

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 11/3/97 UWA Mount No. 96-83 Whose sample? DR/CY Operator(s) IF + CY

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 = 8.167 actual 204-bkg = .043 expected resolution = >4200
 actual 206-207 = 1.000 actual 206-208 = 2.000 actual resolution = 4980
 Primary = 2.8 nA PESABM = 40 pA actual Primary : PESABM (= 50:1) = 70
 Raster time (mins): 2 Raster aperture (microns): 100 No. of scans: 6

Comments: C = 345 Aibi ?
 A = 330 Aidi (DATG) Mc McClure
 B = 330 Aidi ?

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.
206 207 254	sl 683.5-1	10:42	6.56	14.4	1269	-	0.2	.00	- 532	-
206	sl 5-2	11:02	6.69	14.1	1270	215	1.0	.00	564 543	-
208 238 206 207 248 254 all fail	u 683C.1-1	11:22	7.15	14.6	3014	84	6.8	.25	2346 2601	204
248	u C.2-1	11:40	6.85	13.9	4066	120	2.7	.06	2597 2630	204
196 206	sl 5-3	12:04	7.06	13.7	1378	201	1.0	.02	575 551	208
207	C.3-1	12:22	6.68	14.9	2867	80	4.9	.16	2722 2757	204
207 238 248	C.4-1	12:42	7.31	14.2	6083	184	25.	.49	2120 2341	204
196 206 238 248 254	C.5-1	13:01	6.61	13.9	1971	71	3.1	.13	2388 2618	204
206 207 208 248	C.6-1	13:19	6.67	14.5	3315	107	13.	.36	2487 2547	204
check printout 196 238 254	sl 5-4	13:49	6.80	14.2	1353	205	-ve	-	593 559	-
206 207 208 238 254 248 all fail	C.2-2	14:07	6.33	13.2	2830	106	17.	.42	2694 2584	204

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.
248	C.1-2	14:25	6.90	15.3	4615	138	16	.37	2322	2483	204
196 238	sl 5-5	14:45	6.90	14.0	1321	206	2.4	.22	562	499	204
196 206 207 248 254	A.1-1	15:05	6.81	13.8	2053	60	-ve	-	2684	2633	-
196 248 254	A.2-1	15:22	6.80	14.4	2825	80	-ve	-	2671	2657	-
196 206 208 248 254	A.3-1	15:40	6.94	14.1	1420	40	7.1	.49	2574	2662	204
196	A.4-1	15:59	7.12	13.5	2137	55	3.3	.16	2701	2677	204
196 207 208 238 254 206 248 206	A.5-1	16:20	6.94	14.2	5423	148	3.7	.07	2638	2666	204
206	sl. 5-6	16:41	6.66	14.6	1312	216	-ve	.02	567	567	208
196	A.6-1	Primary unstable. Analysis complete but dubious. File overwritten.									
196	A.6-1	17:19	6.82	14.1	1022	28.3	2.9	.27	2728±15	2657±14	204
196	A.7-1	17:39	6.80	14.2	1111	32.1	-0.2	-	2633±14	2668±11	-
206 238 248	A.8-1	17:58	7.14	14.1	2770	65.6	0.5	.02	2778±10	2650±7	204
206 248	sl. 5-7	18:17	6.91	14.5	1403	203	0.6	.05	580±1	-	208
-	A.9-1	18:36	6.76	15.1	1387	36.0	1.9	.13	2778±13	2686±11	204
196	A.9-2	18:54	6.90	14.4	1713	43.6	0.8	.04	2793±12	2677±9	204
206 207	A.9-3	19:11	6.94	14.4	1164	30.6	0.4	.03	2685±14	2686±13	204
196	A.10-1	19:33	6.65	15.0	1925	52.6	-	-	2787±11	2642±8	-
196	sl. 5-8	19:52	6.84	14.8	1391	204.1	0.0	.00	580±1	574±20	208
207 254	A.11-1	20:13	6.62	14.5	1592	46.1	-	-	2733±12	2667±9	-
204 207	A.12-1	20:33	6.85	14.6	1141	29.5	5.1	.44	2756±15	2675±15	204
196 206 238 248 254	A.13-1	20:51	6.96	13.9	1078	28.8	1.2	.11	2718±15	2683±12	204
196 206 254	A.14-1	21:10	6.84	14.5	1079	28.9	0.0	-	2727±15	2662±11	-
-	A.15-1	21:31	6.78	15.0	1539	40.9	0.6	.04	2728±12	2648±10	204
196 208	sl. 3-1	21:52	6.47	15.4	1378	226.6	-	-	589±1	582±20	-
196 248 254	A.16-1	22:11	7.20	14.2	4133	98.3	0.8	.02	2688±8	2665±6	204

X

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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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-	A.17-1	22:29	6.86	14.8	1129	28.9	0.7	.06	2757±15	2656±12	204
196	A.18-1	22:48	6.70	14.9	1041	28.4	0.2	.02	2751±15	2666±12	204
196	A.19-1	23:08	6.56	14.9	1547	47.0	0.3	.02	2655±12	2676±10	204
196 206 207 248	A.20-1	23:27	6.87	14.6	1943	52.0	0.5	.02	2677±11	2638±9	204
-	A.21-1	23:45	6.86	15.1	1777	45.9	0.9	.05	2687±11	2658±9	204
196 206 196 206	A.22-1	00:03	6.91	14.4	1203	30.8	4.3	.36	2763±15	2666±13	204
254	S1.3-2	00:22	6.56	15.5	1398	217.2	0.8	.07	590±1	538±24	204

Went to 96-53