

Table DR2. Zircon chemical abrasion IDTIMS U-Pb isotopic data

Sample (a)	Compositional Parameters					Radiogenic Isotope Ratios								Isotopic Ages						
	Th	²⁰⁶ Pb*	mol %	Pb*	Pb _c	²⁰⁶ Pb	²⁰⁸ Pb	²⁰⁷ Pb		²⁰⁷ Pb	²⁰⁶ Pb		corr.	²⁰⁷ Pb	²⁰⁷ Pb	²⁰⁶ Pb				
	U	x10 ⁻¹³ mol	²⁰⁶ Pb*	Pb _c	(pg)	²⁰⁴ Pb	²⁰⁶ Pb	²⁰⁶ Pb	% err	²³⁵ U	% err	²³⁸ U	% err	coef.	²⁰⁶ Pb	±	²³⁵ U	±	²³⁸ U	
(b)	(c)	(c)	(c)	(c)	(c)	(d)	(e)	(e)	(f)	(e)	(f)	(e)	(f)		(g)	(f)	(g)	(f)	(g)	(f)
MS99033 <i>Anorthosite xenolith in Beaver Bay Diabase</i> (Beaver Bay Complex)																				
z4	0.944	0.8673	0.9977	144	0.17	7696	0.286	0.0759659	0.066	1.93250	0.118	0.184584	0.077	0.856	1093.27	1.31	1092.41	0.79	1091.97	0.77
z8	1.010	6.9857	0.9997	1133	0.18	59449	0.306	0.0759607	0.040	1.93235	0.083	0.184583	0.046	0.974	1093.13	0.81	1092.35	0.56	1091.96	0.46
z1	2.435	6.7175	0.9985	309	0.81	12367	0.738	0.0759449	0.047	1.93191	0.087	0.184579	0.046	0.948	1092.72	0.93	1092.20	0.59	1091.94	0.46
z7	1.008	1.4490	0.9986	239	0.17	12587	0.305	0.0759289	0.056	1.93127	0.098	0.184557	0.055	0.886	1092.30	1.11	1091.98	0.66	1091.82	0.55
z3	1.863	3.3407	0.9992	519	0.22	22932	0.565	0.0759415	0.044	1.93139	0.086	0.184538	0.046	0.950	1092.63	0.89	1092.02	0.58	1091.72	0.47
z6	0.978	0.8594	0.9978	154	0.16	8164	0.296	0.0759062	0.059	1.93015	0.101	0.184504	0.055	0.878	1091.70	1.19	1091.59	0.68	1091.54	0.55
z5	0.971	1.3031	0.9983	196	0.19	10381	0.294	0.0759732	0.056	1.93131	0.095	0.184453	0.050	0.891	1093.46	1.12	1091.99	0.64	1091.26	0.50
z2	0.909	1.7688	0.9985	229	0.22	12318	0.276	0.0759373	0.053	1.93029	0.093	0.184443	0.049	0.910	1092.52	1.06	1091.64	0.62	1091.20	0.49
weighted mean 206Pb/238U age = 1091.83 ± 0.21 (0.37) [1.15] Ma (2s); MSWD = 0.41 (n=6)																				

(a) z1, z2 etc. are labels for single zircon fragments annealed and chemically abraded after Mattinson (2005); bold indicates analyses used in weighted mean calculations.

(b) Model Th/U ratio iteratively calculated from the radiogenic 208Pb/206Pb ratio and 206Pb/238U age.

(c) Pb* and Pb_c represent radiogenic and common Pb, respectively; mol % ²⁰⁶Pb* with respect to radiogenic, blank and initial common Pb.

(d) Measured ratio corrected for spike and fractionation only. Fractionation estimated at 0.18 (Daly) or 0.10 (Faraday) ± 0.02 ‰/a.m.u. based on analysis of NBS-981 & 982.

(e) Corrected for fractionation, spike, and common Pb; all common Pb was assumed to be procedural blank: 206Pb/204Pb = 18.60 ± 0.72‰; 207Pb/204Pb = 15.69 ± 0.62‰; 208Pb/204Pb = 38.51 ± 0.74‰ (all uncertainties 1-sigma). Isotope dilution measurements made with the ET535 spike (Condon et al., 2015).

(f) Errors are 2-sigma, propagated using the algorithms of Schmitz and Schoene (2007).

(g) Calculations are based on the decay constants of Jaffey et al. (1971). All ratios and ages corrected for initial 230Th/238U disequilibrium with Th/U [magma] = 3.