TABLE 1: Sample details and apatite fission-track data, eastern Lachlan fold belt.

Sample# (# grains)	Lithology	Location (Lat°S/Long°E)	Elev. (m)	Standard track density ($x10^6$ cm^{-2})	Fossil track density ($x10^5$ cm^{-2})	Induced track density ($x10^6$ cm^{-2})	Uranium content (ppm)	Chi Square probability %	Fission track age (Ma) (±1σ)	Mean length of confined (μm±1σ)	Std dev. (μm)
94POS15	Granite	32°29'/149°40'	564	1.373	8.720	2.020	19	0.0	**113±6**	14.2±0.1	1.1
(26)				(5358)	(1452)	(3363)				(106)	
94POS16	Granite	34°21'/146°50'	534	1.578	5.857	2.006	16	0.4	**81±4**	13.9±0.1	1.3
(25)				(3913)	(1094)	(3747)				(101)	
94POS18A	Granite	32°11'/149°26'	546	1.373	6.484	1.169	11	90.1	**143±11**	11.9±0.2	1.5
(30)				(5358)	(254)	(458)				(58)	
94POS18B	Granite	32°11'/149°26'	546	1.603	9.091	1.641	13	0.0	**168±27**	12.6±0.5	2.4
(10)				(3913)	(200)	(361)				(25)	
94POS21	Granite	32°24'/148°25'	427	1.629	7.904	1.062	8	3.6	**205±18**	12.6±0.3	1.9
(25)				(3913)	(411)	(552)				(32)	
94POS24	Granite	32°44'/147°34'	335	1.665	5.824	1.868	14	6.1	**91±7**	12.5±0.5	2.5
(25)				(3913)	(265)	(850)				(24)	
94POS26	Granite	32°49'/148°33'	427	1.705	0.175	2.298	17	0.0	**228±18**	12.5±0.2	2.0
(27)				(3913)	(774)	(1018)				(100)	
94POS28	Granite	32°29'/149°07'	503	1.731	8.240	1.040	7	17.4	**238±9**	12.4±0.2	2.4
(25)				(3913)	(1788)	(2256)				(100)	
94POS31	Granite	32°41'/149°54'	686	1.582	3.784	1.042	8	12.5	**101±6**	14.1±0.2	1.6
(30)				(3954)	(439)	(1209)				(103)	
94POS33	Sandstone	32°56'/149°53	700	1.582	6.248	1.347	11	0.0	**139±17**	12.2±0.3	2.5
(30)				(3954)	(423)	(912)				(62)	
94POS36	Granite	33°25'/150°06'	930	1.582	5.294	1.552	12	0.1	**96±6**	13.6±0.2	1.8
(30)				(3954)	(766)	(2246)				(101)	
94POS37	Granite	33°27'/149°53'	808	1.582	5.804	1.159	9	0.2	**145±11**	12.3±0.3	3.2
(30)				(3954)	(538)	(1074)				(103)	
94POS40	Granodiorite	33°56'/149°44'	982	1.582	4.409	96.06	8	92.1	**127±21**	11.9±0.7	3.4
(9)				(3954)	(56)	(122)				(22)	
94POS42	Granite	33°40'/150°04'	1113	1.582	5.996	1.775	14	1.3	**94±6**	13.0±0.2	2.5
(20)				(3954)	(617)	(1826)				(103)	
94POS43	Granite	33°36'/150°07'	747	1.582	4.861	1.444	11	23.3	**93±6**	13.8±0.3	1.5
(30)				(3954)	(367)	(1090)				(32)	
94POS44	Granite	33°26'/149°46'	1052	1.582	7.396	1.113	9	0.0	**179±15**	12.6±0.2	2.3
(30)				(3954)	(872)	(1312)				(108)	
94POS46	Granite	33°25'/149°29'	756	1.582	0.303	4.019	31	23.3	**207±6**	11.5±0.3	3.2
(20)				(3954)	(4526)	(6001)				(152)	
94POS47	Granite	33°25'/149°20'	1083	1.582	0.101	1.171	9	48.3	**235±9**	11.9±0.2	2.3
(25)				(3954)	(1458)	(1697)				(107)	
94POS49	Granite	33°38'/149°16'	904	1.507	9.168	1.163	10	98.3	**206±12**	12.0±0.2	1.9
(25)				(3768)	(617)	(783)				(104)	
94POS51	Granite	33°51'/148°57'	732	1.507	9.082	1.671	14	0.0	**110±17**	11.5±0.2	1.9
(25)				(3768)	(1079)	(1985)				(102)	
94POS52	Granite	33°54'/148°58'	351	1.373	0.181	2.322	21	0.9	**205±14**	12.2±0.2	1.9
(25)				(5358)	(1049)	(1348)				(100)	
94POS53	Granite	33°57'/148°56'	335	1.507	8.604	1.101	9	6.0	**205±17**	11.9±0.4	2.0
(20)				(3768)	(265)	(339)				(62)	
94POS55	Granite	33°42'/148°47'	366	1.507	0.378	3.890	32	30.3	**254±8**	13.2±0.2	1.6
(20)				(3768)	(3171)	(3260)				(109)	
94POS57	Granite	33°25'/148°18'	253	1.507	0.240	2.915	24	0.3	**216±12**	13.4±0.1	1.5
(20)				(3768)	(1267)	(1536)				(110)	
94POS59	Granite	33°41'/148°04'	299	1.507	8.372	1.435	12	45.4	**153±11**	12.5±0.2	2.1
(20)				(3768)	(360)	(617)				(81)	
94POS60	Granite	33°47'/147°51'	408	1.373	0.110	2.036	19	21.6	**139±11**	12.7±0.3	1.8
(25)				(5358)	(271)	(502)				(42)	
94POS62	Granodiorite	34°09'/148°22'	470	1.507	7.664	1.286	11	39.6	**157±11**	12.2±0.2	2.0
(21)				(3768)	(351)	(589)				(102)	
94POS66	Granite	34°10'/147°31'	311	1.507	0.549	5.854	48	10.6	**245±7**	13.5±0.1	1.3
(20)				(3768)	(3656)	(3899)				(100)	
94POS71	Granite	34°50'/147°09'	198	1.507	0.490	5.692	47	0.9	**228±8**	13.0±0.2	1.5
(20)				(3768)	(4151)	(4821)				(100)	
94POS72	Granite	34°53'/147°24'	370	1.507	0.854	0.102	83	6.2	**220±5**	13.5±0.1	1.2
(15)				(3768)	(8620)	(10257)				(111)	
94POS74	Granite	34°45'/147°53	470	1.507	6.014	1.101	9	77.8	**144±8**	12.5±0.2	1.7
(25)				(3768)	(519)	(950)				(59)	
94POS75	Granodiorite	34°44'/148°17'	503	1.507	0.740	0.118	96	0.0	**167±9**	12.2±0.1	2.1
(15)				(3768)	(7002)	(11155)				(109)	

Analyses performed at La Trobe University following the methods described by Green (1986). Standard and induced track densities measured on mica external detectors and fossil track densities on internal grain surfaces. Ages calculated using the zeta method (POS = 379.2) for dosimeter glass CN5. Errors calculated by the conventional method (Green, 1981). Central age used when pooled data failed the Chi square test at 5%. Brackets show number of tracks counted/measured.

TABLE 1: Sample details and apatite fission-track data, eastern Lachlan fold belt (cont.).

Sample# (# grains)	Lithology	Location (Lat°S/Long°E)	Elev. (m)	Standard track density ($x10^6$ cm^{-2})	Fossil track density ($x10^5$ cm^{-2})	Induced track density ($x10^6$ cm^{-2})	Uranium content (ppm)	Chi Square probability %	Fission track age (Ma) (±1σ)	Mean length of confined (μm±1σ)	Std dev. (μm)
95POS23	Granite	33°31'/149°44'	660	1.453	0.387	3.803	33	0.0	**226±23**	12.4±0.2	1.7
(20)				(5667)	(1563)	(1537)				(100)	
95POS24	Granite	33°31'/149°47'	685	1.453	5.948	1.279	10	2.0	**125±7**	12.4±0.3	2.7
(26)				(5667)	(795)	(1709)				(106)	
95POS25	Granite	33°32'/149°49'	730	1.453	7.748	1.773	15	0.8	**121±6**	12.3±0.3	2.5
(30)				(5667)	(1234)	(2824)				(100)	
95POS26	Granite	33°31'/149°51'	710	1.453	6.232	1.330	11	87.6	**128±6**	12.4±0.3	2.9
(25)				(5667)	(655)	(1398)				(100)	
95POS30	Granite	33°32'/150°10'	760	1.472	7.238	1.717	15	0.0	**128±10**	13.8±0.2	1.9
(25)				(5835)	(750)	(1779)				(102)	
95POS31	Granite	33°33'/150°10'	670	1.482	7.337	2.142	16	31.7	**96±5**	13.7±0.1	1.3
(25)				(5835)	(608)	(1775)				(100)	
95POS32	Granite	33°36'/150°16'	975	1.491	3.051	8.631	7	99.2	**99±20**	14.7±0.5	0.8
(14)				(5835)	(35)	(99)				(3)	
95POS33	Granite	33°44'/150°14'	540	1.500	7.399	2.246	17	81.9	**93±4**	14.2±0.1	1.2
(25)				(5835)	(784)	(2380)				(102)	

Analyses performed at La Trobe University following the methods described by Green (1986). Standard and induced track densities measured on mica external detectors and fossil track densities on internal grain surfaces. Ages calculated using the zeta method (POS = 379.2) for dosimeter glass CN5. Errors calculated by the conventional method (Green, 1981). Central age used when pooled data failed the Chi square test at 5%. Brackets show number of tracks counted/measured.