

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 18/6/99 UWA Mount No.: 99-08 Whose sample?: RM/JD Operator(s): JD / AP

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

~~Proterozoic~~ Count time (secs): 2 10 10 ~~10~~20* ~~10~~10* 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 = 8.170 actual 204-bkg = 0.043 expected resolution = >4200

actual 206-207 = 1.000 actual 206-208 = 2.000 actual resolution = 5205

Primary = ^{2.6 cpsxy} 3.2 ~~2.3~~ nA PESABM = 39 pA actual Primary : PESABM (= 50:1) =

Raster time (mins): 1 Raster aperture (microns): 120 No. of scans: 6

Comments: C = RM 0241
c23 is 208 corr. values

Follow on with 99-01

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U Kcps	196 cps	206 cps	U ppm	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
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	sl. 1-1	11:05	6.92	14.2	1643	220	—	—	572 ± 1	524 ± 30	
	sl. 1-2	11:23	6.75	14.8	1625	222	0.1	.01	580 ± 1	588 ± 30	✓
	C. 4-1	11:41	6.85	14.6	219	31	—	—	540 ± 3	550 ± 32	✓
	c. 1-1	aborted	—	—	—	—	—	—	—	—	—
	c. 2-1	12:16	7.29	13.6	1637	210	0.6	.06	537 ± 1	539 ± 32	✓
	sl. 15-2	12:34	6.77	14.4	1503	214	0.1	.01	565 ± 1	535 ± 32	✓
	C. 3-1	12:57	6.82	13.7	1393	217	1.5	.14	534 ± 1	519 ± 40	✓
	C. 3-2	13:14	7.10	13.5	704	95	0.2	.04	553 ± 1	448 ± 52	✓
	C. 5-1	13:33	6.72	14.3	2068	310	1.5	.09	552 ± 1	604 ± 31	✓
	sl. 15-3	13:50	6.82	14.1	1521	215	0.2	.02	570 ± 1	459 ± 34	✓
	C. 6-1	14:10	6.92	14.5	202	27	0.6	.46	552 ± 3	449 ± 158	✓

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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	Offsets OK?
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	C.7-1	14:27	6.71	14.0	330	52	-ve	-	540 ± 2	619 ± 64	✓	OK
	C.21-1	14:46	6.48	13.3	321	60	1.3	.45	530 ± 2	321 ± 118	✓	
^{0.1-} drop 0.2 nA during scans mid 5 & 6.	OK SL.15-4	15:03	6.70	14.7	1455	213	1.2	.003	557 ± 1	610 ± 31	✓	
	C.8-1	15:22	6.73	13.8	890	144	-ve	-	531 ± 1	575 ± 40	✓	D.K.
	C.9-1	15:38	6.72	14.3	710	106	1.0	.18	547 ± 2	450 ± 60	✓	OK
	C.22-1	15:55	6.73	14.2	123	20	1.3	1.35	518 ± 5	264 ± ?	✓	x
dist of artef failures.	SL.15-5	16:12	6.78	14.2	1492	213	-ve	-	571 ± 1	551 ± 31	✓	
^{0.1-} drop 0.1-0.2 nA during last 3 scans.	C.23-1	16:42	6.75	13.9	7643	259	-ve	.50	2166 ± 4	2192 ± 8	✓	
	C.10-1	16:58	6.95	13.2	845	135	-ve	.37	512 ± 1	592 ± 57	✓	OK
	C.10-2	17:15	6.98	13.8	749	105	-ve	-	547 ± 1	566 ± 44	✓	OK
	SL.15-6	17:32	6.87	13.7	1537	214	0.8	.07	581 ± 1	605 ± 35	✓	
	C.12-1	17:48	7.00	13.9	1216	168	0.3	.04	550 ± 1	575 ± 38	✓	OK
	C.12-2	18:04	6.68	14.1	717	107	0.3	.05	576 ± 2	558 ± 68	✓	OK
	C.16-1	18:22	6.82	14.3	373	55	-ve	-	543 ± 2	637 ± 60	✓	OK
	SL.15-7	18:38	6.79	13.8	1472	212	0.3	.03	578 ± 1	544 ± 33	✓	
	C.15-1	18:57	6.54	14.0	578	99	-ve	.44	534 ± 2	533 ± 71	✓	OK
	C.24-1	19:20	7.01	14.2	592	79	0.9	.22	552 ± 2	397 ± 68	✓	
	C.25-1	19:37	6.76	14.0	109	16	0.6	.79	575 ± 7	252 ± 343	✓	
	SL.14-1	19:54	6.84	14.1	1497	207	0.6	.06	575 ± 1	525 ± 43	✓	
	SL.14-2	20:09	6.74	14.8	1504	207	0.9	.08	576 ± 1	561 ± 36	✓	

12-13 OK results 1 old 6 discordant results

Range = 512 - 576 Ma

