

Processed (corrected 0%) no rejections

nA = 34
 nD = 9 (Same 9 grains as before)
 nB = 4 (Same 4 grains as before)
 nC = 3 (Same 3 grains as before)
 nE = 5

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date	UWA Mount No.	Whose sample?	Operator(s)
9-10/8/97	97-09	JENS/APRIL	IAN APRIL

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 = 32 nanosecs
 actual 196-204 = 8.172 actual 204-bkg = 0.041 expected resolution = >4200
 actual 206-207 = 1.000 actual 206-208 = 2.000 actual resolution = 5100

Primary = 4 nA nA PESABM = 6.6 pA actual Primary : PESABM (= 50:1) =
 Raster time (mins): 1 Raster aperture (microns): 120 No. of scans: 6

Comments: Move ^E Moz Por = 10-15 unknowns (use new zircons)
 D Tuf 2 reshimp zircons giving a 2565 Myr (Leave for me)
 A GA 171-355.4. Analyzed if time remaining.
 Very stable ¹⁸O
 From C9 onwards ¹⁸O relatively unstable fluctuates from 3.8 - 4.2, but stable during indivi analysis.

Processed no rejection

Rejections 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.
	SL 2-1	12:19	5.68	24.5	2537	220	-0.4	0.02	572 ± 1	684 ± 15	208
	SL 2-2	12:36	5.69	24.5	2602	219	0.9	0.07	586 ± 1	514 ± 26	204
	A. 1-1	12:58	5.70	24.5	1142	18.3	-1.4	-	2599 ± 14	2522 ± 11	-
	A. 2-1	13:23	5.61	21.8	5848	72.5	1.8	0.04	3658 ± 11	3572 ± 4	204
	SL 2-3	13:41	5.68	24.1	2572	218	0.6	0.05	592 ± 1	546 ± 20	204
	A. 3-1	13:58	5.74	24.1	4069	66.6	1.3	0.06	2585 ± 7	2515 ± 6	204
	A. 4-1	14:15	5.81	23.9	7411	167	7.7	0.20	1879 ± 3	2262 ± 6	204
	A. 5-1	14:33	5.78	24.6	1226	13.9	-0.5	-	3285 ± 21	3199 ± 9	204
	SL 2-4	14:53	5.60	24.6	2566	224	0.6	0.05	594 ± 1	527 ± 24	204
	A. 6-1	15:10	5.75	24.6	949.5	13.9	0.5	0.09	2711 ± 17	2620 ± 14	204
	A. 7-1	15:28	5.74	26.5 24.9	4139 68	18.9	-0.3	-	2438 ± 7	2438 ± 6	20 -

ugly analysis

47-09

Mount/sample No: ~~5-6-18-197~~

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A

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.
	A.8-1	15:44	5.71	24.7	3855	62.2	-0.5	-	2549 ± 8	2494 ± 6	-
	A.9-1	16:01	5.67	24.2	2594	45.5	0.0	0.003	2477	2434	204 ✓
	sl 2-5	16:19	5.68	24.3	2577	217	-0.6	-	594 ± 1	559 ± 14	-
	A.10-1	16:36	5.60	22.9	3290	53.3	1.9	0.09	2865 ± 10	2785 ± 7	204
	A.11-1	16:53	5.71	24.9	2471	39.8	0.6	0.05	2544 ± 10	2510 ± 8	204
	A.12-1	17:11	5.77	24.0	5563	94.1	0.3	0.01	2446 ± 6	2458 ± 5	204 ✓
	A.13-1	17:28	5.64	24.6	1250	20.8	-1.0	-	2588 ± 14	2518 ± 11	2 -
	sl 2-6	17:45	5.77	24.4	2581	204	-0.5	0.00	596 ± 1	602 ± 15	208
	A.14-1	18:04	5.76	24.7	2688	40.9	-0.3	-	2616 ± 10	2523 ± 7	-
	A.15-1	18:21	5.73	25.9	5706	103.1	1.6	0.06	2202 ± 5	2407 ± 6	204
	A.16-1	18:38	5.78	24.7	3662	56.9	-1.0	-	2544 ± 8	2494 ± 6	-
	A.17-1	18:54	5.69	23.2	3227	59.3	-0.7	0.08	2444 ± 8	2467 ± 8	208 ✓
	sl 1-1	19:13	5.67	25.0	2499	212	0.0	0.003	576 ± 1	626 ± 15	204
	A.18-1	19:30	5.68	24.6	2743	46.2	0.2	0.01	2507 ± 9	2520 ± 8	204
	A.19-1	19:47	5.57	24.4	1960	30.7	0.2	0.01	2833 ± 13	2774 ± 9	204
	A.20-1	20:05	5.70	24.8	2379	38.1	-0.4	-	2584 ± 10	2507 ± 8	-
	A.21-1	20:22	5.73	24.8	5046	84.1	1.7	0.06	2457 ± 6	2419 ± 6	204 ✓
	sl 1-2	20:39	5.73	25.3	2601	207	1.3	0.12	585 ± 1	526 ± 24	204
	A.22-1	20:56	5.77	24.4	3730	58.2	-0.6	-	2578 ± 8	2498 ± 6	-
	A.23-1	21:13	5.65	23.8	6940	91.9	-0.5	-	2184 ± 8	3153 ± 4	-
	A.24-1	21:30	5.74	24.6	3802	59.7	-0.3	-	2589 ± 8	2571 ± 6	-
	A.25-1	21:47	5.71	24.3	7830	117	0.4	0.008	2773 ± 6	2680 ± 4	204
	A.26-1	22:02	5.70	23.8	8231	126	1.0	0.02	2758 ± 6	2686 ± 4	204
	sl 1-3	22:22	5.68	24.5	2489	211	-0.2	-	585 ± 1	646 ± 14	-
	A.27-1	22:40	5.62	24.6	4611	78.0	1.3	0.05	2582 ± 7	2509 ± 6	204

change from 123-1 HHS

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Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 cps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238	207/206	Corr.
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	A.28-1	22:58	5.74	24.4	7992	116	-0.2	-	2778 ± 6	2717 ± 4	-
	A.29-1	23:15	5.69	24.1	1505	24.6	-0.4	-	2609 ± 13	2549 ± 10	-
	A.30-1	23:33	5.78	24.1	7498	118	0.9	0.02	2572 ± 6	2482 ± 5	204
	A.31-1	23:50	5.66	24.8	2917	48.1	0.6	0.04	2567 ± 8	2522 ± 7	204
	SL1-4	24:07	5.59	25.5	2480	214	0.01	0.001	583 ± 1	583 ± 15	208
	A.32-1	24:24	5.64	24.8	2143	35.4	0.8	0.06	2581 ± 10	2498 ± 9	204
	A.33-1	24:41	5.78	24.7	2769	32.4	0.3	0.02	3204 ± 13	3192 ± 6	204
	A.34-1	24:59	6.29	25.1	9040	190	12.2	0.33	1631 ± 3	2025 ± 6	204

D

	D1-2	01:17	6.63	25.1	1107	17.3	-0.4	-	2687 ± 16	2544 ± 11	-
	D3-2	01:34	5.47	25.1	1777	31.7	0.8	0.07	2646 ± 12	2577 ± 11	204
	D3-3	01:50	5.10	26.5	625	17.4	3.4	0.67	2172 ± 15	2551 ± 28	204
	SL1-5	2:08	5.56	25.6	2546	224	-0.7	0.03	582 ± 1	551 ± 15	208
	D4-3	2:25	5.58	25.3	2930	48.4	-0.7	-	2642 ± 9	2571 ± 7	-
	D.4-4	2:40	5.59	25.0	2973	49.6	0.2	0.009	2615 ± 9	2569 ± 7	204
	D.5-2	2:56	5.61	24.9	1811	30.2	-0.6	-	2608 ± 12	2563 ± 9	-
	D.7-2	3:15	5.71	25.2	1604	24.1	0.2	0.03	2668 ± 13	2537 ± 11	204
	D.8-2	3:31	5.72	24.5	4007	61.2	0.4	0.02	2668 ± 8	2556 ± 6	204
	D9-2	3:48	5.83	24.5	2633	38.7	-0.5	-	2614 ± 10	2565 ± 7	-

B & C

	SL3-1	4:06	5.71	25.4	2704	2119	0.4	0.03	598 ± 1	517 ± 22	204
	B1-4	4:23	5.81	24.5	1761	26.3	0.7	0.08	2610 ± 12	2559 ± 12	204
	B1-5	4:41	5.65	25.5	1683	26.7	-0.5	-	2607 ± 12	2554 ± 9	-
	B2-3	4:58	5.74	24.9	954	14.0	0.5	0.10	2696 ± 17	2561 ± 16	204
	B4-3	5:14	6.00	19.8	3241	51.1	-1.0	-	2718 ± 9	2553 ± 7	-
	SL3-2	5:30	5.45	25.9	2506	232	-0.5	-	592 ± 1	552 ± 15	-
	C2-2	5:49	5.76	24.4	4054	62.1	0.7	0.03	2623 ± 8	2561 ± 6	204

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

C

C9-2 6:07 5.72 23.6 2717 43.6 0.2 0.01 2648 ± 10 2561 ± 8 204

C10-2 6:24 5.80 25.4 300 11.6 1.0 0.23 2613 ± 18 2553 ± 20 204

E

E21-1 6:43 5.78 25.4 6604 85.2 0.0 — 2894 ± 7 2848 ± 4 —

E22-1 7:00 5.83 25.9 2936 35.6 -0.9 — 2926 ± 11 2840 ± 6 —

i*dropped →

SL3-3 7:18 5.57 26.8 2659 221 0.6 0.007 589 ± 1 565 ± 15 208

E.23-1 7:35 5.68 25.0 4727 65.2 -0.1 — 2912 ± 9 2835 ± 5 —

E.24-1 7:52 5.73 25.5 3811 48.5 1.6 0.08 2994 ± 10 2822 ± 6 204

E.25-1 8:10 5.69 25.5 4116 55.0 -0.7 — 2928 ± 9 2840 ± 5 —

SL3-4 8:26 5.60 25.5 2633 222 -0.5 0.008 595 ± 1 582 ± 15 208

NEED TO SEM Pop^a D & new E.