

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 3/2/96 UWA Mount No. 96-3 Whose sample? D. ARNE Operator(s) Mc N + Marcus Dennis + Frank.

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	5	5	2
	Delay time (secs):	7	3	1	2	1	1	3	2	2
Phanerozoic	Count time (secs):	2	10	10	10	10	10	5	5	2
	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 = 8.161 actual 204-bkg = 0.040 expected resolution = >4200

Primary = 1.55 nA PESABM = 28 pA actual resolution = 4327

expected Primary : PESABM ≈ 50:1 actual Primary : PESABM = 55

Comments: B = Sample G542-10

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.

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.
Delete 1st 7.0	std 1-1	10:45	5.93	11.0	1187	220	2.7	.14	571 ± 1	493 ± 35	208
Restore all	std 1-2	11:04	5.89	10.8	1155	226	2.8	.04	566 ± 1	596 ± 33	208
delete 1st 2.0 actual 1st 206 Pb	B. 1-1	11:27	6.06	10.6	450	125	6.4	.72	371 ± 1	612 ± 67	208
Restore all	std 1-3	11:48	6.07	10.8	1208	211	0.5	.03	568 ± 1	550 ± 33	208
no deletions	B. 2-1	12:10	6.27	10.3	975	240	7.0	.53	385 ± 1	509 ± 48	208
no deletions	B. 3-1	12:30	6.02	10.7	320	90.3	7.7	1.80	364 ± 1	479 ± 87	208
Restore all	std 1-4	12:50	5.96	10.8	1181	220	0.4	.10	570 ± 1	579 ± 33	208
no deletions	B. 4-1	13:15	6.28	10.8	633	141	11.9	1.70	400 ± 1	586 ± 59	208
no deletions	B. 5-1	13:35	5.92	9.0	534	191	19.8	3.25	356 ± 1	648 ± 71	208
no deletions	B. 6-1	13:55	5.94	10.9	1413	429	137.2	8.38	327 ± 1	0	208
no deletions	B. 6-2	14:14	6.67	10.8	3.4K	617	80.3	3.58	403 ± 1	393 ± 32	208

T = 22.0

P dropped ~10%

\* Duo Y needed adjusting !!

Mount/sample No: 96-3 Date: 3/2/96 Page No: 2

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.

no deletions	std 1-5	14:34	6.11	10.6	1242	213	1.7	.01	582±1	574±32	208
no deletions	B. 7-1	15:02	6.20	10.8	1330	311	51.0	3.12	389±1	586±45	208
no deletions	B. 8-1	15:22	5.86	10.7	282	84.7	13.2	3.44	372±1	0	208
no deletions	B. 9-1	15:42	6.12	11.0	588	149	5.6	.59	379±1	497±60	208
no deletions	std 1-6	16:02	6.08	10.6	1201	212	2.0	.05	578±1	509±33	208
no deletions	B. 9-2	16:22	6.28	10.9	1070	249	5.0	.22	385±1	483±45	208
no deletions	B. 10-1	16:45	6.06	11.1	868	235	39.7	5.09	347±1	342±68	208
no deletions	B. 11-1	17:06	6.46	10.8	1875	404	7.0	0.17	382±1	500±30	208
no deletions	B. 12-1	17:28	5.85	11.0	469	129	48.2	6.9	378±1	0	208
no deletions	std 2-1	17:50	5.91	9.6	1031	222	1.9	0.13	565±1	551±36	208
no deletions	B. 13-1	18:16	6.22	10.9	455	114	9.3	1.9	361±1	538±71	208
no deletions	B. 14-1	18:38	6.02	10.8	1039	288	7.0	0.2	376±1	436±46	208
no deletions	B. 15-1	19:01	6.29	11.0	1221	281	3.4	3.48	383±1	0	208
no deletions	B. 14-2	19:22	5.99	12.1	1087	282	17.0	.97	360±1	539±44	208
delete 1st ThO	std 2-2	19:42	5.90	12.1	1324	222	2.6	.08	582±1	575±31	208
no deletions	B. 16-1	20:03	5.87	11.8	319	83	6.3	0.68	394±1	618±75	208
no deletions	B. 16-2	20:25	5.89	12.1	342	88	3.6	0.73	384±1	530±73	208
no deletions	B. 17-1	20:47	5.99	12.3	256	63	4.0	1.46	373±1	276±117	208
no deletions	B. 17-2	21:09	6.06	11.8	396	96	5.3	0.52	377±1	467±79	208
no deletions	std 2-3	21:32	5.91	12.1	1345	217	2.4	0.03	585±1	551±32	208
no deletions	B. 18-1	21:54	6.04	12.0	1341	332	6.6	0.47	371±1	404±39	208
no deletions	B. 19-1	22:15	5.96	11.1	4070	1139	17.1	0.32	371±0.2	348±22	208
no deletions	B. 20-1	22:42	4.25	31.4	861	317	8.8	0.49	443±0.5	406±48	208
no deletions	B. 21-1	23:06	6.17	11.7	773	177	10.4	1.14	381±0.5	505±53	208
no deletions	std 2-4	23:33	5.98	11.6	1288	213	2.0	0.17	585±0.9	469±70	208

1° stepped down ~5%

1° stepped down ~20% for last 2 scans \*

T = 22.0°C



Rejection over-ride	Sample/ Std ID	Time - printout	UO/U	196 cps <i>(6)</i>	206 cps	U ppm	204Pb ppb	f206 %	Age ±1σ (Ma) 206/238    207/206		Corr.
no deletions	B.22-1	00:58	6.45	10.9	398	87	49.5	16.4	317±1	629±148	208
no deletions	B.23-1	01:25	5.92	11.6	62	24.7	22.6	32.5	175±23	0	208
no deletions	B.24-1	01:49	6.21	10.7	466	117	12.9	2.8	365±1	526±79	208
no deletions	Std 2-5	2:12	6.20	11.5	1345	201	1.0	0.06	578±0.7	518±31	208
no deletions	B.25-1	2:34	6.41	11.0	528	113	15.7	2.76	378±0.7	601±71	208
core	B.26-1	Cancel - High common lead									
rim	B.26-2	Cancel High common lead									
no deletions	B.27-1	3:15	6.07	11.3	526	128	30.2	4.79	376±0.6	150±104	208
no deletions	B.28-1	3:36	6.03	11.4	408	102	9.7	2.27	381±0.7	584±78	208
no deletions	Std 2-6	3:59	6.18	11.1	1288	204	1.7	0.08	572±0.7	563±31	208
rim	B.29-1	4:23	6.25	11.4	390	89	8.5	2.26	370±0.7	0	208
core	B.29-2	4:44	6.48	10.9	323	68	8.6	2.70	374±1.0	613±95	208
rim	B.30-1	5:48 <sup>03</sup>	6.13	11.0	362	91	11.3	1.77	376±0.9	712±81	208
core	B.30-2	5:26	6.20	11.6	576	133	4.6	1.09	375±0.7	454±76	208
no deletions	Std 2-7	Cancel - Drop in current									
no deletions	Std 2-8	6:29	5.19	17.9	1093	206	5.1	0.26	561±0.6	625±33	208
no deletions	B.31-1	6:52	6.03	11.0	450	118	6.4	0.70	383±0.7	521±72	208