

UWA SHRIMP DATA LOG

Date: 10/8/01 UWA Mount No.: B-29 Whose sample?: BK + NK Operator(s): McN + NK

Indicate any change to the following: 196 204 bkg 206 207 208 238 248 254 270
 Precambrian Count time (secs): 2 10 10 10/29* 30/10* 10 5 5 2
 Phanerozoic* Delay time (secs): 8 3 1 2 1 1 3 2 2

Steel: Wein volts / nA = 4V/1.71/12.5 for NO_2^- ; = 5.3V/2.18/5.0 for O_2^- ; = 80V/329/23 for NO^-

dead-time = 32 nanosecs expected resolution = >4200 actual resolution = 4704
 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 = ~2.000 ± 5
 206-207 = 1.000 206-208 = 2.000

Primary-epoxy = 5.4 nA Primary-CZ3 = 6.05 nA PESABM-CZ3 = 77 pA

Raster time (mins): 1 Raster aperture (microns): 60 No. of scans: 6 for AB
5 " BA

Comments: BA = Dayley - BK
AB = WK-2 - NK → add HF = 196 HfO₂

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>C2.9-1</u>	<u>10:17</u>	<u>6.19</u>	<u>33</u>	<u>2900</u>	<u>238</u>	<u>0.4</u>	<u>.03</u>	<u>572 ± 3</u>	<u>543 ± 19</u>	<u>✓</u>
	<u>C2.9-2</u>	<u>10:37</u>	<u>6.31</u>	<u>32</u>	<u>3000</u>	<u>251</u>	<u>0.4</u>	<u>.03</u>	<u>587 ± 3</u>	<u>534 ± 18</u>	<u>✓</u>
	<u>A.6-1</u>	<u>10:57</u>	<u>6.17</u>	<u>33</u>	<u>850</u>	<u>11</u>	<u>-0.1</u>	<u>-ve</u>	<u>3104 ± 47</u>	<u>3113 ± 11</u>	<u>✓</u>
	<u>A.4-1</u>	<u>11:15</u>	<u>6.26</u>	<u>33</u>	<u>2600</u>	<u>32</u>	<u>-0.2</u>	<u>-ve</u>	<u>3165 ± 28</u>	<u>3086 ± 9</u>	<u>✓</u>
	<u>C2.9-3</u>	<u>---</u>	<u>---</u>	<u>COMPUTER LOCKUP</u>			<u>→ restart</u>				
	<u>C2.9-4</u>	<u>12:10</u>	<u>6.38</u>	<u>31</u>	<u>3100</u>	<u>251.5</u>	<u>-0.3</u>	<u>-</u>	<u>585 ± 3.1</u>	<u>573 ± 15.6</u>	<u>✓</u>
	<u>C2.9-5</u>	<u>12:27</u>	<u>6.45</u>	<u>30</u>	<u>3100</u>	<u>258.2</u>	<u>0.3</u>	<u>.00021</u>	<u>590 ± 67</u>	<u>544 ± 29.7</u>	<u>✓</u>

* Hfruntable
 save runtable for Doyley-
 load → zirc → Hfr today's date 10/8

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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) 206/238	207/206	Offsets OK?
	B1-1	12.46	6.60	30	6200	105.3	0.4	.00017	2447 ± 14	2435 ± 6.7	✓
	B2-1	13.08	6.31	32	6300	103.7	0.0	.00002	2470	2442	✓
	B3-1	13.27	6.42	31	7400	119.8	0.7	.00022	2542 ± 47	2425 ± 8	✓
	B4-1	13.48	6.20	30	7400	129.2	0.0	.00001	2560 ± 13	2444 ± 5	✓
	B5-1	14.05	6.42	29	5100	86.5	-0.2	-	2566 ± 16	2446 ± 7	✓
	C29-6	14.23	6.36	31	3100	25.7	-0.7	-	585 ± 3	596 ± 18	✓
	B6-1	14.43	6.24	31	5100	85.6	0.4	.00016	2544 ± 29	2453 ± 10	✓
	B7-1	15.01	6.33	31	4700	78.8	0.1	.00005	2513 ± 18	2457 ± 6	✓
	B8-1	15.25	6.59	29	6100	105.8	0.9	.00032	2490 ± 15	2432 ± 6	✓
	B9-1	15.43	6.40	31	5600	94	-0.2	-	2508 ± 15	2437 ± 6	✓
	B10-1	16.00	6.36	31	5200	86.8	0.3	.00015	2508 ± 15	2444 ± 6	✓
	C29-7	16.18	6.45	29	3000	261.5	0.9	.00065	599 ± 3	510 ± 18	✓
	B11-1	16.36	6.51	30	6200	106.1	0.6	.00022	2490 ± 15	2455 ± 6	✓
	B12-1	16.53	6.43	29	7200	123.7	0.2	.00007	2527 ± 12	2440 ± 5	✓
	B13-1	17.11	6.30	31	6000	98.5	0.6	.00024	2527 ± 14	2442 ± 6	✓
	B14-1	17.28	6.42	31	5700	95.8	1.2	.00049	2465 ± 15	2452 ± 7	✓
	B15-1	17.46	6.34	31	7600	126.9	0.4	.00014	2499 ± 12	2440 ± 5	✓
	C2-8-1	18.04	6.41	30	3100	258.5	-0.4	-	581 ± 3	599 ± 25	✓
	B16-1	18.23	6.34	30	6400	109	-0.5	-	2534 ± 13	2431 ± 6	✓
	B17-1	18.41	6.44	30	7500	126.7	-0.4	-	2509 ± 13	2446 ± 5	✓
	B18-1	18.58	6.30	31	5500	87.1	1.0	.00043	2530 ± 14	2447 ± 7	✓
	B19-1	19.15	6.18	31	6400	106.9	0.3	.00010	2544 ± 15	2447 ± 6	✓
	B20-1	19.35	6.45	31	4900	81	-0.0	-	2497	2445	✓
	→ CENTRE										
	A1-1	20	6.64	30	2400	29.9	-0.9	-	3136 ± 39	3073 ± 9	✓

195.69233
 06 205.86081
 00 253.92142

offsets →
 esp. 204 - 206 ±(1.9)

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?
	A2-1	20:17	6.49	29	3600	46.8	-0.3	-	3219 ± 36	3073 ± 6	✓
	C2.8-2	20:34	6.45	31	3100	24.1	-0.7	-	585 ± 32	552 ± 25	✓
	A3-1	20:49	6.18	32	4100	51.5	-0.1	-	3148	3084	✓
	A4-1	21:05	6.30	31	1700	20.7	0.1	0.0012	3310	3151	✓
	A5-1	21:21	6.44	30	3500	43.5	-0.1	-	3176	3065	✓
	A6-1	21:36	6.44	31	3200	39.5	1.0	0.0015	3170 ± 28	3072 ± 7	✓
	A7-1	21:51	6.22	32	1800	19.6	0.1	0.0013	3520 ± 44	3387 ± 8	✓
	C2.8-3	22:08	6.42	30	2900	253.5	0.4	0.0032	575 ± 3	586 ± 23	✓
	A8-1	22:23	6.47	31	3200	37.9	0.2	0.0019	3175 ± 31	3058 ± 6	✓
	A9-1	22:38	6.37	31	1100	13	0.1	0.0016	3132	3019	✓
	A10-1	22:54	6.56	29	5000	54.6	0.1	0.0007	3347 ± 24	3369 ± 5	✓
	A11-1	23:11	6.38	32	2500	30.5	0.4	0.0037	3123 ± 31	3061 ± 7	✓
	A12-1	23:26	6.54	31	1300	15.4	0.6	0.0110	3127 ± 57	3087 ± 11	✓
	C2.8-4	23:42	6.36	32	3100	255.3	0.0	0.0003	575	545	✓
	A13-1	23:58	6.42	31	4200	52.8	0.1	0.0005	3099 ± 23	3062 ± 5	✓
	A14-1	00:13	6.59	31	1600	19.9	-0.5	-	3118 ± 41	3076 ± 11	✓
	A15-1	00:33	6.62	31	4100	49.4	0.1	0.0007	3114 ± 33	3073 ± 7	✓
	A16-1	00:49	6.34	32	3100	35.1	-0.5	-	3360 ± 33	3308 ± 7	✓
	A17-1	01:05	6.55	30	6200	8.0	0.4	0.0153	3113 ± 69	3070 ± 26	✓
	A18-1	1:21	6.56	29	2000	23.6	0.2	0.0023	3366 ± 38	3297 ± 8	✓
	C2.8-5	1:36	6.37	32	3100	255.1	0.6	0.0045	569 ± 4	509 ± 24	✓
	A19-1	1:53	6.68	30	2500	31.1	0.3	0.0026	3082 ± 31	3058 ± 7	✓
	A20-1	2:09	6.58	30	2800	34.8	0.4	0.0036	3126 ± 33	3075 ± 7	✓
	A21-1	2:25	6.49	30	8300	10.6	0.8	0.0213	3138 ± 76	3009 ± 19	✓
	A22-1	2:40	6.44	31	2200	27.4	0.1	0.0008	3167 ± 34	3087 ± 8	✓

