

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date	UWA Mount No.	Whose sample?		Operator(s)					
1/8/97	97-20	SB		SB/IF					

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 = 8.169 actual 204-bkg = 0.041 expected resolution = >4200
 actual 206-207 = 0.999 actual 206-208 = 1.998 actual resolution = 4940

Primary = 2.0 nA PESABM = 33 pA actual Primary : PESABM (≈ 50:1) = 61
 Raster time (mins): 1 Raster aperture (microns): 120 μ No. of scans: 5

Comments:

KU-3

stds.
n = 15
% error = 1.60%
used default slope = 2.0

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U K cps	196 cps	206 cps	U ppm	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238 207/206		Corr.
	Sl. 2-1	12:22	6.23	11.1	1193	220	2.0	-13	571 ± 1	496 ± 26	208
	Sl. 2-2	12:48	6.46	10.5	1213	210	0.9	-06	576 ± 1	563 ± 24	208
	C. 1-1	13:05	6.34	10.8	277	9	0.3	+08	2784	2645 ± 30	204
	C. 2-1	13:12	6.28	10.5	1075	36	0.6	+04	2714	2663 ± 16	204
	Sl. 2-3	13:39	6.34	10.3	1186	208	-ve	+05	589	533	208
	C. 3-1	14:01	6.27	10.4	983	33	2.2	+17	2772	2608 ± 15	204
	C. 4-1	14:21	6.47	10.5	1725	67	3.1	+15	2238	2716 ± 10	204
	C. 5-1	14:36	6.45	10.3	1202	40	0.5	+04	2611	2674 ± 12	204
	C. 6-1	14:51	6.47	10.4	1210	38	2.9	+20	2700	2714 ± 13	204
	C. 7-1	15:06	6.57	10.4	1895	44	0.8	+04	3290	3015 ± 8	204
	Sl. 2-4	15:22	6.26	10.6	1176	224	3.7	+07	572	492	208

core

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.
	C-8-1	15:38	6.42	10.6	989	31	1.4	.12	2699	2637	204
core	C-9-1	15:54	7.05	10.1	2343	80	7.1	.32	2064	2682	204
	C-10-1	16:10	6.31	11.9	2793	97	14.	.41	2354	3002	204
	C-11-1	16:25	6.40	10.6	1534	48	1.8	.10	2736	2650	204
core	C-12-1	16:40	6.39	10.7	2358	75	0.3	.01	2697	2668	204
core	C-13-1	16:55	6.45	10.8	2458	77	5.2	.18	2640	2657	204
	Sl 2-5	17:13	6.28	10.6	1119	224	1.0	.12	552	641	—
	C-14-1	17:29	6.17	10.7	1000	35	-ve	—	2724	2661	—
	C-15-1	17:49	6.34	10.7	751	25	3.0	.33	2608	2658	204
	C-16-1	18:06	6.47	10.4	1838	58	1.1	.06	2677	2666 ± 10	204
	C-17-1	18:21	6.14	10.9	492	17	0.2	.02	2739	2680 ± 19	204
	C-18-1	18:36	6.45	10.6	1213	38	1.5	0.1	2673	2653 ± 12	204
	C-19-1	18:53	6.50	10.7	1242	38	0.5	.03	2664	2676 ± 12	204
	Sl 2-6	19:07	6.46	10.4	1169	209	-ve	.04	563	627	208
	C-20-1	19:27	6.26	10.8	349	11.7	-ve	—	2714	2667 ± 21	—
	C-21-1	19:42	6.21	10.6	752	26	1.2	0.1	2704	2684 ± 16	204
	C-22-1	19:58	6.42	10.4	2079	62	2.2	.08	2873	2867 ± 9	204
	C-23-1	20:14	6.38	10.5	1407	47	2.3	0.1	2641	2683 ± 12	204
	C-24-1	20:29	6.13	10.4	1696	66	5.3	.22	2598	2644 ± 11	204
	C-25-1	20:46	6.27	10.7	1127	37	1.5	.1	2725	2827 ± 12	204
	Sl 2-7	21:02	6.52	10.4	1179	206	1.5	.06	563	597	208
	C-26-1	21:19	6.36	10.4	208	5.9	0.5	.17	3075	3023 ± 29	204
Core? →	C-27-1	21:34	6.09	10.6	1953	68	-ve	—	2866	2835 ± 9	—
	C-28-1	21:49	6.37	10.5	657	24	1.8	.22	2501	2690 ± 18	204
	C-29-1	22:05	6.29	10.4	2174	67	3.1	.11	2941	2974 ± 8	204

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Rejection over-ride	Sample/ Std ID	Time - printout	UO/U K cps	196 cps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238 207/206	Corr.	
	C-30-1	22:23	6.41	8.9	513	17	0.5	-07	2948	2656±19	204
	C-31-1	22:37	6.57	9.9	762	24	0.1	<-01	2743	2685±14	204
	SI-2-8	22:54	6.40	10.5	1126	208	1.4	-13	557	617	—
	C-32-1	23:11	6.46	10.2	1291	41	1.4	-09	2700	2677±13	204
	C-33-1	23:29	6.40	10.4	547	18	1.1	-16	2729	2728±19	204
	C-34-1	23:45	6.47	10.3	1376	39	0.9	-05	2971	2970±10	204
	C-35-1	0:02	5.99	10.1	1050	37	3.7	-22	3060	2954±13	204
	C-36-1	0:17	6.33	10.5	1099	37	0.8	-06	2697	2675±14	204
	C-37-1	0:34	6.25	10.1	1510	55	0.2	-01	2673	2657±10	204
	SI-2-9	0:51	6.41	10.3	1135	209	1.1	0.1	567	505	208
	C-38-1	1:07	6.17	10.2	1080	41	0.9	-06	2632	2666±13	204
	C-39-1	1:24	6.52	10.0	1606	52	0.8	-04	2668	2662±10	204
	C-40-1	1:41	6.46	10.4	1263	42	4.4	-3	2591	2681±13	204
	C-41-1	1:57	6.41	10.4	804	27	4.1	-4	2581	2654±18	204
	C-42-1	2:12	6.08	10.7	1130	54	5.02	-3	2173	2682±14	204
	C-43-1	2:31	6.78	10.3	1988	76	5.614	-7	2026	2670±12	204
	SI-4-3	2:51	6.25	10.4	1123	224	2.1	-2	561	598	208
	C-44-1	3:10	6.04	10.1	887	34	1.0	-07	2828	2814±14	204
	C-45-1	3:25	6.37	10.3	1052	35	3.2	-24	2699	2641±15	204
	C-46-1	3:39	6.22	10.1	1038	37	1.4	-10	2796	2796±13	204
	C-47-1	3:56	6.03	10.6	600	23	1.9	0.2	2660	2813±19	204
	C-48-1	4:11	6.47	9.9	1211	39	0.9	-06	2741	2656±13	204
	C-49-1	4:29	6.20	10.3	721	25	0.6	-06	2761	2679±15	204
	SI-4-4	4:45	6.25	10.4	1149	223	-ve	-05	579	601	208
	C-50-1	5:00	6.48	10.4	1513	54	1.1	-06	2414	2656±11	204

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 cps	206 cps	U ppm	²⁰⁴ Pb ppb	f ²⁰⁶ %	Age ±1σ (Ma)		Corr.
									206/238	207/206	
	c.51-1	5:15	6.16	10.4	929	33	2.5	.19	2789	2773±15	204
	c.52-1	5:33	6.29	9.3	212	9.3	0.1	.04	2404	2694±29	204
	c.53-1	5:49	6.42	9.9	1425	61	3.2	.17	2212	2684±12	204
	c.54-1	6:08	6.52	9.8	627	20	1.2	.16	2738	2671±17	204
	c.55-1	6:23	6.48	10.1	985	27	2.4	.19	3032	3029±12	204
	sl.4.5	6:40	6.22	10.3	1171	226	-ve	.02	596	555	208
	c.56-1	6:58	6.43	4.6	411	20	-ve	—	3726	2720±21	—
	c.57-1	7:14	6.21	10.4	209	7.3	2.6	.9	2735	2671±46	204
	c.58-1	7:31	6.36	10.3	2529	76	3.6	.1	2948	2992±8	204
	c.59-1	7:48	6.33	10.3	600	22	1.5	.2	2577	2668±18	204
	c.60-1	8:03	6.68	9.3	1535	56	10.7	.6	2394	2667±14	204
	c.61-1	8:19	6.40	10.0	2213	77	5.4	.19	2615	2657±9	204
	sl.4.6	8:34	6.10	10.3	1123	231	0.5	.04	596	579	208

CORE ?