

Appendix 6: Allanite SHRIMP U-Th-Pb data.

Label	Th/U	% ²⁰⁸ Pb _c	²³⁸ U/ ²⁰⁶ Pb	±1σ	²⁰⁷ Pb/ ²⁰⁶ Pb	±1σ	²⁰⁸ Pb*/ ²³² Th	±1σ	Pb/Th Age	±1σ
LAN-1.1	39	85	4.190	0.19	0.833	0.006	0.00219	0.00041	44.2	8.2
LAN-2.1	24	85	7.524	0.33	0.824	0.007	0.00220	0.00033	44.5	6.6
LAN-3.1	43	62	6.190	0.29	0.824	0.009	0.00241	0.00035	48.7	7.1
LAN-4.1	44	74	6.766	0.41	0.815	0.007	0.00241	0.00028	48.8	5.6
LAN-5.1	42	76	7.703	0.36	0.809	0.008	0.00234	0.00028	47.2	5.7
LAN-6.1†	33	88	4.382	0.23	0.842	0.006	0.00220	0.00055	44.4	11.2
LAN-7.1	19	87	6.773	0.30	0.812	0.009	0.00251	0.00039	50.7	7.9
LAN-8.1	31	85	5.822	0.32	0.825	0.006	0.00233	0.00032	47.0	6.6
LAN-9.1	28	86	6.027	0.26	0.822	0.005	0.00221	0.00024	44.6	4.8
LAN-10.1	30	83	7.069	0.30	0.825	0.006	0.00227	0.00033	45.8	6.6
LAN-11.1	34	83	5.885	0.32	0.831	0.006	0.00226	0.00036	45.6	7.2
LAN-12.1	40	79	5.957	0.30	0.827	0.006	0.00237	0.00030	47.9	6.1
LAN-12.2	39	82	5.588	0.31	0.826	0.005	0.00227	0.00023	45.9	4.7
LAN-13.1	25	79	8.970	0.44	0.803	0.007	0.00241	0.00022	48.6	4.5
LAN-14.1	32	80	7.552	0.37	0.824	0.009	0.00229	0.00044	46.3	8.8
LAN-15.1	34	80	6.853	0.37	0.798	0.007	0.00218	0.00021	44.0	4.2

* denotes radiogenic ²⁰⁸Pb determined by assuming ²⁰⁷Pb/²³⁵U-²⁰⁶Pb/²³⁸U age concordancy.

† data excluded from the avarega age calculation due to excessive analytical error.