

D7

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 25/6/98      UWA Mount No.: 98-29      Whose sample?: C856  
 Neal

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):    7    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 = 0.045      expected resolution = >4200  
 actual 206-207 = 1.000      actual 206-208 = 2.000      actual resolution = 5336

Primary = 3.6 nA    PESABM = 50 pA    actual Primary: PESABM (= 50:1) = 72  
 Raster time (mins): 2    Raster aperture (microns): 120    No. of scans: 6

Comments: follows on from 98-30

POP. B : C856.

stds:  
 n = 14  
 error = 1.28%

Data processed  
 6/8/98

98-29A = 4919/1

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.
	S1.7-1	20:11	6.35	19.4	2250	225	-0.5	0.3	587    505	208
	B37-1	20:42	6.45	18.5	1894	182	0.5	0.05	612 ±1    651 ±21	204
	B5-1	21:01	6.63 <del>6.3</del>	18.6 <del>18.6</del>	1222	103	4.0	0.64	633 ±1    424 ±43	208
	S1.7-2	21:22	6.53	18.2	2193	225	0.5	0.04	565    565	204
	A.1-1	21:43	6.57	17.5	3192	58	3.8	0.17	2746 ±10    2773 ±8	204
	A.2-1	22:03	6.63	17.7	3051 <del>3051</del>	58	-0.3	—	2761 ±11    2755 ±6	—
	A.3-1	22:22	6.67	17.6	2077	37	1.0	0.07	2687 ±12    2763 ±9	204
	A.4-1	22:41	6.71	17.6	11.8k	199	0.2	0.003	2729 ±5    2750 ±3	204
	S1.7-3	23:03	6.79	17.5	2300	217	0.1	0.01	567    592	204
	A.5-1	23:22	6.67	17.7	2177	37	-0.2	—	2782 ±12    2764 ±8	—
	A.6-1	23:42	6.51	18.1	1122	21	-0.6	—	2663 ±10    2790 ±10	—

grain #6. →

7.4

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U K cps	196 cps	206 cps	U ppm	<sup>204</sup> Pb ppb	f <sup>206</sup> %	Age ±1σ (Ma) 206/238 207/206		Corr.
	A.7-1	0:02	6.68	17.6	6573	114	1.5	.03	2691±7	2767±5	204
	A.8-1	0:22	6.45	18.4	6681	126	-0.5	—	2656±6	2769±4	—
	A.9-1	0:41	6.59	17.7	8064	146	—	—	2700±6	2764±4	—
	SI.7-4	1:03	6.73	17.7	2318	217	1.0	-.08	577	525	204
	A.10-1	1:22	6.29	17.8	1291	29	11.9	1.1	2543±14	2748±15	204
	A.11-1	1:41	6.37	17.9	1559	30	-ve	—	2757±14	2773±9	—
	A.12-1	2:00	6.44	18.0	1788	33	1.0	.08	2774±13	2758±9	204
	A.13-1	2:26	6.53	17.6	2892	52	0.4	.02	2762±11	2769±7	204
	A.14-1	2:45	6.34	18.2	2062	39	—	—	2792±13	2767±8	—
	A.15-1	3:03	7.09	16.5	15.6k	248	+24.5	.26	2646±4	2745±3	204
	SI.7-5	3:23	6.74	17.4	2244	217	1.1	.1	567	504	204
	A.16-1	3:42	6.45	18.5	3042	57	-ve	—	2645±10	2774±6	—
	A.17-1	4:04	6.68	17.7	3289	55	0.1	.005	2767±10	2750±6	204
	A.18-1	4:24	6.65	17.9	4474	76	0.0	—	2742±8	2760±5	—
	A.19-1	4:44	6.64	19.3	7860	137	17.4	.35	2537±6	2753±5	204
	SI.7-6	5:04	6.47	17.8	2159	231	-ve	.01	569	567	208
	A.20-1	5:23	6.57	18.1	3352	57	0.1	-.01	2785±9	2756±6	204
	A.21-1	5:40	6.71	17.8	2192	34	0.1	-.01	2872±13	2774±8	204
	A.22-1	6:00	6.27	16.8	1417	33	1.3	-.10	2610±14	2757±12	204
	A.23-1	6:18	6.73	17.8	3117	50	1.5	-.07	2788±11	2773±7	204
	A.24-1	6:37	6.39	18.6	2911	53	-ve	—	2784±10	2763±7	—
	A.25-1	6:56	6.35	19.2	4780	89	10.1	-.29	2686±5	2769±6	204
	SI.7-7	7:15	6.55	19.2	2285	217	-0.4	—	570	511	—