Table 1. Apatite fission track data, Sierras Pampeanas, northwest Argentina.

Sample No.	Unit name/age	Elevation (m)	No. of grains	Standard track density ($x10^6$ cm^{-2})	Fossil track density ($x10^6 cm^{-2}$)
Sierra de Valle Fertil					
3530	Diorite (Ordovician?)	1860	20	1.145 (4699)	2.703 (2219)
3531	Diorite (Ordovician?)	1775	20	1.160 (4699)	0.683 (457)
3532	Diorite (Ordovician?)	1675	8	1.244 (4770)	1.348 (405)
3533	Diorite (Ordovician?)	1580	20	1.175 (4699)	1.261 (1440)
3534	Diorite (Ordovician?)	1455	20	1.190 (4699)	0.612 (400)
3535	Diorite (Ordovician?)	1360	25	1.205 (4699)	0.949 (854)
3536	Diorite (Ordovician?)	1240	25	1.220 (4699)	1.644 (2018)
3537	Diorite (Ordovician?)	1105	25	1.234 (4699)	1.973 (2562)
3538	Granite	1050	25	1.249 (4699)	3.043 (3922)
Sierra La Maz					
3519	Garnet schist (Proterozoic)	1200	25	1.180 (4770)	0.068 (129)
3520	Garnet schist (Proterozoic)	1285	25	1.130 (4699)	0.058 (52)
3521	Massive amphibolite (Proterzoic)	1380	26	1.201 (4770)	0.051 (98)
3523	Meta-conglomerate (Proterozoic)	1500	25	1.223 (4770)	0.150 (271)
Sierra Umango					
3502	Schist /meta-intrusive (Proterozoic)	3255	25	1.053 (4770)	0.246 (179)
3503	Psammite (Proterozoic)	3355	25	1.074 (4770)	0.787 (1375)
3505	Biotite-garnet schist (Proterozoic)	3475	25	1.085 (4699)	0.591 (979)
3506	Biotite-garnet schist (Proterozoic)	3575	10	1.095 (4770)	0.554 (263)
3508	Meta-intrusive (Proterozoic)	3670	25	1.100 (4699)	1.948 (2172)
3509	Mica schist (Proterozoic)	3775	25	1.117 (4770)	0.818 (968)
3510	Mica schist (Proterozoic)	3880	25	1.138 (4770)	1.240 (1375)
3511	Mica schist (Proterozoic)	3970	25	1.159 (4770)	0.616 (1172)
3512	Meta-intrusive (Proterozoic)	4020	25	1.115 (4699)	0.285 (354)
Sierra de Famatina					
3539	Conglomerate (Miocene?)	5280	25	1.264 (4699)	0.003 (22)
3540	Granite in conglomerate above	5280	13	1.279 (4699)	0.041 (12)
3543	Intrusive qtz porphyry (Ordovician?)	4235	25	1.294 (4699)	0.018 (12)
3545	Feldspar porphyry dyke (Ordovician?)	3685	25	1.309 (4699)	0.082 (78)
3546	Feldspar porphyry dyke (Ordovician?)	3555	20	1.265 (4770)	0.051 (23)
3547	Granite (Ordovician?)	2995	20	1.286 (4770)	0.488 (262)
3548	Granite (Ordovician?)	2060	12	1.307 (4770)	0.353 (155)
Sierra Aconquija					
488592	Foliated granite (?Cambrian)	2650	14	1.129 (4715)	0.020 (4)
488593	Granite (?Cambrian)	2620	9	1.300 (3848)	0.006 (1)
488594	Granite (?Cambrian)	2575	17	1.147 (4715)	0
488595	Silicified granite (?Cambrian)	2470	12	1.166 (4715)	0
488596	Microcline granite (Ordovician)	1785	14	1.185 (4715)	0.093 (46)
488597	Microcline granite (Ordovician)	1735	18	1.204 (4715)	0.006 (12)
488598	Microcline granite (Ordovician)	1675	20	1.223 (4715)	1.125 (445)
488599	Microcline granite (Ordovician)	1630	28	1.242 (4715)	0.013 (14)
488601	Microcline granite (Ordovician)	1475	16	1.261 (4715)	1.134 (510)
488602	Microcline granite (Ordovician)	1425	10	1.321 (3848)	1.337 (386)
488603	Quartz diorite (Ordovician)	1270	20	1.328 (4770)	1.431 (1214)

Brackets show number of tracks or lengths counted. Standard and induced track densities measured on mica external d 379.2 for dosimeter glass Corning-5.

Induced track density ($x10^6 cm^{-2}$)	Uranium content (ppm)	Chi square probability %	Age dispersion %	Fission track age (± 1σ) (Ma)*	Mean track length (μm)	Std. dev.(μm)
2.121 (1741)	21	0.3	14.43	266 ± 13	13.19 ± 0.10 (165)	1.22
0.545 (365)	6	77.4	0.97	270 ± 19	13.11 ± 0.15 (100)	1.49
1.648 (495)	17	0	66.08	193 ± 47	12.00 ± 0.18 (55)	1.32
1.082 (1235)	12	97.6	0	255 ± 11	12.25 ± 0.11 (120)	1.23
0.442 (289)	5	93	0.01	305 ± 24	12.26 ± 0.12 (135)	1.38
1.087 (978)	11	67	5.44	197 ± 10	11.39 ± 0.14 (120)	1.56
1.541 (1892)	16	55.2	2.45	242 ± 9	11.80 ± 0.11 (120)	1.18
1.790 (2324)	18	12.4	9.74	252 ± 10	11.86 ± 0.11 (165)	1.36
2.653 (3420)	27	0.3	10.85	266 ± 9	11.39 ± 0.12 (125)	1.38
1.633 (3084)	17	2.2	34.64	9.4 ± 1.1	13.57 ± 0.16 (150)	2.28
1.264 (1125)	14	11.5	35.15	9.9 ± 1.4	12.94 ± 0.23 (52)	1.68
1.071 (2065)	11	8.1	31.38	11.3 ± 1.4	13.90 ± 0.13 (100)	1.52
3.698 (6665)	38	2.5	24.7	9.6 ± 0.8	13.30 ± 0.14 (105)	1.14
1.461 (1064)	17	91.3	0.02	34 ± 3	11.60 ± 0.53 (25)	2.65
1.079 (1886)	13	11	10.72	147 ± 6	10.13 ± 0.17 (150)	2.04
0.957 (1584)	11	15.8	9.15	126 ± 6	10.29 ± 0.21 (110)	2.23
0.843 (400)	10	44.9	8.55	136 ± 12	10.82 ± 0.31 (26)	1.6
3.447 (3844)	39	<1	24.21	120 ± 7	10.13 ± 0.23 (135)	2.64
1.145 (1355)	11	76.8	0.37	150 ± 7	10.93 ± 0.18 (105)	1.84
1.728 (1916)	19	73.8	0.16	153 ± 6	10.58 ± 0.12 (153)	1.47
0.664 (1264)	7	98.2	0.01	201 ± 9	10.71 ± 0.23 (100)	2.31
0.478 (593)	5	25	16.49	124 ± 10	10.33 ± 0.22 (110)	2.25
1.786 (1235)	18	93.1	0.09	4.3 ± 0.9	14.71 ± 0.24 (22)	1.1
2.236 (649)	22	95.6	0	4.5 ± 1.3	14.54 ± 0.56 (4)	1.12
0.647 (427)	6	82.3	0.04	6.9 ± 2.0	14.00 ± 0.41 (14)	1.55
0.730 (694)	7	26.5	12.11	28 ± 4	11.41 ± 0.34 (34)	1.98
0.256 (107)	2.5	37.4	39.66	51 ± 12	13.37 ± 0.33 (7)	1.25
2.466 (1324)	24	1.1	27.94	48 ± 5	11.30 ± 0.36 (20)	1.73
1.848 (812)	18	67.8	0.35	47 ± 4	11.09 ± 0.37 (32)	1.83
1.434 (291)	16	94.1	0.07	3.0 ± 1.5†	14.64 ± 0.54 (2)	0.76
0.527 (84)	4.5	95.8	0.27	3.0 ± 3.0†	-	-
0.220 (149)	2.4	-	-	0†	-	-
0.103 (27)	1	-	-	0†	-	-
2.970 (1477)	31	53.2	1.4	7.1 ± 1.1†	12.61 ± 1.71 (7)	4.54
0.195 (362)	2	99.9	0	7.6 ± 2.2†	13.44 ± 0.54 (2)	0.76
2.286 (904)	23	<1	31.41	118 ± 11†	10.10 ± 0.41 (37)	2.47
0.715 (797)	7	60.8	2.14	4.2 ± 1.1†	-	-
2.683 (1207)	27	<1	51.05	89 ± 13†	10.47 ± 0.54 (29)	2.91
1.840 (531)	17	52.2	4	182 ± 13†	10.83 ± 0.39 (52)	2.81
5.660 (4801)	53	0.1	14.89	67 ± 3	12.49 ± 0.14 (115)	1.55

*etectors (g= 0.5) and fossil track density on internal surfaces. *Apatite ages calculated by POS using zeta =*