

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 29/1/96
 UWA Mount No.: 95-42 + 95-36
 Whose sample?: Kromardouk - McN, Roger - Wetherley
 Operator(s): McN - ~~Yunni~~

	196	204	bkg	206	207	208	238	248	254
Precambrian Count time (secs):	2	10	10	10	30	10	5	5	2
Precambrian Delay time (secs):	7	3	1	2	1	1	3	2	2
Phanerozoic Count time (secs):	2	10	10	10	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 = 8.163 actual 204-bkg = 0.040 expected resolution = >4200
 Primary = 1.8 nA PESABM = actual resolution = 4783
 expected Primary : PESABM = 50:1 actual Primary : PESABM =

Comments: Duo ~ 420 + 1° stable!!
 Raster = 3mm x 2 120µm
 95-36 Cal. ave: n=7
 Zr/U = 1.85747
 UO/U = 6.05564
 PbX/U = 0.185744
 Calib error % = 0.4475 Cn = 25

95-42

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 cps (K)	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238	207/206	Corr.
	std 5-5	10:30	6.09	13.3	1411	220	1.4	.04	572 ± 1	575 ± 22	208
	std 5-6	10:54	6.11	13.2	1425	220	1.4	.08	572 ± 1	605 ± 19	208
	B. 23-1	11:18	6.61	10.1	21.6K	1207	1.10µm	5.35	1422 ± 1	1795 ± 12	204
	std 5-7	11:41	5.89	13.6	1345	227	1.2	.11	572 ± 1	575 ± 20	208
	B. 24-1	12:34	7.30	8.0	48K	2700	3.05µm	6.96	1347 ± 1	1791 ± 9	204
	B. 25-1	12:55	6.95	10.5	27K	1088	900	4.25	1605 ± 2	1912 ± 9	204
	B. 26-1	13:24	6.32	12.6	9.7K	296	68.8	.70	2331 ± 4	2930 ± 4	204
	std 5-8	13:46	5.88	13.6	1329	228	2.0	.07	566 ± 1	563 ± 20	208
	B. 27-1	14:08	6.39	12.8	8.3K	187	39.2	.46	2888 ± 6	3297 ± 4	204
	B. 28-1	14:38	6.54	11.0	193K	823	762	4.13	1746 ± 2	2268 ± 8	204
	B. 29-1	15:00	7.36	7.3	4.4K	1077	324	7.56	348 ± 1	1951 ± 30	204

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.

See settings on sheet for 95-42 (27-29/1/96)

95-36C

196, 206,	std 3-3	B:53	6.04	13.2k	1289	220	0.9	.07	572 ± 1	598 ± 20	208
206, 207, 248,	UK 53601	19:17	6.5	12.6	6380	128	1.3	.102	3242 ± 8	3233 ± 4	204
207, 238	C11-1	19:42	6.83	12.1	6390	116	1.	.02	3221 ± 8	3236 ± 4	204
206	S13-4	20:05	6.13	12.6	1279	215	2.8	.05	579 ± 1	567 ± 20	208
204	C12-1	20:27	6.38	12.2	4751	106	1.8	.03	3215 ± 9	3236 ± 4	204
-	C13-1	20:49	6.33	12.2	3734	84	1.2	.03	3229 ± 10	3238 ± 5	204
248	C14-1	21:10	6.48	11.8	6455	142	1.5	.02	3205 ± 8	3239 ± 4	204
-	C15-1	21:32	6.3	12.1	1436	33	0.4	.02	3210 ± 16	3238 ± 8	204
196, 206, 248, 254	S13-5	21:55	6.14	12.4	1274	217	1.3	.07	573 ± 1	571 ± 20	208
-	C16-1	22:18	5.93	13.4	2965	73	0.7	.02	3303 ± 11	3252 ± 5	204
196, 248	C17-1	22:42	6.28	12.2	1481	34	-0.7	✓	3241 ± 16	3258 ± 7	✓
254	C18-1	23:04	6.39	12.3	4991	108	0.	.001	3233 ± 9	3241 ± 4	204
196, 207, 248	C19-1	23:25	6.2	13.3	1563	36.	2.	.11	3127 ± 15	3226 ± 8	204
238	S13-6	23:47	6.05	12.8	1293	226	1.5	.08	572 ± 1	567 ± 20	208
206, 248	C18-2	0:09	6.48	12.4	4680	97	0.8	.02	3250 ± 9	3226 ± 4	204
204, 206, 207, 208, 254	C20-1	0:31	6.7	12.7	2843	104	31.5	1.6	1884	3281 ± 7	204
208, 248	C21-1	0:52	6.19	13.1	2360	55	2.3	.08	3152	3234 ± 6	204
-	C22-1	1:16	6.04	13.4	3029	74	4.5	.12	3182	3226 ± 6	204
206, 207, 208, 238, 254	C23-1	1:38	6.4	12.2	4636	101	2.3	.04	3245	3230 ± 4	204
196	S13-7	2:00	6.06	13.2	1328	225	0.	.05	573	562	208
196, 206, 208, 238, 254	C24-1	2:22	6.04	12.8	4167	105	0.2	.004	3233	3237 ± 4	204
196	C25-1	2:43	6.24	13.1	2037	45	3.8	.2	3202	3235 ± 6	204
238, 248	C26-1	3:05	6.18	12.8	3389	82	3.8	.09	3117 ± 10	3241 ± 5	204
207, 238	C27-1	3:39	6.21	12.4	5929	141	2.5	.03	3199 ± 8	3240 ± 4	204

