

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 20/7/96
 UWA Mount No.: 96-22, 96-23
 Whose sample?: Barley/Burma
 Operator(s): McN + Apes

Indicate any change to the following:

	196	204	bkg	206	207	208	238	248	254
Precambrian	Count time (secs):	2	10	10	20	10	5	5	2
Phanerozoic*	Delay time (secs):	7	3	1	10	10*	3	2	2

expected 196-204 = 8.170 amu expected 204-bkg = 0.040 amu Dead-time = 32 nanosecs
 actual 196-204 = 8.166 actual 204-bkg = 0.040 expected resolution = >4200
 actual 206-207 = 1.000 actual 206-208 = 1.999 actual resolution = 5090
 Primary = 2.0 nA PESABM = 2.9 pA actual Primary : PESABM (= 50:1) = 69
 Raster time (mins): 2 Raster aperture (microns): 100 No. of scans: 6

Comments: 1° very spiky. → > than normal nos of rejections. - else ok.
 2min Raster.

see new killed results (6/99) Mstd = 18 % = 2.05 used this
 Actual = 208 % = 2.00

Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 cps (K)	206 cps	U ppm	204Pb ppb	f ₂₀₆ %	Age ±1σ (Ma) 206/238	207/206	Corr.	
	207	sl. 3-1	11:57	7.61	8.6	1257	220	-1.5	.05	572 ± 1	631 ± 34	208
	238, 248	sl. 3-2	12:15	7.55	9.0	1359	231	0.9	.02	578 ± 1	629 ± 32	208
	196, 206, 238, 254	B. 1-3	12:35	7.67	10.1	17.9	62.6	0.4	3.83	24 ± 1	—	208
	196, 206, 238, 254	sl. 3-3	12:53	7.79	10.4	1535	215	2.6	.03	559 ± 1	549 ± 31	208
	196	B. 1-4	13:11	7.49	10.8	14.9	53.8	1.2	6.95	22.4 ± 1	—	208
	206, 207, 208, 238, 248, 254	B. 4-3	13:30	7.69	10.8	1311	77.3	1.3	.13	1250 ± 5	1063 ± 36	204
	196, 206, 238, 248, 254	sl. 3-4	13:47	7.74	10.7	1574	214	0.6	.08	568 ± 1	564 ± 30	208
	196, 207, 238, 248	B. 2-3	14:07	7.53	10.7	70.5	121	2.1	3.02	49 ± 1	—	204
	206, 248, 254	B. 12-2	14:28	7.83	10.8	948.5	138	0.4	.40	511 ± 1	454 ± 58	208
	206, 238, 254	B. 13-2	14:46	7.58	10.7	111.7	218	-0.7	—	43 ± 1	618 ± 112	—
	196, 206, 238, 254	sl. 3-5	15:04	7.79	10.5	1574	215	0.1	.02	568 ± 1	510 ± 31	208

96-22

1st
 248 →

Rejection over-ride	Sample/Std ID	Time - printout	UO/U	196 cps (K)	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238	207/206	Corr.
196, 206, 207, 208	A.1-2	15:27	7.84	10.5	143	70	1.7	6.69	149 ± 1	—	208
238, 248, 254	A.2-2	15:46	8.27	10.5	1239	502	0.3	.04	169 ± 1	148 ± 79	204
207, 238, 254	A.2-3	16:03	7.60	11.1	395	749	1.6	.23	43 ± 1	—	208 ✓
206, 238, 254	sl.3b-1	16:20	8.04	10.9	1510	197	0.5	.05	528 ± 1	591 ± 31	208
196, 206, 254	sl.3b-2	16:37	7.58	11.0	1521	217	1.2	.05	562 ± 1	623 ± 30	208
206, 238, 248, 254	A.3-3	16:55	7.95	10.0	725	346	-0.8	.34	166 ± 1	114 ± 87	208
196, 206, 238, 248, 254	A.10-2	17:14	7.84	9.7	1576	773	0.4	.02	173 ± 1	199 ± 62	208
206, 208, 238, 254	A.9-2	17:38	7.99	10.1	245	109	ve	—	175 ± 0.2	437 ± 80	—
207, 206, 238, 248	sl.3b-3	17:58	7.83	10.5	1496	205	1.3	0.06	559 ± 1	623 ± 31	208
196, 206, 238, 248	A.7-2	18:18	7.48	11.1	404	648	ve	0.15	53 ± 0.1	171 ± 72	208
196, 254	A.11-2	18:39	7.42	10.2	136	71.4	9.0	7.08	166 ± 0.7	—	208
206, 238, 248, 254	sl.3b-4	19:00	7.68	10.7	1440	207	0.8	0.06	550 ± 1	519 ± 33	208
196, 206, 208	A14-2	19:20	7.68	10.5	996	478	ve	—	172 ± 0.1	212 ± 43	—
196, 206	A.18-2	19:39	7.78	8.4	494	658	4.1	1.23	75 ± 0.1	—	208
206, 238, 196, 248	sl.3b-5	19:58	7.76	10.1	1487	217	0	0.06	556 ± 1	651 ± 31	208
196, 206, 238, 254	A.21-2	20:22	7.38	10.4	243	142	4.2	2.24	156 ± 0.3	—	208
206, 207, 254	A.22-2	20:41	7.63	10.3	1571	805	ve	0.68	168 ± 0.2	—	208
196, 206, 238, 248	sl.3b-6	21:00	7.24	10.6	1374	229	1.2	0.12	561 ± 1.2	668 ± 32	208
196, 248, 254	A.22-3	21:22	7.97	10.6	469	1169	3.7	0.35	44 ± 0.1	—	208
196, 238, 248, 254	A.25-2	21:39	7.49	10.3	570	850	3.2	0.30	61 ± 0.1	111 ± 63	208
206, 248, 254, 238	sl.3b-7	21:56	7.67	10.5	1483	212	0.4	0.08	565 ± 1.2	620 ± 31	208
206, 238, 248	A.24-2	21:14	8.13	10.9	2514	993	1.0	0.09	174 ± 0.1	150 ± 29	208
196, 238, 248, 254	A.24-3	22:32	8.04	10.8	929	403	1.3	2.02	161 ± 0.4	—	208
196, 206, 238	sl.2-1	22:53	7.84	10.8	1617	216	1.3	0.04	555 ± 1	572 ± 30	208
206, 248	A.28-2	23:13	8.41	10.5	4173	1472	0.7	0.11	186 ± 0.1	177 ± 22	208

del 1st 238 →

1st 208 -2

overlap with 204

overlap with 204

1st 208

1st 208

1st 208 -2

del 1st 248 →

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.
196, 238, 248 <i>det 1st 238 →</i>	A.30-2	23:34	7.86	10.1	269	139	-ve	0.14	158 ± 0.4	76 ± 112	208
196, 207, 238	SL 2-2	23:57	8.51	7.5	1298	200	1.2	0.04	560 ± 1.4	522 ± 34	208
204, 206, 208, 238, 248, 254	A.26-2	24:16	6.82	8.6	656	882	11.3	1.69	105 ± 0.1	0	208
196, 248	A.28-3	24:33	8.18	8.9	763	827	-ve	0.15	77 ± 0.1	122 ± 53	208
206, 238, 248, 254	SL 2-3	24:54	6.55	8.2	835	255	1.1	0.14	531 ± 1.2	587 ± 42	208
196, 206, 208, 238, 248, 254	SL 2-4	1:09	6.74	9.3	1041	245	3.5	0.08	555 ± 1.2	593 ± 38	208
196, 204, 238	A.29-2	1:30	8.40	9.5	664	626	1.5	0.85	77 ± 0.1	0	208
196, 238	A 3-4	1:49	7.85	10.2	445	834	0.4	0.17	43 ± 0.1	156 ± 67	208
196, 238, 248, 254	SL 2-5	2:06	7.85	10.4	1535	213	0.	0.02	556 ± 1.2	562 ± 31	208
196, 206, 207, 238, 248	A.33-2	2:32	8.20	10.5	3376	1361	0	0.02	174 ± 0.1	322 ± 23	208
206, 238, 254	A.31-2	2:50	8.11	10.5	1447	621	2.5	0.05	167 ± 0.1	237 ± 37	208
196, 206, 238, 248, 254	SL 2-6	3:09	7.73	11.1	1632	213	1.7	0.07	575 ± 1.2	570 ± 30	208

196
over-ride
206

✓