

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 9/4/98 UWA Mount No.: 98-01 Whose sample?: B Operator(s): JRF+AR

Indicate any change to the following:

	196	204	bkg	206	207	208	238	248	254	
Precambrian	Count time (secs):	2	10	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 = 8.169 amu actual 204-bkg = 0.043 amu expected resolution = >4200

actual 206-207 = 1.00 actual 206-208 = 2.00 actual resolution = 5070

Primary = 50 nA PESABM = pA actual Primary : PESABM (= 50:1) =

Raster time (mins): 0.5 Raster aperture (microns): 100 No. of scans: 5

Comments: Following on from 97-07, 9/4/98, above copied from previous sheet

Standards.
n = 16
err = 1.3

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 cps	206 cps	U ppm	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma)	206/238	207/206	Corr.
	<u>sl.6-12</u>	<u>18:29</u>	<u>6.5</u>	<u>153</u>	<u>1510</u>	<u>220</u>	<u>0.4</u>	<u>.03</u>	<u>572</u>	<u>549</u>	<u>208</u>	
	<u>sl.6-13</u>	<u>18:43</u>	<u>6.3</u>	<u>16.1</u>	<u>1470</u>	<u>236</u>	<u>2.0</u>	<u>.17</u>	<u>547</u>	<u>616</u>	<u>208</u>	
	<u>B.1-1</u>	<u>19:00</u>	<u>6.4</u>	<u>15.2</u>	<u>4612</u>	<u>127</u>	<u>0.8</u>	<u>.02</u>	<u>2656</u>	<u>2703</u>	<u>204</u>	
	<u>sl.3-1</u>	<u>19:15</u>	<u>6.2</u>	<u>16.5</u>	<u>1441</u>	<u>236</u>	<u>2.7</u>	<u>.02</u>	<u>558</u>	<u>538</u>	<u>208</u>	
	<u>sl.7 ⁸²⁻¹</u>	<u>19:29</u>	<u>6.3</u>	<u>15.7</u>	<u>3578</u>	<u>100</u>	<u>2.0</u>	<u>.05</u>	<u>2686</u>	<u>2718</u>	<u>204</u>	
	<u>B.3-1</u>	<u>19:47</u>	<u>5.9</u>	<u>14.5</u>	<u>3123</u>	<u>126</u>	<u>7.0</u>	<u>.16</u>	<u>2544</u>	<u>2725</u>	<u>204</u>	
	<u>B.4-1</u>	<u>20:01</u>	<u>6.4</u>	<u>14.6</u>	<u>9087</u>	<u>273</u>	<u>1.8</u>	<u>.02</u>	<u>2582</u>	<u>2719</u>	<u>204</u>	
<u>6-</u>	<u>sl.3-2</u>	<u>20:16</u>	<u>6.1</u>	<u>17.2</u>	<u>1406</u>	<u>240</u>	<u>3.6</u>	<u>.30</u>	<u>543</u>	<u>621</u>	<u>208</u>	
	<u>B.5-1</u>	<u>20:3</u>	<u>6.3</u>	<u>15.7</u>	<u>3617</u>	<u>101</u>	<u>2.3</u>	<u>.06</u>	<u>2666</u>	<u>2720</u>	<u>204</u>	
<u>PPI</u>	<u>B.6-1</u>	<u>20:46</u>	<u>5.8</u>	<u>15.7</u>	<u>3437</u>	<u>136</u>	<u>13.7</u>	<u>.29</u>	<u>2517</u>	<u>2711</u>	<u>204</u>	
	<u>B.7-1</u>	<u>21:03</u>	<u>6.2</u>	<u>16.5</u>	<u>3528</u>	<u>99</u>	<u>3.2</u>	<u>.09</u>	<u>2695</u>	<u>2713</u>	<u>204</u>	

Mount/sample No: 98-01

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

	sl. 3-3	21:17	6.1	17.1	1448	241	1.8	.14	549	620	204
	B. 8-1	21:33	6.3	15.8	9011	254	0	-	2633	2712	-
	B. 9-1	21:46	6.1	15.7	5565	175	2.5	.04	2637	2726	204
	B. 10-1	22:01	6.1	16.5	4737	139	10.4	.20	2632	2721	204
	B. 11-1	22:14	6.2	16.7	4215	118	1.7	.04	2660	2732	204
	sl. 3-4	22:28	6.1	16.8	1417	239	1.4	.04	545	639	204
	B. 12-1	22:42	6.0	17.2	3009	88	5.4	.16	2700	2720	204
P. 02	B. 13-1	22:56	6.4	14.7	8211	303	2.0	.02	2204	2590	204
	B. 14-1	23:16	6.0	15.1	4817	162	-ve	-	2703	2718	-
	B. 15-1	23:30	6.2	12.2	8247	336	6.9	.60	2518	2506	204
	sl. 3-5	23:45	6.1	17.5	1525	242	-ve	.00	558	656	208
	B. 15-2	23:59	6.0	14.8	3674	128	-ve	-	2731	2721	-
	B. 16-1	00:16	6.0	15.2	2734	95	1.9	.05	2683	2709	204
	B. 17-1	00:31	5.9	15.6	5771	199	0.8	.01	2654	2710	204
	B. 18-1	00:45	6.1	16.0	8307	255	3.5	.04	2625	2698	204
	sl. 3-6	1:01	6.0	17.6	1461	243	0.9	.03	548	602	208
	B. 19-1	1:16	6.2	15.6	4778	137	-ve	-	2693	2722	-
P. 03	B. 20-1	1:30	6.1	17.3	3800	109	0.5	.01	2691	2709	204
	B. 21-1	1:47	6.2	17.6	3144	83	4.8	.15	2674	2731	204
	sl. 3-7	2:01	6.1	17.1	1510	242	-ve	.03	560	685	208
	B. 22-1	2:15	6.4	15.9	2733	71	0.1	.00	2706	2731	204
	B. 23-1	2:28	6.0	17.1	4015	122	3.1	.07	2664	2728	204
	B. 24-1	2:42	6.0	17.6	4956	147	2.6	.05	2602	2737	204
	sl. 3-8	3:02	6.1	18.1	1494	225	2.1	.18	557	453 ¹	208
	B. 25-1	3:18	6.0	17.4	4258	162	1.8	.04	2656	2710	204

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

Rejection over-ride	Sample/Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238	207/206	Corr.
	B.26-1	3:32	6.2	16.8	818	228	-ve	—	2688	2723	—
	B.27-1	3:47	6.2	17.1	3960	108	1.8	.04	2675	2720	204
P.04	S.1-2-3	4:03	5.9	17.8	1401	252	2.3	.01	545	573	208
	B.28-1	4:17	6.5	16.3	2514	60	1.8	.08	2704	2723	204
	B.29-1	4:35	6.1	17.4	5286	154	2.4	.04	2645	2711	204
	B.30-1	4:48	6.2	17.2	3431	92	10.7	.31	2635	2680	204
	S.1-2-4	5:02	6.2	18.1	1753	234	1.4	.02	572	571	208
	B.31-1	5:17	6.3	17.0	5878	154	0.3	.01	2679	2720	204
	B.32-1	5:32	6.3	16.7	5179	135	0.4	.01	2714	2722	204
	B.33-1	5:46	6.1	18.1	417	12	3.0	.69	2618	2663	204
	S.1-2-5	5:59	6.1	17.6	1499	234	1.8	.02	570	521	208
	B.34-1	6:13	6.2	16.4	3933	108	0.9	.02	2719	2714	204
P.05	B.35-1	6:27	6.2	16.7	7108	206	0.3	.00	2627	2734	204
	B.36-1	6:44	6.0	17.1	1606	48	1.7	.10	2710	2700	204
	S.1-2-6	6:58	6.3	16.8	1491	552	2.4	.02	552	607	208
	B.37-1	7:13	5.9	15.0	4364	155	1.8	.03	2674	2697	204
	B.38-1	7:27	5.0	15.2	3111	102	-ve	—	2781	2722	—
	B.39-1	7:41	5.0	14.3	2586	125	-ve	—	2768	2704	—
	S.1-2-7	7:55	6.2	17.1	1522	225	-ve	—	568	524	—
	B.40-1	8:10	6.2	14.5	9107	301	2.3	.02	2624	2699	204
	B.41-1	8:25	6.1	17.3	4698	132	0.7	.01	2682	2718	204
	S.1-2-8	8:38	6.0	18.0	1491	239	-ve	.07	562	559	208
P.06											

contaminant? Looks different to others! ←