

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 12/3/97 UWA Mount No.: 96-53 Whose sample?: CY Operator(s): CY

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): 8 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 = 8.167 actual 204-bkg = .043 expected resolution = >4200

actual 206-207 = 1.000 actual 206-208 = 2.000 actual resolution = 4980

Primary = 2.8 nA PESABM = 40 pA actual Primary : PESABM (= 50:1) = 70

Raster time (mins): 2 Raster aperture (microns): 100 No. of scans: 6

Comments: Part of Session 11-12/3/97. Analyses started after 96-83 C & A had been completed → see 96-83 sheet for 11/3/97.  
 C = K1  
 B = K4

A - never analysed - wiped during polishing

Rejection over-ride Sample/Std ID Time - printout UO/U 196 cps 206 cps U ppm 204Pb ppb f206 % Age ±1σ (Ma) 206/238 207/206 Corr.

Rejection over-ride	Sample/Std ID	Time - printout	UO/U	196 cps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma)	206/238	207/206	Corr.
196 206												
254	sl1-1	00:46	6.54	15.8	1388	215.2	0.7	.06	586±1	553±30	204	
206 238												
254	sl1-2	01:04	5.99	16.9	1273	241.8	-	-	591±1	600±20	-	
-	u653C.1-1	01:23	6.86	14.7	102K	268.8	2.7	.02	2721±5	2670±4	204	
207 238												
248 254	C.1-2	01:44	6.38	15.6	7528	229.8	1.2	.01	2735±5	2681±4	204	
196 248												
254	sl1-3	02:02	6.45	15.3	1354	224.3	-	-	590±1	574±20	-	
208 248 254												
196 206 207 238 248 254	C.1-3	02:21	6.46	14.0	7541	248.0	-	-	2722±5	2673±4	-	
10 playing up a bit	206 → 254	C.2-1	02:42	7.28	14.7	4392	95.0	0.5	.01	2768±8	2623±6	204
196 206 207 238 248 254	C.2-2	03:00	6.93	15.2	3510	82.5	1.7	.05	2814±9	2662±6	204	
10 dropped out during run	Deleted	C.3-1	03:18	7.28	4.7	1307	81.5	3.0	.09	2968±17	2787±10	204 *DWD
10 unstable	206 207 248 254 all fail	sl1-4	03:40	6.35	17.5	1557	228.3	-	.00	614±1	604±19	208
	196 206 207 238 248 254 all fail	C.4-1	03:59	5.51	21.0	3243	116.8	5.0	.04	283±8	<del>242±6</del>	204
										265±7		

Rejection over-ride Sample/Std ID Time - printout UO/U <sup>196</sup>Kcps <sup>206</sup>cps U ppm <sup>204Pb</sup>ppb <sup>f206</sup>% Age ±1σ (Ma) <sup>206/238</sup> <sup>207/206</sup> Corr.

↑ unstable ↓

Rejection over-ride	Sample/Std ID	Time - printout	UO/U	<sup>196</sup> Kcps	<sup>206</sup> cps	U ppm	<sup>204Pb</sup> ppb	<sup>f206</sup> %	Age ±1σ (Ma)	<sup>206/238</sup>	<sup>207/206</sup>	Corr.
<sup>196</sup> 206 <sup>207</sup> <sup>238</sup>	sl.1-5	04:17	5.93	18.0	1310	248.6	0.5	.04	578±1	574±28	204	
*254 all fac												
<sup>196</sup> 206 <sup>207</sup> <sup>238</sup> 248 <sup>254</sup>	B.1-1	04:37	5.93	17.1	1205	44.8	8.8	5.4	263±12	2650±14	204	
<sup>196</sup> 204 <sup>207</sup> *206, 208, 254 all fac	B.2-1	04:55	6.88	15.3	2301	835	63.9	2.9	1938±7	2688±17	204	
<sup>196</sup> 204 <sup>206</sup> <sup>248</sup> 254	B.1-2	05:15	6.60	16.2	1803	51.5	13.9	7.5	2564±10	2661±12	204	
<sup>196</sup> 207 <sup>208</sup> <sup>254</sup>	B.3-1	05:36	6.27	17.7	1443	57.1	23.2	1.5	2054±8	2697±16	204	
*248 all fac <sup>206</sup> 207	sl.1-6	05:56	6.10	16.8	1347	236.3	1.8	.13	60±1	511±30	204	
<sup>196</sup> 206 <sup>207</sup> 248	B.4-1	06:13	6.45	17.6	1028	44.3	23.2	2.2	1758±8	2651±23	204	
<sup>196</sup> *248 all fac	B.5-1	06:33	6.90	14.0	2263	115.5	178.5	7.6	1474±6	2697±26	204	
<sup>196</sup> 238	B.6-1	06:51	6.41	16.8	1022	30.3	10.2	.92	2595±14	2653±17	204	
<sup>196</sup> 206	sl.3-1	07:10	6.32	16.6	1413	222.3	-	-	609±1	576±20	-	
<sup>196</sup> 207 <sup>238</sup>	sl.3-2	07:30	6.87	14.3	1423	206.6	1.4	.12	594±1	560±28	204	