

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 22/8/97 UWA Mount No. 47-23 Whose sample? Stu Brown Operator(s) IF + AR

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 ✓
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 nanoseconds

actual 196-204 = 8.168 actual 204-bkg = 0.041 expected resolution = >4200

actual 206-207 = 1.000 actual 206-208 = 2.000 actual resolution = 4875

Primary = 3.1 nA PESABM = 52 pA actual Primary: PESABM (= 50:1) = 60

Raster time (mins): 1 Raster aperture (microns): 100 No. of scans: 6

Comments: follows 97-22 c.

*Stem dev'ds
 error = 1.25
 n = 11*

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.
	sl 5-4	17:02	6.04	15.6	1504	-	-ve	-	-	559	-
	sl 5-5	17:20	6.00	15.9	1574	222	2.1	.18	570	504	204
	D.1-1	17:37	5.96	15.7	2020	59	15.	.70	2527	2666	204
	D.2-1	17:54	5.69	17.5	2370	81	30.	1.2	2307	2647	204
	D.3-1	18:13	5.67	14.9	2220	76	4.1	.14	2634	2664	204
	D.4-1	18:34	5.61	17.2	1394	432	0.4	.03	2672	2671	204
	sl 5-6	18:55	6.05	15.9	1592	223	0.5	.04	581	515	204
	D.5-1	19:12	5.88	15.9	1606	48.5	7.2	.42	2531	2681	204
	D.6-1	19:34	6.16	14.7	2023	523	0.2	.01	2714	2645	204
	D.7-1	19:51	5.99	15.0	1203	34.4	0.5	.52	2636	2711	204
	D.8-1	20:08	5.96	15.3	1760	448	239	12.9	2579	2673	204

Called up in file

Mount/sample No: 97-23

Date: 22/8/97

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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.
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	S1.5-7	20:27	5.95	15.4	1448	226	0.2	.01	568	573	204
	D.9-1	20:48	5.73	15.3	771	24	0.6	.07	2733	2669	204
	D.10-1	21:06	5.55	16.2	759	24	0.5	.05	2785	2666	204
	D.11-1	21:22	7.41	11.1	132k	2916	2456	2.7	2420	2112	204
	D.12-1	21:43	5.86	14.9	1077	343	264	2.1	2526	2677	204
	S1.5-8	22:01	6.05	15.3	1500	225	0.9	.08	563	571	204
	D.13-1	22:19	6.34	15.1	2788	151	1138	48.7	691	2310	204
	D.14-1	22:36	6.15	14.3	1017	268	0.3	.03	2730	2652	204
	D.15-1	22:53	6.42	13.6	716	176	0.5	.07	2697	2706	204
	D.16-1	23:11	6.20	14.6	1512	47.7	194	13.1	2012	2750	204
	S1.5-9	23:29	6.00	14.9	1448	225	0	-.004	575	552	204
	D.17-1	23:29	6.00	14.9	1448	225	0	-.004			
	D.17-1	23:49	6.12	14.2	1176	32	0.3	.03	2687	2667	204
	D.18-1	00:05	6.08	13.3	1824	90.1	270	13.2	1553	2588	204
	D.19-1	00:27	6.22	14.8	880	25	21	2.5	2129	2694	204
	S1.5-10	00:44	6.06	14.3	1408	222	-ve	-	571	575	-
	D.20-1	01:02	6.78	14.6	3309	142	607	25.1	1047	2603	204
	D.21-1	1:21	5.91	11.8	1177	75	37	2.3	1672	2572	204
	D.22-1	1:46	5.81	14.7	825	26	0.2	.02	2663	2603	204
	S1.5-11	2:03	6.07	13.4	1357	229	1.4	.09	566	543	204
	D.23-1	2:20	6.36	13.8	1917	58	4.4	11.4	2070	2613	204
	D.24-1	2:38	5.98	13.8	1814	58	15.8	.86	2563	2668	204
	D.15-2	3:01	5.77	14.7	1892	46	3.7	.22	2638	2691	204
	S1.5-12	3:18	5.94	14.4	133	228	0.7	.01	548	581	204
	D.20-2	3:37	6.29	124	3092	118	594	17.8	1794	2621	204

