

95-6A

UWA SHRIMP DATA LOG: ZIRCON U-Pb

Date: 4/7/95 UWA Mount No.: 95-6 Whose sample?: Liang Wang/China Operator(s): CF, NAM, LW, Jayne

Indicate any change to the following: 196 204 bkg 206 207 208 238 248 254

| | | | | | | | | | | |
|-------------|--------------------|-----|------|------|------|------|------|-----|-----|-----|
| Precambrian | Count time (secs): | 2 | 10 | 10 | 10 | 40 | 10 | 5 | 5 | 2 |
| | Delay time (secs): | 6 | 3 | 1 | 2 | 1 | 1 | 3 | 2 | 2 |
| Phanerozoic | Count time (secs): | 2 ✓ | 10 ✓ | 10 ✓ | 10 ✓ | 10 ✓ | 10 ✓ | 5 ✓ | 5 ✓ | 2 ✓ |
| | Delay time (secs): | 8 ✓ | 3 ✓ | 1 ✓ | 2 ✓ | 1 ✓ | 1 ✓ | 3 ✓ | 2 ✓ | 2 ✓ |

expected 196-204 = 8.170 amu expected 204-bkg = 0.040 amu Dead-time = 36 nanosecs

actual 196-204 = 8.170 actual 204-bkg = 0.041 expected resolution = >4200

Primary = 1.7 nA PESABM = 30 pA actual resolution = 4990

expected Primary : PESABM = 50:1 actual Primary : PESABM = 57

Comments from Log Book:

| Rejection over-ride | Sample/ Std ID | Time - printout | 196 cps | 206 cps | U ppm | 204Pb ppb | f ₂₀₆ % | Age ±1σ (Ma) 206/238 207/206 | Corr. | |
|---------------------|------------------|------------------|------------------|----------------|----------------|-----------------|--------------------|------------------------------|--------------|----------------|
| | GROUP A = JMS-1 | 11:21 | | 988 | | | 0.08 | | | |
| | sl 3-24-3 | 11:21 | 11.5K | 1070 | - | 2.8 | 0.08 | 589 | 208 | |
| | sl 3-24-4 | 11:41 | 11.3K | 948 | 220 | 1.9 | 0.10 | 558 | 208 | |
| | sl 3-24-5 | 12:00 | 10.7K | 1000 | 218 | 2.5 | 0.03 | 574 | 208 | |
| | u 956A-1-1 | 12:22 | 10.2K | 612 | 576 | 0.1 | 0.02 | 158 | 204 | |
| | u 956A-1-2 | 12:42 | 10.5K | 550 | 131 | 2.0 | .23 | 686 ± 3 | 752 ± 99 | 204 |
| | std 24-6 | 13:03 | 10.4K | 913 | 221 | 2.4 | .06 | 560 ± 1 | 587 ± 38 | 208 |
| | u-2-1 | 13:28 | 9.7K | 551 | 508 | 0.5 | .07 | 157 ± 1 | - | 208 |
| | u-2-2 | 13:28 | 10.0K | 219 | 164 | -1.7 | - | 201 ± 1 | - | 208 |
| | UNK 3-1 | 13:48 | 9.7K | 688 | 118 | 0.9 | .09 | 800 ± 2 | 777 ± 60 | 204 |
| | UNK 3-2 | 14:08 | 10.0K | 219 | 164 | -1.7 | - | 201 ± 1 | - | 208 |
| | std 24-7 | 14:28 | 9.7K | 920 | 220 | 0.3 | .03 | 580 ± 1 | 448 ± 39 | 208 |
| | UNK 4-1 | 14:49 | 10.0K | 442 | 415 | -1.5 | .03 | 157 ± 1 | - | 208 |

| Rejection over-ride | Sample/Std ID | Time - printout | 196 cps | 206 cps | U ppm | 204Pb ppb | f206 % | Age ±1σ (Ma) 206/238 | 207/206 | Corr. |
|---------------------|--------------------|-----------------|---------|---------|-------|-----------|--------|----------------------|-----------|-------|
| | UNK 5-1 | 15:08 | 9.5K | 252 | 143 | -0.1 | .42 | 213 ± 1 | 164 ± 88 | 208 |
| | UNK 3-3 | 15:33 | 9.7K | 359 | 301 | -0.5 | .28 | 167 ± 1 | — | 208 |
| | std 24-8 | 16:03 | 9.8K | 930 | 223 | 1.4 | .06 | 578 ± 1 | 595 ± 37 | 208 |
| | UNK 5-2 | 16:25 | 9.5K | 131 | 88 | 1.8 | .81 | 172 ± 1 | — | 208 |
| | UNK 6-1 | 16:45 | 10.3 | 366 | 310 | 0.6 | .26 | 156 ± 1 | — | 208 |
| | UNK 7-1 | 17:04 | 9.5K | 364 | 332 | 1.7 | .30 | 157 ± 1 | — | 208 |
| | UNK 8-1 | 17:26 | 9.7K | 330 | 288 | 4.0 | .23 | 159 ± 1 | — | 208 |
| | std 3-1 | 17:47 | 9.3K | 883 | 207 | 1.9 | 0.16 | 589 ± 1 | 578 ± 39 | 208 |
| | UNK 9-1 | 18:08 | 11.4K | 631 | 435 | -1.5 | 0.17 | 167 ± 0.2 | — | 208 |
| reject! | → UNK 10-1 | 18:29 | | | | | | | | |
| | UNK 11-1 | 18:52 | 8.9K | 377 | 309 | -0.1 | .18 | 159 ± 0.3 | — | 208 |
| | UNK 12-1 | 19:15 | 8.7K | 100 | 83 | -0.2 | .94 | 170 ± 0.6 | — | 208 |
| 1/4 Na. | UNK 12-2 | 19:38 | 9.5K | 43 | 31 | 0.2 | .46 | 155 ± 2.5 | — | 204 |
| | UNK 13-1 | 19:59 | 10.1K | 712 | 447 | 0.9 | .13 | 143 ± .3 | 121 ± 67 | 204 |
| | std 3-2 | 20:21 | 10.8K | 952 | 220 | 1.3 | .10 | 569 ± .9 | 610 ± 47 | 204 |
| | UNK 14-1 | 20:47 | 8.7 | 238 | 258 | 1.7 | .46 | 158 ± .4 | 148 ± 84 | 208 |
| 2.2 | UNK 15-1 | 21:15 | 7.8 | 125 | 129 | 1.1 | .55 | 142 ± .6 | 88 ± 124 | 208 |
| 1.8 (with PK help) | UNK 16-1 | 21:42 | 18.K | 614 | 339 | 2.3 | .46 | 142 ± .3 | 206 ± 53 | 208 |
| | UNK 17-1 | 22:11 | 11.9 | 340 | 315 | 2.9 | .60 | 141 ± .4 | 208 ± 70 | 208 |
| After PK | std 3-3 | 22:43 | 11.2 | 959 | 299 | 2.0 | .11 | 626 ± .8 | 566 ± 37 | 208 |
| | UNK 18-1 | 23:08 | 9.9 | 374 | 490 | 1.7 | .22 | 148 ± .4 | 130 ± 69 | 208 |
| | UNK 19-1 | 23:38 | 11.8 | 154 | 131 | 1.1 | 0.55 | 168 ± .5 | 296 ± 101 | 208 |
| 21-1 | UNK 20-1 | 00:03 | 11.2 | 307 | 353 | 1.8 | 0.31 | 149 ± .4 | 294 ± 71 | 208 |
| A | UNK 21-1 | 00:30 | 11.5 | 483 | 560 | 0.6 | 0.20 | 146 ± .03 | 57 ± 60 | 208 |
| | std 3-4 | 00:53 | 13.1 | 1245 | 178 | 2.0 | 0.03 | 594 ± .7 | 572 ± 31 | 208 |