

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: *25/5/96* UWA Mount No.: *96-23* Whose sample? Operator(s): *IF + a/pul*

Indicate any change to the following:	196	204	bkg	206	207	208	238	248	254
Precambrian Count time (secs):	2	10	10	10	30/10*	10	5	5	2
Phanerozoic* Delay time (secs):	7	3	1	2	1	1	3	2	2

expected 196-204 = 8.170 amu expected 204-bkg = 0.040 amu Dead-time = *32* nanosecs
 actual 196-204 = *8.168* actual 204-bkg = *0.041* expected resolution = >4200
 actual 206-207 = *1.000* actual 206-208 = *2.000* actual resolution = *4942*
 Primary = *2.9* nA PESABM = *48* pA actual Primary : PESABM (= 50:1) = *60*
 Raster time (mins): *2* Raster aperture (microns): *100* No. of scans: *6*

Comments: *Reduced collector position by 3 steps.*
 ① *checked 196-204 offset (see scans).
 - Computer crashed.*

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 k cps	206 cps	U ppm	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238	207/206	Corr.
	<i>sl 623.3-1</i>	<i>12:53</i>	<i>6.54</i>	<i>19.6</i>	<i>2099</i>	<i>-</i>	<i>0.1</i>	<i>0</i>	<i>-</i>	<i>578</i>	<i>-</i>
	<i>3-2</i>	<i>13:10</i>	<i>6.78</i>	<i>18.5</i>	<i>2157</i>	<i>212</i>	<i>0.4</i>	<i>.01</i>	<i>581</i>	<i>597</i>	<i>208</i>
	<i>u 623A.1-1</i>	<i>13:30</i>	<i>7.48</i>	<i>17.6</i>	<i>311</i>	<i>274</i>	<i>0.6</i>	<i>.37</i>	<i>54</i>	<i>0</i>	<i>204</i>
	<i>A.2-1</i>	<i>13:48</i>	<i>6.83</i>	<i>18.3</i>	<i>191</i>	<i>218</i>	<i>2.0</i>	<i>1.6</i>	<i>51</i>	<i>0</i>	<i>204</i>
	<i>A.3-1</i>	<i>14:05</i>	<i>7.22</i>	<i>18.0</i>	<i>389</i>	<i>359</i>	<i>2.6</i>	<i>1.2</i>	<i>53</i>	<i>0</i>	<i>204</i>
①	<i>sl 3-3</i>	<i>14:23</i>	<i>6.59</i>	<i>19.4</i>	<i>2065</i>	<i>216</i>	<i>0.4</i>	<i>.01</i>	<i>567</i>	<i>589</i>	<i>208</i>

fuse blew on extraction volts for 20

AK fixed on 26/5/96 am.