

9652 std Oct 1

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date	UWA Mount No.	Whose sample?	Operator(s)
1/10/96	96-52	Linda H	IF+LH

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):	7	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 =8.168..... actual 204-bkg =0.043..... expected resolution = >4200

actual 206-207 =1.000..... actual 206-208 =2.000..... actual resolution =4990.....

Primary =2.3..... nA PESABM =32..... pA actual Primary : PESABM (= 50:1) =72.....

Raster time (mins):5..... Raster aperture (microns):120..... No. of scans:6.....

Comments: ① change to 5 min. raster

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 k cps	206 cps	U ppm	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238 207/206	Corr.
	sl 652.2-5	10:29	6.50	11.7	1416	-	4.9	.36	-	555 208
	2-6	10:56	6.41	12.8	1465	224	8.7	.55	552	619 208
	2-7	11:19	6.47	11.7	1450	226	3.9	.26	574	586 208
	u 652C.13-1	11:40	6.73	12.6	3021	106	10.	.41	1902	2166 204 ✓
	13-2	12:01	6.48	12.6	2260	80	3.0	.15	2068	2176 204 ✓
	14-1	12:26	6.50	13.1	4283	198	150.	.39	1526	2351 204
	15-1	12:51	6.57	13.3	1309	56	3.5	.33	1615	1844 204?
	sl 2-8	13:14	6.73	12.0	1515	219	1.4	.16	540	615 208
	C.161	13:37	6.58	12.9	1158	39	4.9	.50	2033	2104 204 ✓
	18-1	14:09	6.55	13.8	2717	111	3.3	.15	1652	1966 204
	17-1	14:50	6.68	12.8	2239	54	2.8	.14	2608	2709 204 ✓

196, 204, 206, 207, 208 on computer as (2.4)

short raster (100 μm) 206, 208 206

①

numbers used out of order

101 105 94 97 98 102 94 96

Rejection over-ride Sample/ Std ID Time - printout UO/U 196 /cps 206 cps U ppm 204Pb ppb f206 % Age ±1σ (Ma) 206/238 207/206 Corr.

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 /cps	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238 207/206	Corr.	
	C. 191	15:18	6.85	13.0	4264	140	18.	0.56	1858 2011	204	
206	sl 1-6	15:40	6.73	13.0	1583	210	0.5	0.04	544 600	208 90 95	
	C. 20-1	16:04	6.60	13.0	1474	51	3.8	0.31	1975 2101	204 ?	
	21-1	16:28	6.66	13.7	2045	104	62.	4.0	1256 1925	204	
	22-1	17:11	6.51	14.7	1481	86	13.	1.2	1145 1874	204	
Delete	22-2	computer/system problem. Delete file.									↑ 108 ↓ 94
	sl 1-7	18:20	6.44	13.9	1509	220.7	1.2	0.012	5263 483	208 108	
	sl 1-8	18:47	6.52	14.1	1559	218.2	2.0	0.071	524.4 590.1	208 94	
*	C 23-21	19:17	6.49	14.0	1605	54.6	4.0	3.0	1959 2183	204 -	
	24-1	19:38	7.05	17.0	3490	149.	78	3.4	1274 2086	204	
	25-1	20:04	6.62	13.4	1393	53.7	1.0	0.08	1728 1875	204 ✓	
	26-1	20:25	6.62	14.1	3286	111	14.9	0.59	1853 2129	204 ?	
	sl-1-9	20:48	6.31	14.7	1571	230	0.6	0.06	530 565	208 98	
	C 27-1	21:40	6.45	13.9	3864	144.7	9.3	0.29	1833.7 2027.8	204 ?	
	28-1	22:50	6.58	13.4	1479	39.4	3.4	0.26	2404 2628	204 ✓	
	29-1	23:33	6.44	13.0	2216	65.0	1.0	0.47	2492 2698	204 ✓	
	30-1	23:56	6.73	13.5	1499	42.3	16.3	1.3	2136 2690	204 ?	
	sl-1-10	00:17	6.39	15.2	1586	219	0	0.009	526 554	208 102	
	C 31-1	00:49	6.38	14.1	1253	46	1.1	0.10	1916 2070	204	
	32-1	01:12	6.74	13.1	895	47.3	3.4	0.51	1269 1861	204	
	33-1	1:45	6.80	13.9	2533	69.6	3.8	0.19	2103 2443	204	
	34-1	2:08	6.54	13.6	1680	42.1	1.3	0.09	2553 2681	204	
	sl-1-11	2:29	6.54	13.9	1551	216.6	0.3	0.08	525 578	208 96	
	A 16-1	2:56	6.45	14.3	1754	67.5	1.1	0.08	1758 1920	204	
	17-1	3:17	6.42	14.3	1389	39.2	1.3	0.11	2316 2519	204	

Rejection over-ride Sample/Std ID Time - printout UO/U 196 <cps 206 cps U ppm 204Pb ppb f206 % Age ±1σ (Ma) 206/238 207/206 Corr.

A	18-1	3.39	6.29	14.6	2152	72.8	0.3	0.018	2057	2243	204
	19-1	4.01	6.41	13.9	2583	76.2	0.5	0.02	2306	2480	204
	51-1-12	4.22	6.46	14.5	1607	223.3	0.3	0.04	528	570	208 95
A	20-1	4.44	7.89	11.2	1971	188	6.2	0.55	557	1899	204
	21-1	5.07	6.47	13.9	2253	89	1.4	0.07	1747	1877	204
	22-1	5.40	5.99	13.5	3496	187.6	0.8	0.02	1703	1881	204
	23-1	6.02	6.33	13.7	1376	65.5	1.8	0.15	1596	1861	204
	51-3-8	6.34	6.38	12.8	1358	229.3	0.5	0.05	513	585	208 95
A	24-1	7.06	6.30	15.1	2812	182	6.0	0.26	1122	1978	204
	25-1	7.31	6.33	14.1	2509	115	4.5	0.21	1604	1874	204
	26-1	7.54	6.41	13.4	1883	81	2.5	0.15	1719	1859	204
	27-1	8.17	6.15	13.6	916	46.8	0.6	0.07	1634	1882	204

1.90070
6.56891
0.230772
n = 5

STANDARD 1:
Z/U = 1.90070
UO/U = 6.56891
Pb/U = 0.230772
n = 5
± 2.46%

STANDARD 1: Z/U = 1.90070
UO/U = 6.56891
Pb/U = 0.230772
n = 5

STANDARD 2: Z/U = 1.92314
UO/U = 6.43914
Pb/U = 0.207731
n = 7
SD = ± 0.9471 (0.95)

A 141 n=17
B 141 n=17
C 246 n=5