

UWA SHRIMP DATA LOG

Date: 21/02/00 UWA Mount No.: 99-73 Whose sample?: Bryan K Operator(s): IF + 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* 30/40* 10 - 5 - 5 - 2 -
Phanerozoic* Delay time (secs): 8 - 3 - 1 - 2 - 1 - 1 - 3 - 2 - 2 -

Steel: Wein volts / nA = 18 for O⁻; = 2.8 for O₂⁻; = 6 for NO⁻

dead-time = 32 nanosecs expected resolution = >4200 actual resolution = 5100

aperture = 100 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 = 8.170 204-bkg = 0.045 204-206 = 1.998

206-207 = 1.000 206-208 = 2.000

Primary-epoxy = 2.4 nA Primary-CZ3 = 3.4 nA PESABM-CZ3 = 54 pA

Raster time (mins): 2 Raster aperture (microns): 120 No. of scans: * 6

Comments: Sensitivity = 16

Rejection over-ride	Sample/ Std ID	Time - printout (with date)	UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	C23-12-1	11:20	6.38	18.9	1897	-	1.0	.08	-	553	✓
	C23-12-2	11:36	6.16	19.4	1740	218	ve	-	578	610	✓
*	A-1-1	12:03	6.22	18.9	483	11	ve	-	2654	2540	✓
	A-2-1	12:21	6.58	18.6	1280	25	0	0	2665	2546	✓
	A-3-1	12:39	6.55	18.7	2297	68	0.1	.01	1880	1802	✓
	A-4-1	12:58	6.35	18.4	882	24	0.7	.09	2255	2568	✓
	C23-12-3	13:18	6.26	19.8	2025	232	0.8	.06	587	577	✓
	D-1-1	13:41	6.02	20.5	463	27	0.7	.24	1188	1176	✓

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?
	D.2-1	14:04	6.16	19.8	4919	83	0.5	0.1	3335	3234	✓
	D.3-1	14:23	6.07	18.4	128	25	3.4	3.6	400	638	✓
	C23.12-4	14:41	6.11	19.7	1927	234	0.2	0.2	597	586	✓
	A.5-1	15:01	6.46	18.8	1077	24	2.0	0.25	2450	2536	✓
	A.6-1	15:26	6.36	19.7	450	9	2.7	0.82	2628	2511	✓
	A.7-1	15:47	6.38	19.0	734	16	0.3	0.05	2606	2529	✓
	A.8-1	16:20	6.32	19.2	552	12	1.3	0.31	2622	2515	✓
	C23.12-5	16:42	6.23	20.4	1908	219	-ve	-	580	622	✓
	A.9-1	17:07	5.58	18.9	39	36	-ve	-	117	51	✓
	A.10-1	17:28	6.01	19.6	502	12	0.3	0.07	2656	2561	✓
	A.11-1	17:53	5.97	20.5	384	9	0.4	0.12	2663	2526	✓
	A.12-1	18:16	6.24	19.3	2866	58	0.9	0.04	2868	2733	✓
	A.13-1	18:36	6.17	19.5	1069	25	0.2	0.03	2609	2550	✓
	C23.12-6	18:57	6.39	19.9	2013	211	-ve	-	594	564	✓
	A.14-1	19:18	6.37	19.3	652	13	1.5	0.30	2626	2536	✓
	A.15-1	19:38	6.15	19.9	129	7.5	-ve	-	1159	1144	✓
	A.16-1	19:58	6.33	19.6	779	16.7	0.1	0.01	2597	2570	✓
	A.17-1	20:17	6.35	19.2	998	22	0.8	0.01	2557	2539	✓
	A.18-1	20:39	6.25	19.6	324	7	-ve	-	2565	2550	✓
	C23.12-7	20:59	5.86	19.4	1717	254	0.2	0.02	578	579	✓
	A.19-1	21:22	6.16	20.0	4526	106	1.0	0.03	2554	2551	✓
	C23.12-8	21:43	6.26	19.4	1954	227	-ve	-	590	584	✓
	A.20-1	22:05	6.00	19.3	8567	305	5.1	0.07	1993	1979	✓
	A.21-1	22:24	6.21	19.3	1679	67	0.7	0.06	1632	1644	✓
	A.22-1	22:45	6.44	19.4	1703	87	1.0	0.09	1166	1120	

small grain

contaminant?

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?

	A.23-1	23:04	6.28	19.2	817	18	0.9	0.13	2603	2535	✓
	A.24-1	23:25	6.19	19.4	265	6	-ve	-	2679	2608	✓
	C23.12-9	23:46	6.10	19.1	1771	235	0.3	0.02	573	609	✓
	A.25-1	00:08	6.27	19.7	1203	42	1.3	0.15	1735	1681	✓
	A.26-1	00:25	6.08	19.0	2936	75	1.9	0.07	2577	2546	✓
	A.27-1	00:44	6.08	19.4	946	70	-ve	-	990	1008	✓
	A.28-1	01:03	6.26	20.0	1161	26	0.6	0.06	2631	2534	✓
	A.29-1	01:23	6.35	19.6	617	13	1.3	0.28	2598	2507	✓
	C23.12-10	01:42	6.24	19.3	1939	234	-ve	-	581	569	✓

Cancelled. Not Zircon.
Aborted.

C.1-1
C.2-1

Calibration Std

C23.12-11

02:53

6.23

19.5

1937

-

0.5

0.05

-

550

✓

x High 204

C.3-1

03:14

5.43

18.4

3359

232

924

22

1191

2293

✓

Aborted - High 204

C.4-1

C.5-1

03:41

5.81

18.6

2537

75

1.2

0.05

2595

2564

✓

C.6-1

04:00

6.24

19.6

3206

154

16.8

0.77

1263

1848

✓

C23.12-12

04:18

6.09

19.8

1868

233

-ve

-

555

602

✓

Aborted - High 204

C.7-1

04:51

5.92

20.4

3675

101

26.3

0.84

2309

2563

✓

Aborted HV tripped

C.8-1

C.9-1

05:32

6.06

16.5

2508

106

50

2.1

1774

2542

✓

C.10-1

05:53

6.40

17.1

2092

82

3.0

0.2

1602

1660

✓

C23.12-13

06:14

6.29

17.2

1709

219

0.1

0.01

561

571

✓

C.11-1

06:36

6.24

19.4

3686

116

160

5.6

1785

2581

✓

C.12-1

06:57

6.15

16.7

2688

69

1.9

0.08

2628

2552

✓

High 204 →

C.13-1

07:15

6.50

18.6

4290

154

260

8.7

1421

2514

✓

