

UWA SHRIMP DATA LOG FOR TITANITE

Date: 26/3/01 UWA Mount No.: A82 Whose sample?: JD/PD Operator(s): JD

Indicate any change to the following: 200 204 bkg 206 207 208 248 254 270

Precambrian Count time (secs): 5 10 10 10/20* 30/10* 10 5 5 5
Phanerozoic* Delay time (secs): 8 3 1 2 1 1 4 2 3

Steel: Wein volts / nA = 2.17 for O⁻; = 5.2 for O₂⁻; = 8.8 for NO⁻

dead-time = 32 nanosecs expected resolution = >4200 actual resolution = 5312

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 = nA Primary-khan = 5.2 nA PESABM-khan = 110/5.2 pA

Raster time (mins): 1.5 Raster aperture (microns): 120 No. of scans: 5

Comments: A = MGY-1 (perovskite)

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. 3-1</u>	<u>13:17</u>	<u>0.73</u> <u>1.27</u>	<u>2300</u>	<u>2200</u>	<u>14</u>	<u>1.3</u>	<u>9.2</u>	<u>0.157</u>	<u>807</u>	<u>✓</u>
	<u>Kh. 2-1</u>	<u>13:45</u>	<u>0.93</u> <u>1.24</u>	<u>2300</u>	<u>3800</u>	<u>26</u>	<u>.15</u>	<u>.6</u>	<u>0.146</u>	<u>445</u>	<u>✓</u>
	<u>PV. 1.2-4</u>	<u>14:08</u>	<u>3.76</u> <u>4.04</u>	<u>5200</u>	<u>2200</u>	<u>21</u>	<u>3.2</u>	<u>2.2</u>	<u>0.105</u>	<u>491</u>	<u>✓</u>
	<u>PV. 1.2-5</u>	<u>14:28</u>	<u>3.75</u> <u>3.75</u>	<u>5000</u>	<u>2200</u>	<u>21</u>	<u>3.2</u>	<u>2.2</u>	<u>0.105</u>	<u>434</u>	<u>✓</u>
	<u>A. 2-2</u>	<u>14:53</u>	<u>0.63</u> <u>1.74</u>	<u>4400</u>	<u>120</u>	<u>430</u>	<u>.69</u>	<u>7.8</u>	<u>0.28</u>	<u>1300</u>	<u>✓</u>
	<u>A. 1-2</u>	<u>15:46</u>	<u>0.85</u> <u>1.75</u>	<u>4600</u>	<u>130</u>	<u>610</u>	<u>1.3</u>	<u>14.7</u>	<u>0.21</u>	<u>1113</u>	<u>✓</u>
	<u>PV. 1.2-6</u>	<u>16:02</u>	<u>3.88</u> <u>1.73</u>	<u>5200</u>	<u>2200</u>	<u>21</u>	<u>3.7</u>	<u>2.6</u>	<u>0.105</u>	<u>304</u>	<u>✓</u>
	<u>A. 7-1</u>	<u>16:22</u>	<u>0.50</u> <u>1.78</u>	<u>4800</u>	<u>150</u>	<u>640</u>	<u>1.0</u>	<u>10.2</u>	<u>0.23</u>	<u>926</u>	<u>✓</u>
	<u>A. 8-1</u>	<u>16:42</u>	<u>0.073</u>	<u>5300</u>	<u>160</u>	<u>730</u>	<u>1.4</u>	<u>13.5</u>	<u>0.22</u>	<u>—</u>	

Rejection over-ride Sample/ Std ID Time - printout 270/254 UO/UO2 200 cps 206 cps 270 K cps ^{204}Pb cps f_{206} % Measured 206/270 Age $\pm 1\sigma$ 207/206 Offsets OK?

Primary dropped $\pm 15\%$ no other changes

Rejection over-ride	Sample/ Std ID	Time - printout	270/254 UO/UO2	200 cps	206 cps	270 K cps	^{204}Pb cps	f_{206} %	Measured 206/270	Age $\pm 1\sigma$ 207/206	Offsets OK?
	PVI.2-7	17:01	1.75	5500	2300	21	3.0	2.0	0.100	513	✓
	A9-1	17:22	1.74	4600	1300	0.6	1.1	2.25	0.213	698 ⁵³⁶	✓
	A10-1	17:43	1.79	5400	150	0.68	1.2	1.72	0.221	7173	✓ 518
	PVI.2-8	18:01	1.80	4400	1500	16	2.8	2.06	0.112	129	✓ 355
	A11-1	18:19	1.78	4200	130	0.57	1.0	2.97	0.228	8043	✓ 1189
	A12-1	18:35	1.81	4100	120	0.56	0.08	10.30	0.214	8203	✓ 1190
	PVI.2-9	18:52	1.82	4400	1900	18	2.7	2.3	0.105	126	✓ 354
	A13-1	19:09	1.93	4600	130	0.58	0.6	6.6	0.224	1640 ³⁵⁹	✓ 359
	A14-1	19:26	1.87	4500	130	0.56	0.8	7.9	0.232	1625	✓
	PVI.2-10	19:43	1.86	4600	1900	18	2.5	2.0	0.105	474	✓
	A15-1	19:59	1.77	4500	130	0.55	1.3	15.9	0.236	-	✓
	A16-1	20:15	1.82	4100	120	0.51	6.8	12.9	0.235	687	✓
	PVI.2-11	20:32	1.81	4700	1900	18	2.5	2.0	0.106	520	✓