

Table A. U-Th-Pb SHRIMP-RG analytical data for zircons from the lowermost migmatites (samples 349 and 524).

Spot Name	Description ^(a)	Common ²⁰⁶ Pb (%) ^(b)	U (ppm)	Th (ppm)	²³² Th/ ²³⁸ U	"Age" ^(c) (d)	Uncorrected ratios		²⁰⁶ Pb Corrected ratios				error correlation
							²³⁸ U/ ²⁰⁶ Pb ^(e)	²⁰⁷ Pb/ ²⁰⁶ Pb ^(e)	²³⁸ U/ ²⁰⁶ Pb ^(c) (e)	²⁰⁷ Pb*/ ²⁰⁶ Pb ^(c) (e)	²⁰⁷ Pb*/ ²³⁵ U ^(c) (e)	²⁰⁶ Pb*/ ²³⁸ U ^(c) (e)	
349													
11	r	0.04	1267	9	0.01	307.2 ± 1.1	20.48 ± 0.4	0.0529 ± 1.1	20.48 ± 0.4	0.0526 ± 1.1	0.35 ± 1.2	0.0488 ± 0.4	0.3043
4	r	-0.01	1234	5	0.00	309.2 ± 1.2	20.36 ± 0.4	0.0525 ± 1.2	20.37 ± 0.4	0.0521 ± 1.3	0.35 ± 1.3	0.0491 ± 0.4	0.2946
29	r	0.02	931	5	0.01	316.0 ± 1.3	19.90 ± 0.4	0.0529 ± 1.3	19.96 ± 0.4	0.0507 ± 1.9	0.35 ± 1.9	0.0501 ± 0.4	0.2197
20	r	1.04	294	3	0.01	322.5 ± 2.5	19.29 ± 0.8	0.0612 ± 2.1	19.61 ± 0.9	0.0480 ± 7.3	0.34 ± 7.4	0.0510 ± 0.9	0.1177
13	HcPb	2.24	1084	9	0.01	325.8 ± 1.9	18.86 ± 0.4	0.0710 ± 4.7	19.33 ± 0.5	0.0512 ± 8.3	0.36 ± 8.3	0.0517 ± 0.5	0.0608
30	r	1.33	389	47	0.12	338.2 ± 2.1	18.32 ± 0.6	0.0639 ± 1.6	18.70 ± 0.7	0.0471 ± 6.6	0.35 ± 6.7	0.0535 ± 0.7	0.1069
32	r	0.21	440	5	0.01	369.6 ± 2.6	16.91 ± 0.7	0.0556 ± 2.2	17.11 ± 0.8	0.0461 ± 6.6	0.37 ± 6.6	0.0584 ± 0.8	0.1187
15	HcPb	6.30	570	14	0.03	416.9 ± 2.3	14.02 ± 0.5	0.1061 ± 1.1	14.24 ± 0.6	0.0945 ± 2.5	0.92 ± 2.6	0.0702 ± 0.6	0.2290
28	r, inher	-0.12	331	60	0.19	607.5 ± 3.6	10.13 ± 0.6	0.0591 ± 1.4	10.14 ± 0.6	0.0581 ± 1.7	0.79 ± 1.8	0.0986 ± 0.6	0.3362
1	r, inher	0.08	703	50	0.07	636.1 ± 2.5	9.64 ± 0.4	0.0615 ± 1.1	9.64 ± 0.4	0.0609 ± 1.2	0.87 ± 1.3	0.1037 ± 0.4	0.3194
14	r, inher	0.07	1004	56	0.06	654.2 ± 2.2	9.35 ± 0.3	0.0620 ± 0.8	9.36 ± 0.3	0.0614 ± 0.9	0.90 ± 1.0	0.1068 ± 0.3	0.3461
7	r, inher	0.01	828	357	0.45	787.1 ± 2.7	7.70 ± 0.3	0.0654 ± 0.7	7.70 ± 0.3	0.0652 ± 0.7	1.17 ± 0.8	0.1298 ± 0.3	0.4263
10	r, inher	-0.19	671	48	0.07	819.3 ± 3.4	7.39 ± 0.4	0.0648 ± 0.9	7.40 ± 0.4	0.0644 ± 0.9	1.20 ± 1.0	0.1352 ± 0.4	0.4197
24	HcPb	2.02	264	29	0.11	834.7 ± 6.0	7.09 ± 0.7	0.0836 ± 1.2	7.23 ± 0.8	0.0671 ± 4.6	1.28 ± 4.6	0.1383 ± 0.8	0.1762
23	r, inher	-0.20	395	57	0.15	897.6 ± 3.2	5.80 ± 0.6	0.0718 ± 1.0	5.82 ± 0.6	0.0690 ± 1.6	1.63 ± 1.7	0.1718 ± 0.6	0.3384
2	r, inher	0.13	234	77	0.34	919.9 ± 5.6	6.51 ± 0.6	0.0708 ± 1.2	6.51 ± 0.6	0.0708 ± 1.2	1.50 ± 1.4	0.1536 ± 0.6	0.4484
16	r, inher	0.03	166	51	0.32	921.3 ± 7.9	6.51 ± 0.9	0.0700 ± 1.5	6.51 ± 0.9	0.0694 ± 1.5	1.47 ± 1.8	0.1536 ± 0.9	0.4969
8	r, inher	0.15	803	26	0.03	924.8 ± 3.6	6.47 ± 0.4	0.0711 ± 0.8	6.47 ± 0.4	0.0709 ± 0.8	1.51 ± 0.9	0.1544 ± 0.4	0.4323
27	r, inher	1.98	926	78	0.09	949.5 ± 2.6	6.18 ± 0.3	0.0873 ± 0.8	6.18 ± 0.3	0.0871 ± 0.9	1.94 ± 0.9	0.1619 ± 0.3	0.2914
12	r, inher	-0.11	934	72	0.08	952.2 ± 3.2	6.29 ± 0.3	0.0699 ± 0.6	6.29 ± 0.3	0.0698 ± 0.6	1.53 ± 0.7	0.1590 ± 0.3	0.4675
27.2	r, inher	-0.02	1487	120	0.08	959.0 ± 2.4	6.24 ± 0.3	0.0709 ± 0.5	6.24 ± 0.3	0.0708 ± 0.5	1.57 ± 0.5	0.1604 ± 0.3	0.4647
22	r, inher	-0.16	241	143	0.61	961.8 ± 5.9	6.22 ± 0.6	0.0698 ± 1.2	6.23 ± 0.6	0.0691 ± 1.3	1.53 ± 1.5	0.1605 ± 0.6	0.4291
26	r, inher	-0.02	1250	23	0.02	967.5 ± 2.5	6.18 ± 0.3	0.0712 ± 0.5	6.18 ± 0.3	0.0710 ± 0.6	1.58 ± 0.6	0.1619 ± 0.3	0.4249
3	r, inher	-0.06	462	207	0.46	995.1 ± 4.5	5.99 ± 0.5	0.0718 ± 0.8	6.00 ± 0.5	0.0717 ± 0.8	1.65 ± 1.0	0.1668 ± 0.5	0.4781
19	r, inher	0.09	581	28	0.05	1015 ± 20	5.87 ± 0.4	0.0737 ± 0.9	5.87 ± 0.4	0.0731 ± 1.0	1.71 ± 1.1	0.1702 ± 0.4	0.3586
17	r, inher	0.27	1171	41	0.04	1070 ± 10	5.87 ± 0.3	0.0752 ± 0.5	5.87 ± 0.3	0.0751 ± 0.5	1.76 ± 0.6	0.1704 ± 0.3	0.5405
18	r, inher	0.67	906	992	1.13	2114 ± 6	2.67 ± 0.3	0.1315 ± 0.3	2.67 ± 0.3	0.1312 ± 0.3	6.77 ± 0.4	0.3741 ± 0.3	0.6839
31	HcPb	8.17	328	135	0.42	2293 ± 16	4.50 ± 0.6	0.1489 ± 1.7	4.52 ± 0.6	0.1454 ± 0.9	4.43 ± 1.1	0.2210 ± 0.6	0.5792
33	HcPb	8.07	556	13	0.02	2296 ± 33	4.15 ± 0.5	0.1523 ± 0.5	4.19 ± 0.5	0.1456 ± 1.9	4.79 ± 2.0	0.2387 ± 0.5	0.2662
25	HcPb	7.31	168	39	0.24	2322 ± 21	3.93 ± 1.0	0.1495 ± 1.1	3.94 ± 1.0	0.1480 ± 1.2	5.18 ± 1.6	0.2540 ± 1.0	0.6253
21	HcPb	4.67	245	86	0.36	2412 ± 14	2.76 ± 0.5	0.1578 ± 0.8	2.77 ± 0.5	0.1559 ± 0.8	7.76 ± 1.0	0.3611 ± 0.5	0.5001
5	HcPb	3.26	581	261	0.47	2429 ± 6	2.53 ± 0.4	0.1578 ± 0.4	2.53 ± 0.4	0.1575 ± 0.4	8.57 ± 0.5	0.3947 ± 0.4	0.7278
35	r, inher	0.71	247	133	0.56	2466 ± 8	2.20 ± 0.6	0.1612 ± 0.5	2.20 ± 0.6	0.1610 ± 0.5	10.08 ± 0.8	0.4543 ± 0.6	0.7455
6	HcPb	2.15	1252	379	0.31	2469 ± 4	2.34 ± 0.3	0.1614 ± 0.2	2.34 ± 0.3	0.1613 ± 0.2	9.52 ± 0.4	0.4281 ± 0.3	0.7903
36	HcPb	5.77	621	59	0.10	2476 ± 6	2.86 ± 0.3	0.1625 ± 0.3	2.86 ± 0.3	0.1620 ± 0.3	7.80 ± 0.4	0.3493 ± 0.3	0.6675
9	r, inher	0.19	330	181	0.57	2491 ± 7	2.13 ± 0.5	0.1634 ± 0.4	2.13 ± 0.5	0.1633 ± 0.4	10.55 ± 0.6	0.4686 ± 0.5	0.7649
34	r, inher	-0.19	1144	340	0.31	2737 ± 5	1.88 ± 0.3	0.1895 ± 0.3	1.88 ± 0.3	0.1894 ± 0.3	13.88 ± 0.4	0.5315 ± 0.3	0.6594
524													
9.2	r	0.02	341	8	0.03	287.5 ± 1.8	21.92 ± 0.6	0.0522 ± 1.9	21.95 ± 0.6	0.0509 ± 2.4	0.32 ± 2.5	0.0455 ± 0.6	0.2613
5	r	0.12	799	7	0.01	304.1 ± 1.3	20.68 ± 0.4	0.0534 ± 1.3	20.70 ± 0.4	0.0525 ± 1.5	0.35 ± 1.6	0.0483 ± 0.4	0.2746
18.1	r	0.10	484	7	0.02	308.6 ± 3.8	20.37 ± 1.2	0.0533 ± 1.7	20.41 ± 1.2	0.0518 ± 2.3	0.35 ± 2.6	0.0490 ± 1.2	0.4778
7	r	-0.16	811	12	0.02	312.7 ± 1.7	20.15 ± 0.5	0.0513 ± 1.4	20.15 ± 0.5	0.0514 ± 1.4	0.35 ± 1.5	0.0496 ± 0.5	0.3564
5.2	r	0.04	851	9	0.01	314.4 ± 1.5	20.00 ± 0.5	0.0530 ± 1.4	20.00 ± 0.5	0.0530 ± 1.4	0.37 ± 1.4	0.0500 ± 0.5	0.3215
17	r	-0.24	1199	8	0.01	316.4 ± 1.2	19.93 ± 0.4	0.0508 ± 1.1	19.91 ± 0.4	0.0516 ± 1.3	0.36 ± 1.4	0.0502 ± 0.4	0.2754
12	r	0.33	769	12	0.02	339.6 ± 1.7	18.43 ± 0.5	0.0559 ± 1.3	18.45 ± 0.5	0.0548 ± 1.6	0.41 ± 1.7	0.0542 ± 0.5	0.3063
18.2	HcPb	7.74	700	10	0.01	649.2 ± 3.9	8.71 ± 0.5	0.1247 ± 2.4	8.71 ± 0.5	0.1244 ± 2.4	1.97 ± 2.5	0.1148 ± 0.5	0.1860
20	r, inher	0.08	2125	414	0.20	718.1 ± 1.5	8.48 ± 0.2	0.0639 ± 0.4	8.48 ± 0.2	0.0638 ± 0.4	1.04 ± 0.5	0.1179 ± 0.2	0.4556
16	r, inher	1.01	483	68	0.15	813.7 ± 4.3	7.36 ± 0.5	0.0746 ± 1.5	7.42 ± 0.5	0.0680 ± 2.2	1.26 ± 2.3	0.1348 ± 0.5	0.2394
11	r, inher	0.06	118	52	0.46	882.1 ± 8.1	6.81 ± 0.9	0.0690 ± 1.8	6.82 ± 0.9	0.0683 ± 1.9	1.38 ± 2.1	0.1466 ± 0.9	0.4351
10	r, inher	0.12	1348	97	0.07	910.3 ± 2.7	6.59 ± 0.3	0.0704 ± 0.8	6.59 ± 0.3	0.0703 ± 0.8	1.47 ± 0.9	0.1518 ± 0.3	0.3440
4	r, inher	-0.20	2100	28	0.01	970.8 ± 2.2	6.17 ± 0.2	0.0698 ± 0.9	6.17 ± 0.2	0.0697 ± 0.9	1.56 ± 0.9	0.1622 ± 0.2	0.2553
12.2	r, inher	-0.26	954	91	0.10	980.7 ± 3.3	6.10 ± 0.3	0.0696 ± 1.2	6.10 ± 0.3	0.0694 ± 1.2	1.57 ± 1.3	0.1638 ± 0.3	0.2687
3	r, inher	-0.09	752	34	0.05	987.3 ± 3.4	6.05 ± 0.3	0.0713 ± 0.6	6.05 ± 0.3	0.0712 ± 0.6	1.62 ± 0.7	0.1653 ± 0.3	0.4726
1	r, inher	1.03	436	100	0.24	1722 ± 15	3.62 ± 0.5	0.1055 ± 0.8	3.62 ± 0.5	0.1054 ± 0.8	4.02 ± 1.0	0.2765 ± 0.5	0.4984
6	r, inher	0.05	360	55	0.16	1883 ± 10	2.95 ± 0.5	0.1154 ± 0.5	2.95 ± 0.5	0.1152 ± 0.6	5.38 ± 0.7	0.3384 ± 0.5	0.6611
14	HcPb	7.73	414	70	0.17	2363 ± 9	3.96 ± 0.9	0.1523 ± 0.5	3.97 ± 0.9	0.1515 ± 0.5	5.27 ± 1.0	0.2521 ± 0.9	0.8603
13	HcPb	10.06	63	27	0.44	2375 ± 52	3.09 ± 1.2	0.1881 ± 1.1	3.23 ± 1.3	0.1526 ± 3.0	6.51 ± 3.3	0.3094 ± 1.3	0.3983
2	r, inher	0.98	204	213	1.08	2461 ± 9	2.23 ± 0.6	0.1607 ± 0.5	2.23 ± 0.6	0.1605 ± 0.5	9.92 ± 0.8	0.4482 ± 0.6	0.7547
19	HcPb	2.04	555	27	0.05	2466 ± 9	2.33 ± 0.4	0.1610 ± 0.5	2.33 ± 0.4	0.1610 ± 0.5	9.53 ± 0.7	0.4293 ± 0.4	0.5829
15	r, inher	-0.58	166	54	0.34	2660 ± 19	1.93 ± 0.8	0.1810 ± 1.1	1.93 ± 0.8	0.1807 ± 1.1	12.93 ± 1.4	0.5190 ± 0.8	0.5803

^a Zircon characterization: r=rim; inher=inheritance; HcPb= high common Pb.

^b Negative values denote reversely discordant analyses.

^c Pb* denotes radiogenic lead.

^d Errors are 1σ (absolute values).

^e Errors are expressed in percentage (%).

*Age <1000 Ma are based on 207Pb corrected ²⁰⁶Pb/²³⁸U ratios, whereas ages >1000 Ma are calculated from 204Pb corrected ²⁰⁶Pb/²⁰⁷Pb ratios".