

SKB427469

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 3/12/95 UWA Mount No. 95-34 Whose sample? A. Ross Operator(s) Mc N + AR

Indicate any change to the following:		196	204	bkg	206	207	208	238	248	254
Precambrian	Count time (secs):	2	10	10	10	30	10	5	5	2
	Delay time (secs):	7	3	1	2	1	1	3	2	2
Phanerozoic	Count time (secs):	2	10	10	10	10	10	5	5	2
	Delay time (secs):	7	3	1	2	1	1	3	2	2

expected 196-204 = 8.170 amu expected 204-bkg = 0.040 amu Dead-time = 32 nanosecs
 actual 196-204 = 8.169 actual 204-bkg = 0.051 expected resolution = >4200
 Primary = 2.7 nA PESABM = 40 pA actual resolution = 4500
 expected Primary : PESABM ≈ 50:1 actual Primary : PESABM = 67

7 SCANS

Comments: * UO/U too low??

uou should be 6+7.
 Note: Std. low!

AR = all restored } DRAWN
 NL = non linearity }

Rejection over-ride	Sample/Std ID	Time - printout	UO/U	196 cps (K)	206 cps	U ppm	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238	207/206	Corr.
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196, 206 replace, 1-NL	sl. 3-1	10:30	5.43	13.3	1022	220	0.3	.02	572 ± 1	492 ± 25	204
all restored	sl. 3-2	10:52	5.00	13.7	887	220	1.9	.16	571 ± 1	549 ± 34	204
all Restored	U. 1-1	11:15	5.37	13.8	3.6K	126	5.2	.12	2584 ± 6	2663 ± 6	204
If bad std. result may want to re-do this one. → fack out 204, rest restored	sl. 3-3	11:37	4.92	13.7	845	237	1.9	.04	549 ± 1	580 ± 25	208
	U. 2-1	11:59	3.39*	8.2	806	-ve	-ve	.18	2944 ± 19	2656 ± 15	204
AR	U. 3-1	12:22	5.23	14.8	2.5K	88	6.7	.21	2636 ± 8	2661 ± 8	204
AR, NL	U. 4-1	12:44	5.32	15.0	1.5K	114	91.6	5.14	1185 ± 4	2695 ± 25	204
AR, NL	sl. 3-4	13:06	5.23	12.6	893	207	-0.2	.05	550 ± 1	586 ± 24	208
AR, NL	U. 5-1	13:29	5.56	12.5	2.2K	77	3.0	.12	2488 ± 8	2640 ± 8	204
AR, NL	U. 6-1	13:52	5.54	14.2	3.7K	115	11.7	.30	2503 ± 6	2593 ± 7	204
AR, NL	U. 7-1	14:15	5.22	15.9	1.2K	46	42.8	2.98	2264 ± 10	2653 ± 22	204

Rejection over-ride Sample/Std ID Time - printout UO/U 196 cps (K) 206 cps U ppm 204Pb ppb f206 % Age ±1σ (Ma) 206/238 207/206 Corr.

AR	S/L 3-5	14:37	4.56	12.8	677	291	1.8	.01	547±1	591±27	208
AR,NL	U. 8-1	15:06	5.09	11.4	991	47	62.9	3.39	2704±14	2637±26	204
AR,NL	U. 9-1	15:28	5.23	13.4	2.2K	87	36.5	1.19	2516±8	2633±12	204
AR,NL	U. 10-1	15:51	5.36	12.4	2.2K	85	3.1	.10	2559±8	2633±8	204
AR,NL	S/L 2-1	16:15	5.73	12.3	1007	170	0.4	.04	554±1	570±27	204
AR,NL	U. 11-1	16:38	5.48	12.7	4.0K	146	7.9	0.16	2494±6	2544±6	204
254 removed Scav 1, NL	U. 12-1	17:02	5.36	14.3	584	29.5	0.4	.05	1841±9	2670±18	204
NL, lookout Scav 1, 248 + 254	U. 13-1	17:29	5.58	12.6	4.0K	132	20.0	.43	2547±6	2682±7	204
AR	S/L 2-2	17:51	4.82	14.2	808	231	-0.6	.06	564±1	532±26	208
NL, 238 restored	U. 14-1	18:27	5.12	13.9	179	22.6	11.6	4.36	933±8	2594±75	204
AR	U. 15-1	18:51	5.44	13.0	2.2K	74	1.7	.06	2683±9	2657±8	204
NL, AR	U. 16-1	19:13	5.42	12.4	1.6K	109	1.1	.06	1514±4	1497±13	204
AR	S/L 2-3	19:36	5.07	12.7	835	209	1.6	0.14	574	553	204
AR	U. 17-1	20:05	5.47	13.0	2093	71.3	11.7	.06	2595	2661	204
NL, 254 restored	① U. 18-1	20:47	5.11	12.2	2217	91.0	0.1	0.01	2919	2659	204
NL, AR → yuck graphite	U. 19-1	21:13	5.35	15.4	2813	105	16.2	0.51	2257	2644	204
NL, left Scav 1, mount	S/L 2-4	21:38	4.69	12.7	729	257	1.1	0.08	5805	524	204
NL, AR	U. 20-1	22:02	5.53	13.4	2920	89	11.2	0.33	2676	2709	204
AR, NL	U. 21-1	22:32	4.34	10.1	989	130	4.2	0.07	2552	2665	204
AR, NL	U. 22-1	23:02	5.32	12.9	1307	48	0.1	0.01	2670	2675	204
AR	S/L 2-5	23:28	5.15	12.8	853	202	1.8	0.03	565	589	208
AR, NL	U. 23-1	23:28	5.42	13.6	1720	63.4	2.32	0.10	2392	2662	204
AR	U. 24-1	00:21	5.28	12.3	3086	92.2	10.8	0.38	2576	2643	204
AR, NL	U. 25-1	00:46	5.73	13.0	2410	69	5.6	0.23	2608	2621	204
AR, NL	S/L 2-6	1:18	4.91	13.4	807	223	0.9	0.07	570	566	204

① - Primary dropped during analysis

SIG 33.1-1 → I put as unknown!

Total of value of samples (exc! constant)
only = 131.4 ÷ 24 = 5.475

P.T.O.