

TABLE A1. SHRIMP U-Th-Pb ANALYTICAL DATA FOR MONAZITE CORRECTED USING THE ^{204}Pb -METHOD.

*Spot	[†] Texture	$\$f(206)^{204}$ (%)	$^{208}\text{Pb}/^{206}\text{Pb}^{\#}$	$^{206}\text{Pb}/^{238}\text{U}$	$^{207}\text{Pb}/^{235}\text{U}$	Corr. coeff.	$^{207}\text{Pb}/^{206}\text{Pb}$	Age (Ma)**									
								$^{207}\text{Pb}/^{235}\text{U}^{\dagger\dagger}$	$^{208}\text{Pb}/^{232}\text{Th}$	$^{206}\text{Pb}/^{238}\text{U}$							
<i>Sample 32</i>																	
<i>10604</i>																	
M20.1	□ to S _T	2.20	3.25	0.02527 ± 0.00029	0.1619 ± 0.0087	0.212	0.0465 ± 0.0024	152.3 ± 8.8	164.8 ± 2.1	160.9 ± 1.8							
M20.2	□ to S _T	2.29	2.76	0.02402 ± 0.00028	0.1623 ± 0.0128	0.147	0.0490 ± 0.0038	152.7 ± 12.9	152.1 ± 1.7	153.0 ± 1.7							
M21.1	□ to S _T	0.85	0.76	0.02385 ± 0.00026	0.1566 ± 0.0027	0.649	0.0476 ± 0.0006	147.7 ± 2.7	151.0 ± 1.6	152.0 ± 1.7							
M21.2	□ to S _T	4.65	2.39	0.02370 ± 0.00035	0.1326 ± 0.0258	0.076	0.0406 ± 0.0079	126.4 ± 25.9	153.2 ± 2.1	151.0 ± 2.2							
<i>Sample 33</i>																	
<i>10605</i>																	
M23.3	□ to S _T	4.86	2.75	0.02420 ± 0.00042	0.1651 ± 0.0350	0.083	0.0495 ± 0.0105	155.1 ± 34.9	154.7 ± 2.5	154.1 ± 2.7							
M23.4	□ to S _T	3.40	4.79	0.02485 ± 0.00031	0.1725 ± 0.0157	0.138	0.0503 ± 0.0045	161.6 ± 15.8	160.4 ± 1.8	158.2 ± 2.0							
M24.3	□ to S _T	8.60	4.82	0.02500 ± 0.00050	0.1044 ± 0.0394	0.053	0.0303 ± 0.0114	100.8 ± 39.3	158.6 ± 1.9	159.2 ± 3.1							
M24.4	□ to S _T	12.20	1.92	0.02184 ± 0.00069	0.0998 ± 0.0856	0.037	0.0331 ± 0.0284	96.6 ± 83.4	152.6 ± 6.2	139.3 ± 4.3							
M25.1	□ to S _T	7.77	4.81	0.02297 ± 0.00037	0.0995 ± 0.0246	0.065	0.0314 ± 0.0077	96.3 ± 24.7	148.1 ± 1.7	146.4 ± 2.3							
M25.2	□ to S _T	5.27	4.59	0.02431 ± 0.00039	0.1776 ± 0.0165	0.171	0.0530 ± 0.0048	166.0 ± 16.6	152.7 ± 2.8	154.8 ± 2.4							
M27.3	□ to S _T	14.20	2.56	0.02246 ± 0.00035	0.1016 ± 0.0565	0.028	0.0328 ± 0.0182	98.3 ± 55.8	143.8 ± 4.0	143.2 ± 2.2							
<i>Sample 43</i>																	
<i>10606</i>																	
M30.3	□ to S _T	0.54	2.55	0.02586 ± 0.00027	0.1864 ± 0.0067	0.293	0.0523 ± 0.0018	173.6 ± 6.8	170.4 ± 1.9	164.6 ± 1.7							
M31.3	Grt	0.97	2.45	0.02580 ± 0.00035	0.1771 ± 0.0074	0.324	0.0498 ± 0.0020	165.6 ± 7.5	168.7 ± 1.9	164.2 ± 2.2							
M31.4	Grt	2.26	4.15	0.02655 ± 0.00035	0.1716 ± 0.0126	0.179	0.0469 ± 0.0034	160.8 ± 12.7	169.8 ± 2.3	168.9 ± 2.2							
M35.3	□ to S _T	1.89	3.67	0.02549 ± 0.00026	0.1572 ± 0.0071	0.228	0.0447 ± 0.0020	148.3 ± 7.2	161.8 ± 1.9	162.2 ± 1.6							
M36.3	□ to S _T	5.92	2.62	0.02421 ± 0.00038	0.1635 ± 0.0192	0.133	0.0490 ± 0.0057	153.8 ± 19.3	157.2 ± 1.9	154.2 ± 2.4							
M36.4	□ to S _T	14.72	4.62	0.02360 ± 0.00082	0.0958 ± 0.0969	0.034	0.0295 ± 0.0298	92.9 ± 93.9	154.7 ± 2.5	150.3 ± 5.1							
<i>Sample 90</i>																	
<i>10607</i>																	
M38.3	□ to S _T	1.44	3.08	0.02425 ± 0.00025	0.1562 ± 0.0066	0.249	0.0467 ± 0.0019	147.3 ± 6.7	155.1 ± 1.7	154.4 ± 1.6							
M38.4	□ to S _T	1.54	2.52	0.02492 ± 0.00042	0.1605 ± 0.0078	0.345	0.0467 ± 0.0021	151.1 ± 7.8	158.0 ± 2.0	158.8 ± 2.6							
M41.2	□ to S _T	2.23	3.11	0.02417 ± 0.00027	0.1506 ± 0.0075	0.222	0.0452 ± 0.0022	142.4 ± 7.6	154.9 ± 1.8	153.9 ± 1.7							

Note: Uncertainties reported at 1σ (absolute) and are calculated by numerical propagation of all known sources of error (Stern & Berman, 2000).

*Spot: M20.2 = 2nd spot on monazite grain #20.

[†]Texture: location of monazite as inclusion in St, Ky, Crd, or as a matrix grain (|| = elongate monazite grain parallel to foliation).

$\$f(206)^{207}$ refers to the fraction of total ^{206}Pb that is common Pb, calculated using the ^{204}Pb -method.

[#]*Pb = Radiogenic Pb (corrected for common Pb using the ^{204}Pb -method).

^{**}Ages have been corrected for common Pb using the ^{204}Pb -method.

^{††} $^{207}\text{Pb}/^{235}\text{U}$ age is poorly constrained due to the low abundance of ^{207}Pb in young monazite.