

UWA SHRIMP DATA LOG: ZIRCON U-Pb

Date 02/08/95 UWA Mount No. 95-4 Whose sample? Hang Operator(s) IF + JW

Indicate any change to the following:	196	204	bkg	206	207	208	238	248	254
Precambrian Count time (secs):	2 ✓	10 ✓	10 ✓	10 ✓	40 ✓	10 ✓	5 ✓	5 ✓	2 ✓
Delay time (secs):	6 ✓	3 ✓	1 ✓	2 ✓	1 ✓	1 ✓	3 ✓	2 ✓	2 ✓
Phanerozoic Count time (secs):	2	10	10	10	10	10	5	5	2
Delay time (secs):	6	3	1	2	1	1	3	2	2

expected 196-204 = 8.170 amu expected 204-bkg = 0.040 amu Dead-time = $\frac{2}{36}$ nanosecs
 actual 196-204 = 8.170 actual 204-bkg = 0.040 expected resolution = >4200
 Primary = 2.1 nA PESABM = 31 pA actual resolution = 4785
 expected Primary : PESABM ≈ 50:1 actual Primary : PESABM = 68

Comments from Log Book:

Std | Zr/U: 1.81010
U/U: 6.09711
Pb/U: 0.203904 n=12 1 std. dev. 1.52%

Rejection over-ride	Sample/ Std ID	Time - printout	196 cps	206 cps	U ppm	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238	207/206	Corr.
	sl.954.2-7	11:59	12K	1372	cal	2.3	0.2	—	623	208
	sl.954.2-8	12:26	12K	1477	209	4.2	0.3	572	514	208
	sl.954.2-9	12:56	12K	1462	215	3.2	0.2	582	549	208
	u.954.D.7-1	—	high	204	—	abandon				
	u.954.D.7-2	13:30	14.5K	2900	66	10.4	0.4	2648	2761	204
	u.954.D.7-3	13:52	14.6K	3580	95	64.	2.3	2118	2741	204
	sl.954.2-10	14:14	13.5K	1585	213	3.1	0.1	580	540	208
	u.954.D.8-1	14:38	15.2K	1933	40	0.5	0.03	2830	2778	204
	u.954.D.9-1	15:01	15.3K	2150	46	5.5	0.3	2638	2780	204
*	u.954.D.10-1	15:22	15.5K	2670	53	1.2	0.06	2759	2757	204
*	10-2	15:45	15.5K	1580	31	3.9	0.3	2744	2761	204
	sl.954.3-1	16:08	14.8K	1650	215	1.2	0.2	554	601	208

2/8/95 LW

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

	u 954D.11-1	16:33	12.5K	1513	43	62	0.4	2839	2806	204
	.12-1	16:57	11.8K	1514	42	1.7	0.1	2856	2798	204
	.13-1	17:25	10.8K	1591	50	4.6	0.2	2795	2781	204
	sl. 954.3-2	17:54	12.6K	1550	203	2.7	0.2	580	591	208
	u 954B.1-1	18:19	14.3K	1860	36	2.4	0.2	2662	2738	204
	u 954B.2-1	18:41	16K	1530	30	6.2	0.6	2507	2719	204
(fractured cleavage)	u 954B.3-1	19:06	15K	2534	50	18.6	0.9	2690	2722	204
(very clean)	u 954B.4-1	19:28	14.7K	3050	58.5	5.8	0.2	2583	2737	204
	sl. 954.3-3	19:54	14.9K	1685	212.4	1.4	0.1	578	549	204
looks light green now red	u 954B.5-1	20:17	16.6K	1297	60	1.6	0.2	1164	1161	204
	u 954B.6-1	20:47	16.3K	1831	37	-0.7	0.06	2630	2759	208
	u 954B.7-1	21:11	14.9K	1417	27.5	4.3	0.4	2508	2735	204 (core)
	u 954B.7-2	21:33	14.5K	3362	69.9	25.3	1.3	2036	2714	204 (rim)
	sl. 954.3-4	21:54	14.1K	1691	204	3.0	0.2	569	544	204
	u 954B.8-1	22:20	16.3K	1986	41	4.3	0.2	2616	2728	204
	u 954B.9-1	22:42	14.8K	3894	78	23.8	0.9	2368	2762	204
*	u 954B.10-1	23:05	15.1K	1928	49	1.8	0.09	2783	2756	204
	u 954B.11-1	23:28	15.2K	2670	77	26.7	1.2	2127	2638	204
	sl. 954.3-5	23:51	15.2K	1600	232	2.3	0.1	570	531	204
*	u 954B.12-1	00:16	15.0K	1869	41	0.1	0.0009	2748	2769	no common Pb correction
	u 954B.13-1	00:43	15.4K	3038	78	1.5	0.05	2653	2759	204
*	u 954B.14-1	01:06	16.0K	1680	40	0.5	0.03	2747	2771	204
*	u 954B.15-1	01:37	15.6K	1563	42.6	6.1	0.4	2769	2724	204
	sl. 954.3-6	02:08	14.6K	1583	218	0.9	0.07	570	643	204
new population 1° dropped to 1/2 Na	u 954C.1-1	02:46	14.6K	1206	26.6	6.9	0.6	2646	2747	204

Close to steel extraction is reduced.

new population

(fractured cleavage)

(very clean)

looks light green now red

new population
1° dropped to 1/2 Na

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