

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 9-5-97 UWA Mount No.: 97-07 Whose sample?: AGM Operator(s): McN

Indicate any change to the following:

	196	204	bkg	206	207	208	238	248	254	
Precambrian	Count time (secs):	2	10	10	10	30 ²⁰	10	5	5	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 = 8.168 actual 204-bkg = 0.040 expected resolution = >4200
 actual 206-207 = 1.001 actual 206-208 = 1.999 actual resolution = 5090
 Primary = ~~2.2~~ nA PESABM = ~~37~~²⁹ pA actual Primary : PESABM (= 50:1) = ~~76~~
 Raster time (mins): 2 Raster aperture (microns): 100 No. of scans: 6

Comments: A = CHD-319
B = " -319

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U Kcps	196 cps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238	Age ±1σ (Ma) 207/206	Corr.
	s/ 3-2	11:23	<u>9.86</u>	10.1	1753	220	0.0	.11	572 ± 1	572 ± 22	208
	s/ 3-3	12:08	7.22	13.1	1634	220	2.1	.01	572 ± 1	579 ± 22	208
	s/ 4-1	12:33	7.30	12.1	1555	219	0.4	.10	573 ± 1	510 ± 24	208
	<u>B. 1-1</u>	<u>12:51</u>	<u>7.23</u>	<u>11.8</u>	<u>3.0K</u>	<u>74.7</u>	<u>1.0</u>	<u>-0.3</u>	<u>2833 ± 11</u>	<u>2773 ± 8</u>	<u>204</u>
	<u>B. 2-1</u>	<u>13:13</u>	<u>7.64</u>	<u>10.5</u>	<u>5.7K</u>	<u>129</u>	<u>-0.2</u>	<u>-</u>	<u>2983 ± 9</u>	<u>2909 ± 5</u>	<u>-</u>
	s/ 4-2	13:39	7.40	11.0	1431	208	<u>8.5</u>	.65	586 ± 1	492 ± 27	208
	<u>B. 3-1</u>	<u>13:57</u>	<u>7.19</u>	<u>10.7</u>	<u>22.9K</u>	<u>812</u>	<u>19.6</u>	<u>-0.8</u>	<u>2342 ± 3</u>	<u>2454 ± 3</u>	<u>204</u>
	<u>B. 4-1</u>	<u>14:13</u>	<u>7.19</u>	<u>10.8</u>	<u>3.6K</u>	<u>99.1</u>	<u>-0.7</u>	<u>-</u>	<u>2874 ± 10</u>	<u>2904 ± 6</u>	<u>-</u>
	<u>B. 4-2</u>	<u>————</u>	<u>————</u>	<u>————</u>	<u>high</u>	<u>204</u>	<u>————</u>	<u>————</u>	<u>————</u>	<u>————</u>	<u>————</u>
	<u>B. 5-1</u>	<u>14:35</u>	<u>8.01</u>	<u>9.7</u>	<u>16.6K</u>	<u>366</u>	<u>1.9</u>	<u>-0.1</u>	<u>2936 ± 5</u>	<u>2913 ± 3</u>	<u>204</u>
	s/ 6-1	14:52	7.44	10.3	1378	216	<u>13.6</u>	.94	571 ± 1	535 ± 28	208

ARC dropped out

DODGY!! Delete!!

left in

no 5-1??

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U K cps	196 cps	206 cps	U ppm	²⁰⁴ Pb ppb	f ₂₀₆ %	Age ±1σ (Ma)		Corr.
									206/238	207/206	
	B.6-1	15:13	8.95	8.1	5.2K	380	6.3	.16	948±2	1570±10	204
	B.7-1	15:37	8.72	7.9	58.6K	1551	8.6	.02	2492±2	2519±2	204
1st Scan	B.8-1	15:53	8.09	9.2	12.7K	321	8.3	.07	2680±5	2772±4	204
	B.8-2	16:09	7.91	9.3	9.6K	242	9.0	.09	2786±6	2776±4	204
	sl.6-2	16:27	7.44	9.9	1288	206	10.6	.86	580±1	585±28	208
1st Scan	B.9-1	17:00	8.35	8.1	21.9K	748	16.9	.80	2168±3	2371±5	204
	B.10-1	17:18	9.23	7.4	29.4K	933	26.9	.12	2018±2	2082±3	204
	B.11-1	17:35	7.51	9.3	8.0K	235	3.4	.04	2767±6	2777±5	204
	B.12-1	17:52	8.24	8.2	12.0K	389	7.5	.06	2312±4	2565±4	204
	sl.6-3	18:09	7.58	8.9	1201	208	12.1	.89	566±1	496±30	208
	B.13-1	18:27	7.99	8.2	1585	44	1.5	.08	2773±15	2779±11	204
CO TO 97-02											