

### UWA SHRIMP DATA LOG

Date: 29/11/99      UWA Mount No.: 99-29      Whose sample?: M. Doyle      Operator(s): IF+MD

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 = 81/13.5 for O<sup>-</sup>; = 58/2.2 for O<sub>2</sub><sup>-</sup>; = 48/6.7 for NO<sup>-</sup>  
 dead-time = 32 nanosecs      expected resolution = >4200      actual resolution = 4774

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 = 8.169      204-bkg = 0.045      204-206 = 1.998  
 206-207 = 1.000      206-208 = 2.000      Sensitivity = 12

Primary-epoxy = 2.2 nA      Primary-CZ3 = 3.0 nA      PESABM-CZ3 = 37 pA

Raster time (mins): 2      Raster aperture (microns): 120      No. of scans: 4

Comments: B = R20478

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	<sup>204</sup> Pb ppb	f <sub>206</sub> %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	<u>CZ-2-1</u>	<u>11:42</u>	<u>7.52</u>	<u>8.1</u>	<u>1116</u>	<u>-</u>	<u>7.1</u>	<u>.61</u>	<u>-</u>	<u>X</u>	<u>✓</u>
	<u>CZ-2-2</u>	<u>11:56</u>	<u>7.23</u>	<u>8.1</u>	<u>1076</u>	<u>237</u>	<u>1.6</u>	<u>.13</u>	<u>570</u>	<u>580</u>	<u>-</u>
	<u>B.41-1</u>	<u>12:13</u>	<u>7.55</u>	<u>7.9</u>	<u>279</u>	<u>144</u>	<u>2.0</u>	<u>.52</u>	<u>227</u>	<u>-</u>	<u>-</u>
	<u>B.42-1</u>	<u>12:33</u>	<u>7.34</u>	<u>8.1</u>	<u>476</u>	<u>257</u>	<u>0.8</u>	<u>.16</u>	<u>229</u>	<u>-</u>	<u>-</u>
	<u>B.43-1</u>	<u>12:47</u>	<u>7.54</u>	<u>8.1</u>	<u>274</u>	<u>141</u>	<u>3.2</u>	<u>.86</u>	<u>222±1</u>	<u>-</u>	<u>✓</u>
	<u>CZ-2-3</u>	<u>13:01</u>	<u>7.52</u>	<u>7.9</u>	<u>1103</u>	<u>224</u>	<u>1.1</u>	<u>.09</u>	<u>564±2</u>	<u>-</u>	<u>✓</u>
	<u>B.44-1</u>	<u>13:22</u>	<u>7.32</u>	<u>7.9</u>	<u>167</u>	<u>97</u>	<u>4.6</u>	<u>1.9</u>	<u>215±2</u>	<u>-</u>	<u>✓</u>
	<u>B.45-1</u>	<u>13:40</u>	<u>7.0</u>	<u>8.0</u>	<u>214</u>	<u>135</u>	<u>0.8</u>	<u>-</u>	<u>229±1</u>	<u>238±108</u>	<u>✓</u>

Mount/sample No: 99-293

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Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f206 %	Age $\pm 1\sigma$ (Ma) 206/238	207/206	Offsets OK?
	46-1	13:56	6.9	15.97	88	54	0.3	.19	226 $\pm$ 2	—	✓
	47-1	14:12	7.2	8.3	129	62	14.5	7.7	244 $\pm$ 4	—	✓
	C21-1	14:31	7.1	8.5	1081	234	—	—	573	—	✓
	48-1	14:46	7.6	7.6	224	111	—	—	240 $\pm$ 1	349 $\pm$ 101	✓
	49-1	15:00	7.54	8.1	168	78	2.6	1.2	245 $\pm$ 2	—	✓
	50-1	15:15	<del>6.9</del> 8.0	6.9	455	202	—	.01	258 $\pm$ 1	228 $\pm$ 76	✓
→	C21-2	15:30	7.4	8.2	1068	228	2.2	.19	554 $\pm$ 2	518 $\pm$ 61	✓
→ +ve spike	51-1	15:45	<del>7.4</del> 8	8.1	168	85	1.6	.70	234 $\pm$ 2	—	✓
	52-1	16:04	7.06	8.8	132	67	1.4	.73	246 $\pm$ 2	—	✓
→ -ve drift during anal.	53-1	16:25	6.7	8.6	97	52	—	—	251 $\pm$ 1	309 $\pm$ 153	✓
→ stable.	C21-3	16:43	6.7	8.2	929	258	—	—	549 $\pm$ 2	675 $\pm$ 45	✓
	54-1	16:58	7.15	8.2	261	135	2.5	.62	253 $\pm$ 1	—	✓
→ -ve drift during anal.	55-1	17:14	7.53	7.7	59	29	2.8	4.4	235 $\pm$ 7	—	✓
→ stable	56-1	17:33	7.39	7.0	79	42	—	—	263 $\pm$ 1	158 $\pm$ 177	✓
→ Round grain.	57-1	17:50	7.41	6.7	1002	157	—	—	878 $\pm$ 4	1079 $\pm$ 38	✓
	58-1	18:09	7.40	7.3	435	196	1.04	<del>1.08</del> 1.08	296	267	✓
	59-1	18:28	7.46	6.9	106	59	—	—	244 $\pm$ 1	—	✓
	C21-4	18:44	7.08	7.1	894	257	0.3	<del>50</del> 0.02	527 $\pm$ ?	—	✓
	60-1	19:07	7.32	7.1	273	167	—	<del>2.5</del> 2.5	238 $\pm$ 1	308 $\pm$ 94	✓
	61-1	19:23	7.12	5.9	187	163	1	.3	213 $\pm$ 1	—	✓
	62-1	19:40	7.6	6.8	219	121	3.0	1.2	237 $\pm$ 2	—	✓
	63-1	20:00	7.4	6.9	1012	235	—	—	587 $\pm$ 2	—	✓
	64-1	20:21	7.47	7.05	168	96	—	—	236 $\pm$ 1	—	✓
	65-1	20:54	7.4	7.0	169	100	—	—	232 $\pm$ 1	—	✓
	C21-5	21:22	7.1	7.3	904	241	—	—	545 $\pm$ 2	621 $\pm$ 46	✓

