

UWA DATA LOG: SHRIMP ZIRCON U-Pb

Date: 23/8/99 UWA Mount No.: 99-22 Whose sample?: MD Operator(s): McN + MD

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 = 8.170 actual 204-bkg = 0.045 expected resolution = >4200

actual 206-207 = 1.000 actual 206-208 = 2.000 actual resolution = 4980

Primary = 3.9 nA EPXY = 2.8 PESABM = 4.2 pA actual Primary : PESABM (≈ 50:1) =

Raster time (mins): 1 Raster aperture (microns): 120 No. of scans: 5

Comments: D = R21255

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?
	sl.10-1	10:02	6.64	14.6	1720	220	1.1	.10	572 ± 1	583 ± 34	✓
	sl.11-1	10:24	6.95	14.7	1815	201	2.4	.22	573 ± 1	485 ± 40	✓
	D.1-1	10:40	6.61	14.7	507	68.7	0.6	.16	543 ± 2	385 ± 90	✓
	sl.12-1	10:55	6.56	15.4	1767	218	1.0	.09	582 ± 1	590 ± 38	✓
	D.2-1	11:10	6.94	14.6	959	103	0.4	.08	599 ± 2	603 ± 51	✓
	D.3-1	11:24	6.71	14.8	2423	153	0.5	.03	1063 ± 3	958 ± 24	✓
	D.4-1	11:37	6.67	14.7	1359	109	15.4	1.63	860 ± 3	986 ± 57	✓
	sl.12-2	11:51	6.84	14.7	1854	211	0.6	.05	586 ± 1	589 ± 30	✓
	D.5-1	12:05	6.63	14.5	591	58.8	6.5	1.58	722 ± 4	683 ± 122	✓
	D.6-1	12:19	7.02	14.07	3949	493.1	87.4	3.40	499 ± 2	556 ± 64	✓
	D.7-1	12:35	6.64	14.92	499	27.9	0.9	0.03	1216 ± 8	1159 ± 62	✓

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?
	8-1 11-1	13:02	6.83	14.47	3034	87	6.2	0.28	2091±8	1988±15	✓
	10-1	13:20	6.66	13.72	5966	178.5	0.4	0.009	2252±6	2241±10	✓
	sl. 13-1	13:36	6.95	14.03	1756	205.8	0.0	0.003	569±2	504±32	✓
	9-1	13:52	7.02	14.08	974.7	73.9	7.8	1.3	821±3	838±74	✓
	8-1	14:07	6.70	15.07	3151	377	11.6	0.57	578±1	541±35	✓
	12-1	14:25	7.25	13.30	1326	76.3	-	-	1042±4	989±30	✓
	13-1	14:51	7.15	13.16	1595	118.7	6.5	0.048	859±3	823±32	✓
	14-1	15:08	7.02	14.56	1086	124.5	0.4	0.065	544±2	534±48	✓
	15-1	15:28	6.61	14.75	1248	123.1	4.0	0.457	732±3	757±49	✓
	sl. 13-2	15:44	7.08	13.72	1793	191.7	-	-	601±2	558±31	✓
	16-1	16:00	6.39	12.89	86.3	14.4	1.2	1.54	549±8	510±407	✓
	17-1	16:16	7.01	13.53	1341	90.3	1.2	0.137	966±4	911±42	✓
	18-1	16:31	6.67	14.31	1349	34.1	1.2	0.103	2491±15	2743±16	✓
	19-1	16:46	6.62	14.6	499	62	7.9	0.11	584±4	545±156	✓
	20-1	17:04	6.90	13.8	1877	221	0.7	0.01	584±1	599±32	✓
	sl. 13-3	17:22	6.62	15.8	1784	210	0.3	0.02	580±1	533±38	✓
	21-1	17:41	6.75	14.4	4607	274	4.1	0.13	1137±2	1099±17	✓
	22-1	18:03	6.42	15.9	1238	795	7.1	0.83	473±1	440±70	✓
	23-1	18:18	6.82	14.4	591	65	0.5	0.14	620±2	530±58	✓
	sl. 13-4	18:35	6.51	16.06	1741	212	0.7	0.06	579±1	550±36	✓

Did not change number from 8-1. ∴ 12-1 appears as 8-1 (second reading)