

UWA SHRIMP DATA LOG

Date: 22/11/02 UWA Mount No.: C-43 Whose sample?: NV Operator(s): IF+NV+MG

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 82 2
Phanerozoic* Delay time (secs): 8 3 1 2 1 1 3 2 2

SDA Steel: Wein volts / nA = -72/13 for O⁻; = -53/3.6 for O₂⁻; = -42/7.4 for NO⁻

dead-time = 24 nanosecs expected resolution = >4200 actual resolution = 4880

aperture = ~80 microns retardation lens = 0 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 = 8.172 204-bkg = 0.045 204-206 = ~2.000

206-207 = 1.000 206-208 = 2.000

Primary-epoxy = 2.5 nA Primary-CZ3 = 3.6 nA PESABM-CZ3 = 58 pA

Raster time (mins): 1.5 Raster aperture (microns): 40 No. of scans: 6

Comments:

Priority 1^o - A
2 - C

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	²⁰⁴ Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	¹⁰⁵⁻¹ CZ-3	16:59	6.5118	1995	2312	551	0.9	0.03	572 ± 3	514 ± 2	✓
	SDA 109-1	17:00	6.652	19.96	1177	336	3.6	0.03	3614 ± 16	3573 ± 3	✓
	CZ 105-2	only 2 scans	delete								
opt	CZ 105-2	17:34	6.34	21.56	2398	556	0.4	0.02	564 ± 7	547 ± 39	✓
	A1-1	17:53	5.00	15.84	6242	58	-	0.1	2288 ± 37	2695 ± 19	✓
	A2-1	18:12	6.2	22.35	7440	309	2	0.02	2648 ± 14	2676 ± 5	✓
	A2-2	18:31	6.49	22.65	76409	257	11.1	0.17	2558 ± 15	2656 ± 6	✓
	CZ 105-3	18:51	6.22	22.46	2459	551	1.3	0.05	574 ± 3	570 ± 23	✓

Mount/sample No: C43

Date: 22/11/02

Page No: 2

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U Kcps	196 cps	206 cps	U ppm	²⁰⁴ Pb ppb	f ²⁰⁶ %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	A1-2	19:12	5.42	19.0	3907	237	1.6	0.03	2570±15	2660±7	✓
	A3-1	19:31	6.00	21.77	3839	174	1.1	0.03	2605±19	2664±6	✓
	C23105-4	19:50	6.29	22.6	2593	562	2.2	0.08	581±7	568±34	✓
	A4-1	20:09	6.31	22.52	2528	97	4.9	0.17	2757±70	2639±19	✓
	A5-1	20:27	6.31	22.81	3599	150	9.9	0.25	2537±19	2672±9	✓
	A6-1	20:45	6.23	22.34	1263	51	2.6	0.18	2704±31	2687±12	✓
	C23105-5	21:03	6.06	22.32	2410	555	0.1	0.01	582±3	591±17	✓
	A7-1	21:24	6.66	20.75	1861	74	7.5	0.21	2689±30	2677±13	✓
	A8-1	21:42	6.34	21.5	8427	340	1.1	0.01	2729±18	2673±10	✓
	C23106-1	22:02	6.23	22.97	2588	546	1.6	0.06	595±3	548±24	✓
	A9-1	22:27	6.25	22.5	1137	46	1.3	0.10	2664±33	2663±16	✓
	A10-1	22:46	6.23	23.18	1486	56	2.7	0.17	2747±31	2646±15	✓
	A10-2	23:04	6.01	22.31	1233	53	5.7	0.39	2657±30	2652±14	✓
	C23106-2	23:22	6.39	22.71	2692	56	—	—	593±4	544±20	✓
	A11-1	23:45	5.97	22.81	3884	110	3.2	0.07	2730±20	2657±8	✓
	A12-1	00:04	5.95	21.60	3302	150	4.9	.12	2659±19	2652±9	✓
	A13-1	00:46	6.46	21.50	1522	62	9.1	.54	2629±29	2653±14	—
	C23107-1	00:24	6.32	22.63	2555	558	0.2	.01	573±4	585±23	✓
? low UO/U →	A14-1	01:05	4.99	14.71	2126	184	8.6	.18	2589±21	2650±10	✓
	A14-2	01:23	6.26	20.13	5016	215	0.4	.01	2784±19	2655±5	✓
	A15-1	01:41	6.43	22.40	4077	153	1.1	.03	2752±22	2679±9	✓
	A16-1	02:01	6.38	22.85	1085	42	-ve	-ve	2711±42	2681±12	✓
	C23107-2	02:24	6.23	22.92	2438	550	0.8	.03	558±3	591±27	✓
	A17-1	02:42	6.35	23.20	6633	251	7.1	.10	2697±15	2666±6	✓
	A18-1	03:01	6.27	22.92	2007	78	-ve	-ve	2707±25	2660±12	✓

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?

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?
	A19-1	03:27	6.27	22.8	1070	41	1.3	.11	2733±38	2661±15	✓
	A20-1	03:44	6.53	22.0	1387	53	0.6	.04	2694±34	2653±12	✓
	C23.106-3	04:02	6.23	22.1	2524	552	-ve	-	596±3	557±30	✓
	A21-1	04:24	6.18	22.3	3446	142	11.8	.30	2670±19	2648±10	✓
	A22-1	04:45	6.14	22.9	1467	57	0.6	.04	2771±33	2650±15	✓
	A23-1	05:03	6.27	22.6	4445	178	2.9	.06	2664±18	2659±7	✓
	A24-1	05:21	6.24	23.0	1693	64	2.2	.12	2761±32	2678±12	✓
	C23.103-1	05:41	5.93	23.0	2373	553	1.7	.06	575±3	583±26	✓
C	C.1-1	06:01	6.22	23.3	1876	72	2.1	.10	2736±31	2685±10	✓
	C.2-1	06:20	6.41	22.9	2440	91	0.1	.00	2729±33	2659±10	✓
	C.3-1	06:39	6.38	24.3	3152	123	1.3	.04	2549±25	2665±9	✓
	C.4-1	06:58	6.46	23.3	3801	148	31.3	.80	2558±22	2645±9	✓
	C23.103-2	07:18	5.98	22.6	2352	547	-ve	-	579±4	555±16	✓
	C.5-1	07:38	6.41	22.4	2981	113	1.8	.06	2761±26	2661±9	✓
	C.6-1	07:56	6.35	23.0	3396	137	2.7	.08	2573±19	2671±8	✓
	C.7-1	08:15	6.18	24.5	2846	104	7.7	.26	2729±27	2656±10	✓
	C23.103-3	08:33	6.19	23.7	2550	538	-ve	-	582±3	530±19	✓