

Table 1: Ion microprobe results for detrital zircons from sample UG-1417A

$^{206}\text{Pb}/^{238}\text{U}$ Age (Ma)	% $^{206}\text{Pb}^*$	$^{207}\text{Pb}/^{235}\text{U}$ Age (Ma)	$^{206}\text{Pb}^*/^{238}\text{U}$ $\times 10^{-3}$	$^{207}\text{Pb}^*/^{235}\text{U}$ $\times 10^{-2}$	Correlation Coefficient	$^{207}\text{Pb}^*/^{206}\text{Pb}^*$ $\times 10^{-2}$
78 ± 2	97.8	71 ± 21	12.20 ± 0.27	7.24 ± 2.20	0.666	4.30 ± 1.25
75 ± 2	93.9	72 ± 32	11.78 ± 0.31	7.40 ± 3.35	0.687	4.56 ± 1.98
1417 ± 12	99.8	1535 ± 9	245.9 ± 2.4	354 ± 4	0.745	10.4 ± 0.1
1681 ± 22	99.8	1682 ± 17	298.0 ± 4.5	424 ± 9	0.821	10.3 ± 0.1
83 ± 3	92.5	86 ± 45	12.98 ± 0.47	8.79 ± 4.82	0.707	4.91 ± 2.57
140 ± 3	96.2	133 ± 38	21.96 ± 0.47	14.0 ± 4.3	0.581	4.64 ± 1.36
113 ± 7	90.4	142 ± 90	17.69 ± 1.11	15.0 ± 10.1	0.663	6.14 ± 3.91
1670 ± 19	99.8	1694 ± 14	295.6 ± 3.7	431 ± 7	0.690	10.6 ± 0.1
249 ± 5	96.9	233 ± 34	39.35 ± 0.75	25.8 ± 4.2	0.425	4.75 ± 0.74
1659 ± 35	99.5	1670 ± 24	293.4 ± 7.1	418 ± 12	0.688	10.3 ± 0.2
77 ± 2	95.5	87 ± 22	12.06 ± 0.34	8.89 ± 2.36	0.496	5.35 ± 1.35
83 ± 2	95.2	122 ± 25	12.91 ± 0.31	12.7 ± 2.8	0.634	7.15 ± 1.44
1651 ± 35	99.6	1636 ± 30	291.9 ± 6.9	401 ± 15	0.695	9.96 ± 0.27
76 ± 2	98.4	97 ± 16	11.84 ± 0.25	9.99 ± 1.77	0.465	6.12 ± 1.03
89 ± 2	95.5	72 ± 31	13.89 ± 0.38	7.36 ± 3.29	0.614	3.84 ± 1.66
77 ± 3	97.0	155 ± 41	12.07 ± 0.47	16.5 ± 4.7	0.586	9.92 ± 2.61
84 ± 2	99.0	78 ± 9	13.16 ± 0.25	8.01 ± 0.92	0.394	4.41 ± 0.48
74 ± 2	99.7	99 ± 19	11.61 ± 0.26	10.2 ± 2.0	0.590	6.40 ± 1.18
1759 ± 62	99.5	1757 ± 42	313.8 ± 12.7	464 ± 23	0.796	10.7 ± 0.3
76 ± 2	96.2	71 ± 18	11.89 ± 0.28	7.29 ± 1.90	0.562	4.44 ± 1.10
77 ± 2	99.4	92 ± 14	12.06 ± 0.31	9.46 ± 1.49	0.429	5.69 ± 0.84
77 ± 2	99.2	95 ± 18	12.06 ± 0.27	9.77 ± 1.94	0.596	5.88 ± 1.09
99 ± 3	97.5	105 ± 21	15.43 ± 0.44	10.85 ± 2.30	0.538	5.10 ± 1.01
96 ± 4	95.3	116 ± 53	15.06 ± 0.61	12.07 ± 5.85	0.687	5.81 ± 2.66
75 ± 3	95.7	91 ± 41	11.76 ± 0.48	9.41 ± 4.41	0.661	5.80 ± 2.57
80 ± 2	96.7	110 ± 31	12.54 ± 0.38	11.4 ± 3.4	0.676	6.59 ± 1.83
95 ± 10	85.2	110 ± 160	14.80 ± 1.64	11.4 ± 17.5	0.618	5.59 ± 8.22
81 ± 3	93.7	85 ± 43	12.66 ± 0.43	8.74 ± 4.64	0.777	5.01 ± 2.53
84 ± 4	92.4	94 ± 53	13.18 ± 0.56	9.72 ± 5.72	0.686	5.35 ± 3.00
283 ± 4	97.6	275 ± 41	44.79 ± 0.62	31.1 ± 5.2	0.635	5.03 ± 0.80
1741 ± 12	99.0	1711 ± 29	310.1 ± 2.5	440 ± 15	0.580	10.3 ± 0.3
79 ± 11	74.0	29 ± 224	12.32 ± 1.66	2.94 ± 22.70	0.787	1.73 ± 13.2
90 ± 6	87.4	143 ± 86	14.13 ± 0.94	15.1 ± 9.8	0.631	7.74 ± 4.72
85 ± 4	95.6	162 ± 54	13.28 ± 0.59	17.3 ± 6.2	0.779	9.47 ± 3.09
83 ± 2	96.0	75 ± 28	12.97 ± 0.30	7.62 ± 2.96	0.812	4.26 ± 1.58
75 ± 3	93.3	61 ± 44	11.66 ± 0.45	6.20 ± 4.56	0.683	3.86 ± 2.74
77 ± 1	97.5	73 ± 17	12.08 ± 0.20	7.47 ± 1.83	0.806	4.48 ± 1.04
78 ± 2	95.7	84 ± 29	12.22 ± 0.32	8.58 ± 3.14	0.765	5.09 ± 1.77
78 ± 5	89.5	71 ± 79	12.11 ± 0.81	7.29 ± 8.34	0.645	4.37 ± 4.81
82 ± 3	95.4	94 ± 43	12.81 ± 0.43	9.67 ± 4.67	0.778	5.48 ± 2.50
78 ± 1	97.4	71 ± 14	12.12 ± 0.16	7.21 ± 1.46	0.766	4.32 ± 0.83
83 ± 4	93.3	92 ± 56	12.94 ± 0.59	9.47 ± 6.08	0.676	5.31 ± 3.25
1698 ± 11	99.3	1685 ± 25	301.3 ± 2.2	426 ± 13	0.649	10.3 ± 0.3
1549 ± 11	99.7	1594 ± 16	271.7 ± 2.2	381 ± 7	0.465	10.2 ± 0.2
74 ± 1	99.2	84 ± 9	11.50 ± 0.14	8.62 ± 0.93	0.653	5.44 ± 0.55

Table 2: Ion microprobe results for detrital zircons from sample SG-240

$^{206}\text{Pb}/^{238}\text{U}$ Age (Ma)	% $^{206}\text{Pb}^*$	$^{207}\text{Pb}/^{235}\text{U}$ Age (Ma)	$^{206}\text{Pb}^*/^{238}\text{U}$ $\times 10^{-3}$	$^{207}\text{Pb}^*/^{235}\text{U}$ $\times 10^{-2}$	Correlation Coefficient	$^{207}\text{Pb}^*/^{206}\text{Pb}^*$ $\times 10^{-2}$
784 ± 10	99.2	774 ± 21	129.3 ± 1.8	114 ± 4	0.585	6.41 ± 0.21
115 ± 1	99.7	112 ± 3	18.02 ± 0.12	11.7 ± 0.4	0.391	4.70 ± 0.14
111 ± 1	93.3	118 ± 14	17.31 ± 0.21	12.3 ± 1.5	0.623	5.17 ± 0.60
100 ± 1	99.2	93 ± 2	15.57 ± 0.10	9.63 ± 0.26	0.243	4.49 ± 0.12
115 ± 2	99.3	110 ± 4	17.97 ± 0.34	11.4 ± 0.5	0.597	4.61 ± 0.15
131 ± 1	96.9	119 ± 8	20.54 ± 0.17	12.4 ± 0.9	0.513	4.37 ± 0.31
81 ± 1	99.1	76 ± 4	12.69 ± 0.12	7.75 ± 0.41	0.480	4.43 ± 0.21
94 ± 1	97.5	75 ± 15	14.71 ± 0.22	7.71 ± 1.56	0.614	3.80 ± 0.74
108 ± 1	99.9	109 ± 1	16.95 ± 0.17	11.3 ± 0.1	0.803	4.83 ± 0.04
101 ± 1	98.7	92 ± 6	15.73 ± 0.13	9.47 ± 0.60	0.566	4.37 ± 0.26
110 ± 2	95.7	97 ± 21	17.25 ± 0.39	10.0 ± 2.3	0.517	4.21 ± 0.91
93 ± 1	97.7	75 ± 11	14.57 ± 0.19	7.62 ± 1.18	0.584	3.79 ± 0.56
102 ± 1	99.3	96 ± 4	15.87 ± 0.11	9.90 ± 0.40	0.410	4.52 ± 0.17
110 ± 1	98.1	94 ± 8	17.15 ± 0.16	9.72 ± 0.90	0.437	4.11 ± 0.37
85 ± 1	99.1	100 ± 8	13.23 ± 0.17	10.4 ± 0.8	0.514	5.68 ± 0.42
102 ± 2	98.9	95 ± 7	15.90 ± 0.25	9.84 ± 0.77	0.654	4.49 ± 0.31
179 ± 1	99.9	179 ± 2	28.15 ± 0.20	19.3 ± 0.2	0.632	4.96 ± 0.04
99 ± 1	97.1	90 ± 17	15.48 ± 0.20	9.23 ± 1.78	0.697	4.33 ± 0.80
85 ± 1	99.7	89 ± 4	13.29 ± 0.12	9.16 ± 0.41	0.467	5.00 ± 0.20
971 ± 6	99.9	1088 ± 4	162.5 ± 1.1	192 ± 1	0.878	8.57 ± 0.03
117 ± 1	99.8	117 ± 1	18.28 ± 0.10	12.2 ± 0.2	0.373	4.85 ± 0.06
100 ± 1	98.8	96 ± 10	15.67 ± 0.21	9.96 ± 1.07	0.522	4.61 ± 0.47
121 ± 1	99.5	121 ± 3	19.00 ± 0.14	12.7 ± 0.3	0.426	4.83 ± 0.11
102 ± 1	99.1	100 ± 5	16.02 ± 0.15	10.4 ± 0.6	0.437	4.70 ± 0.25
91 ± 2	98.3	90 ± 12	14.27 ± 0.31	9.28 ± 1.31	0.544	4.72 ± 0.62
106 ± 1	98.9	99 ± 8	16.51 ± 0.23	10.3 ± 0.8	0.505	4.51 ± 0.34
97 ± 1	99.1	87 ± 5	15.24 ± 0.15	8.90 ± 0.51	0.354	4.23 ± 0.23
108 ± 2	95.3	111 ± 31	16.87 ± 0.37	11.5 ± 3.4	0.753	4.95 ± 1.39
105 ± 2	95.3	98 ± 29	16.45 ± 0.31	10.1 ± 3.1	0.745	4.44 ± 1.31
146 ± 3	95.6	175 ± 38	22.87 ± 0.48	18.8 ± 4.5	0.621	5.97 ± 1.34
97 ± 1	98.1	106 ± 14	15.19 ± 0.19	11.0 ± 1.5	0.681	5.24 ± 0.68
136 ± 2	95.3	218 ± 31	21.28 ± 0.39	24.0 ± 3.8	0.618	8.16 ± 1.20
112 ± 2	97.1	138 ± 21	17.47 ± 0.33	14.6 ± 2.4	0.637	6.05 ± 0.92
123 ± 3	95.9	116 ± 23	19.23 ± 0.40	12.1 ± 2.5	0.596	4.55 ± 0.90
96 ± 1	97.7	95 ± 13	15.05 ± 0.22	9.78 ± 1.41	0.581	4.71 ± 0.64
167 ± 5	94.0	266 ± 65	26.24 ± 0.80	29.9 ± 8.3	0.752	8.27 ± 2.11
100 ± 8	80.2	95 ± 124	15.62 ± 1.22	9.84 ± 13.50	0.879	4.57 ± 5.93
87 ± 1	96.9	99 ± 16	13.52 ± 0.23	10.2 ± 1.7	0.677	5.49 ± 0.87
83 ± 4	85.1	114 ± 61	13.00 ± 0.67	11.9 ± 6.7	0.676	6.63 ± 3.51
102 ± 2	96.3	123 ± 20	15.90 ± 0.32	12.9 ± 2.3	0.618	5.87 ± 0.96
96 ± 1	99.0	105 ± 8	14.99 ± 0.20	10.9 ± 0.9	0.462	5.25 ± 0.40
102 ± 4	89.1	72 ± 59	16.01 ± 0.58	7.34 ± 6.20	0.785	3.32 ± 2.72
131 ± 3	80.9	115 ± 50	20.48 ± 0.55	12.0 ± 5.5	0.853	4.23 ± 1.86
93 ± 4	86.2	83 ± 69	14.47 ± 0.63	8.56 ± 7.32	0.684	4.29 ± 3.54
108 ± 4	88.9	116 ± 64	16.94 ± 0.70	12.1 ± 7.0	0.748	5.19 ± 2.86

Table 3: Ion microprobe results for detrital zircons from sample SP-241

$^{206}\text{Pb}/^{238}\text{U}$ Age (Ma)	% $^{206}\text{Pb}^*$	$^{207}\text{Pb}/^{235}\text{U}$ Age (Ma)	$^{206}\text{Pb}^*/^{238}\text{U}$ $\times 10^{-3}$	$^{207}\text{Pb}^*/^{235}\text{U}$ $\times 10^{-2}$	Correlation Coefficient	$^{207}\text{Pb}^*/^{206}\text{Pb}^*$ $\times 10^{-2}$
234 ± 1	99.9	239 ± 3	37.03 ± 0.14	26.5 ± 0.4	0.270	5.19 ± 0.07
1024 ± 5	99.9	1147 ± 6	172.1 ± 1.0	209 ± 2	0.216	8.82 ± 0.08
416 ± 2	100	572 ± 4	66.65 ± 0.34	75.6 ± 0.7	-0.328	8.23 ± 0.10
1643 ± 8	99.9	1696 ± 9	290.2 ± 1.6	432 ± 5	0.417	10.8 ± 0.1
1665 ± 36	100	1702 ± 19	294.8 ± 7.3	435 ± 10	0.903	10.7 ± 0.1
1573 ± 8	99.9	1612 ± 5	276.3 ± 1.5	389 ± 3	0.782	10.2 ± 0.0
1728 ± 23	99.8	1718 ± 17	307.4 ± 4.7	443 ± 9	0.801	10.5 ± 0.1
74 ± 1	98.1	81 ± 6	11.61 ± 0.13	8.28 ± 0.69	0.544	5.17 ± 0.40
101 ± 1	99.4	109 ± 6	15.81 ± 0.13	11.4 ± 0.6	0.511	5.22 ± 0.26
1683 ± 10	99.9	1684 ± 8	298.3 ± 2.0	425.1 ± 4.0	0.714	10.3 ± 0.1
266 ± 2	99.2	259 ± 12	42.14 ± 0.32	29.1 ± 1.5	0.412	5.01 ± 0.24
1529 ± 6	100	1516 ± 3	267.8 ± 1.1	345 ± 2	0.776	9.34 ± 0.03
81 ± 1	100	115 ± 6	12.59 ± 0.16	12.0 ± 0.7	0.156	6.92 ± 0.39
1638 ± 8	100	1662 ± 7	289.4 ± 1.6	414 ± 3	0.776	10.4 ± 0.1
76 ± 2	94.7	96 ± 24	11.92 ± 0.33	9.90 ± 2.59	0.709	6.03 ± 1.46
88 ± 1	100	121 ± 10	13.79 ± 0.20	12.7 ± 1.2	0.600	6.65 ± 0.55
82 ± 1	98.9	134 ± 15	12.74 ± 0.23	14.1 ± 1.7	0.485	8.05 ± 0.90
1911 ± 11	99.9	1852 ± 10	345.1 ± 2.3	519 ± 6	0.700	10.9 ± 0.1
1271 ± 9	99.8	1409 ± 11	217.9 ± 1.8	301 ± 4	0.603	10.0 ± 0.1
70 ± 1	99.2	76 ± 3	10.89 ± 0.11	7.80 ± 0.34	0.421	5.20 ± 0.21
152 ± 2	98.6	195 ± 23	23.86 ± 0.34	21.2 ± 2.7	0.702	6.44 ± 0.77
183 ± 3	98.1	188 ± 20	28.73 ± 0.45	20.4 ± 2.4	0.534	5.15 ± 0.57
1685 ± 10	99.7	1694 ± 13	298.7 ± 2.0	431 ± 7	0.630	10.5 ± 0.1
1645 ± 18	99.6	1725 ± 29	290.7 ± 3.6	447 ± 16	0.730	11.2 ± 0.3
83 ± 2	96.5	79 ± 15	12.99 ± 0.24	8.11 ± 1.55	0.621	4.53 ± 0.82
87 ± 1	96.5	84 ± 16	13.51 ± 0.20	8.66 ± 1.72	0.652	4.65 ± 0.88
74 ± 1	97.5	70 ± 10	11.50 ± 0.19	7.09 ± 1.01	0.633	4.47 ± 0.59
92 ± 2	95.7	134 ± 31	14.35 ± 0.37	14.1 ± 3.5	0.730	7.13 ± 1.64
86 ± 1	99.6	87 ± 3	13.38 ± 0.12	8.95 ± 0.33	0.668	4.85 ± 0.16
78 ± 1	97.7	85 ± 12	12.21 ± 0.21	8.69 ± 1.26	0.633	5.16 ± 0.70
88 ± 1	98.2	108 ± 15	13.68 ± 0.22	11.3 ± 1.6	0.671	5.96 ± 0.78
91 ± 1	98.7	133 ± 12	14.18 ± 0.17	14.0 ± 1.3	0.581	7.16 ± 0.63
80 ± 2	94.7	82 ± 25	12.43 ± 0.27	8.41 ± 2.69	0.773	4.91 ± 1.49
82 ± 2	92.2	86 ± 26	12.72 ± 0.28	8.86 ± 2.82	0.581	5.05 ± 1.55