

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 31/12/97 UWA Mount No. 97-35 Whose sample? YQ Operator(s) McN + YQ

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):	7.8	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 = 8.167 actual 204-bkg = 0.045 expected resolution = >4200
 actual 206-207 = 1.000 actual 206-208 = 2.000 actual resolution = 4774

Primary = 4.0 nA PESABM = 54 pA actual Primary : PESABM (= 50:1) = 74.1
 Raster time (mins): 1 Raster aperture (microns): 100 No. of scans: 5

Comments: C = DP-4 * 1° drifted ~~down~~ during analysis

① ↑ ML & reduced 1° to 3.0 nA
 ② ↓ increase 1° to 3.3 nA

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238 207/206	Corr.	<u>FINAL</u> 1° (nA)
	sl. 2-1	12:04	6.00	19.1	2122	220	0.3	.02	572 ± 1 586 ± 29	208	4.1
	sl. 2-2	12:26	5.79	26.2	2637	224	1.2	.10	576 ± 1 671 ± 30	204	5.2
	C. 1-1	12:42	5.20	22.6	126	25.4	-2.3	-	423 ± 1 642 ± 116	-	* 5.0
	C. 2-1	12:57	5.34	32.9	1159	149	-0.3	-	411 ± 1 397 ± 41	-	* 5.8
	sl. 4-1	13:15	5.84	11.7	1230	236	1.8	.15	552 ± 1 500 ± 51	204	* 2.9
	sl. 4-2	13:28	6.03	11.8	1324	221	2.2	.19	566 ± 1 564 ± 42	"	* 2.9
	C. 2-2	13:42	6.07	11.0	531	140	-0.3	-	383 ± 1 586 ± 59	-	* 2.6
	C. 2-3	13:58	6.09	12.5	285	64.6	0.2	.08	386 ± 1 296 ± 116	204	* 3.2
	sl. 4-3	14:13	6.03	12.8	1345	215	0.9	.01	542 ± 1 710 ± 35	208	* 3.2
	C. 3-1	14:27	6.01	12.4	237	57.9	0.7	.19	376 ± 1 241 ± 109	"	* 3.1
	C. 3-2	14:42	5.82	11.6	220	61.0	0.7	.04	395 ± 1 613 ± 94	"	* 2.7

① → 1° steadily dropped

② → 1° slowly drifts down during analysis; returns with Div 1-2

