

Table. Ion microprobe age data from Domain 2 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 ($\pm\sigma$)
MA27					
1_1	18.3 (0.6)	3.181 (0.017)	3.705 (0.150)	94.2 (1.8)	9.068E-04 (2.826E-05)
1_2	15.3 (1.1)	2.471 (0.012)		90.5 (2.3)	7.572E-04 (5.435E-05)
1_3	18.7 (0.6)	3.142 (0.015)		94.6 (1.6)	9.281E-04 (2.954E-05)
1_4	18.3 (0.6)	3.534 (0.013)		89.8 (2.0)	9.043E-04 (2.897E-05)
MA33					
1_1 ^f	7.0 (0.4)	4.720 (0.026)	4.470 (0.249)	86.8 (3.4)	3.444E-04 (2.051E-05)
2_1	6.7 (0.1)	4.222 (0.012)		90.5 (0.7)	3.337E-04 (3.889E-06)
3_1 ^f	6.3 (0.4)	5.312 (0.025)		84.6 (4.8)	3.093E-04 (1.903E-05)
MA83					
76_1	8.0 (0.4)	4.226 (0.024)	4.106 (0.327)	89.9 (3.7)	3.941E-04 (1.880E-05)
76_2	7.5 (0.6)	3.209 (0.020)		82.5 (6.1)	3.723E-04 (3.060E-05)
77_1	7.9 (0.6)	3.980 (0.049)		82.5 (5.4)	3.922E-04 (2.925E-05)
77_2	7.9 (0.6)	3.431 (0.026)		87.0 (5.4)	3.919E-04 (2.867E-05)
87_1 ^f	9.5 (0.8)	3.498 (0.026)		77.6 (5.6)	4.677E-04 (3.729E-05)
87_2 ^f	8.8 (0.6)	3.169 (0.019)		82.2 (4.9)	4.364E-04 (2.926E-05)
DH58a					
5a_1	21.6 (1.5)	2.778 (0.062)	3.661 (0.312)	73.0 (3.2)	1.071E-03 (7.366E-05)
5a_2	366 (21)	3.147 (0.092)		97.7 (0.3)	1.831E-02 (1.063E-03)
DH71					
68_1 ^f	21.1 (0.8)	2.476 (0.009)	2.695 (0.083)	87.5 (1.8)	1.045E-03 (3.968E-05)
67_1 ^f	21.7 (1.2)	2.400 (0.012)		86.9 (2.2)	1.073E-03 (5.802E-05)
DH73					
72_1 ^f	11.9 (0.6)	1.957 (0.010)	2.547 (0.049)	88.2 (2.3)	5.909E-04 (2.740E-05)
73_1 ^f	14.6 (1.5)	1.678 (0.010)		67.7 (5.1)	7.250E-04 (7.195E-05)
73_2 ^f	11.9 (0.4)	2.091 (0.008)		85.2 (1.8)	5.877E-04 (2.090E-05)
DH51					
108_1	10.6 (1.2)	2.838 (0.021)	2.809 (0.175)	70.5 (7.6)	5.244E-04 (5.894E-05)
111_1	9.9 (1.2)	2.905 (0.016)	2.888 (0.286)	50.4 (5.8)	4.921E-04 (5.812E-05)
109_1	9.2 (1.8)	3.023 (0.020)		29.2 (5.6)	4.573E-04 (8.991E-05)
110_1	10.6 (0.4)	2.621 (0.011)	2.617 (0.477)	84.7 (2.9)	5.266E-04 (2.057E-05)
112a_1	9.4 (1.1)	2.820 (0.019)		55.9 (6.2)	4.636E-04 (5.265E-05)
113_1	10.1 (2.7)	2.334 (0.027)		32.5 (8.7)	5.022E-04 (1.352E-04)
DH39					
1_1	9.8 (1.3)	1.684 (0.009)	3.012 (0.260)	46.1 (6.2)	4.835E-04 (6.618E-05)
2_1	9.8 (1.6)	2.044 (0.030)		42.5 (6.7)	4.853E-04 (7.885E-05)
3_1	8.2 (0.9)	1.359 (0.013)		80.9 (7.3)	4.047E-04 (4.403E-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. Sample DH51 was analyzed over continuous days, and contains multiple entries.

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.