

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 20/6/97 UWA Mount No. 97-11 Whose sample? Stu Brown Operator(s) RFB+SB

Indicate any change to the following:

	196	204	bkg	206	207	208	238	248	254	
Precambrian	Count time (secs):	2 ✓	10 ✓	10 ✓	10 ✓	30/30* ✓	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..... nanosecs

actual 196-204 = ^{8.168}..... actual 204-bkg = ^{0.042}..... expected resolution = >4200

actual 206-207 = ^{1.000}..... actual 206-208 = ^{1.999}..... actual resolution = ⁵¹⁰⁰.....

Primary = ^{3.5}..... nA PESABM = ⁵⁵..... pA actual Primary : PESABM (= 50:1) = ⁶⁴.....

Raster time (mins): ¹..... Raster aperture (microns): ¹²⁰..... No. of scans: ⁵.....

Comments: A: E178 (Jones Creek conglomerate).

Standards:
 n = 15
 Slope = 2.0
 error 1.01

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 cps	206 cps	U ppm	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma)		206/238	207/206	Corr.
	sl 4-1	10:16	6.16	20	2098	-	1.1	-	-	585	-	-	-
	sl 4-2	10:34	6.24	20	1975	210	~ve	-	562	561	208	-	-
	U A.1-1	10:49	6.31	20	1359	23	0.3	0	2741	2696	-	-	-
	A.2-1	11:08	6.16	22	2166	47	70.	4.8	2190	2722	204	-	-
	A.3-1	11:22	6.68	21	5720	84	627.	20.	2170	2810	204	-	-
	sl 4-3	delete (acorn - 1st drop out)											
	sl 4-4	11:59	6.32	16.9	1865	217	0.1	.01	562	622	-	-	-
(4-1) →	A.2-1	12:21	6.25	20.3	557	9	0.2	.06	2908	2784	204	-	-
	A.5-1	12:42	6.54	20	2991	46	44.4	2.5	2673	2685	204	-	-
	A.6-1	12:58	6.45	20	3001	48	2-8	0.15	2740	2663	204	-	-
	A.7-1	13:16	6.18	20	930	17	0.6	.09	2755	2676	204	-	-

Mount/sample No: UWA 97-11 (A)
E178

Date: 20/6/97

Page No: 2

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.
	A. 8-1	13:32	6.37	20	2403	41	0.2	0.01	2717	2675	204.
	SI. 4-5	13:53	5.94	20.1	1884	227	-04	-	562	576	-
	A. 9-1	14:09	6.44	20	2744	44	-ve	-	2725	2661	204 -
	A. 10-1	14:31	6.45	20	2346	38	2.5	.18	2717	2646	204
	A. 11-1	14:49	6.48	19	5497	89	296	8.4	2594	2696	204
	A. 12-1	15:05	6.47	20	4746	76	227	7.6	2565	2696	204
	A. 13-1	15:21	6.38	19.6	5758	88	67.3	1.7	2920	2826	204 *
	SI. 4-6	15:39	6.10	19.6	1936	218	-ve	-	568	551	-
	A. 14-1	15:54	6.14	18.7	2735	55	0.7	.03	2741	2640	204
	A. 15-1	16:10	6.12	18.5	3900	82	18.8	0.61	2686	2661	204
	A. 16-1	16:32	6.26	19.6	2552	45	21	1.2	2728	2674	204
	A. 17-1	17:00	6.31	19.4	2114	37	0.6	.04	2748	2657	204
	SI. 4-7	17:17	6.25	18.9	2134	220	-ve	-	588	441	-
	A. 18-1	17:41	6.59	20.1	1612	24	-ve	-	2738	2646	-
	A. 19-1	18:03	6.48	20	2347	37	3.9	.27	2705	2679 ±10	204
	A. 20-1	18:19	6.49	19.2	7877	132	1.9	.04	2696	2671 ±5	204
	A. 21-1	18:55	6.03	19.2	3404	68	13.7	.49	2798	2819 ±8	204 *
	A. 22-1	19:13	6.59	19.6	3163	46	5.2	.27	2853	2840 ±8	204 *
	SI. 4-8	20:00	6.19	19.7	2010	215	0.3	.01	567 ±1	564 ±19	208
	A. 23-1	20:18	7.30	21.7	3966	50	370	23.1	1856	2680 ±45	204
	A. 24-1	20:35	6.18	22.2	4382	73	1.0	.04	2730	2675 ±7	204
	A. 25-1	21:01	6.15	22.1	1720	34	27.9	2.5	2345	2668 ±20	204
	A. 26-1	21:16	6.21	20.9	2949	51	0.4	-02	2727	2684 ±9	204
	A. 27-1	21:31	6.38	21.4	878	14	2.7	0.5	2688	2634 ±18	204
	SI. 4-9	21:49	5.92	21.5	1992	226	-ve	-	563 ±1	559 ±18	-

Mount/sample No: UWA 97-11 (A)
E178 Date: 21/6/97 Page No: 3

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.
	A.28-1	22:32	6.14	22.2	802	14	2.2	.41	2606	2665±19	204
	A.29-1	22:48	6.50	23.6	1435	22	15.8	2.1	2433	2663±20	204
	A.30-1	23:15	6.27	23.1	3743	57	7.5	.33	2721	2845±7	204
	A.31-1	23:32	6.29	22.5	2246	36	3.5	.26	2627	2687±10	204
	A.32-1	23:49	6.42	23.6	3296	49	17.6	1.01	2533	2647±11	204
	A.33-1	0:06	6.40	22.5	4884	70	11.3	0.40	2766	2824±7	204
	SI.4-10	0:23	5.97	21.4	2048	234	-ve	-	551±1	559±18	-
	A.34-1	0:44	5.71	24.3	265	5.1	-ve	-	2797	2671±24	-
	A.35-1	1:01	6.03	22.6	2942	68	113.7	5.6	2092	2664±22	204
	A.36-1	1:22	6.47	25.1	4479	62	107	4.8	2448	2672±16	204
	A.37-1	1:39	6.20	23.7	1099	17.3	0.7	.10	2686	2672±16	204
	A.38-1	1:57	6.32	23.9	2684	39.1	-ve	-	2697	2670±7	204
	SI.4-11	2:13	5.91	23.2	2143	229	-ve	-	559±1	572±17	-
	A.39-1	2:30	6.18	24.4	4537	69	0.1	-	2714	2673±6	204
	A.40-1	3:03	6.36	23.1	1311	18.8	-ve	-	2764	2710±11	-
	A.41-1	3:19	6.25	23.3	3122	49	4.2	0.2	2654	2668±8	204
	A.42-1	3:34	6.38	23.8	4037	55	60	2.7	2737	2818±12	204
	A.43-1	3:56	6.08	23.8	2348	386	2.8	.19	2709	2658±10	204
	A.44-1	4:12	6.21	23.9	6061	95	72.2	2.0	2622	2673±10	204
	SI.4-12	4:31	6.00	21.3	2104	237	0.5	-0.5	550±1	506±13	-
	A.45-1	4:46	6.39	23.3	4236	62	51.6	2.2	2614	2671±12	204
	A.46-1	5:07	6.33	23.6	2870	41	-ve	-	2752	2651±7	-
	A.47-1	5:23	6.20	23.8	1127	18	-ve	-	2645	2652±12	-
	SI.4-13	5:40	5.94	22.2	2066	236	-ve	-	541±1	549±18	-
	A.48-1	5:57	6.16	23.1	5343	87	20	0.6	2692	2684±7	204

