)	4.587E-04 (2.266E-05)
86_1	7.8 (0.7)	1.835 (0.020)	2.256 (0.419)	82.7 (5.4)	3.873E-04 (3.268E-05)
DH75B					
79_1 ^f	7.6 (0.2)	2.477 (0.010)	2.501 (0.069)	89.4 (1.7)	3.765E-04 (8.976E-06)
78_1 ^f	7.8 (0.2)	2.376 (0.011)		88.5 (2.2)	3.862E-04 (1.143E-05)
77_1 ^f	10.3 (0.9)	2.345 (0.010)	2.535(0.143)	52.6 (4.6)	5.082E-04 (4.585E-05)
82_1 ^f	11.1 (0.7)	2.189 (0.014)		86.1 (4.1)	5.472E-04 (3.417E-05)

a. The nomenclature indicates the grain and spot, respectively, of the analyzed monazite. Sample name is indicated in bold. See Figures 3 and 4 for locations. See Table 2 for a summary of the age data.

b. Measured ratio in sample.

c. Measured ratio of the standard grains.

d. The % ²⁰⁸Pb* is the percent radiogenically derived ²⁰⁸Pb.

e. Corrected sample ratio assuming ²⁰⁸Pb/²⁰⁴Pb=39.5 $\pm$ 0.1 [Stacey and Kramers, 1975].

f. Monazite inclusion in garnet.