

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 19/8/97 UWA Mount No. 97-23 ^A/_B/_C Whose sample? AG-SO Operator(s) IRF/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 10 5 5 2
 Phanerozoic* Delay time (secs): 70 3 1 2 1 1 3 2 2

expected 196-204 = 8.170 amu expected 204-bkg = 0.040 amu Dead-time = nanosecs

actual 196-204 = ~~8.170 amu~~ actual 204-bkg = ~~0.040 amu~~ expected resolution = >4200

actual 206-207 = ~~1.000~~ actual 206-208 = ~~2.000~~ actual resolution = ~~5100~~

Primary = ~~2.8~~ nA PESABM = ~~40~~ pA actual Primary : PESABM (= 50:1) = ~~70~~

Raster time (mins): ~~1~~ Raster aperture (microns): ~~120~~ No. of scans: ~~6~~

Comments:

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.
	S1.5-1	11:33	5.66	16	1468	—	—	.004	—	557	208
	S1.5-2	12:01	5.86	14.6	1453	220.1	-0.5	.02	550	627	208
	UA-1-1	12:22	5.89	15.5	3161	84	33.	1.1	2476	2674	204
	A.2-1	12:40	5.44	14.3	5506	157	19.	.36	2453	2628	204
	A.3-1	13:01	5.62	15.8	3281	100	28.	.81	2506	2660	204
	A.4-1	13:20	6.07	14.3	4016	103	5.6	.16	2525	2683	204
	S1.5-3	13:38	5.64	15.2	1385	225	0.6	.05	569	520	204
	A.5-1	13:56	5.80	14.9	3989	113	7.7	.19	2547	2689	204
	A.6-1	14:13	5.85	14.3	3917	111	0.4	.01	2562	2680	204
	A.7-1	14:30	5.74	14.1	4352	155	1.8	.04	2268	2674	204
	A.8-1	14:48	6.09	13.6	5661	161	53.	1.0	2382	2689	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.
	A.9-1	15:05	5.84	14.6	2217	60	2.4	.11	2585	2691	204
	sl 2-1	15:28	5.81	15.6	1460	207	1.9	.17	558	524	204
	A.10-1	15:54	6.09	14.5	2944	78	36.	1.04	2383	2705	204
	A.11-1	16:21	6.12	14.4	4646	113	17.	.42	2560	2687	204
	A.12-1	16:42	6.03	15.4	2486	61	54	2.5	2452	2662	204
	A.13-1	16:59	6.32	11.8	7785	219	20	0.28	2442	2620	204
	A.14-1	17:18	6.03	15.1	2994	77	56	2.1	2393	2680	204
sl	sl 2-2	17:39	5.66	16.8	1499	218	0.3	.01	564	514	204
Co 95	A.15-1	18:04	6.27	14.4	7569	181	76	1.3	2418	2583	204
	A.16-1	18:21	5.84	14.4	3198	100	19	0.6	2359	2684	204
	A.17-1	18:39	6.03	15.3	2514	64	44	2.0	2402	2720	204
	A.18-1	19:00	6.23	14.4	4828	118	47	1.2	2410	2631	204
	A.19-1	19:17	5.96	14.4	2844	73	46	1.7	2603	2644	204
	A.20-1	19:36	6.20	14.2	5721	151	16	.33	2334	2610	204
sl	sl.4-6	19:53	5.60	16.0	1425	228	0.4	.06	561	589	204
	A.21-1	20:12	6.00	14.7	4154	120	34.6	.07	2282	2636	204
	A.22-1	20:42	5.95	14.7	5883	170	84.1	1.5	2336	2585	204
	A.23-1	21:02	6.05	14.7	4168	100	3.8	.11	2630	2615	204
	A.24-1	21:38	6.71	12.2	10.6k	398	40.2	.53	1589	2095	204
	A.25-1	21:56	6.13	14.6	5161	159	38	.89	2057	2489	204
	A.26-1	22:14	5.99	14.9	5467	137	6.8	.14	2582	2685	204
	sl.7-1	22:36	6.21	13.7	1530	202	—	—	556	587	—
	B.12-1	23:03	6.13	10.9	1832	74	81	4.0	2021	2521	204
	B.13-1	23:51	6.64	12.9	3311	70	365	14.7	2229	2666	204
	B.14-1	00:12	5.86	15.1	1460	37	0.4	.03	2659	2690	204

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.

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 K cps	206 cps	U ppm	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238	207/206	Corr.
	B.15-1	0:46	5.91	14.5	1434	38	0.3	.02	2634	2680	204!
	B.16-1	1:41	6.07	14.0	5917	150	9.2	.17	2587	2656	204.
	sl.7-2	1:31	5.98	14.0	1452	212	—	—	554	595	208
	B.17-1	1:50	6.16	14.1	1435	38	15	1.2	2333	2680	204
Didn't print Problems w/ Printer	B.18-1	?	?	?	?	31	2.1	?	2654	2696	204!
	B.19-1	2:37	6.22	12.7	746	94	70	9.8	560	2815	204
	B.20-1	3:14	6.02	13.4	1214	31	0.5	.05	2699	2684	204!
↑ B ↓ C	B.21-1	3:32	6.15	13.5	4786	121	21	.48	2566	2668	204
	sl.7-3	3:50	5.80	14.8	1412	222	—	—	544	529	—
	C.24-1	4:18	6.12	11.9	90K	2163	9.7	.01	3003	2650	204
Delete last scan	C.25-1	4:35	6.45	12.8	33K	714	5.0	.02	2736	2650	204
	C.26-1	5:28	6.25	11.0	4180	115	4.1	.03	2730	2707	204!
	C.27-1	5:45	6.28	13.5	5129	109	77	1.8	2769	2633	204
	C.28-1	6:19	6.07	13.0	4837	134	3.5	.02	2546	2640	204
	sl.7-4	6:36	5.80	14.7	1418	219	0.1	.01	556	551	204
	C.29-1	7:35	6.07	13.3	15K	438	22	.15	2503	2637	204
Delete last scan	C.30-1	7:57	5.93	14.1	9769	276	13	.14	2518	2642	204
	sl.6-5	8:15	6.25	13.1	1482	199	0.4	.04	552	590	208