UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date	UWA Mount No.	Whose sample?	Operator(s)
27/5/96	96-23	Bailey - BURMA	McN + Apul

Indicate any change to the following:		196	204	bkg	206	207	208	238	248	254
~~Precambrian~~	Count time (secs):	2	10	10	20	~~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 = 8.166 actual 204-bkg = 0.040 expected resolution = >4200

actual 206-207 = 0.997 actual 206-208 = 1.997 actual resolution = 4990

Primary = 2.1 nA PESABM = ... pA actual Primary : PESABM (≈ 50:1) = ...

Raster time (mins): 2 Raster aperture (microns): 100 No. of scans: 6

Comments: Continued from 26/5/96 !!

C = UBO-65B

B = UBO-43D

Rejection over-ride	Sample/ Std ID	Time - printout	U/U	196 k cps	206 cps	U ppm	^{204}Pb ppb	f_{206} %	Age ±1σ (Ma) 206/238	Age ±1σ (Ma) 207/206	Corr.
(27/5)											
del 1st 248 → 207, 206, 254	std. 4-7	13:58	6.09	10.6	878	220	2.1	.18	571±1	364±71	204
196, 206, 254	std. 4-8	14:38	6.02	10.2	837	221	0.2	.02	586±?	573±?	204
196, 248, 254	C. 1-1	14:57	6.51	10.6	481	457	1.9	.28	126±1	—	204
196, 206, 238, 248, 254	std. 4-9	15:15	6.54	9.9	955	204	-0.2	—	575±1	587±38	—
196, 206, 238, 248, 254	C. 2-1	15:34	6.64	10.6	236	201	0.4	.19	132±1	16±?	204
196, 207, 238, 248, 254	C. 3-1	15:51	6.50	11.2	266	226	-1.6	—	134±1	—	—
196, 206, 238, 248, 254	C. 4-1	16:09	6.62	11.1	220	190	0.2	.10	126±1	74±?	204
~~Std~~			1%	drifted	badly	→	AK	fixed.			
(27-28/5)											
(1) 206	std. 1-1	18:18	6.99	12.0	1368	220	-0.3	—	572±1	553±32	—
248	C. 5-1	18:36	7.01	12.1	223	162	1.4	.60	128±1	—	204

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27/28/5 (1)

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	Age ±1σ (Ma) 207/206	Corr.	
196,238,254												
	C.6-1	18:53	7.06	11.5	473	345	-0.4	—	131 ± 1	101 ± 66	—	
del 1st 248 → 206	std. 1-2	19:12	6.97	10.8	1297	221	0.6	.05	599 ± 1	491 ± 47	204	
del 1st 206 → 248	C.7-1	19:30	7.22	10.4	196	151	-ve	0.07	130 ± 1	182 ± 109	208	1.1
-	C.8-1	19:48	7.25	9.9	162	128	-ve	-	130 ± 1	97	—	1.4
206, 238, 248, 254	C.9-1	20:05	7.28	9.9	192	155	0.4	0.32	127 ± 1	0	208	1.6
del 1st 248 → 206	sl 1-3	20:26	7.37	9.4	1216	208	-ve	-	590 ± 1	514 ± 35	—	1.7
del 1st 206 → 196	C.10-1	20:44	7.25	9.2	147	127	-ve	0.12	129 ± 1	353 ± 189	208	1.7
248	C.11-1	21:03	7.23	9.1	128	112	0.6	1.60	128 ± 1	0	208	1.65
196, 206, 248	C.12-1	21:21	7.04	9.2	99.1	95.8	0.9	2.37	123 ± 1	0	208	1.6
206	sl 1-4	21:39	7.56	8.7	1149	199	0.6	0.06	590 ± 1	528 ± 46	204	1.55
238, 248, 254	C.13-1	22:04	7.26	9.2	180	155	-ve	0.08	129 ± 1	111	208	
196, 206, 208, 238, 248, 254	C.14-1	22:22	7.07	9.3	4698	181	0.4	0.01	Rerun 2537 ± 0	2624	204	
196, 206, 238 248, 254	C.15-1	22:40	7.32	9.0	294	266	2.3	2.85	120 ± 1	0	208	
206	sl 1-5	22:58	7.50	8.7	1139	202	0.0	0.00	585 ± 1	576 ± 36	208	
238, 248	C.16-1	23:17	7.21	8.8	128	119	0.1	0.05	128 ± 0	171	204	
254	C.17-1	23:35	7.51	8.4	703	697	0.5	0.06	123 ± 1	136 ± 79	204	
del 1st 206, 238, 248 → 254	C.18-1	23:53	7.28	8.7	72.2	65.0	2.6	0.96	128 ± 1	0	208	
248	C.19-1	24:11	7.30	8.3	200	188	-ve	-	130 ± 1	161	—	
del 1st 248 → 206 (new)	sl 1-6	24:30	7.25	8.2	1003	211	-ve	0.03	573 ± 1	533 ± 39	208	1.5
del 1st 206 → 248	C.20-1	24:51	7.35	8.3	123	114	1.3	2.05	126 ± 1	0	208	1.5
206	C.21-1	1:09	7.27	8.3	122	127	0.9	0.21	119 ± 1	241	208	1.5
248, 254	C.22-1	1:26	7.45	8.1	203	188	-ve	0.30	126 ± 1	133	208	1.5
-	C.23-1	1:44	7.09	8.3	106	111	0.6	0.76	126 ± 1	0	208	
196, 206	sl 1-7	2:03	7.09	8.2	975	219	2.6	0.23	574 ± 1	521 ± 48	204	
-	C.24-1	2:22	7.21	8.3	163	163	-ve	-	126 ± 1	48	—	

27-28/5 (2)

* Count [illegible] up [illegible] further.

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27-28/5 (2).
C:

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	Age ±1σ (Ma) 207/206	Corr.
–	C.25-1	2:40	7.31	8.0	157	158	0.8	1.62	123 ± 1	0	208
196, 206, 238, 254	C.26-1	3:01	7.61	8.0	561	478	-ve	–	132 ± 1	198 ± 58	–
206, 254	SL 1-8	3:20	7.20	8.3	1011	212	0.7	0.06	583 ± 1	459 ± 43	204
del 1st 206 248, 254	C.27-1	3:40	7.07	8.1	111	119	0.4	1.31	125 ± 1	0	208
208	C.28-1	4:00	6.95	7.5	156	181	20.3	8.79	120 ± 1	0	208
206, 248, 254	C.28-2	4:17	7.37	7.8	193	187	1.5	0.41	130 ± 1	484	208
206, 238	C.29-1	4:34	7.28	8.0	205	204	-ve	–	128 ± 1	148 ± 99	–
196, 206	SL 1-9	4:53	7.01	8.1	938	222	-ve	–	566 ± 1 young?	520 ± 40	–
–	C.30-1	5:11	7.39	7.9	480	464	1.6	0.08	128 ± 1	58 ± 67	208
196, 248, 254	C.31-1	5:29	7.55	7.5	312	298	-ve	–	127 ± 1	154 ± 80	–
248	C.32-1	5:47	7.42	7.7	266	263	0.7	2.30	123 ± 1	0	208
254	SL 1-10	6:04	7.34	7.7	976	211	0.8	0.02	572 ± 1	570 ± 39	208
del 5th scan 206 →	C 33-1	6:21	7.52	7.7	84.1	79.6	-ve	–	128 ± 1	178	–
196, 238	C34-1	6:39	7.14	7.8	130	141	-ve	0.27	126 ± 1	0	208
248	C.35-1	6:56	7.32	7.7	102	109	0.6	0.56	121 ± 1	133	208
196, 238, 254	SL 1-11	7:13	7.20	7.8	924	215	-ve	0.02	554 ± 1	593 ± 40	208
B: 196, 206, 248	B.18-1	7:30	7.47	7.7	55.9	192	-ve	2.68	35 ± 1	0	208
–	B.19-1	7:48	7.39	7.5	82.7	268	0.2	3.0	39 ± 1	0	208
248, 254	B.20-1	8:05	7.49	7.6	82.6	262	0.4	2.55	39 ± 1	0	208
206, 207 del 1st 248	SL 1-12	8:23	7.05	8.1	937	219	0.2	0.03	568 ± 1	507 ± 40	208