

UWA SHRIMP DATA LOG FOR TITANITE

Date 6/11/00 UWA Mount No. A 36 Whose sample? JD Operator(s) JD/MG

Indicate any change to the following:

	200	204	bkg	206	207	208	248	254	270
Precambrian Count time (secs):	<u>25</u>	10	10	10/20	30/10 ⁴⁰	10 ¹⁰	5 ⁵	5 ⁵	5 ⁵
Phanerozoic* Delay time (secs):	8	3	1	2	1	1	4	2	3

epoxy
Steel: Wein volts / nA = 8.4 for O⁻; = 2.4 for O₂⁻; = 1.4 for NO⁻

dead-time = 32 nanosecs expected resolution = >4200 actual resolution = 4875

aperture = 100 microns retardation lens = volts

Expected offsets (amu): 200-204 = 4.136; 204-bkg = 0.045; 204-206 ~ 2.000; 206-207 = 1.000; 206-208 = 2.000

Actual: 200-204 = 4.136 204-bkg = 0.045 204-206 = 2.000

206-207 = 1.000 206-208 = 2.000

Primary-epoxy = 2.4 nA Primary-khan = 3.5 nA PESABM-khan = 72 pA

Raster time (mins): 1 Raster aperture (microns): 100 No. of scans: 6

Comments: A 36 A = WMD 87-5

Rejection over-ride	Sample/ Std ID	Time - printout	270/254 UO/UO2	200 cps	206 cps	270 Kcps	204Pb cps	f206 %	Measured 206/270	Age±1σ 207/206	Offsets OK?
	<u>Kh. 2-1</u>	<u>12:34</u>	<u>0.997</u>	<u>1886</u>	<u>2091</u>	<u>13.9</u>	<u>1.4</u>	<u>1.05</u>	<u>.150</u>	<u>572</u>	✓
	<u>Kh. 2-2</u>	<u>12:54</u>	<u>.994</u>	<u>1926</u>	<u>1956</u>	<u>12.8</u>	<u>1.8</u>	<u>1.38</u>	<u>.152</u>	<u>492</u>	✓
	<u>A. 6-1</u>	<u>13:19</u>	<u>1.011</u>	<u>2063</u>	<u>550</u>	<u>532</u>	<u>5.2</u>	<u>12.6</u>	<u>1.035</u>	<u>2716</u>	✓
	<u>A. 7-1</u>	<u>13:38</u>	<u>.944</u>	<u>1982</u>	<u>549</u>	<u>524</u>	<u>5.3</u>	<u>13.2</u>	<u>1.047</u>	<u>2586</u>	✓
	<u>Kh. 2-3</u>	<u>14:06</u>	<u>.970</u>	<u>1952</u>	<u>2365</u>	<u>15.0</u>	<u>1.5</u>	<u>1.08</u>	<u>.157</u>	<u>454</u>	✓
	<u>A. 8-1</u>	<u>14:30</u>	<u>.958</u>	<u>2320</u>	<u>989</u>	<u>939</u>	<u>6.2</u>	<u>8.53</u>	<u>1.053</u>	<u>2621</u>	✓
	<u>A. 9-1</u>	<u>02:46</u>	<u>.940</u>	<u>2003</u>	<u>1459</u>	<u>1486</u>	<u>4.8</u>	<u>4.55</u>	<u>0.981</u>	<u>2633</u>	✓
	<u>A. 10-1</u>	<u>03:07</u>	<u>.966</u>	<u>2077</u>	<u>613</u>	<u>567</u>	<u>5.1</u>	<u>11.5</u>	<u>1.08</u>	<u>2639</u>	✓

- changed count times.
- lots of rejections.

switched to count A-51

