

UWA SHRIMP DATA LOG: ZIRCON U-Pb

Date: 29/3/95 UWA Mount No. 94-18 Whose sample? C. YEATS Operator(s) TIMON C.Y.

Indicate any change to the following: 196 204 bkg 206 207 208 238 248 254
 Count time (secs): 2 10 10 10 40 10 5 5 2 } All as stated
 Delay time (secs): 6 3 1 2 1 1 3 2 2 }
 expected 196-204 = 8.170 amu expected 204-bkg = 0.040 amu Dead-time = 36 nanosecs
 actual 196-204 = 8.169 actual 204-bkg = 0.045 expected resolution = >4200
 Primary = 1.9 nA PESABM = 18 pA actual resolution = 4330
 expected Primary : PESABM ≈ 1 : 50 actual Primary : PESABM = 106

Comments from Log Book:

Rejection over-ride	Sample/ Std ID	Time	196 cps	206 cps	U ppm	204Pb ppb	f ₂₀₆ %	204-corr. Age ±1σ (Ma) 206/238 207/206		Peak cent. OK?
	CALIB S/418.4.1	17:18:20	6980	701	220	2	0.17	²⁰⁸ 572 ± 1	²⁰⁸ 613 ± 24	Y
	CALIB S/418.4.2	17:42:36	7280	769	220	0	0	²⁰⁸ 572 ± 1	²⁰⁸ 612 ± 23	Y
	U41881.1	18:09:51	7725	2715	145	26	0.51	2432 ± 8	2932 ± 7	Y
	S/418.4.3	18:34:31	6914	726	218	3	0.23	²⁰⁸ 580 ± 1	564 ± 24	Y
	U41882.1	19:01:20	7105	1161	50	3	0.14	2862 ± 16	2934 ± 10	Y
	U41883.1	19:27:58	6793	2761	125	11	0.21	2917 ± 10	2930 ± 6	Y
	S/418.4.4	19:51:49	6698	712	216	1	0.11	²⁰⁸ 579 ± 1	²⁰⁸ 533 ± 25	Y 248 (1) off
* High 204	U41884.1	20:26:13	7323	2215	99	55	1.8	2166 ± 8	2900 ± 11	Y
	U41885.1	20:50:15	7296	2664	117	12	0.24	2797 ± 10	2940 ± 6	Y
	U41886.1	21:13:53	7737	2398	93	13	0.33	2841 ± 11	2937 ± 7	Y
	S/418.4.5	21:37:22	7024	780	211	0.4	0.04	²⁰⁸ 569 ± 1	²⁰⁸ 560 ± 23	Y
* High 204	U41887.1	22:02:20	8226	2260	105	125	4.5	1854 ± 7	2913 ± 16	Y
	U41888.1	22:25:18	7029	2110	73	4.3	0.14	2792 ± 12	2936 ± 7	Y
* High 204	U418.89.1	22:50:01	7086	4240	161	435	7.1	2477 ± 8	2890 ± 15	Y

Rejection over-ride	Sample/ Std ID	Time	196	206	U	204Pb	f206	204-corr. Age $\pm 1\sigma$ (Ma)		Peak cent. OK?
			cps	cps	ppm	ppb	%	206/238	207/206	

U418-B10-1

~~U418~~

23:13:34

7031

3501

147

5.8

0.09

2859 ± 9

2939 ± 5

Y

1° Unstable! → Lost Analysis Peaks

S1418.4.6