

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 28/6/97 UWA Mount No. 97-11 Whose sample? Stu Operator(s) IF + SB

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 = 0.042 expected resolution = >4200

actual 206-207 = 1.000 actual 206-208 = 2.000 actual resolution = 6080

Primary = 3.7 nA PESABM = 46 pA actual Primary : PESABM (= 50:1) = 80

Raster time (mins): 1 Raster aperture (microns): 120 No. of scans: 5

Comments: * MERUGAL - ~~BRISBANE~~ QUARRY
 Sample: MQ

Rejection over-ride	Sample/Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	²⁰⁴ Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238	207/206	Corr.
	sl 1-1	11:22	6.48	17	1812	-	0.1	.05	-	501	208
	B. 1-1	11:38	6.71	17	1558	32	1.0	.09	2580	2657	204
	B. 2-1	11:53	6.64	17	4437	91	2.1	.06	2597	2673	204
	B. 3-1	12:07	6.99	15	8355	176	0.1	.00	2519	2585	204
	sl 1-2	12:21	6.85	15	1863	209	-ve	-	571	622	-
	B. 4-1	12:36	7.78	14	19K	309	21.	.20	2517	2425	204
	B. 5-1	12:50	7.48	15	15K	244	44.	.54	2469	2462	204
	B. 6-1	13:05	6.41	17	3890	87	0.6	.02	2721	2649	204
	B. 7-1	13:19	8.43	13	51K	770	75.	.31	2452	2136	204
	sl 1-3	13:35	6.61	16	1762	213	-ve	-	553	598	-
	B. 8-1	13:49	6.56	16	4800	111	0.2	.00	2607	2666	204

Delete last scan (204)

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238	207/206	Corr.
	B. 9-1	14:04	6.90	14	2708	88	15.0	.69	1845	2657	204
	B. 10-1	14:18	6.78	15	5660	124	1.3	.03	2564	2698	204
	B. 11-1	14:33	6.77	15	9000	197	17.	.25	2552	2659	204
	B. 12-1	14:47	6.52	19	3538	74	6.6	.26	2491	2637	204
	sl. 1-4	15:02	6.61	16	1814	215	0.5	.01	575	585	208
	B. 13-1	15:17	6.86	15.9	7188	136	3.3	.06	2720	2674 ± 5	204
	B. 14-1	15:34	7.64	15.9	18.5k	295	10.3	0.10	2446	2376 ± 4	204
	B. 15-1	15:50	6.63	16.6	265	5.4	-ve	-	2684	2724 ± 24	-
	B. 16-1	16:06	6.66	17.1	3698	77	8.3	.31	2541	2659 ± 8	204
	B. 17-1	16:21	6.62	16.3	3668	80	1.0	.03	2574	2681 ± 7	204
	sl. 1-5	16:41	6.78	15.4	1871	213	0.4	.04	578 ± 1	557 ± 35	-
	B. 18-1	16:58	6.59	17.4	3960	83	0.6	.02	2579	2753 ± 9	204
	B. 19-1	17:13	6.92	14.6	6007	149	23	.51	2280	2609 ± 7	204
	B. 20-1	17:29	6.71	13.2	2990	92	13.4	.50	2242	2390 ± 10	204
	B. 21-1	17:45	6.52	17.5	4298	91	0.3	.01	2613	2671 ± 7	204
	B. 22-1	18:01	7.01	14.8	10444	217	.6	.01	2544	2589 ± 4	204
	sl. 1-6	18:18	6.75	15.8	1886	210	0.6	.06	580 ± 1	544 ± 20	208
	B. 23-1	18:37	6.88	16.9	9440	198	3.7	.03	2365	2551 ± 4	204
	B. 24-1	18:54	6.67	16.2	4058	95	.3	.01	2412	2674 ± 7	204
	B. 25-1	19:09	6.58	16.7	4047	84	-ve	-	2680	2657 ± 6	204
	B. 26-1	19:25	6.61	16.5	3042	66	-ve	-	2597	2668 ± 7	204
	B. 27-1	19:40	6.81	16.1	4659	92	1.0	.03	2632	2661 ± 6	204
	B. 28-1	19:56	7.26	15.2	18.8k	380	9.1	.01	2348	2470 ± 3	204
	sl. 3-1	20:14	6.65	15.5	1743	220	0.7	.03	548 ± 1	605 ± 20	208
	B. 29-1	20:34	6.32	13.5	2845	92	1.8	.06	2405	2551 ± 8	204

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Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 K cps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238	207/206	Corr.
	B.30-1	20:49	6.90	15.8	9005	177	1.0	.02	2613	2625±4	204
	B.31-1	21:05	6.76	16.9	4692	91	0.5	.01	2635	2644±6	204
	B.32-1	21:21	6.68	16.9	2034	42	0.3	.02	2643	2649±9	204
	B.33-1	21:37	6.71	18.1	4687	93	1.5	.05	2479	2642±6	204
	SI.3-2	21:52	6.73	15.7	1848	215	-ve	-	563±1	582±19	-
	B.34-1	22:22	6.60	17.0	6301	136	1.0	.02	2558	2679±5	204
	B.35-1	22:39	7.09	15.6	8473	156	0.8	.02	2619	2644±5	204.
	B.36-1	22:55	6.22	15.7	3810	104	0.5	.01	2614	2672±7	204
	B.37-1	23:14	7.56	13.7	18.6k	392	3.2	.03	2246	2289±3	204
	B.38-1	23:30	6.62	16.3	1356	30	0.5	.05	2567	2654±11	204
	SI.3-3	23:47	6.30	14.9	1509	236	-ve	.02	544±1	563±22	208
	B.39-1	0:05	6.47	17.2	1520	38	1.2	0.1	2344	2688±12	204
	B.40-1	0:20	6.44	15.0	4697	120	0.0	-	2606	2674±6	204
	B.41-1	0:36	5.92	14.3	4828	171	1.1	.02	2597	2673±7	204
	B.42-1	0:51	7.77	15.3	10.5k	171	3.1	.06	2386	2317±5	204
	B.43-1	1:07	6.32	17.7	5133	116	-ve	-	2637	2676±6	204
	B.44-1	1:23	6.47	14.8	5253	140	1.3	.03	2509	2656±6	204
	SI.3-4	1:38	6.75	16.5	1848	208	-ve	%	555±1	613±20	208
	B.45-1	1:56	6.50	15.6	2751	65	-ve	-	2640	2686±8	204
	B.46-1	2:11	6.79	16.3	6444	129	-ve	-	2608	2668±5	204
	B.47-1	2:26	6.43	16.2	832	18	-ve	-	2771	2712±14	-
	B.48-1	2:42	6.48	18.1	5451	119	0.7	0.01	2512	2686±5	204
	B.49-1	2:57	6.64	15.9	1539	32	-ve	-	2731	2705±10	-
	SI.3-5	3:14	6.80	15.6	1864	208	0.5	-	576±1	502±20	-
	B.50-1	3:31	6.64	15.8	2234	49	-ve	-	2627	2678±8	-

Mount/sample No: 97-11 (B) Date: 29/6/97 Page No: 4

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 cps	206 cps	U ppm	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238 207/206		Corr.
	B.51-1	3:46	7.57	13.1	21k	538	6.5	-05	2002	2293±3	204
	B.52-1	4:05	6.65	15.9	2084	45	1.9	.11	2637	2679±9	204
	B.53-1	4:24	6.84	15.3	2975	61	0.0	—	2674	2708±7	204
	B.54-1	4:39	6.39	14.1	1880	50	1.7	-09	2716	2703±10	204
	S1.3-6	4:55	6.63	15.7	1778	218	.4	-03	561±1	576±20	208
	B.55-1	5:16	6.83	14.1	811	17	0.1	—	2792	2691±14	—
	B.56-1	5:33	6.90	15.3	2153	43	0.2	-01	2653	2664±9	204
	B.57-1	5:48	6.54	15.4	1048	26	0.0	—	2561	2683±12	—
	B.58-1	6:04	6.62	16.3	3031	68	1.5	-06	2529	2660±8	204
	B.59-1	6:20	6.60	16.6	3151	72	0.7	-03	2478	2657±8	204
	S1.3-7	6:39	6.42	16.7	1770	228	-ve	—	555±1	513±20	—
	B.60-1	6:55	6.90	13.6	2041	44	0.2	-01	2733	2689±9	204
	B.61-1	7:10	6.55	16.0	2704	63	-ve	—	2548	2656±8	—
	B.62-1	7:25	6.79	15.7	1191	24	-ve	—	2655	2645±12	—
	B.63-1	7:41	6.66	15.4	2570	57	-ve	—	2646	2698±8	—
	B.64-1	7:57	6.46	16.3	2680	64	0.5	-02	2538	2668±8	204
	S1.3-8	8:14	6.75	15.4	1805	212	0.2	-02	567±1	565±19	—
	B.65-1	8:32	6.29	15.8	2755	73	0.7	-03	2568	2657±8	204
	B.66-1	8:48	7.07	14.6	9699	198	-ve	—	2554	2675±4	—
	S1.3-9	9:03	6.82	14.7	1788	211	0.0	-04	572±1	588±20	208