

Follows on from 97-07

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 9/25/97 UWA Mount No.: 97-02 Whose sample?: Stu Operator(s): Stu

Indicate any change to the following: 196 204 bkg 206 207 208 238 248 254

Precambrian Count time (secs): 2 10 10 10 30/18 10 5 5 2
 Phanerozoic Delay time (secs): 78 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 = 8.168 actual 204-bkg = 0.038 expected resolution = >4200
 actual 206-207 = 1.001 actual 206-208 = 1.999 actual resolution = 5090

Primary = 1.8 nA PESABM = pA actual Primary : PESABM (≈ 50:1) =
 Raster time (mins): 2 Raster aperture (microns): 100 No. of scans: 7

Comments: C = KWA - 1

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 cps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma)		Corr.
									206/238	207/206	
	Sl. 3-1	19.21	8.33	8257	1331	220	0.8	.06	572 ± 1	553 ± 20	208
	Sl. 3-2	19.43	8.25	8287	1324	222	0.7	.02	577 ± 1	550 ± 20	208
	U. 33-1	20.29	8.32	8018	615	18.7	1.6	0.17	2709 ± 22	2690 ± 15	204
	U. 12-1	21.00	8.48	8053	729	21.3	1.4	0.4	2676 ± 20	2699 ± 14	204
	Sl. 3-3	21.24	8.11	8483	1266	218	0.5	.05	574 ± 1	540 ± 20	208
	U. 31-1	21.49	8.01	8454	3244	103	0.9	.02	2708 ± 9	2682 ± 6	204
	U. 1-1	22.15	8.08	8213	556	18.0	1.4	.21	2695 ± 22	2685 ± 17	204
? →	U. 2-1	22.40	8.11	8190	1395	43.5	9.3	.55	2733 ± 15	2653 ± 12	204
	U. 5-1	23.03	8.44	7628	1374	45.5	0.6	.04	2550 ± 13	2673 ± 10	204
	Sl. 3-4	23.29	7.89	9709	1369	224	-0.2	.03	568 ± 1	624 ± 19	208
	U. 4-1	23.50	7.96	9393	1456	42.6	3.7	.23	2697 ± 14	2667 ± 10	204

7.96 7.96 9393

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 cps	206 cps	U ppm	²⁰⁴ Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238 207/206		Corr.
	U. 7-1	0.14	8.20	9053	1151	33.4	3.9	0.32	2616 ± 15	2677 ± 12	204
	U. 6-1	0.40	8.31	10.1k	8441	219	65.3	0.85	2547 ± 5	2548 ± 6	204
	U. 6-2	1.03	7.66	12.3k	1667	41.6	13.2	.84	2661 ± 12	2679 ± 12	204
	Sl. 3-5	1.29	7.66	12.3k	1647	227	0.4	.04	577 ± 1	578 ± 18	208
	U. 18-1	1.54	7.71	12.5k	1490	34.0	1.8	0.13	2803 ± 14	2712 ± 9	204
	U. 17-1	2.20	7.96	11.7k	709	17.2	1.8	.29	2615 ± 19	2662 ± 15	204
	U. 16-1	2.44	7.76	11.8k	4212	108	5.2	.13	2635 ± 8	2668 ± 6	204
	U. 11-1	3.16	7.87	11.1k	1993	51.5	4.6	.24	2665 ± 11	2700 ± 9	204
	U. 13-1	3.39	7.76	12.1k	2394	58.0	1.8	-.08	2700 ± 10	2691 ± 7	204
	Sl. 2-1	4.03	7.84	12.1k	1725	227	-0.1	.001	576 ± 1	503 ± 18	208
	U. 15-1	4.28	7.92	13.0k	4357	92.3	2.1	.06	2714 ± 8	2671 ± 5	204
	U. 14-1	4.49	7.55	13.7k	4183	90.2	10.5	2.86	2784 ± 9	2675 ± 12	204
	U. 22-1	5.17	7.68	12.5k	1122	26.6	2.5	.24	2730 ± 16	2664 ± 12	204
	U. 10-1	5.45	7.68	12.9k	1748	40.0	5.7	-.36	2744 ± 13	2685 ± 10	204
	U. 19-1	6.09	7.37	14.9k	788	18.0	10.3	1.51	2653 ± 18	2674 ± 22	204
	Sl. 2-2	6.31	7.76	11.9k	1732	230	0.7	.03	592 ± 1	560 ± 17	208
	U. 20-1	6.32	7.28	13.8k	2702	69.3	20.4	-.79	2650 ± 10	2652 ± 9	204
	U. 25 _a -1	7.19	7.73	12.7k	1495	34.9	1.6	.12	2703 ± 13	2691 ± 10	204
	U. 26-1	7.42	8.03	12.3k	6734	144	12.5	0.22	2740 ± 7	2683 ± 5	204
	U. 29-1								2762 ± 9	2665 ± 7	204

'25' in file. →

The 'real' 25-1 →