

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date	UWA Mount No.	Whose sample?	Operator(s)							
27/3/97	96-75	MEB AGM	MeN/AP							
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
<del>Phanerozoic</del>	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 = 8.172		actual 204-bkg = 0.040		expected resolution = >4200						
actual 206-207 = 0.999		actual 206-208 = 1.999		actual resolution = 4980						
Primary = 2.2 nA		PESABM = 30 pA		actual Primary : PESABM (≈ 50:1) =						
Raster time (mins): 2		Raster aperture (microns): 100		No. of scans: 7						

Comments: A = Rooiberg → not recoated ∴ can't do any more  
 ⊗ instability seems to arise when you adjust Duo Y ∴ do all Y adjustments with Weni Y

C = CHD 383  
 B = SSD - 6

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U Kcps	196 cps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma)		Corr.
									206/238	207/206	
	sl. 5-6	12:05	6.59	10.4	1046	220	1.5	.02	572 ± 1	524 ± 23	208
	sl. 5-7	12:30	6.64	11.3	1214	220	0.9	.04	594 ± 1	594 ± 20	208
	sl. 5-8	12:50	6.24	12.4	1178	237	0.2	.02	593 ± 1	588 ± 22	204
	<del>del scan</del> C. 9-1	13:12	7.23	9.2	20.4K	1241	28.7	.13	1572 ± 1	1796 ± 4	204
	C. 9-2				high	204			→ aborted		
	sl. 5-9	13:44	6.56	10.3	1068	225	1.1	.09	579 ± 1	465 ± 48	204
	low sl C. 10-1	14:15	6.92	10.0	12.7K	692	14.1	.10	1789 ± 2	2074 ± 4	204
	C. 11-1	14:36	6.88	9.4	7.4K	279	5.6	.05	2640 ± 5	2749 ± 4	204
	C. 11-2	14:56	6.02	13.3	3.6K	524	4.1	.09	847 ± 1	1268 ± 11	204
	sl. 5-10	15:16	6.35	11.0	1034	225	2.2	.001	583 ± 1	574 ± 22	208
	C. 12-1	15:37	6.62	10.3	12.3K	687	33.5	.20	1920 ± 2	2387 ± 4	204

↑ 1° unstable  
 ⊗  
 ↓ 1° stable  
 ↓ 1° unstable near end  
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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.
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	C.13-1	15:57	6.64	10.4	8.4K	587	13.4	.12	1548 ± 2	2147 ± 5	204	
	C.14-1	16:24	7.13	8.2	11.9K	943	26.1	.17	1422 ± 2	1750 ± 5	204	
	sl. 2-1	—	Printer problem				—	—	584?			
	B. 1-1		Printer problem				93.5	1.7	.04	2964 ± 10	2936 ± 6	204
	B. 2-1		Printer problem				—	—	—	3017 ± 15	2919 ± 9	<del>204</del>
	B.2-2		Printer problem				93.7	1.3	.03	3071 ± 11	2920 ± 7	204
	B.3-1	18:14	6.96	8.9	9.55	32.7	7.3	.53	2869 ± 17	2888 ± 13	204	
	sl. 2-2	18:35	6.69	8.6	9.02	215	1.0	.08	579 ± 1	602 ± 38	204	
	B.4-1	18:56	6.54	8.0	17.30	66	0.2	0.01	3045 ± 13	2935 ± 8	204	

*Delite 1st scan to avoid print problem*

*1° dropped near end*

WENT TO 94-07 (separate log)