

Table 6. EPMA Th-U-Pb (wt.%) and LA-ICP-MS $^{207}\text{Pb}/^{206}\text{Pb}$ ages of monazites from the garnet-bearing biotite gneiss.

Label	PbO	Err (Pb)	UO ₂	Err (U)	ThO ₂	Err (Th)	Y ₂ O ₃	Err (Y)	ThO ₂ *	T(Ma)	Err (T, Ma)	LA-ICP-MS Age (Ma)
1.1	0.393	0.0055	0.240	0.0034	3.923	0.0100	0.328	0.0038	4.8239	1857	25	
1.2	0.422	0.0056	0.267	0.0035	4.192	0.0100	0.338	0.0039	5.1904	1851	23	
1.3	0.412	0.0055	0.281	0.0035	4.135	0.0099	0.401	0.0040	5.1830	1815	23	
1.4	0.402	0.0055	0.282	0.0035	3.987	0.0099	0.385	0.0041	5.0393	1819	24	
1.5	0.375	0.0056	0.200	0.0034	3.967	0.0099	0.450	0.0035	4.7131	1813	26	1833±28
1.6	0.398	0.0054	0.246	0.0034	3.976	0.0096	0.358	0.0038	4.8973	1852	25	
1.7	0.417	0.0056	0.270	0.0033	4.153	0.0098	0.314	0.0034	5.1625	1840	23	
1.8	0.406	0.0056	0.267	0.0033	3.998	0.0097	0.295	0.0032	4.9973	1849	24	
2.1	0.570	0.0057	0.256	0.0035	6.201	0.0100	0.485	0.0040	7.1571	1816	25	
2.2	0.640	0.0056	0.270	0.0035	7.210	0.0100	0.513	0.0037	8.2120	1778	15	
2.3	0.699	0.0057	0.218	0.0035	8.182	0.0102	0.411	0.0040	8.9925	1773	15	
2.4	0.665	0.0057	0.276	0.0035	7.209	0.0101	0.404	0.0039	8.2402	1839	15	
2.5	0.603	0.0057	0.184	0.0035	7.041	0.0101	0.354	0.0039	7.7240	1781	16	1805±20
2.6	0.656	0.0058	0.283	0.0035	7.244	0.0103	0.425	0.0038	8.3001	1803	15	
2.7	0.663	0.0055	0.284	0.0034	7.294	0.0099	0.418	0.0038	8.3530	1806	15	
2.8	0.655	0.0052	0.137	0.0034	7.955	0.0096	0.379	0.0039	8.4634	1767	15	
3.1	0.738	0.0060	0.246	0.0035	8.260	0.0100	0.472	0.0037	9.1784	1830	14	
3.2	0.711	0.0057	0.438	0.0035	7.447	0.0100	0.515	0.0040	8.0763	1827	15	
3.3	0.898	0.0058	0.492	0.0035	9.324	0.0100	0.500	0.0039	8.6617	1829	11	
3.4	0.762	0.0057	0.421	0.0035	7.750	0.0100	0.486	0.0040	9.2000	1860	13	1807±31
3.5	0.657	0.0057	0.348	0.0035	7.109	0.0100	0.456	0.0038	8.4038	1804	15	
3.6	0.6493	0.0056	0.2845	0.0033	7.311	0.0098	0.332	0.0038	8.3072	1783	15	
3.7	0.6582	0.0056	0.2781	0.0033	7.285	0.0098	0.332	0.0039	8.214	1803	16	
3.8	0.5843	0.0056	0.2560	0.0034	6.549	0.0096	0.416	0.0037	7.003	1777	17	
4.1	0.724	0.0056	0.295	0.0035	7.885	0.0100	0.394	0.0038	8.9885	1834	14	
4.2	0.611	0.0057	0.271	0.0035	6.530	0.0100	0.391	0.0038	7.5449	1844	16	
4.3	0.718	0.0055	0.301	0.0035	7.700	0.0102	0.399	0.0035	8.9991	1819	13	
4.4	0.804	0.0057	0.260	0.0035	9.046	0.0100	0.398	0.0038	10.0192	1828	12	1854±34
4.5	0.815	0.0057	0.264	0.0035	8.84	0.0100	0.360	0.0038	9.8368	1885	13	
4.6	0.6115	0.0055	0.2805	0.0034	7.418	0.0097	0.425	0.0038	7.3732	1887	16	
4.7	0.5432	0.0055	0.3088	0.0034	5.300	0.0097	0.437	0.0035	6.6742	1854	18	
4.8	0.5932	0.0056	0.355	0.0034	5.807	0.0098	0.458	0.0040	7.1461	1889	17	
5.1	0.653	0.0056	0.333	0.0035	5.23	0.0103	0.407	0.0041	8.3753	1779	15	
5.2	0.525	0.0058	0.343	0.0035	5.28	0.0100	0.401	0.0040	6.7997	1763	18	
5.3	0.490	0.006	0.342	0.0035	5.014	0.0100	0.495	0.0041	6.2854	1779	21	
5.4	0.502	0.0057	0.366	0.0035	5.057	0.100	0.505	0.0039	6.4175	1786	19	1802±30
5.5	0.506	0.0057	0.312	0.0035	5.069	0.100	0.482	0.0040	6.2365	1849	20	
5.6	0.547	0.0055	0.292	0.0034	7.205	0.0097	0.387	0.0038	8.2163	1795	16	
5.7	0.547	0.0055	0.294	0.0034	5.704	0.0097	0.508	0.0039	7.0635	1833	18	