

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 15/9/97 UWA Mount No.: 97-20 Whose sample?: S.B. Operator(s): S.B.

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*	10	5	5	2
Phanerozoic*	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 = nanosecs
 actual 196-204 = actual 204-bkg = expected resolution = >4200
 actual 206-207 = actual 206-208 = actual resolution =
 Primary = nA PESABM = pA actual Primary : PESABM (= 50:1) =
 Raster time (mins): Raster aperture (microns): No. of scans:

Comments: Population B: Sample E131, Melita rhyolite, Eastern Goldfields
 Carried on from 97-08 (Buik's sample).

stds: 0.64 %
 n = 9

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238	207/206	Corr.
	S1.5-1	17:26	6.21	12.7	1600	233	0.3	-0.3	568 ± 1	524 ± 23	204
	B.1-1	17:43	6.22	12.2	2818	77	0.3	<.01	2666	2681 ± 7	204
	S1.5-2	18:01	6.35	12.7	1631	223	-0.3	—	563 ± 1	583 ± 18	—
	B.2-1	18:20	6.21	12.9	2216	57	16.9	0.79	2653 ± 11	2687 ± 11	204
	B.3-1	18:37	6.28	12.7	2904	74	36	1.3	2611 ± 10	2659 ± 11	204
	B.4-1	19:00	6.73	12.1	3113	71	15.8	.64	2518 ± 9	2584 ± 9	204
	S1.5-3	19:18	6.36	12.3	1580	225	0.9	-0.1	559 ± 1	586 ± 19	208
	B.5-1	19:38	6.34	12.5	1818	46	1.5	-0.9	2638 ± 12	2675 ± 10	204
	B.6-1	19:56	6.27	12.2	2237	60	1.1	.05	2630 ± 11	2663 ± 8	204
	B.7-1	20:19	6.26	12.4	2306	60	0.2	.01	2676 ± 11	2679 ± 8	204
	S1.5-4	20:41	6.35	12.1	1571	224	-ve	.02	568 ± 1	592 ± 20	208

Possibly 2 Populations:
 at 2680 & 2690-2695
 Small Zircons. Large Zircons.

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Rejection over-ride	Sample/Std ID	Time - printout	UO/U	196 χ cps	206 cps	U ppm	204Pb ppb	f206 %	Age $\pm 1\sigma$ (Ma) 206/238 207/206	Corr.
	B.8-1	20:59	6.39	12.2	1862	47	-ve	-	2659 \pm 12 2676 \pm 8	-
	B.9-1	21:17	6.33	12.1 12.1	1983	51	2.9	-	2677 \pm 12 2648 \pm 9	-
	B.10-1	21:35	6.31	12.1	2529	65	0.2	<.01	2706 \pm 11 2677 \pm 7	204
	B.11-1	21:53	6.45	11.9	2522	61	0.3	.01	2707 \pm 11 2687 \pm 9	204
	S.5-5	22:10	6.34	12.1	1576	224	2.4	.2	570\pm1 521\pm19 2555	-
	B.12-1	22:30	6.36	11.9	3334	84	51.3	1.6	2690 \pm 10 2671 \pm 11	204
	B.13-1	22:48	6.31	11.9	2824	74	0.6	.02	2693 \pm 10 2684 \pm 7	204
	B.14-1	23:05	6.40	12.0	2142	55	0.6	.03	2629 \pm 11 2688 \pm 6	204
	B.15-1	23:23	6.34	11.6	2556	71	0.6	.02	2593 \pm 10 2696 \pm 8	204
	S.5-6									
	B.16-1	0:03	6.31	12.2	2345	61	0.6	.03 .03	2648 \pm 10 2677 \pm 8	204
	B.17-1	0:22	6.37	12.3	2532	64	1.0	.04	2637 \pm 10 2691 \pm 8	204
	B.18-1	0:44	6.42	12.0	2838	71	1.1	.04	2653 \pm 10 2696 \pm 7	204
	B.19-1	1:03	6.35	11.8	2076	55	1.3	.06	2653 \pm 11 2694 \pm 8	204
	S.5-7	1:22	6.31	12.2	1535	227	-1.4	.03	555\pm1 525\pm20	208
	B.20-1	1:43	6.34	11.8	2227	59	0.9	-.04	2648 \pm 11 2687 \pm 8	204
	B.21-1	2:00	6.37	11.9	1822	47	0.8	.05	2647 \pm 12 2673 \pm 9	204
	B.22-1	2:19	6.37	11.2	1580	43	-0.8	-	2667 \pm 13 2697 \pm 9	-
	B.23-1	2:37	6.33	11.8	2182	58	0.5	-.02	2662 \pm 11 2692 \pm 8	204
	S.5-8	2:55	6.33	12.4	1556	225	2.0	.17	555\pm1 560\pm18	-
	B.24-1	3:16	6.27	11.6	2689	75	1.8	.07	2656 \pm 10 2678 \pm 8	204
	B.25-1	3:34	6.17	12.1	2173	61	22	.94	2652 \pm 11 2665 \pm 12	204
	B.27-1	3:53	6.32	11.6	2633	72	0.9	-.04	2650 \pm 10 2666 \pm 8	204
	B.28-1	4:13	6.47	11.9	1897	47	0.3	-.02	2651 \pm 12 2693 \pm 10	204
	S.6-1	4:32	6.29	12.2	1543	227	-0.2	.005	560\pm1 582\pm19	208

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