

UWA SHRIMP DATA LOG

Date: 14/6/00 UWA Mount No.: 99-11 Whose sample? Operator(s)

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 = 66v/14nA for O⁻; = 42/1.9 for O₂⁻; = 35/312 for NO⁻

dead-time = 32 nanosecs expected resolution = >4200 actual resolution = 4774

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 = 8.169 204-bkg = 0.045 204-206 = _____ Sens = 18.0
 206-207 = _____ 206-208 = 1.999

Primary-epoxy = 1.8 nA Primary-CZ3 = 2-3 nA PESABM-CZ3 = 39 pA

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

Comments: Population B (E229 - Yandal sst)
Standards (excluding 8-1, 8-2)
n = 10
error = 1.40% (slope = 2)
Actual slope = 2.14

These two lie off the calibration line.

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	<u>CZ. 8-1</u>	<u>14:10</u>	<u>6.52</u>	<u>11.4</u>	<u>866</u>	<u>220</u>	<u>1.2</u>	<u>0.1</u>	<u>572</u>	<u>541</u>	✓
	<u>CZ. 8-2</u>	<u>14:36</u>	<u>6.68</u>	<u>11.1</u>	<u>925</u>	<u>218</u>	<u>-0.7</u>	<u>-</u>	<u>587</u>	<u>438</u>	✓
	<u>CZ. 8-3</u>	<u>15:02</u>	<u>6.28</u>	<u>14.3</u>	<u>1463</u>	<u>264</u>	<u>-0.4</u>	<u>-</u>	<u>715</u>	<u>608</u>	✓
	<u>CZ. 8-4</u>	<u>15:23</u>	<u>6.67</u>	<u>13.6</u>	<u>1541</u>	<u>220</u>	<u>0.7</u>	<u>0.06</u>	<u>572</u>	<u>584</u>	✓
<u>238-1</u>	<u>B. 16-1</u>	<u>15:54</u>	<u>6.51</u>	<u>13.9</u>	<u>490</u>	<u>13</u>	<u>1.1</u>	<u>0.22</u>	<u>2658 ± 24</u>	<u>2666 ± 21</u>	
	<u>B. 17-1</u>	<u>16:16</u>	<u>6.74</u>	<u>13.1</u>	<u>910</u>	<u>24</u>	<u>1.0</u>	<u>0.11</u>	<u>2649 ± 17</u>	<u>2686 ± 15</u>	
	<u>B. 18-1</u>	<u>16:34</u>	<u>6.44</u>	<u>13.0</u>	<u>1006</u>	<u>29</u>	<u>5.2</u>	<u>0.46</u>	<u>2769 ± 16</u>	<u>2593 ± 15</u>	
	<u>CZ. 5-1</u>	<u>16:55</u>	<u>6.62</u>	<u>13.6</u>	<u>1496</u>	<u>224</u>	<u>2.3</u>	<u>0.20</u>	<u>557</u>	<u>638</u>	

cladding / did not do calib. stds. ... adjust ... OK

Allen Adjusted collector to increase sensitivity

Calib. 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?
	B.19-1	17:14	6.57	13.0	1111	33	1.6	-13	2582 ± 14	2672 ± 15	
	B.20-1	17:36	6.75	13.4	259	6.6	1.8 ^{0.75}	1.8 ^{0.75}	2631 ± 32	2626 ± 40	
	B.21-1	17:56	6.62	13.8	879	23	0.0	-	2612 ± 16	2695 ± 12	
	B.22-1	18:14	6.83	13.8	2149	52	7.2	-37	2601 ± 11	2691 ± 10	
	CZ.5-2	18:34	6.42	13.6	1419	236	-1.4	-	549	623	✓
238-1	B.23-1	18:54	6.00	11.6	378	16	0.7	.11	2650 ± 26	2709 ± 24	
	B.24-1	19:13	6.42	12.1	507	18	0.5	-0.9	2534 ± 20	2643 ± 18	
	B.25-1	19:33	6.60	14.7	1509	45	9.6	6.8	2140 ± 11	2663 ± 32	
	B.26-1	19:52	7.25	12.2	856	19	15	2.0	2635 ± 19	2679 ± 25	
	B.27-1	20:13	6.34	13.9	1002	26	4.6	.47	2628 ± 16	2710 ± 16	
	CZ.5-3	20:33	6.52	13.7	1473	230	0.3	.03	557	614	
238/1	B.28-1	20:52	6.11	13.9	582	22	11.6	1.6	2403 ± 19	2650 ± 27	
	B.29-1	21:17	6.56	14.0	1236	35	6.9	-56	2539 ± 13	2671 ± 14	
	B.30-1	21:37	6.67	13.4	231	6.4	1.7	-75	2527 ± 31	2664 ± 41	
	B.31-1	21:57	6.35	14.2	880	26	2.8	-29	2620 ± 16	2718 ± 17	
	B.32-1	22:16	6.57	13.6	1440	40	1.0	-0.7	2604 ± 13	2689 ± 11	
	CZ.11-1	22:40	6.46	13.5	1448	234	1.2	.09	561	572	✓
	B.33-1	23:01	5.16	8.3	230	22	-2.2	-	2860 ± 33	2644 ± 24	
	B.33-2	23:22	6.18	12.5	945	37	2.2	.17	2459 ± 14	2692 ± 14	
	B.34-1	23:40	6.54	13.3	1142	35	1.7	.14	2504 ± 13	2699 ± 12	
	B.35-1	00:00	6.41	13.7	1216	36	2.2	.16	2647 ± 14	2689 ± 12	
	B.36-1	0:20	6.44	13.4	331	9.8	1.0	.28	2647 ± 27	2688 ± 24	
	CZ.11-2	0:43	6.44	14.4	1502	232	-0.3	.02	556	581	
238-1 40-1	B.37-1	1:03	4.86	13.7	495	23	2.9	.19	4051 ± 40	2691 ± 20	
	B.38-1	1:22	6.18	14.3	1541	47	-0.9	-	2716 ± 13	2720 ± 9	

Core 8 Rim.

CO2
678

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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)		Offsets OK?
									206/238	207/206	
	B.39-1	1:44	6.23	13.8	1558	49	3.9	.21	2649 ± 12	2678 ± 12	
	B.40-1	2:02	6.70	13.5	1085	28	1.6	.15	2640 ± 15	2659 ± 14	
	B.41-1	2:21	6.39	14.1	1048	30	1.5	-.13	2652 ± 15	2694 ± 14	
	CZ.11-3	2:42	6.45	13.9	1516	234	0.7	-.06	572	559	
	B.42-1	3:02	6.24	13.6	1205	41	28	1.9	2512 ± 14	2677 ± 20	
	B.43-1	3:20	7.02	13.5	1751	61	119	8.0	1715	2721 ± 30	
206-1 238-1	B.44-1	3:40	6.21	14.1	282	9.0	3.8	1.1	2592 ± 30	2634 ± 38	
	B.45-1	4:00	6.64	13.6	518	15	6.0	1.2	2483 ± 20	2624 ± 26	
	B.46-1	4:22	6.47	13.7	1907	54	-ve	-	2659 ± 11	2681 ± 8	
	CZ.9-1	4:50	6.49	13.8	1462	227	6.3	-.51	563	653	✓
206-1 238-1	B.47-1	5:11	6.62	13.4	1057	28	-ve	-	2727 ± 18	2672 ± 11	
	B.48-1	5:30	6.50	13.4	1087	35	18.2	1.6	²³⁸¹ 2381 ± 13	2636 ± 20	
	B.49-1	5:49	6.64	13.6	1486	40	0.7	.05	2655 ± 13	2695 ± 10	
	B.50-1	6:08	6.37	13.8	321	9.1	-ve	-	2742 ± 30	2652 ± 20	
	CZ.2-1	6:28	6.52	13.8	1509	229	2.0	.16	565	549	✓

Setup 14/6/00

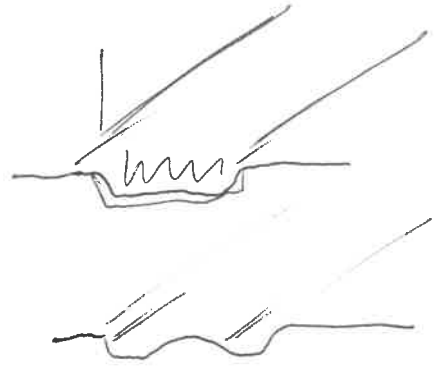
1 Scan
= 107 sec.
10.7 m.

Condenser +2497



Köhler 1751

~~2502~~



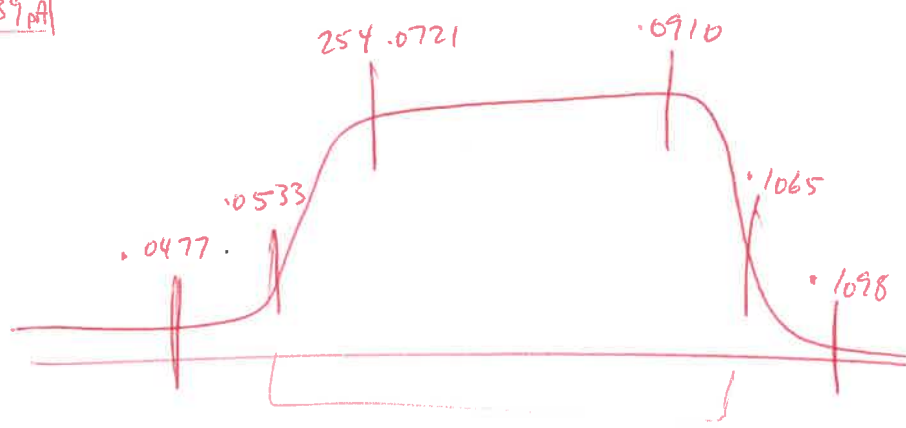
	Orig.		
Cond	2497	2492	2497
Köh	1751	1781	2101
			4070

	NO_2^-	O_2^-	O^-
epox steel	43V/3.3	52V/1.7	78V/11
steel steel	35V/3.2	42V/1.9 nA	66V/14 nA
D23		42V/2.3 nA	
C23 PESA		42/2.3	

8.169 ✓
0.045 ✓

FT = 0.0189
LT = 0.0244
HT = 0.0188
Base = 0.0532

Sens = 18



FT/B = 0.36
HT/LT = 0.77
AM/M = 4774

