

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 29/12/95 UWA Mount No.: 95-37 Whose sample?: Yumin Operator(s): IF + 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	10	5	5	2
	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
	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 = 8.168 actual 204-bkg = 0.045 expected resolution = >4200
 Primary = 3.0 nA PESABM = 50 pA actual resolution = 4686
 expected Primary : PESABM ≈ 50:1 actual Primary : PESABM = 6.0

Comments: ① diff 3 Stls, reduced 1m, improved spot shape

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.
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	196 204 207 208 238 248 254	58537.1-11	11:51	5.61	22	1688	-	2.0	0.2	-	586	208	
	196 204 207 238 254	1-12	12:16	5.47	20	1490	235	2.8	0.2	567	624	208	
①	turned 1m down a bit	206 207 238 254	1-13	12:37	5.66	22	1656	218	3.6	0.1	555	588	208
	206	1-14	13:02	5.73	19	1555	216	0.5	1.07	578	587	208	
	Sample YQ46 1° drops steadily 1.7	206 207 208 254	A1-1	13:30	5.67	18.6	979	27	4	.4	2652±14	2602±14	204
	204 206 207 238 254	2-1	13:56	5.39	18.1	432	14	4.2	.78	2681±21	2634±21	204	
	206 207 238 254	3-1	14:19	5.71	18.8	360	9.4	14.2	4.1	2572±24	2579±23	204	
	206 207 238 254	58537.1-15	14:43	5.81	19.7	1702	209	1.4	.07	598	498	208	
	196 207 238 254	A4-1	15:06	5.52	18.9	736	21	2	.2	2676±15	2689±15	204	
	196 206 207 248 254	1-16	15:32	5.91	19.3	1705	213	3.4	.1	571	579	208	
	196 208 238 254	A5-1	15:54	4.40	19.1	764	33	2.1	.1	4022±28	2660±13	204	

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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.
	A6-1									
	A6-1	16.17	5.82	17.	515	14	2.6	.5	2685±19 2593±21	204
	A7-1	16.39	5.31	22	2157	68	17.	.7	2489±8 2639±10	204
207 238 2480 2540	S1-12	17:01	5.77	20.	1790	216	1.5	.08	603 547	208
196 207.7.8 238 254	A8-1	17:24	5.	22.2	887	38	3.7	.3	2376±11 2659±15	204
207	S13-1	17.53	5.78	22.2	1663	199	0.7	.1	557 556	208
206 207 2380 254	A9-1	18:16	6.24	21.1	852	19.	1.5	.3	1790±8 2608±15	208
196 208 238 248 254	A10-1	18:38	5.9	20.8	1430	30	4.4	.4	2655±11 2630±12	204
206 208 238 248 254	A11-1	19:01	5.67	20.8	1619	38	16.4	1.1	2700±11 2635±14	204
196 206 208 248	A12-1	19.23	5.64	20.7	1213	31	1.2	.1	2597±12 2663±11	204
206 238 254 248	A13-1	19:44	5.68	20.8	1019	25	-0.4	✓	2625±13 2660±11	✓
196 207 208	S13-2	20.09	5.6	21.4	1667	231	2.2	.04	560 552	208
204 2380 248	A14-1	20:31	5.46	21.	852	23	5.5	.6	2669±15 2642±16	204
196 207 208 238 254	A15-1	20:53	5.49	20.7	498	14	2.	.4	2582±18 2641±23	204
206 7 238 254	A16-1	21:15	5.78	20.8	1217	28	0.3	.03	2627±12 2648±11	204
196 206 207 208 2380 248 254	A17-1	21:38	5.31	22	2277	70	11.3	.5	2542±8 2630±9	204
196 207 2540 2480	S13-3	22	5.77	21.7	1848	218	1.3	.1	581±1 611±17	204
196 204 206 208 238 254	A18-1	22:23	5.88	22.3	2302	60	81.	4.7	2042±7 2687±18	204
196 206 207 208	A19-1	22:48	5.47	22.2	1714	55	5.9	.36	2199±7 2636±10	204
207.8 238 248 254	A20-1	23:09	5.62	21.	1167	32	6.3	.6	2460±11 2592±15	204
196 206 208 238 248	A21-1	23:30	5.7	21.5	1266	29	4.6	.4	2661±12 2617±12	204
196 206 238 248	S13-4	23:55	5.87	22.1	1942	204	1.	.003	600±1 556±16	208
248	A22-1	24:24	5.56	19.6	448	12	1.6	.36	2723±21 2648±22	204
196 207 248	S13-5	0:45	5.65	22.	1799	222	2.1	.06	586±1 550±17	208
206.7.8	A23-1	1:09	5.13	19.4	563	21	5.8	.7	2711±18 2622±24	208
206 254	A24-1	1:31	5.59	22.7	1209	28	1.9	.08	2702±12 2607±12	204

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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.
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196 26.7.8 238 254	A25-1	1:53	5.23	22.7	2209	66	2.3	0.09	2670±9	2594±8	204
	A26-1	2:16	5.25	23.6	566	17.	-0.4	—	2498±10	2631±21	208
196 206 27 248 254	S13-6	2:38	5.75	21.9	1860	218	1.6	.05	586±1	580±17	208
196 26.7.8 238 254	A27-1	3:32	5.38	20.8	671	21	0.6	.08	2545±15	2594±15	204
196 28 238 254	A28-1	3:53	5.39	21.	1007	29	0.5	.05	2626±13	2632±11	204
196 27	A29-1	4:15	5.41	21.9	1371	38	0.4	.03	2658±11	2684±10	204
26.7.8.	A30-1	4:37	5.37	19.8	824	27	1.7	.18	2567±14	2632±14	204
196.26.7.8. 238	A31-1	4:59	5.4	21.3	875	27	1.4	.16	2493±13	2580±15	204
238 248	S13-7	5.22	5.59	21.7	1744	227	1.7	.1	586	—	208
206.6.7.8 238.248	A32-1	5:44	5.16	13.5	564	35	10	.9	2353±14	2617±24	204
204.7.8.238.254	A33-1	6:17	5.28	26.8	504	14.	11.2	2.	2728±21	2563±33	204
26.7 238 254	A34-1	6:42	5.23	22.3	520	16	4.2	.7	2619±18	2629±24	204

14 STD

21U: 1.86736
 UO/U: 5.09337
 Pb/U: 0.150977

1.86785
 5.70607
 0.151011

1std: 2.46%