

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 10/11/98 UWA Mount No.: 98-57 Whose sample?: Edson Operator(s): IF+EM

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 = 8.169 actual 204-bkg = 0.042 expected resolution = >4200
 actual 206-207 = 1.000 actual 206-208 = 2.000 actual resolution = 6150
 Primary = 3.3 nA PESABM = 55 pA actual Primary : PESABM (= 50:1) = 60
 Raster time (mins): 1 Raster aperture (microns): 100 No. of scans: 6

Comments: Sensitivity = 21
 1° drooping slightly during each spot

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238 207/206	Offsets OK?
	C2.1-1	11:21	5.90	25.3	2300	-	0	-	552	✓
	C2.1-2	11:38	5.92	24.6	2232	223	0.3	.02	558 621	✓
	D.39-2	11:57	5.64	26.5	833	94	3.1	.65	538 654	✓
	D.39-2	12:18	5.96	26.3	3360	500	28.	1.7	342 649	✓
	D.34-1	12:36	6.10	23.5	8238	312	0.9	.02	1309 1327	✓
	C2.1-3	12:59	5.88	24.5	2242	226	-ve	-	566 588	✓
	D.48.1	13:18	6.05	24.0	2219	198	1.1	.09	602 593	✓
	D.06.1	13:40	6.11	23.8	795	104	1.0	.27	395 302	✓
	D.03.1	14:10	5.73	24.3	696	26	0.1	.02	1554 1560	✓
	D.03.2	14:31	6.56	24.6	808	21	-ve	-	1428 1432±10	✓
	C2.1	15:01	6.00	23.9	2216	218	1.2	.11	554±1 549±21	✓

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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?
	D4-2	15:32	5.75	23.8	5836	142	2.8	.07	2267±5	1992±6	✓
	C2-1	16:03	5.70	25.3	5550	187	3.1	.08	1672±3	2043±7	✓
	C1-1	16:24	6.01	22.4	7984	184	10.2	.20	2200±4	2155±6	✓
	C4-1	16:47	6.28	26.7	5431	195	16.9	.69	1120±2	1825±11	✓
	C10-1	17:11	6.09	22.8	6022	168	19.1	.53	1763±3	2061±8	✓
	C22-2	17:32	5.63	25.3	2140	237	-ve	-	580±1	535±16	✓
	C12-1	17:56	5.75	24.2	4932	133	13.9	.41	2040±5	2127±9	✓
	C13-1	18:46	5.99	24.9	5126	125	24.5	.83	1920±4	2102±10	✓
	C16-1	18:45	6.07	26.3	5628	122	18.4	.63	1713±3	2055±9	✓
	C17-1	19:05	6.04	25.2	5751	?	18.9	.52	1317±5	1961±9	✓
	C20-1	19:30	6.36	26.9	4519	?	0.8	.04	1431±3	1978±7	✓
	C22-1	19:52	5.77	21.6	6263	?	368.4	7.70	1894±5	2181±22	✓
	C27-3	20:13	5.68	25.3	2103	234	4.0	.32	557±1	653±30	✓
	C23-1	20:34	5.71	23.6	6335	?	4.9	.11	2151±4	2146±6	✓
	C25-1	20:56	5.42	24.3	3823	?	1.3	.05	2098±5	2125±8	✓
	C27-1	21:18	6.13	25.5	5825	?	9.1	.30	1561±3	1984±8	✓
	C32-1	21:44	5.94	22.6	6010	160	2.5	.06	1992±4	2117±6	✓
	C34-1	22:08	6.03	24.4	6308	168	5.6	.15	1808±3	2115±6	✓
	C22-4	22:29	5.98	23.3	2077	208	-ve	-	563±1	508±16	✓
	C36-1	22:48	6.10	22.9	7427	175	4.4	.10	2033±4	2113±5	✓
	C37-1	23:08	6.20	24.4	5807	165	5.7	.19	1559±3	2071±7	✓
	C38-1	23:31	5.88	22.9	5416	156	24.3	.67	1886±4	2058±10	✓
	C42-1	23:52	5.81	22.8	5539	185	15.1	.39	1732±1	2082±8	✓
	C42-2	00:13	5.93	24.2	4526	112	58.5	2.10	1981±5	2083±17	✓
	C22-5	00:34	5.70	24.4	2057	228	-ve	-	574±1	528±16	✓

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Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	²⁰⁴ Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238 207/206		Offsets OK?
	C.44.1	00:57	5.88	25.9	5048	121	5.7	.19	2007±4	2096±7	✓
	C.47.1	01:20	5.78	27.0	4904	129	11.4	.39	1874±4	2084±8	✓
	B.4.1	01:50	6.24	23.5	6958	266	67.9	1.88	1189±2	1875±13	✓
	B.14.1	02:17	6.02	24.6	3348	74	12.3	.63	2100±6	2162±11	✓
	CZ.2.6	02:40	5.78	24.3	2063	225	-ve	-	558±1	578±16	✓
	B.13.1	03:01	5.82	27.5	3930	139	68.0	2.47	1627±4	2063±18	✓
	B.14B.1	03:24	5.84	23.8	6083	174	16.0	.40	1880±4	2068±7	✓
	B.19.1	03:46	6.70	19.4	6871	303	32.9	.97	1024±1	1716±11	✓
	B.20.1	04:08	6.25	21.9	6733	210	59.3	1.54	1529±3	2100±11	✓
	B.24.1	04:37	5.94	22.7	5134	215	45.4	1.37	1320±2	2005±13	✓
	CZ.2.7	05:04	5.6	24.6	2008	237	-ve	-	568±1	616±16	✓
	B.25.1	05:23	6.10	24.6	5323	185	9.1	.31	1356±2	1971±8	✓
	B.26.1	05:47	5.94	25.4	18058	344	410	3.84	2332±3	2198±9	✓
	B.27.1	06:07	6.15	23.7	5466	159	57.4	1.91	1576±3	2027±13	✓
	B.31.1	06:35	5.68	23.5	7390	228	548	10.06	1772±4	2121±25	✓
	B.32.1	06:54	5.60	23.3	9632	261	18.9	.25	2281±4	2162±5	✓
	CZ.3.1	07:15	5.87	25.10	2372	229	-ve	-	578±1	521±15	✓
	B.33.1	07:35	5.84	24.52	7673	147	443	8.93	2404±6	2179±22	✓
	B.34.1	07:57	6.37	24.7	7531	?	252	7.04	1771±4	2083±21	✓
	B.34.2	08:16	5.90	24.8	3448	85	26.3	1.24	1995±6	2153±14	✓
	B.35.1	08:36	6.69	19.84	7729	263	187.2	4.88	1238±2	1837±20	✓
	CZ.3.2	08:59	6.05	23.9	2341	221	0.7	.06	569±1	544±20	✓
	B.36.1	09:19	6.27	21.7	11383	203	265	4.06	2423±5	2122±12	✓