

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 21/12/98 UWA Mount No. 98-3 Whose sample? Jayme Operator(s) McN

Indicate any change to the following: 196 204 bkg 206 207 208 238 248 254 270

~~Precambrian~~ Count time (secs): 2 10 10 10/20 30/40 10 5 5 2
~~Phanerozoic~~ Delay time (secs): 8 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 = 8.166 actual 204-bkg = 0.045 expected resolution = >4200
 actual 206-207 = 1.000 actual 206-208 = 1.999 actual resolution = 5462

Primary = 2.8 nA PESABM = 42 pA actual Primary : PESABM (≈ 50:1) =
 Raster time (mins): 1 Raster aperture (microns): 120 No. of scans: 6

Comments: ~~A = PVA - 226~~
~~B = PVA - 491~~
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 * Short-term -ve spikes in 10
 ⊕ 10 drifted down!

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	Offsets OK?
	s1.5-1	10:47	6.99	15.0	1536	220	-0.7	/	572 ± 1	646 ± 18	OK
*	s1.5-2	11:06	6.77	14.4	1463	232	1.0	-0.8	587 ± 1	592 ± 24	"
	B.19-1	11:26	6.65	13.9	1339	57.4	1.3	.08	2115 ± 9	2069 ± 13	"
Ⓟ	s1.6-1	11:45	6.86	14.3	1658	235	1.6	.11	632 ± 1	454 ± 30	"
↓ 10 stable	s1.7-1	12:04	6.90	15.5	1571	221	-0.1	/	582 ± 1	612 ± 18	"
	B.23-1	12:22	6.96	15.4	1837	61.3	3.0	.19	2121 ± 8	2048 ± 13	"
	B.24-1	12:40	7.20	14.1	3.0K	1003	13.3	.50	2086 ± 6	2071 ± 12	"
	B.25-1	13:01	6.95	14.3	1769	65.7	2.7	.16	2081 ± 8	2065 ± 12	"
	s1.8-1	13:19	7.13	14.7	1652	219	0.1	.01	593 ± 1	554 ± 18	"
	B.25-2	13:37	6.96	14.8	1442	50.4	2.4	.18	2119 ± 9	2060 ± 14	"
	B.26-1	14:01	6.93	14.1	777	30.0	-0.3	/	2047 ± 11	2103 ± 15	"

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