

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 18/12/98 UWA Mount No.: 98-93 Whose sample?: Jayme Operator(s): McN + JL

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 = 8.167 actual 204-bkg = 0.045 expected resolution = >4200

actual 206-207 = 1.001 actual 206-208 = 2.000 actual resolution = 5152

Primary = 3.5 nA PESABM = 45 pA actual Primary : PESABM (= 50:1) =

Raster time (mins): 1 Raster aperture (microns): 120 No. of scans: 6

Comments:

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?
	S1.1-1	11:22	7.08	16.1	1773	220	2.1	.18	571 ± 1	544 ± 27	OK
	S1.2-1	11:41	7.16	15.6	1767	212	1.8	.02	588 ± 1	578 ± 18	"
	B1-1	12:30	7.24	15.3	1849	63.1	9.0	.64	1840 ± 6	2028 ± 16	11
	B2-1	12:18	7.57	14.6	374	100	37.5	1.44	2090 ± 6	2052 ± 15	"
	S1.3-1	12:36	7.09	15.7	1726	216	0.5	.04	577 ± 1	548 ± 23	"
	B3-1	12:54	7.24	14.6	1475	48	4.9	0.5	1709 ± 6	2091 ± 16	11
	B5-1	13:17	7.24	14.3	1816	60	12	0.8	1919 ± 7	2053 ± 17	11
	B5-2	Manfred	very high	counts					204		
(B6-1)	B6-1	14:03	6.7	14.5	778	30	0.1	0.01	2090 ± 11	2053 ± 16	4
	S1.3-2	14:23	7.2	14.1	1582	216	0.6	0.05	564 ± 1	576 ± 23	11
	B4-1	14:24	7.08	14.3	2404	89	8.9	0.3	2105	2055 ± 11	11

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U Kcps	196 cps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	B.09-1	15:04	4.44	1377	3589	112	28	0.7	2026	2077±11	OK
	B.10-1	15:25	7.41	1434	4101	142	18	0.6	1810	2042	OK
	B.11-1	15:46	4.06	141	2585	131	33.1	1.4	1462	2042	OK
	B.11-2	16:04	7.21	135	2341	81	13.4	0.6	2026	2072	OK
	B.12-1	16:24	7.07	14.3	1612	221	0.7	0.05	580	512	OK
	B.13-1	16:44	4.52	14.9	2494	89	14	.9	1465	2091	OK
	B.13-2	17:03	4.6	13.5	3135	96	24	1.0	1461	2086	OK
	B.14-1	17:24	4.15	13.9	1884	62	14	0.1	2103±8	2117	OK
	B.15-1	17:42	3.03	13.6	1942	69	01	—	2111	2113	OK
	B.15-2	Aborted									
	B.16-1	18:11	6.91	1409	1006	40	1.8	0.1	2044	2042±16	OK
	B.17-1	18:30	6.52	1427	1938	89	14	0.2	1968	2085±16	OK
	B.18-1	18:49	4.23	13.575	1603	215	0.5	6.04	585	582	OK
	B.19-1	19:09	4.13	13.9	2496	132	9.8	4.5	1354	2073	OK
	B.20-1	19:30	4.08	13.5	1580	55	0.7	0.04	2108	2074	OK
	B.21-1	19:44	4.23	13.1	1618	54	7.4	0.5	2129	2064	OK
	B.22-1	20:10	4.06	13.3	2450	85	14	0.06	2183	2083	OK
	B.24-3	20:29	7.04	13.4	1483	223	1.3	0.1	572	574	OK
	B.25-1	20:51	7.13	13.6	2192	44	1.6	0.08	2114±7	2109±10	OK
	C.1-1	21:17	6.95	13.2	1994	44	2.1	0.1	2143	2075±10	OK
	C.3-1	21:36	4.11	12.5	1382	51	1.8	0.1	2124	2047	OK
	C.5-1	21:59	6.79	13.5	1522	62	1.9	0.1	2092	2066	OK
	C.5-3	22:14	4.25	12.4	1611	56	1.1	0.07	2144	2097	OK
	B.24-4	22:36	7.16	12.8	1484	219	0.4	0.03	579	551	OK
	C.6-1	22:55	6.97	12.7	1712	66	1.0	0.05	2122	2084	OK

high count
high count
low

topulation
↓
unstable
by 0.5-1.0%
is damped
and soft a bit

M

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U Kcps	196 cps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238	207/206	Offsets OK?
	C7-1	23:15	7.27	12.2	1474	51	0.3	0.02	2196	2081	OK
	C7-2	23:36	7.13	12.8	1234	44	2.8	0.2	2132	2062	OK
	C8-1	23:58	7.29	11.5	12724	411	4.9	0.04	2337	2130	OK
	C8-2	00:14	6.35	12.8	1978	46	5.9	0.3	2135	2071	OK
	S24-5	00:36	4.04	12.7	1389	218	1.2	0.1	574	548	OK
	C9-1	00:55	4.12	12.7	1935	68	1.4	0.09	2129	2039	OK
	O10-2	01:14	4.29	12.4	2627	90	1.1	0.04	2146	2060	OK
	C11-1	01:33	4.25	12.5	1656	58	0.4	0.01	208	2041	OK
	C11-2	01:50	4.22	12.7	1903	67	2.8	0.1	2103	2075	OK
	C12-1	02:09	4.32	11.8	2054	41	2.8	0.1	2183	2060	OK
	S24-6	02:30	6.90	13.2	1433	223	0.3	0.02	591	529	OK
	C13-1	02:50	4.01	11.8	2019	101	2.0	0.07	2088	2080	OK
	C15-1	03:10	6.99	12.7	2170	85	0	0	216	2083	OK
	C15-2	03:30	7.11	12.3	1708	63	—	—	2148	2079	OK
	C15-3	03:51	7.07	11.8	1225	49	3.1	0.2	2136	2090	OK
	C18-1	04:10	4.10	12.4	1980	75	2.5	0.1	2106	2056	OK
	S24-4	04:28	4.35	11.9	1422	212	0.8	0.08	575	595	OK
	C20-1	04:50	4.12	11.9	1939	75	2.1	0.1	2132	2059	OK
	C19-1	05:08	4.05	11.8	5021	193	1.4	0.02	2205	2085	OK
Populations A	A3-1	05:34	6.90	15.02	3962	300	23.5	0.7	910	1304	OK
	A2-1	05:52	7.17	12.65	3218	179	1.8	0.05	1808	2130	OK
	A5-1	06:14	6.64	11.5	932	50	4.4	0.3	2008	1989	OK
	S24-8	06:34	4.00	12.45	1310	216	0.1	0	580	559	OK
	A7-1	06:57	4.02	12.3	1241	60	2.9	1.6	1760	2111	OK
	A6-1	07:14	6.72	12.12	3135	150	0.8	0.02	2031	2193	OK

W
J.J.

Mount/sample No: 98-93

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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?
	A9-1	07:36	6.39	11.4	3426	216	3.2	0.06	1928 ± 5	2193 ± 7	OK
	A9-2	07:54	8.55	11.2	1973	44	1.8	0.09	1928	2164 ± 9	OK
	A93	08:12	4.14	12.2	3015	120	1.1	0.03	2024	2208 ± 8	OK
	A.4-9	08:30	7.05	12.2	1292	218	0.9	.08	563 ± 1	591 ± 25	OK
	A.10-1	8:52	7.12	12.4	3.3K	139	2.6	.08	1937 ± 5	2163 ± 2	"
	A.13-1	9:13	7.01	12.4	3.0K	116	1.4	.04	2153 ± 6	2207 ± 8	"
	A.13-2	9:39	7.36	11.9	3.2K	119	2.6	.08	2085 ± 6	2214 ± 8	"
	A.14-1	9:47	7.08	12.5	3.2K	129	0.4	.01	2009 ± 6	2128 ± 8	"
	A.14-2	10:05	7.17	11.5	2.8K	109	1.9	.06	2156 ± 7	2217 ± 9	"
	sl. 4-10 5-1	10:23	6.88	12.8	1321	226	1.6	.13	566 ± 1	539 ± 30	"
END											

Final 98-93