

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 8/9/97 UWA Mount No.: 97-24 Whose sample?: Chris Yeats + Pellard Operator(s): McW + 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): 78 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 = 8.162 actual 204-bkg = 0.040 expected resolution = >4200
 actual 206-207 = 1.000 actual 206-208 = 1.999 actual resolution = 4678

Primary = 2.4 nA PESABM = 31 pA actual Primary: PESABM (= 50:1) = 77
 Raster time (mins): 1.0 Raster aperture (microns): 100 No. of scans: 6

Comments: D = N1M-1 = C. Yeats
 C = OS-3 = Pellard

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.
	Sl. 4-1	9:42	6.47	10.2	1291	220	-0.9	-	572 ± 1	573 ± 20			-
	Sl. 4-2	10:08	6.39	10.3	1249	224	-0.8	-	557 ± 1	576 ± 21			-
	C. 1-1	10:26	6.65	8.9	4.7K	494	5.3	.11	956 ± 1	1319 ± 10			204
	C. 1-2	10:43	6.66	9.1	5.6K	414	4.9	-0.9	1268 ± 2	1447 ± 9			"
	Sl. 4-3	11:01	6.32	10.0	1284	241	0.4	-0.3	572 ± 1	615 ± 36			"
	C. 2-1	11:19	7.44	9.0	4.1K	271	9.4	-3.1	1080 ± 2	1313 ± 14			"
	C. 2-2	11:40	7.05	8.6	3.2K	329	6.7	-2.3	859 ± 1	1210 ± 14			"
	C. 3-1	11:59	7.30	9.1	5.0K	286	7.3	-1.9	1265 ± 2	1394 ± 10			"
	Sl. 4-4	12:16	6.41	9.7	1272	230	0.0	-	583 ± 1	551 ± 21			-
	C. 4-1	12:33	8.44	7.5	6.5K	530	11.1	.28	759 ± 1	968 ± 12			204
			go to		Sample	D							

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.
	D. 1-1	12:54	6.94	10.3	2.5K	109	11.3	.49	1643±5	2675±10	204
	D. 1-2	13:10	6.65	9.4	2.3K	130	30.9	1.16	1591±5	2634±12	"
	sl. 3-1	13:28	6.62	10.0	1287	207	-2.0	.01	573±1	577±22	208
	D. 2-1	13:50	6.81	10.0	1750	67.6	11.8	.67	1455±8	2648±12	204
	D. 2-2	14:08	6.28	10.5	1766	67.7	3.6	.17	2350±10	2647±10	" *
	D. 3-1	14:25	6.39	10.1	1553	50.0	2.2	.12	2671±13	2723±10	" (**)
	D. 4-1	14:50	6.66	10.0	2.5K	121	22.3	.84	1685±5	2663±11	"
	sl. 3-2	15:08	6.41	10.3	1249	221	-0.4	-	564±1	631±20	-
	D. 5-1	15:26	6.70	10.2	1825	59.4	6.9	.37	2321±10	2640±11	204 *
	D. 5-2				high	204			aborted		
	D. 6-1	15:47	7.11	10.1	1811	79.6	20.0	1.26	1543±6	2652±14	204
	D. 7-1	16:04	6.49	10.0	1053	47.4	3.5	.29	1454±10	2641±14	"
	D. 8-1	16:21	6.44	10.5	1781	54.0	3.9	.19	2661±12	2643±10	" *
	sl. 3-3	16:33	6.38	10.2	1268	224	3.3	.28	572±1	542±36	"
	D. 9-1	16:55	6.50	9.7	1804	88.6	23.6	1.10	1831±7	2649±14	"
	D. 10-1	17:11	7.11	10.3	2.4K	110	22.1	1.09	1441±4	2647±12	"
	D. 11-1	17:28	6.29	10.7	2.1K	103	39.3	1.58	1833±6	2637±15	"
	D. 12-1	17:45	7.06	10.0	2.3K	121	27.4	1.29	1380±4	2672±12	"
	sl. 3-4	18:02	6.68	10.0	1301	201	-0.7	-	581±1	566±20	-
	D. 13-1	18:19	6.65	10.2	1150	32.2	0.8	.07	2685±15	2654±11	204 *
	D. 13-2	18:36	6.54	10.2	976	28.4	0.8	.08	2711±17	2652±13	" *
	D. 14-1	18:54	6.49	10.2	2.0K	82.0	15.3	.66	2116±8	2644±11	"
	D. 15-1	19:13	6.49	10.5	1618	51.6	3.9	.22	2499±12	2642±11	" *
	sl. 3-5	19:30	6.35	10.3	1300	230	0.3	.02	581±1	545±20	-
	D. 16-1	19:49	7.30	9.7	1532	72.9	44.6	3.42	1365±6	2679±22	207

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 kcps	206 cps	U ppm	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238 207/206	Corr.
	D.17-1	20:07	5.57	10.4	1348	77.1	11.0	0.44	239 ± 11 2649 ± 14	204*
	D.18-1	20:24	6.66	9.8	1742	58.1	4.2	0.22	2396 ± 11 2652 ± 10	204*
	D.19-1	20:43	6.84	9.9	2463	140.1	51.9	2.12	1364 ± 4 2637 ± 15	204
	D.20-1	21:01	6.70	10.1	2142	76.9	5.9	0.26	2162 ± 8 2654 ± 10	204
	sl. 3-6	21:19	6.39	10.0	1265	222	-	-	585 ± 1 575 ± 20	-
	D.21-1	21:38	6.72	9.6	1766	72.3	5.7	0.30	2006 ± 8 2662 ± 10	204
	D.22-1	21:57	7.83	8.9	1962	16.9	58.6	3.94	713 ± 2 2600 ± 22	204
	D.20-2	22:14	6.73	9.8	2388	115	25.7	1.01	1693 ± 5 2669 ± 11	204
	D.23-1	22:31	6.77	10.1	2013	115.6	24.9	1.23	1380 ± 4 2641 ± 14	204
	D.24-1	22:48	6.86	10.1	2262	101.4	16.4	0.74	1672 ± 5 2639 ± 11	204
	D.25-1	23:06	6.56	9.7	1457	63.8	6.9	0.41	1987 ± 9 2646 ± 12	204
	sl. 3-7	23:24	6.54	10.0	1266	211.4	0.1	0.01	573 ± 1 611 ± 20	204
	D.25-2	23:43	8.45	8.5	1242	59.3	8.9	0.44	2462 ± 13 2648 ± 14	204*
	D.26-1	00:00	7.15	9.5	2439	33.4	12.6	5.67	535 ± 1 2631 ± 23	204
	D.27-1	00:18	6.23	10.8	1768	68.4	4.8	0.22	2327 ± 10 2674 ± 10	204*
	D.27-2	00:35	5.66	10.5	1175	74.5	4.9	0.24	2057 ± 9 2651 ± 14	204
	D.28-1	00:52	7.07	10.1	2214	14.6	39.9	2.03	1078 ± 3 2646 ± 15	204
	D.29-1	01:10	6.70	9.1	1534	54.4	4.2	0.24	2372 ± 11 265 ± 12	204*
	sl. 3-8	01:27	6.49	9.8	1237	216	2.3	0.20	571 ± 1 521 ± 30	204
	D.29-2	01:44	6.51	10.1	1363	42.0	0.1	0.01	266 ± 14 2657 ± 10	204*
	D.30-1	02:01	7.13	9.7	2719	14.2	40.6	1.65	1354 ± 4 2639 ± 13	204
	D.31-1	02:22	6.85	9.8	1905	11.7	25.6	1.33	1335 ± 4 2659 ± 15	204
	D.32-1	02:39	6.96	10.1	2668	122	30.1	1.21	1567 ± 5 2623 ± 12	204
	D.33-1	02:57	6.27	9.2	1389	51.8	1.5	0.08	2693 ± 14 2696 ± 10	204*
	D.33-2	03:14	6.75	9.4	1370	41.9	0.8	0.05	2587 ± 14 2657 ± 10	204*

