UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date	UWA Mount No.	Whose sample?	Operator(s)
9/7/96	96-20	YUMIN	McW + YQ

Indicate any change to the following:		196	204	bkg	206	207	208	238	248	254
Precambrian	Count time (secs):	2	10	10	10	30/~~60~~	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 = 8.167 actual 204-bkg = 0.040 expected resolution = >4200

actual 206-207 = 0.999 actual 206-208 = 1.999 actual resolution = 5194

Primary = 1.7 nA PESABM = 37 pA actual Primary : PESABM (≈ 50:1) = 45.9

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

Comments:

206

206

0 26 238 238

26.27 38. 88 54

248

196 254

196 206

248 254

206

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 cps (K)	206 cps	U ppm	^{204}Pb ppb	f_{206} %	Age ±1σ (Ma) 206/238	Age ±1σ (Ma) 207/206	Corr.
	sl. 3-1	10:59	7.81	8.3	1041	220	1.8	.10	571±1	502±25	208
	sl. 3-2	11:24	7.97	8.2	1047	220	-0.6	.02	572±1	617±23	208
	B. 1-1	11:47	8.37	8.0	5679	181	2.3	.03	2826±8	2808±5	204
	sl. 3-3	12:08	7.99	8.4	1045	218	0.0	.10	562±1	564±24	208
	B. 2-1	12:29	8.11	8.0	3617	130	0.7	.01	2730±9	2805±6	204
	B. 3-1	12:48	8.08	7.9	1213	43	0.2	.01	2806±16	2785±10	204
	sl. 3-4	13:06	8.11	8.1	1042	215	2.1	.05	564±1	554±24	208
	B. 4-1	13:25	8.19	8.0	1732	60	1.9	.08	2774±13	2814±9	204
	B. 5-1	13:43	8.13	8.2	1934	64	3.4	.13	2845±13	2796±9	204
	B. 6-1	14:02	8.08	8.3	1724	58	0.6	.02	2820±14	2809±11	204
	sl. 3-5	14:20	8.22	7.7	1033	215	1.2	.11	564±1	531±25	208

Mount/sample No: 96-20 Date: 9/7/96 Page No: 2

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 cps (K)	206 cps	U ppm	^{204}Pb ppb	f_{206} %	Age ±1σ (Ma) 206/238	Age ±1σ (Ma) 207/206	Corr.
206	B.7-1	14:39	8.11	8.3	3181	106	2.0	.05	2817±10	2805±6	204
196 206 207 238 254	B.8-1	14:58	8.73	8.4	1338	38	3.1	.21	2708±15	2767±11	204
196 238 248	B.8-2	15:16	8.02	8.8	1839	60	1.4	.06	2815±13	2797±9	204
196 206 238 248 254	s1.3-6	15:35	8.02	8.5	1064	216	2.2	.13	564±1	541±24	208
207	B.9-1	15:54	8.00	8.6	3269	109	1.3	.03	2849±10	2835±6	204
206 254	B.9-2	16:12	8.15	8.3	1651	55	2.4	.11	2806±14	2787±9	204
0 208 248	B.10-1	16:30	8.40	8.2	5646	191	18.4	.26	2614±7	2780±5	204
206 207	s1.3-7	16:49	8.25	8.1	1115	214	0.9	.04	574±1	536±23	208
207	B.11-1	17:07	8.03	8.7	3394	116	7.8	.17	2735±9	2781±7	204
196 206 207	B.12-1	17:26	8.21	8.3	7218	260	5.2	.05	2587±6	2750±4	204
	B.13-1	17:49	8.06	8.1	2292	82	3.3	.10	2762±11	2779±8	204
207 238	s1.3-8	18:07	8.00	8.4	1055	218	2.2	.06	564±1	620±24	208
248	B.14-1	18:27	8.01	8.4	1823	63	2.1	.09	2753±13	2802±9	206
254 206 248	B.15-1	18:48	8.04	8.1	2528	88	4.4	.1	2825±11	2827±8	206
206	B.16-1	19:10	8.16	7.9	2520	91	5.3	.15	2746±11	2797±8	206
	B.17-1	19:29	8.15	7.9	2565	90	2.5	.07	2793±11	2804±7	206
206 207	s1.3-9	19:49	7.97	8.1	1027	220	1.3	.05	569±1	613±24	208
238 48 254	B18-1	20:08	7.99	7.9	1837	86	7.0	.24	2437	2801±9	204
206,7 48 254	B19-1	20:27	8.25	8.4	3817	141	129	.26	2490±8	2768±7	204
196 238 254	B20-1	20:46	7.94	8.18	3111	121	3.5	.08	2649±9	2798±7	206
	B21-1	21:05	8.11	8.	7236	263	5.9	.06	2722±6	2780±4	204
206 7	B22-1	21:23	8.06	8.1	4189	150	1.7	.03	2754±9	2801±6	206
206 254	s1 3-10	21:43	8.04	8.1	1057	219	2.2	.05	573±1	620±24	208
206 208 238 254	B23-1	22:01	7.93	8.4	2438	90	0.7	.02	2716±11	2830±7	204
196 207 248	B24-1	22:23	7.45	7.8	700	49	4.2	.3	1942±11	2838±16	206

Mount/sample No: 96-208 A   Date: 9/7/96   Page No: 3

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.
38 48	B25-1	22:42	7.98	8.1	2037	73	1.8	.06	2821±13	2857±8	206
196 206 7.8.38 548	B26-1	23:02	9.63	7.4	3221	374	47.9	1.5	696±1	2765±10	204
206	Sl 3-11	23:26	7.96	7.8	983	220	-0.3	.03	568±1	624±24	208
	A1-1	23:57	8.11	8.	4036	153	2.	.04	2613±8	2634±6	208
206 208 254	A2-1	0:16	7.88	8.5	7082	216	159.8	1.6	3143±8	2670±7	204
196 254	A3-1	0:35	8.04	7.8	8929	333	11.5	.09	2766±6	2572±4	204
	A4-1	0:54	8.13	7.9	3725	145	1.2	.02	2581±5	2643±6	206
206 207 238	Sl 3-12	1:17	8.22	7.9	1064	213	3.1	.05	576±1	573±24	208
206,7.8.38.48.56	A5-1	1:37	8.31	7.96	11.6K	423	4.5	.03	2596±5	2636±4	204
206 206,7,8.38	A6-1	1:55	8.11	8.15	5234	190	94.8	1.3	2649±7	2648±8	204
206.7.8.48.56	A7-1	2:14	8.62	8.2	7619	243	50.9	.59	2586±6	2541±6	206
207 238 248 256	A8-1	2:39	8.12	8.26	5172	175	16.6	.2	2800±8	2900±5	204
206	Sl 1-1	2:59	7.94	8.37	1107	228	1.8	.08	574±1	510±24	208
196 208 254	A9-1	3:24	8.18	9.2K	5024	167	27.	.46	2548±7	2604±7	204
	A9-2	4:28	8.25	8.27K	6743	241	44.3	.51	2585±6	2626±6	204
206,7 248	A10-1	4:47	7.50	8.5	6115	253	90.9	.92	2739±7	2656±7	204
196 206 208 238 248 256	A11-1	5:09	8.17	8.1	5504	199	7.3	.09	2666±7	2613±5	206
	Sl 1-2	5:29	7.9	8.6	1069	220	0.6	.09	568±1	573±24	208
196 206 206 248	A12-1	5:49	7.81	8.9	4326	162	6.5	.1	2644±8	2636±6	204
206	A13-1	6:06	8.14	8.6	8678	295	3.4	.03	2693±6	2637±4	206
	A14-1	6:28	8.16	8.5	11.2K	389	27.8	.19	2640±5	2637±4	204
206 254	A15-1	6:48	7.75	9.2	5602	210	13.	.17	2619±7	2632±6	204
204 207	A16-1	7:16	8.18	8.14	10.2K	386	23.8	.18	2543±5	2637±4	204

B YQ120 28   A YQNW 17

14 STD

Zr/U 2.19259

UO/U 8.03878   -1STD σ 1.18%

Pb*/U 0.281294