

follows from 98-88

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 14/8/99 UWA Mount No.: 99-21 Whose sample?: OS Operator(s): McN + OS

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

expected 196-204 = 8.170 amu expected 204-bkg = 0.045 amu Dead-time = 32 nanosecs  
 actual 196-204 = 8.167 actual 204-bkg = 0.045 expected resolution = >4200  
 actual 206-207 = 1.000 actual 206-208 = 1.999 actual resolution =

Primary = nA PESABM = pA actual Primary : PESABM (= 50:1) =  
 Raster time (mins): 1 Raster aperture (microns): 120 No. of scans: 6

Comments: A = PIT

| Rejection over-ride              | Sample/ Std ID | Time - printout  | UO/U | 196 Kcps | 206 cps | U ppm | 204Pb ppb | f <sub>206</sub> % | Age ±1σ (Ma) 206/238 207/206 | Offsets OK? |
|----------------------------------|----------------|------------------|------|----------|---------|-------|-----------|--------------------|------------------------------|-------------|
|                                  | sl.1-1         | 18:12<br>~2.30pm | 5.06 | 12.7     | 1210    | 220   | 0.2       | -0.02              | 572 ± 1 601 ± 27             | ✓           |
|                                  | sl.1-2         | 18:29            | 5.09 | 12.8     | 1240    | 215   | 0.3       | 0.03               | 577 ± 1 531 ± 25             | ✓           |
| ONE 204Pb SCAN TO BE DELETED (5) | A1-4           | 18:49            | 4.64 | 11.8     | 609     | 46    | 11.9      | 1.07               | 1947 ± 12 1777 ± 23          | ✓           |
|                                  | A4-4           | 19:24            | 5.11 | 12.5     | 913     | 44    | 1.5       | 0.15               | 1895 ± 9 1843 ± 26           | ✓           |
|                                  | sl.1-3         | 19:41            | 5.08 | 13.0     | 1275    | 219   | 0.8       | 0.07               | 582 ± 1 518 ± 28             | ✓           |