

Table DR2: Bedrock zircon U-Th/He dating.

Sample	4-He [mol]	238-U [mol]	235-U [mol]	232-Th [mol]	F _t -factor	Uncor. Age [Ma]	Corr. Age [Ma]	Mean ± stdev.
North of Chitina River								
6EUT 1	1.623E-13	1.455E-11	1.076E-13	4.082E-12	0.800	8.11	10.14	12.4±3
6EUT 1	3.869E-13	2.233E-11	1.652E-13	7.322E-12	0.852	12.46	14.63	
6EUT 2	1.781E-12	1.510E-11	1.117E-13	4.535E-12	0.770	84.82	110.2	120±17
6EUT 2	1.308E-12	9.003E-12	6.659E-14	2.393E-12	0.752	105.08	139.7	
6EUT 2	1.147E-12	1.033E-11	7.641E-14	3.159E-12	0.719	79.80	111.0	
6EUT 3	3.634E-12	3.978E-11	2.942E-13	7.991E-12	0.810	67.21	83.0	115±36
6EUT 3	9.941E-13	9.502E-12	7.028E-14	3.093E-12	0.693	74.89	108.1	
6EUT 3	9.458E-13	5.896E-12	4.361E-14	2.157E-12	0.735	113.47	154.4	
6EUT 4	2.364E-12	1.781E-11	1.318E-13	5.242E-12	0.756	95.43	126.2	125±26
6EUT 4	1.303E-12	1.267E-11	9.373E-14	3.700E-12	0.756	74.15	98.1	
6EUT 4	1.388E-12	8.462E-12	6.259E-14	2.978E-12	0.774	116.30	150.3	
6EUT 8	3.148E-15	2.849E-14	2.107E-16	6.723E-14	0.727	55.46	76.3	119±45
6EUT 8	6.723E-13	4.206E-12	3.111E-14	1.456E-12	0.687	113.53	165.3	
6EUT 8	1.456E-13	1.388E-12	1.027E-14	5.617E-13	0.637	73.88	116.0	
6EUT10	1.923E-12	1.750E-11	1.295E-13	6.162E-12	0.786	78.18	99.5	100±12
6EUT10	1.633E-15	1.485E-14	1.099E-16	2.791E-14	0.679	59.39	87.5	
6EUT10	3.785E-13	3.293E-12	2.435E-14	1.296E-12	0.723	81.08	112.1	
South side								
06STP4	8.938E-14	2.143E-11	1.585E-13	2.659E-12	0.796	3.14	3.94	3.5±0.7
06STP4	5.788E-14	1.784E-11	1.319E-13	6.011E-12	0.774	2.33	3.01	
07JBC05	9.309E-13	1.518E-11	1.123E-13	1.503E-12	0.787	46.23	58.74	55.3±5
07JBC05	2.829E-13	4.380E-12	3.239E-14	2.603E-12	0.763	43.88	57.50	
07JBC05	3.270E-13	6.187E-12	4.576E-14	1.778E-12	0.771	38.27	49.64	
06STP21	1.645E-13	4.471E-12	3.307E-14	9.069E-13	0.715	27.15	37.97	28.2±14
06STP21	3.191E-14	1.757E-12	1.300E-14	4.599E-13	0.717	13.25	18.48	
05STP33	1.580E-13	1.718E-11	1.271E-13	4.626E-12	0.784	6.70	8.55	8.8±0.3
05STP33	2.263E-13	2.423E-11	1.792E-13	4.767E-12	0.769	6.92	8.99	
98ASn106	1.171E-13	1.04E-11	7.66E-14	4.08E-12	0.725	8.02	11.06	9.6±2
98ASn106	2.240E-13	2.86E-11	2.12E-13	7.01E-12	0.699	5.73	8.19	

Note: Apatite degassed in furnace at 1100°C for 15 minutes. Ft- alpha correction factor after Farley (1996).