

Table S2. Concurrent Pb and Hf-Lu-Yb isotope data for zircons of Lewisian granulites

Grain/spot# <sup>1</sup>	<sup>176</sup> Hf/ <sup>177</sup> Hf <sup>2</sup>	<sup>178</sup> Hf/ <sup>177</sup> Hf <sup>2</sup>	<sup>176</sup> Lu/ <sup>177</sup> Hf <sup>2</sup>	<sup>176</sup> Yb/ <sup>177</sup> Hf <sup>2</sup>	<sup>207</sup> Pb/ <sup>206</sup> Pb <sup>2</sup>	Age (Ma) <sup>3</sup> (measured)	Age (Ma) <sup>4</sup> (pref./min.)	<sup>176</sup> Hf/ <sup>177</sup> Hf <sub>i</sub> <sup>5</sup>	ε <sub>Hf</sub> (t) <sup>5</sup>	comment <sup>6</sup>
<i>Lew99-Ky (n2822<sup>6</sup>) - granulite facies tonalite, Kylestrom</i>										
Hf-1	0.280992 ± 19	1.467222 ± 45	0.000193 ± 04	0.0068 ± 02	0.1853 ± 08	2701 ± 07	2850	0.280982	0.86 ± 0.66	Single phase
6b (Hf-2)	0.281015 ± 17	1.467217 ± 42	0.000311 ± 10	0.0105 ± 03	0.1961 ± 07	2794 ± 06	2850	0.280998	1.44 ± 0.61	Core
5 (Hf-3)	0.281000 ± 22	1.467259 ± 54	0.000188 ± 11	0.0067 ± 04	0.1832 ± 34	2682 ± 30	2850	0.280990	1.15 ± 0.77	Core
10a (Hf-4)	0.281014 ± 28	1.467232 ± 32	0.000289 ± 40	0.0111 ± 19	0.1925 ± 08	2764 ± 07	2850	0.280998	1.43 ± 1.01	Single phase
14b (Hf-5)	0.281016 ± 15	1.467241 ± 39	0.000213 ± 12	0.0076 ± 05	0.1925 ± 18	2764 ± 15	2850	0.281005	1.67 ± 0.54	Single phase
16a (Hf-6)	0.280995 ± 27	1.467252 ± 64	0.000311 ± 98	0.0114 ± 36	0.1911 ± 15	2751 ± 13	2850	0.280978	0.74 ± 0.99	Core
19a (Hf-7)	0.281018 ± 24	1.467277 ± 49	0.000359 ± 35	0.0116 ± 08	0.1945 ± 13	2781 ± 11	2850	0.280999	1.46 ± 0.84	Single phase
25a (Hf-8)	0.280980 ± 24	1.467200 ± 43	0.000258 ± 37	0.0088 ± 12	0.1896 ± 40	2739 ± 35	2850	0.280966	0.30 ± 0.86	Single phase
26b (Hf-9)	0.281025 ± 40	1.467193 ± 78	0.000551 ± 29	0.0185 ± 11	0.1829 ± 31	2680 ± 28	2850	0.280995	1.31 ± 1.44	Single phase
32a (Hf-10)	0.280861 ± 31	1.467230 ± 48	0.000272 ± 34	0.0107 ± 16	0.1884 ± 15	2728 ± 13	2850	0.280846	-3.98 ± 1.12	Marked age, Hf zoning
35b (Hf-11)	0.281019 ± 25	1.467234 ± 50	0.000470 ± 45	0.0170 ± 15	0.1942 ± 04	2778 ± 03	2850	0.280993	1.27 ± 0.89	Core
1a	0.280988 ± 22	1.467265 ± 46	0.000289 ± 20	0.0087 ± 06	-	-	2829	0.280972	0.04 ± 0.76	Core
1b	0.280994 ± 16	1.467259 ± 32	0.000186 ± 06	0.0058 ± 02	-	-	2501	0.280985	-7.12 ± 0.55	Rim
7a	0.281020 ± 30	1.467270 ± 54	0.000736 ± 30	0.0214 ± 12	-	-	2865	0.280979	1.12 ± 1.09	Core
11b	0.280988 ± 28	1.467260 ± 64	0.000605 ± 76	0.0182 ± 22	-	-	2854	0.280955	-0.02 ± 1.00	Core
21a	0.280988 ± 18	1.467292 ± 48	0.000335 ± 46	0.0087 ± 14	-	-	2890	0.280970	1.37 ± 0.61	Core
24a	0.281000 ± 28	1.467259 ± 54	0.000527 ± 40	0.0131 ± 10	-	-	2882	0.280971	1.22 ± 1.01	Core
41a	0.281015 ± 30	1.467275 ± 44	0.001370 ± 30	0.0376 ± 08	-	-	2856	0.280940	-0.49 ± 1.04	Core, high REE inclns.
65b	0.280970 ± 20	1.467258 ± 44	0.000259 ± 14	0.0072 ± 06	-	-	2887	0.280955	0.77 ± 0.69	Core
71a	0.280985 ± 20	1.467263 ± 44	0.000983 ± 22	0.0257 ± 06	-	-	2867	0.280931	-0.54 ± 0.70	Core
72a	0.280999 ± 18	1.467213 ± 52	0.000582 ± 36	0.0154 ± 10	-	-	2830	0.280968	-0.11 ± 0.63	Core
<i>Lew99-GE (n28216) - granulite facies tonalite, Geodh Eanruig (Scouriemore)</i>										
1 (Hf-1)	0.281010 ± 20	1.467235 ± 30	0.000429 ± 30	0.0154 ± 10	0.1793 ± 14	2647 ± 12	2850	0.280986	1.02 ± 0.74	Core
11 (Hf-2)	0.280970 ± 22	1.467234 ± 32	0.000094 ± 14	0.0034 ± 05	0.1683 ± 04	2541 ± 05	2500	0.280965	-7.83 ± 0.79	Core
14b (Hf-3)	0.280974 ± 20	1.467220 ± 46	0.000210 ± 10	0.0076 ± 03	0.1736 ± 50	2593 ± 48	2850	0.280962	0.17 ± 0.70	Single phase
14b (Hf-3b)	0.280955 ± 16	1.467227 ± 40	0.000186 ± 02	0.0068 ± 01	0.1720 ± 08	2577 ± 08	2850	0.280945	-0.46 ± 0.56	Single phase
17b (Hf-4)	0.280929 ± 24	1.467208 ± 36	0.000494 ± 84	0.0161 ± 30	0.1999 ± 36	2825 ± 29	2850	0.280902	-1.99 ± 0.87	Core
16 (Hf-5)	0.280938 ± 24	1.467252 ± 30	0.000961 ± 162	0.0342 ± 59	0.2086 ± 12	2894 ± 10	2900	0.280884	-1.45 ± 0.89	Core
30c (Hf-6)	0.280963 ± 16	1.467243 ± 36	0.000232 ± 24	0.0084 ± 11	0.2005 ± 28	2831 ± 22	2850	0.280950	-0.27 ± 0.57	Single phase
28a (Hf-7)	0.280986 ± 18	1.467255 ± 42	0.000185 ± 10	0.0064 ± 03	0.1822 ± 48	2673 ± 43	2850	0.280976	0.66 ± 0.66	Core
28a (Hf-7b)	0.280955 ± 22	1.467201 ± 34	0.000258 ± 08	0.0091 ± 03	0.1931 ± 14	2769 ± 11	2850	0.280941	-0.58 ± 0.79	Core
31a (Hf-8)	0.281022 ± 30	1.467226 ± 38	0.001789 ± 72	0.0642 ± 26	0.1959 ± 10	2793 ± 09	2950	0.280921	1.01 ± 1.09	Core
15 (Hf-9)	0.280980 ± 24	1.467239 ± 42	0.000287 ± 60	0.0101 ± 21	0.1926 ± 16	2765 ± 14	2850	0.280964	0.23 ± 0.87	Core
87a (Hf-10)	0.280966 ± 16	1.467214 ± 38	0.000309 ± 18	0.0110 ± 05	0.1962 ± 12	2795 ± 10	2850	0.280949	-0.32 ± 0.57	Single phase

Grain/spot# <sup>1</sup>	<sup>176</sup> Hf/ <sup>177</sup> Hf <sup>2</sup>	<sup>178</sup> Hf/ <sup>177</sup> Hf <sup>2</sup>	<sup>176</sup> Lu/ <sup>177</sup> Hf <sup>2</sup>	<sup>176</sup> Yb/ <sup>177</sup> Hf <sup>2</sup>	<sup>207</sup> Pb/ <sup>206</sup> Pb <sup>2</sup>	Age (Ma) <sup>3</sup> (measured)	Age (Ma) <sup>4</sup> (pref./min.)	<sup>176</sup> Hf/ <sup>177</sup> Hf <sub>i</sub> <sup>5</sup>	ε <sub>Hf</sub> (t) <sup>5</sup>	comment <sup>6</sup>
20b (Hf-11)	0.280967 ± 24	1.467248 ± 34	0.000135 ± 06	0.0046 ± 02	0.1738 ± 28	2594 ± 26	2500	0.280960	-8.02 ± 0.86	Core
24	0.280952 ± 14	1.467234 ± 36	0.000282 ± 12	0.0071 ± 03	-	-	3032	0.280936	3.46 ± 0.50	Core
49	0.280952 ± 12	1.467230 ± 50	0.000228 ± 10	0.0060 ± 02	-	-	2898	0.280939	0.47 ± 0.84	Core
61	0.280980 ± 18	1.467260 ± 46	0.000356 ± 04	0.0096 ± 02	-	-	2966	0.280960	2.78 ± 0.63	Core
71a	0.280923 ± 10	1.467273 ± 28	0.000936 ± 26	0.0249 ± 08	-	-	3043	0.280868	1.32 ± 0.34	Core
71a-2	0.280909 ± 20	1.467245 ± 58	0.000725 ± 12	0.0192 ± 04	-	-	3043	0.280867	1.28 ± 0.68	Core (repeat analysis)
72a	0.280950 ± 16	1.467350 ± 52	0.000570 ± 26	0.0140 ± 06	-	-	2992	0.280917	1.89 ± 0.55	Core
84b	0.280968 ± 20	1.467253 ± 40	0.000199 ± 06	0.0048 ± 02	-	-	2929	0.280956	1.81 ± 0.69	Core

Notes

<sup>1</sup> Grain number and spot designation refers to SIMS U-Pb analyses documented in Table S1 (with the exception of Lew99-Ky analysis Hf-1 for which no complementary SIMS analysis was performed).

Where accompanied by text in parentheses, the latter indicates grain numbers assigned during concurrent Pb and Hf-Lu-Yb isotope measurements.

<sup>2</sup> All ratios are quoted at 2σ precision.

<sup>3</sup> Age calculated from <sup>207</sup>Pb/<sup>206</sup>Pb ratios determined concurrently with Hf-Lu-Yb isotope measurements.

<sup>4</sup> Age calculated using either preferred/minimum assigned age for grains based on evaluation of SIMS and, where undertaken, LA-ICPMS analyses (see text for criteria).

<sup>5</sup> Initial <sup>176</sup>Hf/<sup>177</sup>Hf and ε<sub>Hf</sub> values were calculated using the preferred/minimum crystallisation ages (see text), the <sup>176</sup>Lu decay constant of Scherer et al. (2001) and the chondrite values of Blichert-Toft and Albarède (1997). Errors in ε<sub>Hf</sub> were derived from the 2σ uncertainty for initial <sup>176</sup>Hf/<sup>177</sup>Hf, which itself incorporates uncertainty in the crystallisation age, the <sup>176</sup>Lu decay constant and in the measured <sup>176</sup>Hf/<sup>177</sup>Hf and <sup>176</sup>Lu/<sup>177</sup>Hf.

<sup>6</sup> Simplified description of analysed volume differs slightly from Table S1 due to larger sampling volume of LA-ICPMS analyses.