

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 18/5/98 UWA Mount No.: 98-18 Whose sample?: McN Operator(s): McN + SB

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):	18	3	1	2	1	1	3	2	2

expected 196-204 = 8.170 amu expected 204-bkg = 0.040⁵ amu Dead-time = 32 nanosecs
 actual 196-204 = 8.167 actual 204-bkg = 0.045 expected resolution = >4200
 actual 206-207 = 1.001 actual 206-208 = 2.000 actual resolution = 5184
 Primary = 2.3 nA PESABM = 30 pA actual Primary : PESABM (≈ 50:1) = 76.7
 Raster time (mins): 1 Raster aperture (microns): 100 No. of scans: 6

Comments: A = S437
 B = PAR-12
 C = Bodd-4

** calibration std*

OFFSETS

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	Age ±1σ (Ma) 207/206	Corr. 204-Bkg 206-207
	sl. 1-1*	11:33	6.39	6.9	702	220	-1.0	.01	572 ± 1	572 ± 29	8.167 0.045 1.001
	<i>AK adjusted 2° quad → Alpha 2 steering kept</i>										
	test	12:02	5.81	13.3	1182	257	-3.3	/	584 ± 1	508 ± 31	---
	sl. 1-2*	12:19	6.13	12.0	1278	220	2.1	.18	571 ± 1	550 ± 31	---
	A. 1-1	12:37	9.19	9.1	32K	371	106.8	.68	2953 ± 4	2592 ± 3	---
	sl. 1-3	12:53	6.20	11.9	1265	215	0.6	.002	563 ± 1	672 ± 21	---
	A. 1-2										
	A. 3-1										
	sl. 1-5	15:00	6.23	5.5	463	188	-0.2	-	504 ± 1	567 ± 34	---
	sl. 2-4	16:01	6.03	9.7	802	211	0.4	-.04	492 ± 1	606 ± 25	20*
	A. 5-1	16:52	6.56	11.5	11425	150	51	.45	4507 ± 11	2775 ± 4	204

OMIT
 3 scans
 10 drip out
 Problems with sensitivity & calib. ↓
 PD 1

