

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 30/12/95 UWA Mount No.: 95-29 Whose sample?: MARCUS Operator(s): IF+MR

Indicate any change to the following: 196 204 bkg 206 207 208 238 248 254

Precambrian Count time (secs): 2 10 10 30 10 5 5 2
 Delay time (secs): 7 3 1 2 1 1 3 2
Phanerozoic Count time (secs): 2 10 10 10 10 10 5 5 2
 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 = 8.168 actual 204-bkg = 0.045 expected resolution = >4200
 Primary = 2.8 nA PESABM = 50 pA actual resolution = 4193
 expected Primary : PESABM ≈ 50:1 actual Primary : PESABM = 56

Comments:

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.	
	sl 529.3-3	10:36	5.46	19	1332	-	-ve	-	615	-	
	206, 207 248, 254	3-4 10:59	5.30	21	1319	223	1.5	0.1	572 513	204	
	206, 248	u B.1-1 11:23	5.75	21	922	22	0.5	0.1	2547 2451	204	
	206, 238 254	2-1 11:42	5.59	20	464	29	0.6	0.2	1209 1204	204	
	207, 248	sl 1-1 12:05	probably ok if last 2 scans deleted.								
	u B.3-1	12:28	5.29	22	246	24	2.3	1.1	898 803	204	
	u B.4-1	12:49	5.52	22	670	53	0.8	0.2	934 896	204	
	sl 529.1-2	13:10	5.40	23	1528	206	0.6	0.05	591 468	204	
	u B.5-1	13:37	5.45	24	2151	65	0.6	0.03	2177 2040	204	
	u B.5-2	14:00	5.72	21	3151	65	1.2	0.04	2816 2767	204	
	u B.6-1	14:25	7.09	17	3819	336	25.3	1.6	481 773	204	

Rejection over-ride Sample/ Std ID Time - printout UO/U 196 cps (K) 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 cps (K)	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238	207/206	Corr.
196, 238 248, 251	B.20-2	03:19	5.66	21	353	27	1.8	0.72	902	765	204
196, 206, 248 254	SL529.17	03:40	5.47	19	1483	214	0.2	0.01	616	579	204
206, 238	A.21-1	04:01	5.80	21	976	76	0.6	0.09	842	784	204
196, 238 248	A.21-2	04:20	5.56	20	966	83	-0.2	-ve	896	775	no common lead
207, 208 238	A.22-1	04:39	5.47	23	2015	153	2.5	0.17	954	951	204
254	A.22-2	04:59	5.82	20	945	65	0.5	0.07	955	838	204
238, 240 254	A.23-1	05:23	5.62	21	404	31	0.9	0.31	952	836	204
238, 254 2	SL529.1-B	05:43	5.67	18	1514	204	0.7	0.06	614	593	204