

UWA SHRIMP DATA LOG

Date: 27/6/04 UWA Mount No.: 03-121 Whose sample?: RV Operator(s): MB
03-124

Indicate any change to the following: ^{202 263} ~~196~~ 204 bkg 206 207 208 ²³² ~~238~~ ²⁵⁴ ~~248~~ ²⁶⁴ ~~254~~ 270

Precambrian Count time (secs): ² ~~2~~ ¹⁰ ~~10~~ ¹⁰ ~~10~~ ³⁰ ~~30~~ ²⁰ ~~10~~ ⁵ ~~5~~ ² ~~2 ² ~~2~~
 Phanerozoic* Delay time (secs): 8 3 1 2 1 1 3 2 2~~

Steel: Wein volts / nA = for O⁻; = for O₂⁻; = for NO⁻
 dead-time = 25 nanosecs expected resolution = >4200 actual resolution = 5422
 aperture = 30 microns retardation lens = 10008 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: ²⁰³ ~~196~~-204 = 1.11 204-bkg = 0.045 204-206 = 2.00
 206-207 = 1.006 206-208 = 2.01

Primary-epoxy = 0.18 nA Primary-CZ3 = 0.24 nA PESABM-CZ3 = pA
 Raster time (mins): 2.0 Raster aperture (microns): 90 No. of scans: 7

Comments: -2° peak very slightly skewed to low side, but peak top is flat + wide.

* 1° dipped badly during analysis 0095-2-1 (scans 3/4)

Standard mount 03-94

| Rejection over-ride | Sample/ Std ID | Time - printout | UO/UO ²⁰³ | ¹⁹⁶ Kcps | 206 cps | UO ₂ | ²⁰⁴ Kcps | ⁷⁰² Kcps | Age ± 1σ (Ma) | Offsets OK? | |
|---------------------|--------------------|-----------------|----------------------|---------------------|---------------|-----------------|---------------------|---------------------|----------------|---------------|----------|
| | | | | | | | | | 206/208 254 | 207/206 | |
| | <u>Fv. 1-1</u> | <u>12:18</u> | <u>1.2762</u> | <u>2132</u> | <u>21444</u> | <u>9567</u> | <u>2</u> | <u>182</u> | <u>0.1907</u> | <u>0.0597</u> | <u>✓</u> |
| | <u>03-121B.3-1</u> | <u>13:03</u> | <u>1.2232</u> | <u>1944</u> | <u>761</u> | <u>2329</u> | <u>0</u> | <u>20.4</u> | <u>0.0266</u> | <u>0.0788</u> | <u>✓</u> |
| | <u>03-121B.1-1</u> | <u>13:30</u> | <u>1.2570</u> | <u>1947</u> | <u>686</u> | <u>1991</u> | <u>1</u> | <u>33.0</u> | <u>0.0265</u> | <u>0.0918</u> | <u>✓</u> |
| | <u>0095.1-1</u> | <u>13:54</u> | <u>1.1625</u> | <u>2120</u> | <u>773454</u> | <u>91457</u> | <u>5</u> | <u>302</u> | <u>0.6555</u> | <u>0.1060</u> | <u>✓</u> |
| | <u>03-121C.2-1</u> | <u>14:34</u> | <u>1.2270</u> | <u>1786</u> | <u>899</u> | <u>2654</u> | <u>3</u> | <u>5.13</u> | <u>0.0276</u> | <u>0.1468</u> | <u>✓</u> |
| | <u>03-121D.1-1</u> | <u>16:04</u> | <u>1.2518</u> | <u>1998</u> | <u>1247</u> | <u>2272</u> | <u>9</u> | <u>5.75</u> | <u>0.0466</u> | <u>0.3969</u> | <u>✓</u> |
| | <u>Fv. 1-2</u> | <u>16:35</u> | <u>1.2651</u> | <u>2112</u> | <u>21745</u> | <u>9478</u> | <u>4</u> | <u>182</u> | <u>0.1935</u> | <u>0.0638</u> | <u>✓</u> |
| | <u>2Ma. 1-1</u> | <u>16:58</u> | <u>1.3203</u> | <u>2302</u> | <u>21173</u> | <u>9541</u> | <u>0</u> | <u>6097</u> | <u>0.1953</u> | <u>0.0579</u> | <u>✓</u> |

| Rejection over-ride | Sample/ Std ID | Time - printout | U ²³⁵ /U ²³⁸ Kcps | 206 cps | U ²³⁵ ppm | 204Pb ppb | Th ²³² 206 % Kc | Age ±1σ (Ma) 206/238 254 | 207/206 | Offsets OK? | |
|------------------------|-------------------|--------------------|--|------------|-------------------------|--------------|-------------------------------------|--------------------------------|---------|----------------|---|
| | 03-1217.1-1 | 17:30 | 1.3260 | 1954 | 642 | 1810 | 0 | 9.3 | 0.0314 | 0.1752 | ✓ |
| | 0095.1-2 | 17:57 | 1.1488 | 1909 | 781440 | 93256 | 6 | 33541 | 0.6418 | 0.1054 | ✓ |
| | 03-1218.1-1 | 18:28 | 1.1214 | 2254 | 1921 | 4887 | 9 | 13.6 | 0.0294 | 0.2108 | ✓ |
| | Fv.1-3 | 18:54 | 1.2453 | 2166 | 22044 | 9586 | 2 | 187 | 0.1909 | 0.0602 | ✓ |
| | 03-1216.1-1 | 19:31 | 0.0567 | 1002 | 1238 | 2143 | 11 | 2137 | 0.0407 | 0.5658 | ✓ |
| | 0095.1-3 | 19:56 | 1.2143 | 1971 | 1705172 | 193286 | 25 | 241 | 0.7142 | 0.1049 | ✓ |
| | 03-121E.1-4 | 20:34 | 1.3472 | 1535 | 3121 | 9680 | 6 | 24.9 | 0.0290 | 0.1024 | ✓ |
| | Fv.1-4 | 20:59 | 1.2373 | 2116 | 21883 | 9523 | 6 | 187 | 0.1889 | 0.0583 | ✓ |
| | 03-121F.1-1 | 21:30 | 1.1708 | 1187 | 7042 | 10701 | 5 | 2.11 | 0.02217 | 0.0838 | ✓ |
| | 0095.1-2 | 21:54 | 1.3024 | 2134 | 14744 | 6716 | 1 | 78.6 | 0.1913 | 0.0595 | ✓ |
| | 03-121E.1-2 | 22:23 | 1.1583 | 1574 | 2017 | 6558 | 8 | 7.32 | 0.0238 | 0.1487 | ✓ |
| | Fv.1-5 | 22:48 | 1.2432 | 2099 | 21318 | 9504 | 9 | 183 | 0.1852 | 0.0626 | ✓ |
| | 03-121E.1-3 | 23:23 | 1.0891 | 972 | 1119 | 3398 | 5 | 2771 | 0.0239 | 0.2091 | ✓ |
| | 0095.1-4 | 23:49 | 1.1117 | 1976 | 7866 | 94610 | 5 | 366 | 0.6154 | 0.1051 | ✓ |
| | Fv.1-6 | 00:24 | 1.2470 | 2130 | 21056 | 9458 | 3 | 184 | 0.1851 | 0.0620 | ✓ |
| | 03-124G.1-1 | 00:50 | 1.3583 | 1818 | 1422 | 4735 | 0 | 10.8 | 0.0272 | 0.0854 | ✓ |
| | Fv.1-7 | 01:20 | 1.2567 | 2194 | 22349 | 9856 | 6 | 188 | 0.1899 | 0.0603 | ✓ |
| | 03-124R.1-1 | 01:50 | 1.2039 | 1758 | 1001 | 2055 | 6 | 8641 | 0.0423 | 0.1274 | ✓ |
| | 0095.2-1 | 02:15 | 1.1632 | 2080 | 522K | 58910 | 9 | 268 | 0.6871 | 0.1041 | ✓ |
| | 03-124C.1-3 | 02:55 | 1.3362 | 1708 | 1126 | 2651 | 9 | 47.9 | 0.0378 | 0.2451 | ✓ |
| | 03-1240.1-1 | 03:22 | 1.3341 | 2137 | 971 | 3326 | 5 | 12.9 | 0.0260 | 0.0757 | ✓ |
| | Fv.1-8 | 03:47 | 1.2484 | 2162 | 22340 | 9844 | 10 | 190 | 0.1889 | 0.0624 | ✓ |
| | 03-124K.1-1 | 04:14 | 1.2585 | 2177 | 748 | 1076 | 7 | 6.8 | 0.0593 | 0.4913 | ✓ |
| | 03-124H.1-1 | 04:41 | 1.1920 | 1544 | 842 | 2142 | 4 | 8.74 | 0.0312 | 0.2694 | ✓ |
| | Fv.1-9 | 05:05 | 1.2674 | 2215 | 22953 | 10220 | 6 | 198 | 0.1898 | 0.0618 | ✓ |

03-121 OUT

slant
change

03-124 IN

1° dipped
majorly during
scan 3/4



| Rejection over-ride | Sample/ Std ID | Time - printout | UQ/UO | ²⁰³ 196 Kcps | 206 cps | UO ₂ ppm C | 204Pb ppm C | ^{Th₂} 206 % Kc | Age ±1σ (Ma) | | Offsets OK? |
|------------------------|-------------------|--------------------|----------------|-------------------------------|------------|-----------------------------|---------------------|---|--------------|--------|----------------|
| | | | 2 | 206/208 254 | 207/206 | | | | | | |
| | 03-124E.1-1 | 05:32 | 1.3227 | 1452 | 4346 | 15121 | 3 | 11.2 | 0.0253 | 0.0649 | ✓ |
| | QMa.1-3 | 05:57 | 1.2980 | 2541 | 14511 | 6757 | 4 | 93.4 | 0.1858 | 0.0636 | ✓ |
| | AP95.2-2 | 06:35 | 1.1797 | 2154 | 45410 | 5613 | 20 | 286 | 0.6361 | 0.1045 | ✓ |
| | 03-124E.1-1 | 07:01 | 1.2916 | 2095 | 851 | 2689 | 5 | 14.7 | 0.0272 | 0.1234 | ✓ |
| | 03-124E.1-2 | 07:25 | 1.2242 | 2111 | 1570 | 5117 | 2 | 38.9 | 0.0250 | 0.0908 | ✓ |
| | Fr. H0 | 07:49 | 1.2406 | 2348 | 27977 | 10608 | 205 4 | 205 | 0.1869 | 0.0622 | ✓ |
| | 03-124E.1-1 | 08:42 | 1.3786 | 1612 | 724 | 1806 | 3 | 27 | 0.0368 | 0.2341 | ✓ |
| | Fr. 1-11 | 09:04 | 1.2060 | 2327 | 20261 | 10587 | 6 | 208 | 0.1842 | 0.0593 | ✓ |
| | | | END OF SESSION | | | | | | | | |