

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 4/11/98 UWA Mount No.: 98-57 Whose sample?: Edson Operator(s): Jan, Claudia, Edson

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 = 32 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 = 5720
 Primary = 2.0 nA PESABM = 32 pA actual Primary : PESABM (≈ 50:1) = 62
 Raster time (mins): 1 Raster aperture (microns): 100 No. of scans: 7

Comments: Sensitivity = 20

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	Offsets OK?
	C23.7-1	12:02	6.33	10.3	1166	-	0.2	.01	-	633	✓
	C23.7-2	12:22	6.52	10.5	1290	215	-ve	-	582	570	✓
	A.1-1	12:51	6.41	10.4	6254	250	239	.33	2225±4	2185±6	✓
	A.5-1	13:16	6.61	10.8	3713	173	4.6	.40	1732±4	2050±9	✓
	C23.7-3	13:38	6.47	10.8	1326	218	0.2	.015	555	623	✓
	A.6.1	14:08	6.21	11.7	3320	138	2.5	.07	2139±6	2127±8	✓
	A.7.1	14:38	6.21	11.3	2553	106	2.7	.09	2191±7	2149±9	✓
	A.9.1	15:02	6.18	11.0	2903	126	0.8	.02	2191±6	2099±8	✓
	C23.7.4	15:26	6.94	11.9	1244	247	0.0	-	578±1	615±20	✓
	A.12.1	15:49	6.24	11.9	4191	170	4.1	.09	2103±5	2099±7	✓
	A.14.1	16:11	6.11	11.9	3344	179	5.7	.15	2765±4	2056±8	✓

Mount/sample No: 98.57

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Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma)		Offsets OK?
									206/238	207/206	
	C A.16.1	16:34	6.24	12.0	6728	231	24.3	.34	2425±5	2190±6	✓
	R A.22.1	16:58	6.37	12.2	5474	249	10.6	.20	1775±3	2077±6	✓
	R A.23.1	17:24	6.24	12.1	5960	260	20.8	.33	1959±4	2080±7	✓
	CZ37.5	18:01	6.04	13.1	1429	235	1.4	.10	599±1	574±27	✓
	R A.26.1	18:24	6.19	13.7	3220	122	11.2	.36	2077±5	2099±10	✓
	C A.26.3	18:49	5.97	10.7	2372	111	-	-	2307±7	2121±8	✓
	R A.32.1	19:14	5.79	12.0	3353	201	14.6	.32	1857±4	2051±9	✓
	R A.32.2	19:36	5.90	12.1	3459	158	1.1	.03	2215±6	2141±7	✓
	R A.33.1	20:00	6.16	13.5	4329	162	5.5	.13	2112±5	2120±7	✓
	CZ37.6	20:26	5.78	14.1	1366	246	1.1	.08	588±1	575±26	✓
	R A.34.1	20:50	6.10	14.4	3434	124	3.4	1.05	2100±5	2034±13	✓
	R A.40.1	21:18	5.93	13.6	3846	166	2.4	0.57	2050±5	2122±10	✓
	R A.41.1	21:42	6.16	13.8	3831	146	5.0	.13	2036±5	2085±8	✓
	CZ37.7	01:17	5.77	18.0	1792	220	0.1	.005	572±1	598±18	✓
	R A.50.1	01:48	5.94	20.1	4633	122	3.3	.12	1929±4	2112±7	✓
	R A.53.1	02:17	6.08	18.3	5303	135	7.3	.22	2012±4	2118±7	✓
	R A.55.1	02:40	6.56	19.7	6012	134	16.8	.60	1722±3	2110±8	✓
	CZ37.8	03:13	5.75	22.5	1954	199	0.7	.07	559±1	562±21	✓
	D.1.1	03:40	5.88	21.5	1078	35	0	-	1521	1523±16	✓
	D.4.1	04:06	6.01	20.5	5289	139	12.3	.40	1831±4	2070±8	✓
	D.10.1	04:40	5.89	20.6	8175	222	1.2	.02	1884±3	2124±5	✓
	D.14.1	05:05	4.98	15.8	1718	108	0	-	1991±7	1977±11	✓
	D.18.1	05:29	5.52	19.9	3532	141	1.4	.05	1698±4	1872±8	✓
	DZ37.9	06:17	7.23	90.2	7661	1918	132.5	2.66	275±0.3	667±32	✓

problems →

