

### UWA SHRIMP DATA LOG

Date: 13/2/00      UWA Mount No.: 98-61      Whose sample?: AGSO      Operator(s): McN + AR

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 = 56V/15.0 for O<sup>-</sup>; = 34V/2.5 for O<sub>2</sub><sup>-</sup>; = 24V/5.1 for NO<sup>-</sup>

dead-time = 32 nanosecs      expected resolution = >4200      actual resolution = 4980

aperture = ? 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 = ~1.997

206-207 = 1.000      206-208 = 2.000      Sensitivity = 22.4

Primary-epoxy = 2.4 nA      Primary-CZ3 = 3.2 nA      PESABM-CZ3 = 52 pA

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

Comments:

| Rejection over-ride | Sample/ Std ID | Time - printout | UO/U        | 196 Kcps    | 206 cps     | U ppm       | 204Pb ppb   | f206 %     | Age ±1σ (Ma) 206/238 | Age ±1σ (Ma) 207/206 | Offsets OK? |
|---------------------|----------------|-----------------|-------------|-------------|-------------|-------------|-------------|------------|----------------------|----------------------|-------------|
|                     | <u>S1.3-1</u>  | <u>10:30</u>    | <u>6.70</u> | <u>19.6</u> | <u>2299</u> | <u>220</u>  | <u>0.9</u>  | <u>.08</u> | <u>572 ± 1</u>       | <u>545 ± 21</u>      | <u>✓</u>    |
|                     | <u>S1.3-2</u>  | <u>10:50</u>    | <u>6.52</u> | <u>20.2</u> | <u>2283</u> | <u>227</u>  | <u>0.1</u>  | <u>.01</u> | <u>579 ± 1</u>       | <u>509 ± 17</u>      | <u>✓</u>    |
|                     | <u>C.1-1</u>   | <u>11:09</u>    | <u>6.79</u> | <u>19.7</u> | <u>3.9K</u> | <u>66.7</u> | <u>2.5</u>  | <u>.10</u> | <u>2582 ± 8</u>      | <u>2670 ± 6</u>      | <u>✓</u>    |
|                     | <u>C.1-2</u>   | <u>11:32</u>    | <u>6.68</u> | <u>19.5</u> | <u>4.5K</u> | <u>78.8</u> | <u>0.1</u>  | <u>.01</u> | <u>2655 ± 8</u>      | <u>2683 ± 5</u>      | <u>✓</u>    |
|                     | <u>S1.3-3</u>  | <u>11:49</u>    | <u>6.84</u> | <u>19.9</u> | <u>2318</u> | <u>208</u>  | <u>-0.4</u> | <u>/</u>   | <u>566 ± 1</u>       | <u>608 ± 15</u>      | <u>✓</u>    |
|                     | <u>C.2-1</u>   | <u>12:07</u>    | <u>6.79</u> | <u>19.9</u> | <u>5.2K</u> | <u>83.7</u> | <u>1.0</u>  | <u>.03</u> | <u>2699 ± 7</u>      | <u>2669 ± 5</u>      | <u>✓</u>    |
|                     | <u>C.2-2</u>   | <u>12:30</u>    | <u>6.78</u> | <u>19.2</u> | <u>6.5K</u> | <u>112</u>  | <u>4.0</u>  | <u>.10</u> | <u>2629 ± 6</u>      | <u>2656 ± 5</u>      | <u>✓</u>    |
|                     | <u>C.3-1</u>   | <u>12:48</u>    | <u>6.76</u> | <u>20.0</u> | <u>4.3K</u> | <u>71.1</u> | <u>-0.3</u> | <u>/</u>   | <u>2671 ± 8</u>      | <u>2666 ± 6</u>      | <u>✓</u>    |

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?

| 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?       |
|---------------------|---------------|-----------------|------|----------|---------|-------|-----------|-----------------------|----------------------|-------------------------|-------------------|
|                     | S1.5-1        | 13:07           | 6.83 | 19.7     | 2385    | 220   | 1.1       | .10                   | 561 ± 1              | 595 ± 23                | ✓                 |
|                     | C.4-1         | 13:24           | 6.64 | 20.1     | 4.2K    | 73.8  | 1.3       | .05                   | 2622 ± 8             | 2663 ± 6                | ✓                 |
|                     | C.5-1         | 13:41           | 6.64 | 20.4     | 4927    | 85.4  | 2.2       | .07                   | 2636                 | 2666                    | ✓                 |
|                     | C.6-1         | 14:00           | 6.86 | 20.7     | 5412    | 83    | 3.9       | .13                   | 2685                 | 2669                    | ✓                 |
|                     | C.6-2         | 14:16           | 6.69 | 20.0     | 5580    | 96    | 2.1       | .08                   | 2680                 | 2670                    | ✓                 |
|                     | S1.5-2        | 14:33           | 6.59 | 19.4     | 2218    | 234   | .2        | .02                   | 551                  | 535                     | ✓                 |
|                     | C.7-1         | 14:52           | 6.74 | 20.0     | 5025    | 84    | 0.9       | .03                   | 2672                 | 2679                    | ✓                 |
|                     | C.8-1         | 15:11           | 6.73 | 19.8     | 5760    | 98    | 0.3       | .01                   | 2658                 | 2675                    | ✓                 |
|                     | C.9-1         | 15:30           | 6.68 | 20.3     | 4841    | 82    | 1.6       | .05                   | 2654                 | <del>2675</del><br>2675 | ✓                 |
|                     | S1.5-3        | 15:48           | 6.66 | 19.7     | 2298    | 230   | 0.2       | .02                   | 555                  | 533                     | ✓                 |
|                     | C.11-1        | 16:07           | 6.73 | 20.2     | 4780    | 80    | 0.6       | .02                   | 2661                 | 2667                    | ✓                 |
|                     | C.11-2        | 16:24           | 6.73 | 19.9     | 4544    | 79    | 0.8       | .03                   | 2608                 | 2666                    | ✓                 |
|                     | C.12-1        | 16:44           | 6.70 | 19.8     | 4973    | 86    | 0.0       | -                     | 2653                 | 2662                    | ✓                 |
|                     | S1.5-4        | 17:03           | 6.45 | 20.1     | 2325    | 241   | 1.5       | .12                   | 553                  | 491                     | ✓                 |
|                     | D.2-1         | 17:28           | 6.51 | 19.8     | 2147    | 171   | 2.24      | .04                   | 2418                 | 2621                    | ✓                 |
|                     | D.28-1        | 17:53           | 6.94 | 20.3     | 3683    | 90    | 0.1       | .01                   | 1766                 | 1765                    | No! 204-<br>bgd X |
|                     | D.29-1        | 18:26           | 6.96 | 18.6     | 4782    | 91    | 1.96      | .07                   | 2212                 | 2660                    | ✓                 |
|                     | S1.6-1        | 18:45           | 6.58 | 19.5     | 2210    | 233   | 0.9       | .08                   | 553                  | 534                     | ✓                 |
|                     | D.30-1        | 19:09           | 6.53 | 20.5     | 4226    | 79    | 1.33      | <del>4.6</del><br>4.6 | 2495                 | 2650                    | ✓                 |
|                     | D.25-1        | 19:30           | 6.73 | 20.4     | 2035    | 34    | 3.0       | .24                   | 2616                 | 2686                    | ✓                 |
|                     | D.25-2        | 19:47           | 6.72 | 20.0     | 1656    | 27    | 0.1       | .01                   | 2735                 | 2700                    | ✓                 |
|                     | D.26-1        | 20:06           | 6.85 | 19.8     | 2820    | 44    | -ive      | -                     | 2744                 | 2698                    | ✓                 |
|                     | S1.6-2        | 20:25           | 6.90 | 19.4     | 2454    | 217   | -ive      | -                     | 576                  | 538                     | ✓                 |
|                     | D.26-2        | 20:42           | 7.01 | 19.6     | 2404    | 50    | -ive      | -                     | 2739                 | 2701                    | ✓                 |
|                     | D.31-1        | 20:59           | 6.64 | 21.6     | 4908    | 84    | 30.6      | 1.0                   | 2512                 | 2656                    | ✓                 |

Note: Image (66n) photo don't make it well.

C  
D

Note: 4.75 hours on pop D - mostly abated grains due to T204 (>400 counts often)

