

UWA SHRIMP DATA LOG

Date: 31/7/03 UWA Mount No.: 03-30, 03-31, 03-37, C111 Whose sample?: AMIRA P763 Operator(s): AP

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* 30/10* 10 5 5 2
Phanerozoic* Delay time (secs): 8 3 1 2 1 1 3 2 2

Steel: Wein volts / nA = -72/16 for O⁻; = -50/38 for O₂⁻; = -40/54 for NO⁻

dead-time = 24 nanosecs expected resolution = >4200 actual resolution = 4860

aperture = 100 microns retardation lens = - volts

Expected offsets (amu): 196-204 = 8.170; 204-bkg = 0.045; 204-206 = 2.000; 206-207 = 1.000; 206-208 = 2.000

Actual: 196-204 = 8.170 204-bkg = 0.45 204-206 = 2.000

206-207 = 1.000 206-208 = 2.000

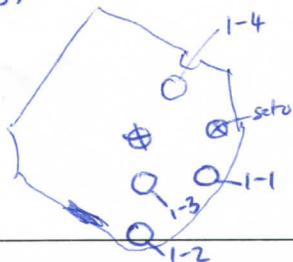
Primary-epoxy = 3.2 nA Primary-CZ3 = 4.2 nA PESABM-CZ3 = 68 pA

Raster time (mins): 1.5 Raster aperture (microns): 50 μm No. of scans: 6

Comments:

retuned I⁰ for CZ-1-3 onwards.

C23 03-37



03-30 & 03-31 were Au-coated together.

Rejection Sample/ Time - UO/U 196 206 U 204Pb f206 Age ±1σ (Ma) Offsets
over-ride Std ID printout Kcps cps ppm ppb % 206/238 207/206 OK?

03-37

retuned I⁰ = calc std =

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?
	CZ-1-1	11:29	↑ 6.50	22	1700	218	0.7	0.06	629 ± 4	574 ± 27	✓
	CZ-1-2	11:49	↑ 6.82	22	1800	221	1.5	0.12	642 ± 4	528 ± 29	✓
	CZ-1-3	12:21	6.67	28	2200	238	2.4	0.20	570 ± 3	476 ± 29	✓
	F-3-1	12:50	6.73	28	2500	127	135	20.7	1070 ± 9	2663 ± 31	✓
	CZ-1-4	13:10	6.67	28	2300	247	2.1	0.17	577 ± 3	530 ± 28	✓
	F1-1	13:39	6.91	24	2500	130	210	14.1	1080 ± 9	2606 ± 62	✓
	CZ-1-5	14:41	6.60	30	2400	242	0.7	0.06	575 ± 3	540 ± 22	✓
	E-1-1	15:00	6.66	21	2500	279	200	11.0	663 ± 14	2553 ± 113	✓

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?

03-37

03-30

P-54M.

<10µm

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?
	C2.1-6	15:20	6.41	30	2300	234	1.3	0.11	589 ± 4 502 ± 27	✓
	C2.1-1	15:47	6.64	29	2400	251	-	-	583 ± 4 511 ± 27	✓
	H.2-1	16:11	6.52	10	2200	401	456	13.3	838 ± 6 2446 ± 60	✓
	H.1-1	16:32	6.02	18	1500	72	232	15.7	1804 ± 19 2524 ± 60	✓
	C2.1-2	16:51	6.65	30	2400	247	-	-	574 ± 3 581 ± 21	✓
	I.1-1	17:15	7.28	25	3600	285	141	7.39	708 ± 5 2478 ± 28	✓
	M.1-1	17:39	6.34	30	2800	55	1.3	0.08	2713 ± 20 2679 ± 8	✓
	M.1-2	17:58	6.12	29	2300	48	0.9	0.07	2691 ± 23 2668 ± 9	✓
	C2.1-3	18:18	6.51	30	2400	250	1.1	0.09	570 ± 3 526 ± 32	✓
	J.1-1	18:40	8.93	7	130K	45378	43	29.8	3736 ± 20 2623 ± 16	✓
	N.1-1	19:01	6.72	21	6200	216	48.3	1.10	2054 ± 23 2269 ± 28	✓
	C2.1-4	19:21	6.54	29	2300	251	1.0	0.08	564 ± 3 546 ± 31	✓
	D.1-1	19:41	6.73	27	6600	161	14.4	0.39	2272 ± 29 2521 ± 6	✓
	E.1-1	20:06	6.32	15	4700	235	108	2.07	2197 ± 19 2315 ± 22	✓
	C2.1-5	20:25	6.53	30	2300	243	0.6	0.05	563 ± 3 527 ± 23	✓
	P.1-1	20:46	7.52	19	2800	320	2.1	10.9	614 ± 10 2428 ± 73	✓
	O.1-2	21:13	7.06	28	11000	236	52	0.98	2242 ± 19 2376 ± 8	✓
	O.1-1	21:32	6.91	32	2700	108	56	4.67	1165 ± 7 2612 ± 23	✓
	C2.1-6	21:52	6.58	31	2300	238	1.2	0.10	572 ± 3 517 ± 28	✓
	C2.1-1	22:55	6.67	31	2300	238	-	-	554 ± 3 560 ± 24	✓
	C2.1-2	23:14	7.04	28	2300	252	2.2	0.20	527 ± 3 509 ± 35	✓
	K1-1	23:35	6.69	31	410	57	7.6	9.15	1886 ± 15 2718 ± 13	✓
	K1-2	23:53	7.17	31	2500	86	35.5	3.29	1323 ± 12 2615 ± 20	✓
	C2.1-3 FV1	00:12	6.74	29	2300	249	0.6	0.05	564 ± 3 522 ± 30	✓
	FF-1	00:34	7.72	21	3900	409	247	10.6	581 ± 3 2333 ± 37	✓

Not Zr? very Metamict.

!V OFF: sample change

03-31

exc.

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U Kcps	196 Kcps	206 cps	U ppm	²⁰⁴ Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	A. 1-1	01:01	6.54	28	28	132	137	9.13	1135 ± 9	2665 ± 31	✓
	C2.1-4	01:20	6.59	31	2200	240	240 1.0	1.0 0.09	541 ± 3	550 ± 24	✓
	D. 1-1	01:42	7.18	29	2800	200	99.1	7.5	697 ± 4	2618 ± 28	✓
	I. 1-1	02:03	6.76	30	2500	207	62.5	5.1	640 ± 20	2636 ± 35	✓
	C2.1-5	02:22	6.62	30	2200	242	2.1	0.19	543 ± 3	510 ± 31	✓
	C. 1-1	02:43	6.15	35	2300	61	16.9	1.50	1877 ± 16	2643 ± 18	✓
	J. 1-1	03:06	7.26	31	3100	168	103.6	7.77	827 ± 5	2447 ± 30	✓
	C2.1-6	03:25	6.59	30	2300	242	0.8	0.07	555 ± 3	546 ± 24	✓
	C2.1-7	03:49	6.55	31	2100	232	0.6	0.06	537 ± 3	598 ± 32	✓
	IA. 1-1										
	C2.5-1	04:09	7.11	28	2400	247	0.9	0.08	552 ± 3	592 ± 24	✓
	C2.5-2	04:28	6.93	30	2400	244	0.2	0.02	554 ± 3	596 ± 27	✓
	C. 18-1 ANZ. 1-1	04:55	6.89	29	2500	45	2.3	0.19	2688 ± 23	2778 ± 10	✓
	C. 19-1	05:10	6.91	29	2700	50	1.7	0.13	2623 ± 21	2771 ± 9	✓
	C. 20-1	05:56	6.80	30	1800	32	-	-	2186 ± 26	2773 ± 12	-
	C2.5-3	05:29	7.22	28	2500	250	-	-	558 ± 3	591 ± 25	✓
	C. 21-1	06:17	7.10	28	2800	50	1.1	0.08	2744 ± 25	2748 ± 8	✓
	C. 22-1	06:39	6.66	29	2400	45	1.1	0.08	2699 ± 31	2775 ± 8	✓
	C2.5-4	06:58	6.97	29	2400	252	0.3	0.03	553 ± 3	528 ± 31	✓
	C. 23-1	07:16	6.68	29	2100	40	1.5	0.13	2706 ± 31	2763 ± 10	✓
	C. 24-1	07:35	6.70	30	2900	65	2.8	0.19	2263 ± 21	2768 ± 8	✓
	C. 25-1	07:56	7.97	20	2100	46	4.6	0.36	2719 ± 28	2754 ± 11	✓
	C2.5-5	08:15	6.98	29	2400	245	-	-	553 ± 3	568 ± 16	✓

03-31

C-111