

Follows from 96-79

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 29/9/97 UWA Mount No. 96-77 Whose sample? April Operator(s) McN & AP

Indicate any change to the following:	196	204	bkg	206	207	208	238	248	254
Precambrian Count time (secs):	2	10	10	10	<del>30/10</del> 10	10	5	13	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 = 8.166 actual 204-bkg = 0.040 expected resolution = >4200  
 actual 206-207 = 1.001 actual 206-208 = 2.000 actual resolution = 4593  
 Primary = 3.3 nA PESABM = 42 pA actual Primary : PESABM (≈ 50:1) = 79  
 Raster time (mins): 1 Raster aperture (microns): 100 No. of scans: 4

Comments: C = R20840 dup P = 260  
 B = R20925  
 A = R19496 (5% uncorrected)

Processed 24/10/97. No rejections. nC=39 nB=39 nA=9

Rejection over-ride	Sample/Std ID	Time - printout	UO/U K cps	196 cps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238 207/206	Corr.
	sl. 4-10	14:40	5.59	15.4	1636	220	2.4	.20	571 ± 1 498 ± 81	204
	sl. 4-11	14:51	5.98	14.3	1828	206	-0.1	-	583 ± 1 554 ± 41	-
	c. 59-1	15:02	5.98	14.9	541	150	1.1	.36	231 ± 1 2 ± 198	204
	c. 60-1	15:12	5.98	12.2	637	219	-1.2	-	229 ± 1 236 ± 79	-
	c. 61-1	15:22	6.42	13.6	912	263	2.7	0.6	195 ± 1 249 ± 112	204
	sl. 4-12	15:33	6.01	14.0	1812	202	0.85	0.05	588 ± 1 557 ± 67	204
	c. 62-1	15:44	6.12	14.7	562	142	-0.5	-	240 ± 1 323 ± 82	-
	c. 63-1	15:54	6.23	14.1	488	120	-1.1	-	243 ± 1 431 ± 85	-
	c. 64-1	16:08	6.15	14.3	501	126	1.5	0.56	241 ± 1 13 ± 0	204
	c. 65-1	16:18	6.11	14.3	542	147	0.6	0.21	231 ± 1 154 ± 152	204
	sl. 4-13	16:33	6.00	14.2	1795	200	-0.6	-	585 ± 1 475 ± 43	-

(from 96-79)

C

C

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.
	c. 66-1	16:44	5.98	14.2	333 17095	98.1 200	1.5 1000 1000	0.77	230 ± 1	122 ± ?	204
	c. 67-1	16:54	5.86	14.7	230	66.7	0.7	0.47	240 ± 2	175 ± ?	204
	c. 68-1	17:07	6.02	14.6	344	93.6	-0.2	0	236 ± 1	105 ± ?	-
	c. 69-1	17:16	6.01	14.9	428	116	2.0	0.86	233 ± 1	107 ± ?	204
	c. 70-1	17:28	6.08	14.5	297	76.6	-1.1	-	243 ± 1	700 ± 170	-
	c. 71-1	17:38	6.14	14.8	438	106	0.3	0.11 0.25	247 ± 1	330 ± 133	204
change 72-1 →	sl 3-1	17:49	6.05	15.0	1885	196	-0.7	-	576 ± 1	509 ± 41	-
	c. 73-1	18:00	6.09	14.9	434	112	0.3	0.21	234 ± ?	340 ± ?	204
	c. 74-1	18:11	6.17	13.9	234	53.9	0.7	0.52	268 ± 2	54 ± ?	204
	c. 75-1	18:21	6.13	14.9	206	49	1.4	0.98	247 ± 2	0	204
	c. 76-1	18:31	6.15	14.9	75.1	17.4	-0.1	-	252 ± 1	234 ± ?	-
	c. 77-1	18:43	6.21	14.5	1289	74.5	0.1	0.01	956 ± 3	984 ± 42	204
	c. 78-1	18:53	6.33	11.9	225	62.4	0.7	0.56	241 ± 1	274 ± 265	204
	sl 3-2	19:04	6.19	14.5	1870	187	0.6	0.05	578 ± 1	702 ± 62	204
	c. 79-1	19:14	6.20	14.7	151	36.7	0.3	0.37	239 ± 1	77 ± ?	204
	c. 80-1	19:24	6.13	14.3	377	96.5	0.3	0.14	241 ± 1	87 ± ?	204
	c. 81-1	19:34	6.17	14.7	1509	145	2.0	0.25	593 ± 1	506 ± 72	204
	c. 82-1	19:44	5.98	15.0	141.5	36.9	-0.3	-	244 ± 1	474 ± 157	-
	c. 83-1	19:54	6.02	14.9	233	60.0	1.5	0.91	242 ± 2	0	204
	c. 84-1	20:05	6.07	14.9	873	219	0.9	0.20	243 ± 1	210 ± 106	204
	sl 3-3	20:15	6.18	14.6	1922	190	0.0	-	580 ± 1	558 ± 40	-
	c. 85-1	20:26	6.15	14.6	215	52.9	2.3	1.55	240 ± 2	0	204
	c. 86-1	20:38	6.01	14.9	702	188	0.9	0.23	237 ± 1	213 ± 152	204
	c. 87-1	20:48	5.89	15.2	1904	227	3.5	0.31	544 ± 1	477 ± 54	204
	c. 88-1	20:57	5.97	14.9	1783	35.2	-0.6	-	2687 ± 15	2738 ± 18	-

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Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 cps	206 cps	U ppm	<sup>204</sup> Pb ppb	f <sub>206</sub> %	Age ±1σ (Ma) 206/238	207/206	Corr.
	C.89-1	21:07	5.69	14.2	539	182	1.5	0.41	238 ± 1	116 ± 0	204
	C.90-1	21:19	6.10	13.9	189	50.2	6.3	0.4	232 ± 3	0	204
	SL 3-4	21:32	6.02	14.4	1814	197	-0.6	-	587 ± 1	610 ± 40	-
	C.91-1	21:43	6.00	14.3	137	36.9	0.0	0.05	247 ± ?	589 ± ?	204
	C.92-1	21:55	5.98	14.4	102	26.8	-1.0	-	252 ± 1	48 ± 0	-
	C.93-1	22:05	6.32	14.0	148	34.9	-1.0	-	242 ± 1	68 ± 162	-
	C.94-1	22:14	6.05	14.1	414	70.7	-1.0	-	379 ± 1	277 ± 98	-
	C.95-1	22:25	6.30	11.3	301	95.5	0.3	0.17	226 ± 1	270 ± 113	204
	C.96-1	22:34	6.01	14.1	218	60.4	0.9	0.54	240 ± 1	0	204
	SL 3-5	22:44	5.88	14.2	1656	203	0.2	0.02	571 ± 1	569 ± 45	204
	B.46-1	22:58	5.91	14.4	8416	167	-0.1	-	2846 ± 7	2945 ± 8	-
	B.47-1	23:08	6.18	14.1	668	79.1	0.1	0.02	507 ± ?	461 ± ?	204
	B.48-1	23:17	5.92	13.5	819	88.4	0.3	-	663 ± 2	652 ± 60	-
	B.49-1	23:27	5.75	13.6	356	82.9	-0.3	-	343 ± 1	483 ± 97	-
	B.50-1	23:46	6.62	14.3	477	75.1	-0.7	-	409 ± 1	388 ± 87	-
	B.51-1	23:58	6.09	14.1	508	77.3	-0.7	-	417 ± 1	450 ± 82	-
	SL 3-6	24:09	5.82	15.1	1700	207	0.0	0.001	558 ± ?	549 ± ?	204
	B.52-1	24:21	5.97	14.2	819	139	-1.5	-	394 ± 1	427 ± 65	-
	B.53-1	24:33	5.89	14.3	230	58.0	1.7	0.91	278 ± 1	0	204
	B.54-1	24:44	5.83	14.3	144	15.7	-1.5	-	651 ± 4	587 ± 148	-
	B.55-1	24:54	6.27	13.1	1463	111	-1.7	-	793 ± 2	855 ± 41	-
	B.56-1	1:03	6.00	14.0	3201	351	-0.4	-	600 ± 1	542 ± 31	-
	B.57-1	1:16	5.96	14.6	367	36.9	2.3	1.04	636 ± 4	295 ± 245	204
	SL 3-7	1:26	5.91	14.9	1741	202	-1.0	-	563 ± 1	581 ± 42	-
	B.58-1	1:36	5.98	14.0	8423	192	6.9	0.11	2506 ± 6	2523 ± 10	204

C

B

B

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 cps (K)	206 cps	U ppm	204Pb ppb	f206 %	Age $\pm 1\sigma$ (Ma)		Corr.
									206/238	207/206	
	B.59-1	1:47	5.90	13.8	71.1	15.9	0.2	0.51	321 $\pm$ 2	439 $\pm$ 2	204
	B.60-1	1:56	6.01	14.6	699	124	-0.9	-	361 $\pm$ 1	553 $\pm$ 69	-
	B.61-1	2:06	5.94	14.8	1693	145	6.2	0.02	745 $\pm$ 2	703 $\pm$ ?	204
	B.62-1	2:15	5.96	13.4	1662	137	1.6	0.14	837 $\pm$ 2	964 $\pm$ 51	204
	B.63-1	2:24	5.96	14.4	373	59.2	-0.3	-	418 $\pm$ 1	472 $\pm$ 96	-
	sl 3-8	2:35	5.76	14.9	1700	214	0.7	0.66	566 $\pm$ 1	568 $\pm$ 74	204
	B.64-1	2:45	6.07	13.6	195	38.9	0.5	0.40	334 $\pm$ 2	430 $\pm$ 252	204
	B.65-1	2:54	6.09	13.7	335	78.9	-0.4	-	278 $\pm$ 1	137 $\pm$ 175	-
	B.66-1	3:04	6.10	13.9	495	86.0	0.9	0.32	366 $\pm$ 1	222 $\pm$ 147	204
	B.67-1	3:13	6.00	14.0	82.0	18.9	0.7	1.08	290 $\pm$ 4	0	204
	B.68-1	3:23	6.10	14.1	1783	105	0.5	0.05	1023 $\pm$ 3	1042 $\pm$ 43	204
	B.69-1	3:32	6.16	13.6	1587	96.4	1.0	0.11	988 $\pm$ 3	910 $\pm$ 42	204
	sl 3-9	3:42	5.74	14.9	1679	216	0.5	0.05	563 $\pm$ 1	559 $\pm$ 66	204
	B.70-1	3:52	6.02	14.1	717	132	0.4	0.099	357 $\pm$ 1	207 $\pm$ 86	204
	B.71-1	4:02	6.15	14.3	484	90.1	-0.5	-	326 $\pm$ 1	350 $\pm$ 88	-
	B.72-1	4:11	5.89	14.7	333	78.1	0.4	0.18	293 $\pm$ 2	240 $\pm$ ?	204
	B.73-1	4:20	6.01	14.0	935	184	0.0	-	341 $\pm$ 1	495 $\pm$ 59	-
	B.74-1	4:30	5.72	13.5	1149	84.8	1.1	0.12	1051 $\pm$ 4	1072 $\pm$ 51	204
	B.75-1	4:39	6.03	14.1	4250	418	1.9	0.08	651 $\pm$ 1	535 $\pm$ 30	204
	sl 3-10	4:50	5.95	14.9	1764	203	-1.2	-	559 $\pm$ 1	540 $\pm$ 42	-
	B.76-1	5:01	5.97	14.7	153	37.0	1.9	1.65	268 $\pm$ 2	0	204
	B.77-1	5:10	6.10	14.5	503	110	0.3	0.10	283 $\pm$ 1	210 $\pm$ 101	204
	B.78-1	5:19	6.09	13.2	1067	145	-0.3	-	496 $\pm$ 1	512 $\pm$ 55	-
	B.79-1	5:28	6.07	14.7	276	16.4	1.1	0.67	984 $\pm$ 7	900 $\pm$ 128	204
	B.80-1	5:38	6.11	14.3	1438	252	-0.9	-	355 $\pm$ 1	401 $\pm$ 49	-

3:15 pm + 8:15 am

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**B**

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.
	B-81-1	5:48	5.96	14.5	3371	311	2.7	0.13	698 ± 1	655 ± 34	204
	sl 3-11	5:57	5.94	14.2	1758	201	-0.3	-	589 ± 1	546 ± 42	-
	B-82-1	6:07	6.08	14.1	2712	307	2.7	0.17	558 ± 1	482 ± 42	204
	B-83-1	6:16	5.99	14.7	1107	121	-0.8	-	577 ± 1	583 ± 52	-
	B-84-1	6:25	6.00	11.6	1267	135	1.5	0.16	739 ± 2	646 ± 55	
chang	A-73										
<b>A</b>	A-72-1	6:37	6.03	14.2	333	79.4	2.9	1.15	273 ± 1	0	204
A72 → A73	A-74-1	6:46	5.84	15.1	629	157	6.2	1.65	270 ± 1	67 ± ?	204
	A-75-1	6:58	6.01	13.8	945	234	-1.5	-	275 ± 1	220 ± 66	-
	511-1 <del>SL 2-11</del>	7:08	5.98	14.8	1815	198	0.6	0.06	581 ± 1	515 ± 46	204
	A-76-1	7:18	5.97	14.5	143	35.1	-0.5	-	270 ± 1	79 ± ?	-
	A-78-1	7:28	6.00	14.4	485	121	0.6	0.20	264 ± 1	241 ± 168	204
	A-78-1	7:37	6.05	13.9	412	98.9	-0.9	-	276 ± 1	205 ± 101	-
	A-79-1	7:46	5.93	14.3	554	143	-1.2	-	267 ± 1	531 ± 79	-
	A-80-1	7:55	5.91	14.6	445	113	0.0	0.02	270 ± ?	342 ± ?	204
	A-81-1	8:05	5.91	14.8	211	51.4	5.9	0.58	267 ± 3	0	204
	sl 1-2	8:14	6.05	14.5	1805	192	1.2	0.12	581 ± 1	482 ± 58	204

A72 = A73