

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 2/10/98 UWA Mount No. 98-39 Whose sample? YUMIN Operator(s) McW + 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): 48 3 1 2 1 1 3 2 2
 expected 196-204 = 8.170 amu expected 204-bkg = 0.045 amu Dead-time = 32 nanosecs
 actual 196-204 = 8.168 actual 204-bkg = 0.045 expected resolution = >4200
 actual 206-207 = 1.000 actual 206-208 = 1.999 actual resolution = 5734
 Primary = 3.75 nA PESABM = 47.5 pA actual Primary : PESABM (= 50:1) = 79
 Raster time (mins): 1 Raster aperture (microns): 120 No. of scans: 6

Comments: B = JEDG-1 * 1° slightly unstable!!
 D = BJZ-2 ⊕ effects changed!! D2-1 data no good!!
 A = JEDG-4
 C = BJZ-3

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: 196-204 206-207 206-208
	* Sl. 1-1	10:30	6.42	16.7	2003	220	1.3	.11	572±1 559±31	8.168 1.000 1.999
	Sl. 1-2	10:48	6.21	17.4	1928	229	-0.3	/	562±1 540±27	- " -
	B. 4-1	11:05	6.54	17.3	4.1K	87.9	1.4	.05	2335±7 2472±9	- " -
	B. 4-2	11:22	6.02	18.9	2.6K	70.0	1.2	-06	2247±8 2434±12	- " -
	Sl. 1-3	11:39	6.24	18.2	1956	224	0.6	.05	551±1 546±34	- " -
	B. 5-1	11:55	6.37	17.3	10.5K	249	0.9	.01	2277±4 2487±6	- " -
	B. 3-1	12:14	6.29	17.4	6.5K	145	2.0	.04	2458±6 2540±7	- " -
Delete ⊕	D. 2-1	12:39	6.16	17.7	4.3K	105	1.0	.03	2409±7 2336±9	8.168 0.1923 ⊕ 1.191
	Sl. 1-4	12:59	6.32	17.8	2002	219	-1.0	/	565±1 550±27	8.168 1.000 1.999
	D. 1-1	13:15	6.23	17.9	6.5K	109	2.5	.05	2420±6 2470±7	- " -
	D. 3-1	13:32	6.20	18.0	1613	36.4	12.3	1.02	2448±12 2477±19	- " -

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 cps	206 cps	U ppm	204Pb ppb	f206 %	Age $\pm 1\sigma$ (Ma) 206/238 207/206		Corr.
	S13-4	5:13	6.56	16.9	203	211	-0.4	✓	551	580	✓
	C21-1	5:35	6.01	17.4	2162	86	0.8	.04	1703	2393	204
	C22-1	6:14	6.2	18.	69	173	-0.3	.38	264	259	208
	C34-1	6:41	5.78	18.3	934	31	3.8	.4	2135	2456	204
	C35-1	6:58	6.49	16.8	2269	51	0.6	.04	2331	2474	200
	S13-5	7:18	5.81	16.9 25	1608	251	-0.9	.03	553	541	208
	C23-1	7:40	5.2	13.9	42	228	14.	.7	301	417	208

std 1207
n = 15