

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 18/6/98 UWA Mount No. 98-12 Whose sample? ALSO Operator(s) McN + Stu

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):	28	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 = 0.045 expected resolution = >4200
 actual 206-207 = 1.000 actual 206-208 = 1.999 actual resolution = 5100

Primary = 2.7 nA PESABM = 34 pA actual Primary : PESABM (≈ 50:1) = 79
 Raster time (mins): 1 Raster aperture (microns): 100 No. of scans: 6

Comments: A = 97969248
 B = 97969201
 C = 97967150

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 K cps	206 cps	U ppm	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma)	196-204	206-207	206-208
									206/238 207/206			
	sl.6-1	10:40	6.09	12.8	1433	220	0.1	.001	572±1 576±20	8.167	1.000	1.999
	sl.6-2	10:59	6.06	13.3	1467	217	0.3	.03	582±1 600±21	-	-	-
	A.1-1	11:18	6.02	13.0	336	9.1	0.4	.11	2758±31 2642±38	-	-	-
	A.2-1	11:41	6.17	12.5	7.7K	250	39.7	.51	2308±5 2622±5	-	-	-
	sl.6-3	11:58	6.11	12.5	1434	226	-0.2	.03	565±1 550±21	-	-	-
	A.3-1	12:20	6.15	13.1	1919	48.7	41.6	2.19	2708±13 2657±16	-	-	-
	A.4-1	12:50	4.23	9.2	442	96.5	46.6	1.46	2386±20 2668±31	-	-	-
	A.5-1	13:08	6.14	12.8	1508	38.2	40.4	2.64	2754±15 2673±18	-	-	-
	sl.6-4	13:25	5.93	13.1	1430	231	0.6	.05	585±1 532±21	-	-	-
	A.6-1	14:01	6.32	12.4	73K	256	177	2.63	1993±4 2436±10	-	-	-
	A.7-1	14:20	6.69	9.4	109K	2770	83	.07	2928±2 2467±1	204		

beam same
 drifted down during analysis

Rejection over-ride	Sample/Std ID	Time - printout	UO/U	196 K cps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma)		Corr.	
									206/238	207/206		
	A.7-2	14:39	6.83	11.0	50K	980	38	-0.9	3009±3	2729±2	204	
	A.8-1	14:59	6.33	10.5	1644	48	61	3.3	2655±14	2681±21	204	
	A.9-1	15:35	6.22	12.1	1031	28	16.1	.02	2680±17	2679±19	204	
	SI.6-5	15:54	6.00	11.9	1291	227	-0.3	—	567	612	—	
1st scan	A.10-1	16:18	6.16	12.4	4072	116	25	.60	2604±8	2644±8	204	
	A.11-1	16:40	6.69	10.8	7611	322	27	.41	1674±3	2132±7	204	
	A.12-1	17:26	6.29	11.8	1082	30	3.0	.27	2656±16	2649±13	204	
	A.13-1	18:04	6.44	11.8	13.4k	393	95	.76	2350±4	2572±5	204	
	A.14-1	18:30	6.12	11.4	2843	76	429	14	2403±12	2714±34	204	
	SI.6-6	18:51	5.99	12.1	1376	228	0.2	.01	592	576	204	
	A.15-1	19:15	6.37	11.4	1623	42	33	2.0	2740±14	2635±18	204	
	A.15-2	19:35	6.10	12.1	2152	61	3.5	.15	2745±12	2648±9	204	
	A.16-1	19:56	5.95	11.6	1028	34	7.5	.59	2654±16	2689±15	204	
	A.17-1	20:22	6.04	11.0	1886	57	177	7.5	2697	2663±29	204	
	SI.6-7	20:41	6.28	10.6	1263	210	3.2	.28	577	516	204	
3p (B)	1st scan	B.1-1	21:23	5.80	11.2	2903	126	305	7.7	2218±9	2416±31	204
	B.2-1	21:52	6.54	9.4	1128	36	12.2	.97	2540±15	2582±18	204	
1st scan	B.3-1	22:11	6.17	10.4	1171	40	2.3	.16	2607±15	2642±12	204	
	B.4-1	22:28	6.12	10.3	1679	59	25	1.1	2585±12	2624±15	204	
	B.5-1	22:48	5.76	9.1	1183	64	6.2	.30	2406±12	2617±13	204	
	SI.7-1	23:10	6.22	9.5	1144	221	1.3	.11	573	557	204	
	B.7-1	23:33	5.96	9.8	639	26	7.0	.75	2573±19	2617±20	204	
1st scan	B.8-1	23:52	6.24	9.6	919	33	5.4	.46	2608±17	2593±15	204	
1st scan 2nd by	B.9-1	0:11	6.20	8.32	1663	79	103	4.2	2288±11	2528±25	204	
	B.10-1	0:29	6.32	9.1	1480	53	3.7	.19	2620±13	2604±11	204	

1st scan
2nd by

1st dropped down steadily view.

