

FOLLOWS FROM 96-75

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 2/2/97 UWA Mount No. 96-79 Whose sample? MEB & DIRK Operator(s) AP-McN.

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): 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 = actual 204-bkg = expected resolution = >4200
 actual 206-207 = actual 206-208 = actual resolution = 5090
 Primary = nA PESABM = pA actual Primary : PESABM (≈ 50:1) =
 Raster time (mins): 2 Raster aperture (microns): 100 No. of scans: 6

Comments: Pop B - Not 2r.

1° dropped from 2.1 Amp → 1.9° Amp (SL2-2 onwards).
 also image very jumpy at times making it difficult to focus.

D: Mt Mc Clure Sample - Dirk Ruetzger.

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.
1° at 2.1 amp	SL 1-1	19:43	7.57	9.4	1023	220	-ve	-	572 ± 1 563 ± 23	-
	SL 1-2	20:02	7.10	9.8	949.7	235	0.2	0.04	570 ± 1 551 ± 25	208
may overlap inclusion.	u679B1-1	20:41	7.48	9.7	2219	106	-ve	0.07	2261 ± 8 2258 ± 10	208
	SL 1-3	21:10	7.14	9.4	898	233	1.5	0.13	557 ± 0.9 537 ± 41	204
	SL 1-4	22:08	7.35	9.4	972	226	2.6	0.22	572 ± 1 533 ± 40	204.
	u679A1-1	22:28	7.22	8.9	2460	120	19.4	0.46	2558 ± 9 2596 ± 9	204.
1° at 2amp.	A2-1	22:48	7.79	8.5	3354	151	20.9	0.06	2380 ± 7 2359 ± 9	204
1° at 2.1 amp.	A3-1	23:06	7.93	7.5	4888	306	40.0	0.56	1932 ± 4 1932 ± 10	204
	SL 1-5	23:25	7.51	9.5	1066	224	-ve	0.00	586 ± 08 531 ± 24	208
	A.3-2	23:04	7.77	9.5	3448	209	8-2	0.19	1706 ± 4 2320 ± 8	204
1° at 1.9 Amp bec overlap with 208 →	A.4-1	24:04	5.88	8.0	1777	177	89	1.4	2596 ± 10 2462 ± 16	204

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Rejection override	Sample/ Std ID	Time - printout	UO/U	196 cps	206 cps	U ppm	204Pb ppb	f206 %	Age $\pm 1\sigma$ (Ma)		Corr.
									206/238	207/206	

A

	A5-1	24:23	6.81	8.7	1414	83.5	6.4	0.21	2573 \pm 12	2646 \pm 12	204 \pm over by w/hrs
	A6-1	24:41	7.62	9.3	3433	139	12.4	0.25	2541 \pm 8	2623 \pm 7	204
	SL1-6	1:01	7.53	9.5	996	220	1.0	0.05	562 \pm 08	588 \pm 25	208
	A6-2	1:19	7.62	9.4	3655	147	2.7	0.05	2554 \pm 7	2643 \pm 6	204 ✓
	A6-3	1:37	6.89	9.5	2378	125	7.5	0.17	2558 \pm 9	2657 \pm 8	204
	A7-1	1:55	7.96	8.7	4166	207	13.9	0.26	2054 \pm 5	2372 \pm 7	204

C

	C1-1	2:17	8.91	8.0	16239	907	137	0.83	1552 \pm 2	1997 \pm 6	204 c+r
	C1-2	2:34	8.10	8.7	6436	316	25.8	0.32	1995 \pm 4	2378 \pm 6	204 c
	SL1-7	2:54	7.76	9.2	201 1039	211 211	1.3 1.3	0.02	579 \pm 09	606 \pm 24	208

D

	D1-1	3:17	7.26	9.8	662	28.7	0.4	0.03	2593 \pm 17	2675 \pm 15	204
	D2-1	3:35	7.47	9.4	2266	93.1	2.9	0.09	2618 \pm 10	2671 \pm 8	204
	D3-1	3:53	7.21	9.6	954	42.1	0.2	0.02	2637	2652	204
	D4-1	4:11	8.11	8.6	8103	242	8.5	0.13	2082 \pm 5	2313 \pm 6	204
	D5-1	4:36	7.24	9.5	737	31.6	2.9	0.25	2684 \pm 18	2652 \pm 17	204
	SL2-1	4:55	7.89	9.1	1026	202	1.9	0.10	575 \pm 0.9	565 \pm 24	208
	D6-1	5:13	7.81	9.0	738.6	28.8	1.4	0.14	2563 \pm 18	2655 \pm 15	204
	D7-1	5:32	8.20	3.4	487	46.5	1.7	0.11	2454 \pm 20	2684 \pm 16	204
	SL2-2	5:54	7.63	8.4	842	210	-ve	0.06	542 \pm 0.5	667 \pm 26	208
	D8-1	6:14	7.54	8.4	620.5	27.4	0.9	0.09	2665 \pm 19	2630 \pm 16	204
	D9-1	6:32	7.43	8.1	565.7	26.9	3.3	0.33	2659 \pm 20	2649 \pm 19	204
	D10-1	6:50	6.53	7.8	480.1	33.5	5.3	0.41	2710 \pm 21	2644 \pm 22	204
	D11-1	7:08	7.28	8.0	844.6	45.5	2.7	0.17	2532 \pm 15	2650 \pm 13	204
	D12-1	7:26	7.37	8.3	826.1	40.2	1.0	0.07	2609 \pm 16	2675 \pm 14	204
	SL2-3	7:45	7.63	8.3	889.7	214	0.6	0.08	540 \pm 0.9	492 \pm 28	208
	D13-1	8:05	7.51	8.1	643.9	26.2	-ve	-	2963 \pm 22	2969 \pm 13	204

LED

dropped to 1 Amp Scan

1° @ 1.8 Amp

