

**UWA DATA LOG: SHRIMP ZIRCON U-Pb**

Date: 2/2/97 UWA Mount No.: 96-75 Whose sample?: A = MEB Operator(s): MCN & AP

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Indicate any change to the following:

	196	204	bkg	206	207	208	238	248	254	
<b>Precambrian</b>	Count time (secs):	2	10	10	10	30/10	10	5	5	2
<del>Phanerozoic*</del>	Delay time (secs):	<del>7</del> 8	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 = 8.167      actual 204-bkg = 0.040      expected resolution = >4200  
 actual 206-207 = 1.001      actual 206-208 = 1.999      actual resolution = 5090

Primary = 2.1 nA    PESABM = 32 pA    actual Primary : PESABM (≈ 50:1) = .....  
 Raster time (mins): 2      Raster aperture (microns): 100      No. of scans: 7

Comments: A = ROOIBERG / MEB  
C = CHD-383 / AM

Calibra<sup>2</sup> Ave:  $Zr/U = 2.25262$   
 $UO/U = 7.45977$   
 $Pb^*/U = 0.2268213$   
 $n_{Zr} = 8$      $n_U = 8$

\* Probably OK: rejection!  
 Calibration error = 1.1852%

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.
	238										
	std. 6-1	10:18	7.42	9.9	1019	220	0.1	-	572 ± 1	552 ± 21	NONE
	196, 206										
	std. 6-2	10:41	7.20	9.8	908	224	0.5	-	550 ± 1*	574 ± 22	NONE
	207, 208, 248										
	A. 1-1	11:01	7.42	10.0	1427	77.7	75.3	3.98	1932 ± 8	2018 ± 35	204
	196, 208										
	std. 6-3	11:21	7.39	9.7	977	221	1.3	-0.1	561 ± 1	579 ± 23	208
	196, 207, 248, 254										
	A. 2-1	11:43	6.98	9.9	1223	76.5	13.1	.67	2073 ± 8	2008 ± 20	204
	-	A. 3-1	12:04	7.41	9.8	1431	78.7	-0.6	2029 ± 7	2071 ± 11	-
	-	A. 4-1	12:24	7.52	9.7	1474	78.6	1.7	2031 ± 8	2044 ± 13	204
	206	std. 5-1	12:45	7.75	9.3	984	206	-1.9	558 ± 1	541 ± 22	-
	-	A. 5-1	13:06	7.10	8.3	795	59.7	22.9	1955 ± 10	2077 ± 31	204
	204	A. 6-1	13:26	7.55	9.4	1214	66.7	3.8	2005 ± 8	2051 ± 15	204
	-	A. 7-1	13:46	7.51	9.8	1164	59.6	8.3	2072 ± 9	2057 ± 19	204

del 1st Tho

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.

206, 238	std. 5-2	14:06	7.29	9.9	986	227	-0.9	-	563 ± 1	580 ± 21	-
204	A. 2-2	14:27	7.58	9.6	1288	65.7	10.8	.64	2076 ± 9	2061 ± 19	204

SAMPLE C = CHD-383 (Andreas Mueller)

	C. 1-1	14:48	7.51	9.9	5.8K	235	0.3	.003	2539 ± 5	2722 ± 4	204 (RIM)
	C. 1-2	15:08	7.39	9.7	5.3K	205	3.1	.04	2760 ± 6	2769 ± 5	204 (CORE?)
	C. 2-1	15:34	6.98	9.8	3.7K	478	5.5	.09	1109 ± 2	2042 ± 7	204
206, 207, 238	std. 5-3	15:54	8.00	9.0	1015	199	-0.1	-0.1	566 ± 1	476 ± 23	208

(2x) near extremely non-linear

	C. 3-1	16:15	7.76	8.4	10.4K	666	15.3	.10	1807 ± 2	2155 ± 4	204
	C. 4-1	16:35	8.25	7.6	37K	1421	<del>80.2</del>	8.15	2678 ± 3	2729 ± 2	204

labelled "45-1"

	C. 5-1	16:55	7.78	9.7	8.7K	448	16.9	.15	1913 ± 3	2525 ± 4	204
	C. 6-1	17:14	8.27	10.7	8.0K	359	10.3	.14	1741 ± 3	1937 ± 5	204

del 1st two

206	std. 5-4	17:35	7.12	10.2	931	224	0.0	.04	560 ± 1	518 ± 24	208
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del 1st 40

	C. 6-2	17:56	7.17	10.3	753	30.4	0.9	.08	2702 ± 17	2772 ± 14	204 (CORE)
	C. 7-1	18:29	7.71	9.7	9.1K	392	42.0	.34	2300 ± 4	2695 ± 4	204
	C. 8-1	18:49	7.76	9.3	11.3K	581	16.1	.11	2020 ± 3	2462 ± 4	204

del 1st 206

96, 206	std. 5-5	19:10	7.53	9.7	986	211	-0.5	-	567 ± 1	529 ± 22	-
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GO TO MOUNT UWA 96-79