

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 19/4/99 UWA Mount No.: 98-62 Whose sample?: Kevin E Operator(s): (F+GE+BR)

Indicate any change to the following: 196 204 bkg 206 207 208 238 248 254 270

Precambrian Count time (secs): 2 - 10 - 10 - 10/20* 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 = 0.045 amu Dead-time = 3.2 nanosecs

actual 196-204 = 8.170 actual 204-bkg = 0.042 expected resolution = >4200

actual 206-207 = 1.000 actual 206-208 = 2.000 actual resolution = 5216

(*) Primary = Running NO₂ @ ~3mA on zirc. PESABM = pA actual Primary : PESABM (= 50:1) =

Raster time (mins): 1 Raster aperture (microns): 100 No. of scans: 4

Comments: Detrital grains. Using new 100 um aperture requires NO₂ for sufficient I⁰ to allow quick analyses.

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U Kcps	196 cps	206 cps	U ppm	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238 207/206	Offsets OK?
	CZ862.6-1	23:21	4.80	36.1	1260	-	1.1	0.07	-	570.7
	CZ862.6-2	23:39	4.70	38.6	1284	237.2	2.0	0.01	0.103	517.8
	9862 A.z12	23:55	4.83	36.5	1288.5	58.3	1.8	0.02	0.739	2980
	9862 A.z1	00:10	6.12	33.0	3233	155.8	18.7	0.03	0.288	2710
	" A.z10	00:24	4.74	40.1	1606	39.9	2.1	0.06	0.722	3028
	A.z2	00:39	5.53	28.9	6328	230.8	7.8	0.02	0.50	2710
	A.z11	00:54	5.59	38.4	4585	100.3	17.0	0.04	0.619	2998
	A.z3	01:08	6.42	31.9	939	26.3	-0.1	-	0.486	2996
	A.z19	01:23	4.95	37.1	6692	149.7	1.0	0.01	0.715	2886
	A.z18	01:38	5.25	35.5	2937	86.2	1.7	0.01	0.556	3054
	CZ862.6-3	01:52	4.77	42.9	1408	210.7	-0.9	-	0.11	618.1

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma)		Offsets OK?
									206/238	207/206	
	CZ862.6-4	02:05	4.71	44.0	1376	220	-1.0	-	0.104	588.5	
	9862A.z6	02:20	5.94	26.4	11153	505.1	18.5	0.01	0.399	2150.5	
	A.z4	02:34	4.71	40.6	2420	57.9	1.3	0.04	0.756	3042	
	A.z22	02:48	4.86	39.8	4058	113.2	7.1	0.03	0.610	2873	
	A.z23	03:02	4.90	40.7	3246	66.9	1.7	0.03	0.795	3068	
	A.z24	03:16	5.33	29.3	4078	142.1	15.4	0.06	0.552	3221	
	Az14	03:29	5.27	37.4	6319	133.3	-0.1	-	0.728	3031	
	A.z16	03:44	4.86	39.4	722.1	16.5	0.9	0.14	0.758	2913	
	CZ862.6-5	03:59	4.72	37.7	1318	235.6	0.7	0.01	0.108	556.3	
	CZ862.6-6	04:12	4.86	38.1	1240	261.3	3.1	0.02	0.099	436.4	
	9862A.z17	04:27	5.02	36.9	4477	103	2.6	0.02	0.743	3071	
	A.z25	04:43	4.96	37.2	2898	72	4.9	0.03	0.702	3067	
	A.z26	04:57	4.89	39.7	1123	25.8	0	-	0.134	2924	
	A.z27	05:11	5.07	38.4	1487	55.9	0.6	0.01	0.428	2811	
	A.z28	05:24	4.99	38.6	2966	58	0.7	0.02	0.848	3096	
	A.z29	05:39	4.77	37.9	2179	55.5	0.9	0.10	0.738	3094	
	CZ862.5-1	05:52	4.97	36.3	1352	199.5	1.0	0.01	0.126	534	
	CZ862.5-2	06:04	4.83	40.6	1348	206.2	0.4	0	0.111	534	
	B.z20	06:18	4.88	37.3	1119	26.1	2.2	0.06	0.772	2857	
	A.z30	06:35	4.79	36.5	1193	28.1	-1.2	-	0.817	3072	
	A.z31	06:48	5.26	37.8	3706	91.9	0.8	0.06	0.615	2904	
	Az.32	07:01	4.89	37.5	2058	46.9	2.0	0.04	0.782	3055	
	Az.33	07:15	4.79	38.8	2357	60.4	-0.6	-	0.705	2911	
	Az.34	07:28	4.92	37.5	3149	74.5	1.9	0.02	0.744	3088	
	CZ862.5-3	07:41	4.74	36.4	1256	228.4	1.5	0.01	0.109	557.2	