5-29-98-AY3 White mica

step	T (°C)	$^{40}Ar/^{39}Ar$	$^{37}Ar/^{39}Ar$	$^{36}Ar/^{39}Ar$ x 10^{-3}	^{39}Ar (mol) x 10^{-15}	$\Sigma^{39}Ar$ (%)	$\%^{40}Ar^*$ (%)	Age ± 1σ (Ma)
1	530	9.581	0.0511	8.112	17.5	4.18	74.8	90.1 ± 0.4
2	580	13.46	0.0796	1.048	30.9	11.6	97.6	161.9 ± 0.3
3	630	16.49	0.0194	0.5810	47.4	22.9	98.8	198.8 ± 0.4
4	680	17.72	0.0086	0.5884	71.8	40.0	98.9	212.9 ± 0.3
5	730	18.12	0.0746	0.8484	74.0	57.7	98.5	216.7 ± 0.4
6	780	18.14	0.0315	0.7789	60.2	72.1	98.6	217.1 ± 0.4
7	830	18.37	0.0249	0.9426	61.5	86.7	98.4	219.2 ± 0.4
8	880	18.43	0.0068	0.8498	38.0	95.8	98.5	220.2 ± 0.4
9	930	19.05	0.0154	1.039	10.4	98.3	98.3	226.7 ± 0.5
10	980	19.37	0.1018	1.560	4.55	99.4	97.5	228.6 ± 0.9
11	1030	19.20	0.4266	2.948	2.66	100	95.5	222.3 ± 1.5

5-30-98-3a: (zircon) garnet amphibole gneiss; Gangma Co area

Analysis ID	$^{206}Pb/^{238}U$ Age (Ma)	$^{207}Pb/^{235}U$ Age (Ma)	$^{207}Pb/^{206}Pb$ Age (Ma)	$^{206}Pb^{*}$ (%)
r9g1s1	526 ± 10	518 ± 11	483 ± 49	99.8
r9g1s2	481 ± 6	493 ± 13	549 ± 65	99.6
r9g2s1	435 ± 8	445 ± 16	501 ± 81	99.9
r9g2s2	493 ± 12	487 ± 135	463 ± 730	61.5
r9g3s1	531 ± 8	539 ± 15	572 ± 71	99.9
r9g5s1	430 ± 10	440 ± 47	495 ± 271	99.2
r9g6s1	454 ± 6	458 ± 9	478 ± 41	99.8
r9g8s1	506 ± 6	490 ± 9	416 ± 40	99.8
r9g9s1	474 ± 6	495 ± 11	596 ± 52	99.8
r8g10s1	551 ± 7	556 ± 41	578 ± 196	93.8
r8g9s1	503± 6	503 ± 8	502 ± 38	99.8
r8g8s1	447 ± 9	473 ± 17	599 ± 81	99.8
r8g1s1	478 ± 7	477 ± 11	472 ± 47	99.7
r8g2s1	456 ± 10	484 ± 14	619 ± 68	99.9

All uncertainties are 1 sigma.

5-30-98-9c Biotite

step	T (°C)	$^{40}Ar/^{39}Ar$	$^{37}Ar/^{39}Ar$	$^{36}Ar/^{39}Ar$ x 10^{-3}	^{39}Ar (mol) x 10^{-15}	$\Sigma^{39}Ar$ (%)	$^{40}Ar^*$ (%)	Age (Ma)
1	530	8.895	0.1787	11.00	45.2	9.0	63.3	71.2 ± 0.4
2	630	18.33	0.1119	3.524	61.1	21.3	94.2	210.1 ± 0.4
3	705	20.29	0.1420	1.864	55.1	32.3	97.2	238.1 ± 0.4
4	780	20.95	0.1577	1.838	35.2	39.4	97.3	245.6 ± 0.5
5	830	20.40	0.1512	1.927	36.3	46.6	97.1	239.0 ± 0.4
6	905	20.83	0.1533	2.475	76.3	61.9	96.4	242.1 ± 0.4
7	980	20.53	0.1111	1.788	133.8	88.7	97.3	241.0 ± 0.6
8	1055	20.99	0.2419	1.009	50.1	98.7	98.5	248.9 ± 0.4
9	1130	21.13	2.174	2.373	6.40	100.0	97.4	247.9 ± 0.8

97-6-19-2: (zircon) granitoid cut by Falong detachment

Analysis ID	$^{206}Pb/^{238}U$ Age (Ma)	$^{207}Pb/^{235}U$ Age (Ma)	$^{207}Pb/^{206}Pb$ Age (Ma)	$^{206}Pb^*$ (%)
r1g13s1	217 ± 2	215 ± 3	195 ±34	99.8
r1g12s1	219 ± 3	218 ± 5	216 ±53	99.6
r1g11s1	213 ± 3	204 ± 6	100 ±65	99.5
r2g1s1	229 ± 3	216 ± 7	72 ±78	99.6
r2g1s2	231 ± 3	101 ± 5	-	99.7
r2g3s1	232 ± 4	210 ± 6	-	99.5
r2g4s1	227 ± 3	221 ± 7	159 ±80	99.3
r2g5s1	209 ± 3	210 ± 5	223 ±50	99.7
r2g6s1	220 ± 3	212 ± 10	124 ±113	99.3

All uncertainties are 1 sigma

97-6-9-4b White mica

step	T (°C)	$^{40}Ar/^{39}Ar$	$^{37}Ar/^{39}Ar$	$^{36}Ar/^{39}Ar$	^{39}Ar (mol)	$\Sigma^{39}Ar$ (%)	$^{40}Ar^*$ (%)	Age ± 1σ (Ma)
1	450	26.83	4.977E-02	5.587E-02	9.729E-15	0.676	38.2	122.9 ± 5.1
2	500	15.63	5.016E-02	1.226E-02	1.193E-14	1.50	76.3	142.4 ± 3.5
3	550	15.04	1.004E-01	4.931E-03	1.450E-14	2.51	89.8	160.3 ± 2.8
4	600	16.06	7.538E-02	2.420E-03	2.386E-14	4.17	95.2	180.1 ± 1.7
5	650	16.98	3.389E-02	1.546E-03	4.059E-14	6.99	97.0	193.2 ± 1.0
6	680	17.79	1.197E-02	9.356E-04	5.514E-14	10.8	98.2	204.2 ± 0.8
7	710	32.06	1.671E-02	4.927E-02	3.293E-14	13.1	54.2	204.0 ± 9.2
8	740	18.04	1.106E-02	9.395E-04	5.848E-14	17.2	98.2	206.9 ± 0.8
9	770	17.99	8.669E-03	8.249E-04	5.378E-14	20.9	98.4	206.7 ± 0.7
10	800	18.16	7.592E-03	1.067E-03	8.014E-14	26.5	98.1	207.8 ± 0.5
11	840	17.99	5.155E-03	7.858E-04	1.896E-13	39.6	98.5	206.9 ± 0.3
12	900	17.72	3.957E-03	4.698E-04	3.327E-13	62.7	99.1	204.8 ± 0.2
13	1000	17.72	5.375E-03	4.357E-04	3.927E-13	90.0	99.1	205.0 ± 0.1
14	1150	17.42	2.944E-02	6.192E-04	1.437E-13	100	98.8	201.1 ± 0.3

97-6-9-5 Biotite

step	T (C)	$^{40}Ar/^{39}Ar$	$^{37}Ar/^{39}Ar$	$^{36}Ar/^{39}Ar$	^{39}Ar (mol)	$\Sigma^{39}Ar$ (%)	$^{40}Ar^{*}$ (%)	Age ± 1σ (Ma)
1	450	160.1	3.37E-01	5.14E-01	2.02E-15	0.141	5.19	100.1 ± 36.1
2	500	47.25	2.64E-01	1.27E-01	1.59E-15	0.252	20.1	115.0 ± 20.0
3	550	15.29	3.74E-01	2.39E-02	6.61E-15	0.713	53.3	98.9 ± 5.4
4	600	16.22	1.93E-01	1.61E-02	6.33E-15	1.15	69.9	136.1 ± 4.7
5	650	18.89	8.54E-02	8.26E-03	1.07E-14	1.90	86.6	192.5 ± 2.9
6	680	18.47	4.13E-02	3.92E-03	1.82E-14	3.17	93.3	202.0 ± 1.8
7	710	17.77	2.49E-02	1.92E-03	3.10E-14	5.33	96.5	200.7 ± 1.0
8	740	17.65	1.45E-02	1.31E-03	5.59E-14	9.23	97.6	201.4 ± 0.7
9	770	18.17	1.24E-02	1.55E-03	6.73E-14	13.9	97.3	206.4 ± 0.5
10	800	18.29	1.42E-02	2.04E-03	5.95E-14	18.1	96.5	206.1 ± 0.6
11	840	18.10	1.82E-02	1.79E-03	5.43E-14	21.9	96.8	204.8 ± 0.7
12	900	18.38	2.30E-02	1.74E-03	6.96E-14	26.7	97.0	208.0 ± 0.5
13	1000	17.97	2.38E-02	7.84E-04	2.91E-13	47.0	98.6	206.7 ± 0.5
14	1150	17.65	3.46E-02	1.15E-04	7.59E-13	100	99.7	205.3 ± 0.1

97-6-9-5 K-Feldspar

step	T(°C)	$^{40}Ar/^{39}Ar$	$^{37}Ar/^{39}Ar$	$^{36}Ar/^{39}Ar$	^{39}Ar (mol)	$\Sigma^{39}Ar$ (%)	$^{40}Ar^*$ (%)	Age ± 1σ (Ma)
1	450	56.31	7.61E-02	7.86E-02	1.06E-14	0.770	58.5	368.2 ± 6.2
2	450	22.71	6.58E-02	2.52E-02	3.16E-15	1.00	65.6	179.3 ± 13.3
3	500	23.99	6.79E-02	1.78E-02	1.09E-14	1.79	77.5	217.7 ± 3.8
4	500	15.81	7.51E-02	4.57E-03	6.28E-15	2.25	89.8	170.1 ± 6.8
5	550	20.88	1.02E-01	1.20E-02	1.70E-14	3.49	82.5	202.1 ± 2.5
6	550	15.39	9.87E-02	2.67E-03	1.03E-14	4.24	93.7	171.8 ± 4.2
7	600	20.01	7.96E-02	9.07E-03	2.24E-14	5.87	86.2	202.2 ± 1.9
8	600	23.91	8.64E-02	2.64E-02	8.85E-15	6.51	66.7	188.6 ± 5.0
9	650	18.56	8.25E-02	5.69E-03	3.65E-14	9.17	90.6	197.1 ± 1.2
10	650	16.71	9.26E-02	1.25E-03	4.67E-14	12.6	97.5	191.2 ± 0.9
11	700	17.18	8.76E-02	1.36E-03	3.31E-14	15.0	97.3	196.0 ± 1.3
12	700	16.94	8.75E-02	9.17E-04	3.92E-14	17.8	98.0	194.9 ± 1.1
13	750	17.64	8.14E-02	1.15E-03	3.44E-14	20.3	97.7	201.8 ± 1.3
14	800	17.41	6.74E-02	1.26E-03	1.30E-13	29.8	97.7	199.0 ± 0.4
15	850	16.86	6.29E-02	3.91E-04	1.18E-13	38.4	99.1	195.6 ± 0.4
16	900	16.45	6.65E-02	4.51E-04	1.19E-13	47.1	99.0	190.9 ± 0.4
17	950	16.13	5.93E-02	4.43E-04	1.32E-13	56.7	99.0	187.4 ± 0.4
18	1000	15.85	6.71E-02	7.97E-04	1.64E-13	68.6	98.3	183.1 ± 0.3
19	1050	15.95	6.26E-02	9.08E-04	1.03E-13	76.1	98.1	183.9 ± 0.4
20	1100	15.90	5.82E-02	1.15E-03	8.97E-14	82.7	97.6	182.5 ± 0.6
21	1150	16.35	5.39E-02	1.18E-03	8.35E-14	88.8	97.6	187.4 ± 0.5
22	1200	16.28	5.40E-02	1.34E-03	4.97E-14	92.4	97.2	186.1 ± 1.2
23	1250	16.58	5.27E-02	1.61E-03	4.43E-14	95.6	96.8	188.5 ± 1.0
24	1300	16.57	5.10E-02	1.69E-03	3.46E-14	98.1	96.6	188.1 ± 1.3
25	1350	16.61	4.97E-02	1.86E-03	2.59E-14	100	96.2	188.0 ± 1.7