

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 3-4/7/99 UWA Mount No.: 99-26 Whose sample?: April's Operator(s): April

Indicate any change to the following: 196 204 bkg 206 207 208 238 248 254 ~~270~~

Precambrian Count time (secs): 2 10 10 10/20* 30/10* 10 5 5 2
Phanerozoic Delay time (secs): 8 3 1 2 1 1 3 2 2

expected 196-204 = 8.170 amu expected 204-bkg = 0.045 amu Dead-time =32..... nanosecs
 actual 196-204 =8.165..... actual 204-bkg =0.045..... expected resolution = >4200
 actual 206-207 =1.000..... actual 206-208 =1.999..... actual resolution =5205.....
 Epoxy = 2.9 2.8
 Primary = nA PESABM =43..... pA actual Primary : PESABM (= 50:1) =
 Raster time (mins):1..... Raster aperture (microns):120..... No. of scans:6.....

Comments: Follow on from 99-30 Target age = 2460 Ma.

A = LU-5 std = 11 % = 0.97 (Slope 2) used. no vjms.
 B = LU-1 (Actual = 2.01, % = 0.97)
 C = LU-3

¹⁰ relatively stable but noisy. Slow drift in ¹⁰ 2.8 -> 2.4 nA.

[A]

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	²⁰⁴ Pb ppb	f ²⁰⁶ %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	SL13-1	19:38	6.83	10.1	1314	220	2.8	.24	571 ± 1	485 ± 35	✓
	SL13-2	19:55	7.03	9.6	1306	214	0.1	-.01	564 ± 1	597 ± 22	✓
	A.1-1	20:18	7.00	9.6	4830	162	0.9	.02	2406 ± 7	2490 ± 6	✓
	A.2-1	20:36	6.31	9.7	3711	172	3.3	-.06	2378 ± 7	2479 ± 7	✓
	A.3-1	20:53	7.16	9.5	4550	165	3.9	.09	2144 ± 6	2378 ± 6	✓
	SL2-1	21:12	6.84	9.8	1236	215	0.7	-.06	563 ± 1	604 ± 30	✓
	A.6-1	21:32	6.86	9.6	3974	141	1.4	-.03	2414 ± 7	2478 ± 6	✓
	A.7-1	21:52	6.94	9.5	4211	152	2.2	-.05	2334 ± 7	2471 ± 6	✓
	A.10-1	22:11	6.63	9.7	857	32	2.3	-.22	2492 ± 16	2465 ± 16	✓
	SL9-1	22:29	6.86	9.8	1230	214	0.3	-.03	560 ± 1	553 ± 36	✓
	A.11-1	22:48	6.89	10.0	485	86	-ve	-ve	533 ± 1	654 ± 32	✓

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Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238 207/206		Offsets OK?
	A.12-1	23:05	6.97	9.9	5265	169	3.1	.06	2449 ± 6	2475 ± 6	✓
	A.14-1	23:23	6.93	9.9	4544	154	2.9	.06	2387 ± 7	2463 ± 6	✓
	A.15-1	23:40	6.97	10.2	4408	144	2.7	.06	2374 ± 7	2453 ± 6	✓
	A.16-1	24:02	6.81	9.9	3542	124	2.3	.06	2420 ± 8	2475 ± 7	✓
	sl.9-2	24:20	6.74	10.3	1273	223	1.2	.10	555 ± 1	554 ± 35	✓
	A.17-1	24:39	6.88	9.8	4267	161	2.4	.05	2246 ± 6	2406 ± 6	✓
	B.5-1	1:01	6.64	9.2	3581	152	4.0	.09	2338 ± 7	2446 ± 7	✓
	B.6-1	1:18	7.01	9.7	3214	111	1.8	.05	2327 ± 8	2455 ± 7	✓
	B.7-1	1:36	6.62	9.0	3274	134	1.7	.04	2469 ± 8	2479 ± 7	✓
	B.8-1	1:54	7.32	9.3	4865	181	4.8	.10	2027 ± 5	2314 ± 7	✓
	sl.2-2	2:12	6.84	9.8	1223	221	2.6	.37	544 ± 1	572 ± 22	✓
	sl.4a-1 B.	2:31	6.67	10.1	1230	221	0.5	.04	572 ± x	556 ± ?	✓
	B.9-1	2:48	7.05 7.05	9.7	3199	108	1.7	.05	2326 ± 8	2451 ± 7	✓
	B.15-1	3:05	7.22	9.8	4498	159	4.9	.11	2113 ± 6	2450 ± 6	✓
	B.16-1	3:25	6.76	10.3	3119	112	4.8	.14	2320 ± 8	2475 ± 8	✓
	B.17-1	3:42	6.80	10.0	2886	103	0.8	.02	2374 ± 8	2459 ± 8	✓
	B.18-1	4:00	6.91	10.1	3130	115	2.9	.09	2206 ± 7	2430 ± 8	✓
	sl.4a-2	4:19	6.52	10.2	1180	226	3.2	.04	570 ± 1	513 ± 23	✓
	B.22-1	4:38	6.73	10.1	2572	94	4.8	.16	2368 ± 9	2436 ± 9	✓
	B.23-1	4:56	6.79	9.6	3688	132	1.6	.04	2454 ± 8	2469 ± 7	✓
	B.28-1	5:15	6.98	9.9	4103	136	2.6	.06	2402 ± 7	2490 ± 6	✓
	B.29-1	5:31	6.98	9.9	3776	134	4.9	.13	2253 ± 7	2380 ± 7	✓
	B.30-1	5:49	6.87	10.0	2563	86	2.7	.10	2426 ± 9	2446 ± 8	✓
	sl.4a-3	6:06	6.83	9.9	1233	213	3.1	.07	566 ± 1	545 ± 22	✓
	B.32-1	6:24	6.92	10.0	3628	124	ve	ve	2353 ± 7	2433 ± 6	✓

35, 37, 39, 41, 46, 48
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 can't read.

