

1.5 - 2.2
1 std dev. 1.35%

Zr/U 2.15744
Uo/U 6.90729
Pb/U 0.167325 n=3

Zr/U 2.25835
Uo/U 6.73052
Pb/U 0.16784 n=8

1 std dev. 3.85%

UWA SHRIMP DATA LOG: ZIRCON U-Pb

Date: 28/7/95
UWA Mount No.: 95-04
Whose sample?: Liang Wang
Operator(s): IF+LW

Indicate any change to the following:	196	204	bkg	206	207	208	238	248	254
Precambrian Count time (secs):	2	10	10	10	40.30	10	5	5	2
Precambrian Delay time (secs):	8.7	3	1	2	1.2	1	3	2	2
Phanerozoic Count time (secs):	2	10	10	10	10	10	5	5	2
Phanerozoic Delay time (secs):	6	3	1	2	1	1	3	2	2

expected 196-204 = 8.170 amu expected 204-bkg = 0.040 amu Dead-time = 36 nanosecs
 actual 196-204 = 8.170 actual 204-bkg = 0.040 expected resolution = >4200
 Primary = 2.6 nA PESABM = _____ pA actual resolution = 5100
 expected Primary : PESABM ≈ 50:1 actual Primary : PESABM = _____

Comments from Log Book:

All { Zr/U : 2.23083
 Uo/U : 6.77873
 Pb/U : 0.167699
 n=11 (std. dev. 4.25%)

Rejection over-ride	Sample/Std ID	Time - printout	196 cps	206 cps	U ppm	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238	207/206	Corr.
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High background
 count 204 counts
 Check Scans - reasons ok

Primary unstable during analysis.

	sl. 954.1-1	17:21	9.5K	740	cal	-4.2		659	208	
	sl. 954.1-2	17:58	11K	818	178	1.0	0.1	547	552	208
	sl. 954.1-3	18:20	11K	831	182	-0.5		548	535	208
	U 954A1.0	19:04	12K	1326	46	13.7		2224±9	2733±15	204
	A2.1	19:27	9K	1728	83	20.3		2528±9	2705±11	204
	sl. 954.1-4	19:51	10K	745	192	-1.0		515	553	208
	A3.1	20:16	11K	684	30	14		2509±16	2712±23	204
	A4.1	20:40	9.4K	1280	75	81		2387±10	2653±22	204
	A5.1	21:02	8.2K	2023	90	215		1936±8	2749±26	204
T	sl. 954.1-5	21:28	9.2K	673	185	0.9		500	577	208
	A6.1	21:51	8.9K	1391	74	-0.1		2542±10	2785±8	no
	A7.1	22:14	8.4K	2362	160	649		1560±7	2614±41	204

Zr/U: 2.25436
 Uo/U 6.72836
 Pb/U 0.167434
 n=8
 1 std. dev. 3.57%

Rejection over-ride	Sample/ Std ID	Time - printout	196 cps	206 cps	U ppm	204Pb ppb	f206 %	Age $\pm 1\sigma$ (Ma) 206/238	207/206	Corr.
	A8-1	22:37	79K	518	18	2.1		2989 \pm 23	2761 \pm 17	204
	S1954.2-1	23:00	9.3K	728	193	-1.3		519	558	208
	A9-1	23:22	8.8K	634	29	30.1		2473 \pm 16	2717 \pm 30	204
	A10-1	23:46	9.9K	517	21	2.8		2709 \pm 18	2688 \pm 20	204
	A11-1	00:08	11.0K	1499	63	180		2547 \pm 12	2763 \pm 28	204
	S1954.2-2	00:30	10.3K	817	198	-1.1		527	503	208
	A12-1	00:58	9.7K	720	29	1.0		2485 \pm 14	2714 \pm 17	204
	A13-1	1:21	10.9K	1030	39	17		2668 \pm 13	2767 \pm 17	204
	A14-1	1:47	9.1K	4431	212	7.3		2624 \pm 6	2713 \pm 6	204
	S1954.2-3	2:12	4.2K	349	148	0.6		523	674	208
	A15-1	3:04	12K	377	13	2		2754 \pm 22	2683 \pm 26	204
	A16-1	3:28	13K	676	24	1.6		2739 \pm 16	2685 \pm 16	204
	A17-1	3:51	11K	168	58	-1.3		2858 \pm 35	2785 \pm 27	208
	S1954.2-4	4:14	13K	892	201	-0.3		539	574	—
	A18-1	4:38	9.0K	579	21	1.1		2760 \pm 20	2685 \pm 20	204
	A19-1	5:00	10K	2391	109	1.5		2840 \pm 19	2669 \pm 8	204
	A20-1	5:21	11K	2293	70	124		2647 \pm 10	2746 \pm 18	204
	S1954.2-5	5:43	12K	867	207	0.9		551	532	208
M	U954D1-1	6:19	12K	2949	145	274		1631 \pm 5	2814 \pm 18	204
M	D2-1	6:41	12K	1662	64	193		1814 \pm 9	2826 \pm 32	204
M	D3-1	7:05	12K	1329	56	-0.5		2782 \pm 11	2758 \pm 9	—
M	D4-1	7:27	12K	872	37	-4.5		2764 \pm 14	2789 \pm 11	—
M	D5-1	7:49	13K	1538	49	-1.2		2817 \pm 11	2788 \pm 8	—
	S1954.2-6	8:11	13K	873	190	1.2		543	504	208